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CANADA

GENERAL REVIEW OF THE MINING INDUSTRY

1956

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

Mineral Statistics Section



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GENERAL REVIEW OF THE MINING INDUSTRY
1956

Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

6502-525-125

Price 50 cents

Vol. 1—Part 1—A-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1958

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

GENERAL REVIEW OF THE MINING INDUSTRY

1956

Over two billion dollars worth of minerals were produced by the Canadian mining industry during 1956. The valuation of \$2,084,905,554 in 1956 was 16 per cent higher than the comparable figure of \$1,795,310,796 in 1955. It is of historical interest to note that the accumulated mineral production since 1886 amounted to 24 billion dollars. Half of this total has been produced in the last nine years, 1948 to 1956 inclusive. In grandfather's era it required 32 years, 1886-1917 to produce the equivalent value of the present annual production. As the industry grew the time required decreased to 10 years, 1918 to 1927, then to 8 years, 1928 to 1935, lessening to 5 years, 1936 to 1940, and so progressively less to 2 years, 1949 and 1950. The value per capita was \$129.65 in 1956; \$40.86 in 1946; \$25.61 in 1926; \$12.81 in 1906; and \$2.23 in 1886. In quoting these figures no adjustment has been made for the decreased purchasing value of the dollar.

The physical volume index, based on 1935-39=100, of the mineral production rose to 272.5 in 1956 from 242.0 in the preceding year. The tonnage of ore mined or rock quarried is an indicator of mining activities, such as drilling, blasting, hauling, processing etc. During 1956 this tonnage amounted to 150,398,104 as compared with 132,686,509 tons in 1955. Materials which were not actually mined or blasted such as sodium sulphate, sand, gravel and similar materials were not included in the total.

Metals were valued at \$1,148,349,595 in 1956 compared with \$1,007,839,501 in the preceding year, this was an increase of 13.9 per cent. There were some increases in the physical volume of some of the major metals, copper was up 8.8 per cent from 325,944 tons to 354,860 tons; iron ore increased 37.2 per cent from 16,283,177 tons to 22,348,278 tons; nickel rose 2.0 per cent from 174,428 tons to 178,515 tons; and silver was up 1.6 per cent from 27,984,204 troy ounces to 28,431,847 ounces. Declines were shown in gold, down 3.5 per cent from 4,541,962 troy ounces to 4,383,863 ounces; lead decreased 6.9 per cent from 202,763 tons to 188,854 tons and zinc was off 2.5 per cent from 433,357 tons to 422,636 tons. The value of uranium oxide shipments increased from \$26,031,604 to \$45,732,145 in 1956. Those metals which exceeded \$100 million in value were, copper \$292,958,091; gold, \$151,024,080; iron ore, \$160,362,118; nickel, \$222,204,860 and zinc, \$125,437,344. The combined value of these five commodities amounted to \$951,986,493 or 83 per cent of the total value of all the metals.

The total value of non-metallic minerals increased 9.0 per cent from the preceding year. There were 160,341,599 dollars worth of non-

metallics shipped in 1956 compared with \$144,920,841 in 1955. The shipments of asbestos exceeded one million tons and nearly reached 100 million dollars in value. There were new highs in tonnage and value of salt which were 1,590,804 and \$12,144,476 respectively. Gypsum producers were able to maintain the fairly high level of production. Barite output increased 26.4 per cent from 253,736 tons in 1955 to 320,835 tons in 1956. The value of fluorspar increased from \$2,708,437 to \$3,407,582 with a corresponding increase in quantity. More nepheline syenite was shipped in 1956 than in any of the preceding years. The commercial production of lithia began late in 1955, thus 1956 was the first full year of production. The shipments for the year under review were 4,789,360 pounds valued at \$2,643,950 compared with 114,376 pounds worth \$61,752 in 1955. The gross weight of the pyrite and pyrrhotite shipments was 1,046,740 short tons. The sulphur in acid and sulphur dioxide made from smelter gases amounted to 236,088 tons. The elemental sulphur recovered from sour natural gas was not included in these compilations.

Over half a billion dollars worth of mineral fuels were sold during 1956. The value of coal, natural gas and petroleum was \$518,761,191 an increase of 25.2 per cent from the valuation of \$414,318,015 in 1955. The coal output was about the same level as in 1955. The value of crude petroleum was \$406,561,872 compared with \$305,640,036 in the previous year. Natural gas increased from 150,772,312 thousand cubic feet to 169,152,586 thousand cubic feet. Not included in these figures is the gas which was wasted or placed in the field.

Structural materials increased in value to \$259,453,169 from \$228,232,439 an advance of 13.7 per cent. New cement plants helped to increase the shipments to 5,021,683 short tons from 4,404,480 tons. Clay products, which include brick, tile, sewer pipe, pottery, etc. made from domestic clays were valued at \$37,784,980, an increase of \$2.5 million. There was only a slight decline in the lime industry. Stone, sand and gravel used for highways, concrete aggregate buildings, etc. had a combined valuation of \$130,767,270 which was 19 million dollars higher than in 1955.

Newfoundland produced \$84,349,006 worth of minerals in 1956 compared with \$68,462,956 in 1955 an increase of 23.2 per cent. Most of the increase was due to increased tonnage of iron ore shipped from the Knob Lake area of Labrador. Base metal concentrates were exported for treatment from the mine at Buchans. Nearly all of Canada's fluorspar was mined in the St. Lawrence area of the province. Pyrophyllite, an aluminum silicate which has appearance and uses similar to talc, was mined at Manuels on Conception Bay. Cement and plaster

board plants used limestone and gypsum which were quarried on the island.

Nova Scotia's principal mineral product was coal which amounted to 5,775,025 tons valued at \$50,931,178. In October 1956, many miners lost their lives in a disaster at the Springhill colliery. A base metal mine operating in Richmond county closed due to lack of ore. Nearly 85 per cent of Canada's gypsum came from deposits in Nova Scotia. A large portion of the crude gypsum was exported to the United States. Barite is a heavy mineral used in drilling muds in the crude petroleum industry.

Development work and metallurgical research was done on the copper-lead-zinc and the manganese ores of New Brunswick. Bituminous coal mined in the province amounted to about a million tons. Production of tungsten was temporarily suspended pending the solution of some metallurgical problems.

The increase in the copper output in Quebec was partially due to the contribution of the mines in Chibougamau. Iron ore which was mined in Quebec and shipped from Sept Iles amounted to 7,956,549 short tons in 1956 compared with 4,103,173 tons in the preceding year. Lead and zinc production declined as some mines could not operate profitably at the current prices of these metals. About 8 million dollars worth of remelt iron and nearly 7.7 million dollars worth of titanium dioxide were made from the ilmenite ores which were mined at Lac Tio. Lithia concentrates from the Barraute district were exported for further processing. A large portion of the world's supply of asbestos is mined in that part of Quebec which lies south of the St. Lawrence river.

The metal production in Ontario was valued at \$521,311,425 an increase of 10.7 per cent. The greatest producing area was Sudbury, where the following mineral commodities are recoverable: copper, nickel, cobalt, platinum, palladium, rhodium, ruthenium, iridium, gold, silver, selenium, tellurium, sulphur dioxide, and iron oxide. Uranium precipitates were shipped from the Blind River and Bancroft areas. A large portion of the 6,626,447 troy ounces of silver produced, came from the Cobalt area. Two mines in eastern Ontario shipped 180 thousand tons of nepheline syenite Rock salt and salt from brine wells amounted to 1,347,729 short tons. New cement plants at Clarkson and Woodstock commenced operations during the later part of the year.

The value of Manitoba's metals was about 2 million dollars less than in 1955. Base metal mines were operated at Flin Flon on the Saskat-

chewan border and at Lynn Lake. In the southwest portion of the province the production of crude petroleum was 5,786,540 barrels in 1956 compared with 4,145,756 barrels in 1955. Increased capacity of the cement plant at Fort Whyte permitted shipments of 523,924 tons.

Crude petroleum shipments in Saskatchewan in 1956 were over 21 million barrels which was nearly twice that of the preceding year. Uranium precipitates from the Athabasca area were valued at \$27,194,202 compared with \$12,312,471 in 1955. Sodium sulphate was recovered from the lakes in the southern part of the province. A new cement plant began operating near Regina.

As in the past years most of Alberta's mineral production was in the form of crude petroleum which was valued at \$353,629,158 an increase of nearly 79 million dollars. A cement plant at Edmonton and a clinker grinding plant at Clover Bar started shipping cement.

In British Columbia the large smelter at Trail continued to produce many metals such as lead, zinc, silver, antimony, bismuth, cadmium, gold, and indium and to recover the sulphur dioxide from the smelter gases. High grade asbestos fibres were produced at Cassiar in northern British Columbia. Peat moss was harvested on Lulu Island in the Fraser delta. Petroleum and natural gas were produced near Fort St. John.

In the Northwest Territories the gold mines at Yellowknife produced about \$12 million worth of the yellow metal. Uranium from Great Bear Lake was valued at \$9,176,076. There was limited market for the oil and natural gas produced at Norman Wells. The United Keno Hill mines in the Yukon produced more silver in 1956 than any other mine in Canada. The placer mines in the Klondike produced most of the gold in the territory. Coal production at Carmacks was about 9 thousand tons.

The Canadian mineral industry employed an average of 142,560 persons to whom \$566,047,654 were paid as salaries and wages. In addition there were 9,248 persons employed at head offices and at places in Canada other than at the mines or plant, these employees received \$43,346,716 in salaries and wages. The cost of fuel and purchased electricity amounted to \$144,137,286.

The ten top mineral commodities in the order of total value were in 1956, petroleum, copper, nickel iron ore, gold, zinc, asbestos, coal, sand and cement.

TABLE 1. Mineral Production, by Kinds, 1955 and 1956

		1955		1956	
		Quantity	Value	Quantity	Value
			\$		\$
Metallics:					
Antimony	lb.	2,021,726	563,345	2,140,432	687,527
Bismuth	lb.	265,896	572,362	285,861	544,900
Cadmium	"	1,919,081	3,262,439	2,339,421	3,977,016
Calcium	"	...	1	394,900	515,305
Cerium, Rare Earths	"	...	988	—	—
Cobalt	lb.	3,318,637	8,563,700	3,516,670	9,065,483
Columbium (Cb_2O_5)	"	42	1,032	—	—
Copper	"	651,987,423	239,756,455	709,720,590	292,958,091
Gold	troy oz.	4,541,962	156,788,528	4,383,863	151,024,080
Indium	"	104,774	232,598	363,192	795,390
Iron ore	tons	16,283,177	110,435,850	22,348,278	160,362,118
Iron (remelt)	"	115,955	4,831,845	159,874	7,996,897
Lead	lb.	405,525,038	58,314,500	377,708,904	58,582,651
Magnesium ³	"	2	6,585,409	19,212,298	6,079,890
Manganese ore	"	—	—	—	1,900
Mercury	lb.	75	250	—	—
Molybdenite (MoS_2)	"	1,389,177	823,954	1,403,772	955,828
Nickel	"	349,856,997	215,866,007	357,030,311	222,204,860
Palladium, rhodium, iridium, etc.	troy oz.	214,252	8,321,633	163,451	6,681,098
Platinum	"	170,494	14,747,732	151,357	15,725,992
Selenium	lb.	427,109	3,203,319	330,389	4,460,282
Silver	troy oz.	27,984,204	24,676,472	28,431,847	25,497,681
Tantalum (Ta_2O_5)	lb.	390	9,760	—	—
Tellurium	"	9,014	15,774	7,867	13,767
Thallium	"	275	378	—	—
Tin	"	492,781	408,030	756,934	670,441
Titanium ore	tons	1,464	10,634	2,310	16,561
Tungsten (WO_3)	lb.	1,942,770	5,508,437	2,271,437	6,382,368
Uranium	"	...	26,031,604	4,561,060	45,732,145
Zinc	"	866,714,038	118,306,466	845,265,125	125,437,344
Total metallics	—	...	1,007,839,501	...	1,148,349,595
Non-metallics:					
Arsenious oxide	lb.	1,571,787	69,159	1,790,381	77,612
Asbestos	tons	1,063,802	96,191,317	1,014,249	99,859,969
Barite	"	253,736	2,277,166	320,835	3,031,034
Diatomite	"	16	352	—	40
Feldspar	"	18,152	355,879	18,153	364,849
Fluorspar	"	128,114	2,708,437	140,071	3,407,582
Graphite	"	—	—	—	—
Grindstones	"	10	1,500	—	—
Gypsum	"	4,667,901	8,037,153	4,895,811	7,260,236
Iron oxides	"	7,702	162,512	8,803	186,225
Lithia	"	114,376	61,752	4,789,360	2,643,950
Magnesitic dolomite and brucite	"	...	2,151,820	...	2,783,181
Mica	lb.	1,640,708	77,541	1,843,811	95,666
Mineral waters	gal.	306,683	160,510	292,526	149,867
Nepheline syenite	tons	146,068	2,099,512	180,006	2,574,140
Peat moss	"	117,579	3,485,287	128,054	4,240,714
Pyrite, pyrrhotite	tons	...	—	1,046,740	4,538,785
Quartz	"	1,869,913	2,039,575	2,142,234	3,036,543
Salt	"	1,244,761	10,122,299	1,590,804	12,144,476
Silica brick	M	4,763	602,625	5,799	736,817
Soapstone and talc	tons	27,160	338,967	29,326	365,226
Sodium sulphate	"	178,888	2,799,715	181,053	2,838,186
Sulphur in smelter gas ⁵	"	628,443	5,984,953	236,088	2,323,590
Titanium dioxide in slag	"	117,042	5,192,810	157,374	7,682,911
Total other non-metallics	—	...	144,920,841	...	160,341,599
Fuels:					
Coal	tons	14,818,880	93,579,471	14,915,610	95,349,763
Natural gas	M cu. ft.	150,772,312	15,098,508	169,152,586	16,849,556
Peat	tons	—	—	—	—
Petroleum	bbl.	129,440,247	305,640,036	171,981,413	406,561,872
Total fuels	—	...	414,318,015	...	518,761,191
Structural materials:					
Clay products (brick, tile, etc.)	—	...	35,259,770	...	37,784,980
Cement	bbl.	4,404,480	65,650,025	5,021,683	75,233,321
Lime	tons	1,331,118	15,810,904	1,295,699	15,667,598
Sand and gravel	"	127,524,474	67,775,053	148,801,268	81,957,352
Stone	"	30,512,920	43,736,687	33,257,318	48,809,918
Total structural materials	—	...	228,232,439	...	259,453,169
GRAND TOTAL	—	...	1,795,310,796	...	2,084,905,554

1. Included with magnesium in 1955.
 2. Data not available for publication.
 3. Includes calcium in 1955.
 4. Included in sulphur in 1955.
 5. Sulphur in pyrite included in 1955.

TABLE 2. Mineral Production of Canada, by Provinces, 1956

No.		Unit of measure	Newfoundland	Nova Scotia	New Brunswick	Quebec
Metals						
1	Antimony	lb.	—	—	—	—
2		\$	—	—	—	—
3	Bismuth	lb.	—	—	—	122,128
4		\$	—	—	—	230,213
5	Cadmium	lb.	—	—	—	—
6		\$	—	—	—	—
7	Calcium	lb.	—	—	—	—
8		\$	—	—	—	—
9	Cerium, Rare earths	lb.	—	—	—	—
10		\$	—	—	—	—
11	Cobalt	lb.	—	—	—	—
12		\$	—	—	—	—
13	Columbium (Cb_2O_5)	lb.	—	—	—	—
14		\$	—	—	—	—
15	Copper	lb.	6,216,552	808,268	12,732	244,599,468
16		\$	2,574,274	334,704	5,272	101,288,640
17	Gold	oz.	8,213	1,279	—	1,036,059
18		\$	282,938	44,061	—	35,692,233
19	Indium	oz.	—	—	—	—
20		\$	—	—	—	—
21	Iron ore	ton	8,463,572	—	—	7,956,549
22		\$	55,620,755	—	—	58,373,270
23	Iron (remelt)	ton	—	—	—	159,874
24		\$	—	—	—	7,996,897
25	Lead	lb.	45,575,841	1,421,799	949,090	5,745,615
26		\$	7,068,813	220,521	147,204	891,145
27	Magnesium	lb.	—	—	—	4,572,564
28		\$	—	—	—	1,536,688
29	Manganese	ton	—	—	—	—
30		\$	—	—	—	—
31	Molybdenum (MoS_2)	lb.	—	—	—	1,403,773
32		\$	—	—	—	955,626
33	Nickel	lb.	—	—	—	—
34		\$	—	—	—	—
35	Palladium, Iridium, etc.	oz.	—	—	—	—
36		\$	—	—	—	—
37	Platinum	oz.	—	—	—	—
38		\$	—	—	—	—
39	Selenium	lb.	—	—	—	117,555
40		\$	—	—	—	1,586,993
41	Silver	oz.	957,125	92,859	18,182	4,063,966
42		\$	858,350	83,276	16,306	3,644,565
43	Tantalum (Ta_2O_5)	lb.	—	—	—	—
44		\$	—	—	—	—
45	Tellurium	lb.	—	—	—	—
46		\$	—	—	—	—
47	Thallium	lb.	—	—	—	—
48		\$	—	—	—	—
49	Tin	lb.	—	—	—	—
50		\$	—	—	—	—
51	Titanium ore	ton	—	—	—	2,310
52		\$	—	—	—	16,561
53	Tungsten (WO_3)	lb.	—	—	6,662	—
54		\$	—	—	10,992	—
55	Uranium (U_3O_8)	lb.	—	—	—	—
56		\$	—	—	—	—
57	Zinc	lb.	69,360,211	4,176,823	1,061,054	171,945,511
58		\$	10,293,055	619,841	157,460	25,516,714
59	Total metals	\$	76,698,185	1,302,403	337,234	237,729,747
Non-metallics						
60	Arsenious oxide	lb.	—	—	—	—
61		\$	—	—	—	—
62	Asbestos	ton	—	—	—	967,145
63		\$	—	—	—	90,531,457
64	Barite	ton	—	306,431	—	—
65		\$	—	2,743,408	—	—
66	Diatomite	ton	—	—	—	—
67		\$	—	—	—	—
68	Feldspar	ton	—	—	—	18,153
69		\$	—	—	—	364,349

GENERAL REVIEW OF THE MINING INDUSTRY

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TABLE 2. Mineral Production of Canada, by Provinces, 1956

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
—	—	—	—	2,140,432 687,527	—	—	2,140,432 687,527	1
6,980	—	—	—	156,753	—	—	285,861	2
10,586	—	—	—	304,101	—	—	544,900	3
—	40,026	116,960	—	1,937,807	—	244,628	2,339,421	5
—	68,044	198,832	—	3,294,272	—	415,868	3,977,016	6
394,900	—	—	—	—	—	—	394,900	7
515,305	—	—	—	—	—	—	515,305	8
—	—	—	—	—	—	—	—	9
—	—	—	—	—	—	—	—	10
3,392,543	124,127	—	—	—	—	—	3,516,670	11
8,781,626	283,867	—	—	—	—	—	9,065,493	12
—	—	—	—	—	—	—	—	13
—	—	—	—	—	—	—	—	14
312,541,701	35,945,427	66,232,560	—	43,363,882	—	—	709,720,590	15
128,552,450	14,890,139	27,426,903	—	17,885,709	—	—	292,958,091	16
2,513,912	120,232	82,687	119	196,692	352,669	72,001	4,383,863	17
86,604,268	4,141,992	2,348,567	4,100	6,776,040	12,149,447	2,480,434	151,024,080	18
—	—	—	—	363,192	—	—	363,192	19
—	—	—	—	795,390	—	—	795,390	20
5,558,203	—	—	—	369,954	—	—	22,348,278	21
44,177,246	—	—	—	2,190,847	—	—	160,362,118	22
—	—	—	—	—	—	—	159,874	23
—	—	—	—	—	—	—	7,996,897	24
3,010,163	—	—	—	295,402,176	—	25,604,220	377,708,904	25
466,876	—	—	—	45,816,877	—	3,971,215	58,582,651	26
14,639,734	—	—	—	—	—	—	19,212,288	27
4,543,202	—	—	—	—	—	—	6,079,890	28
—	—	—	—	1,900	—	—	—	29
—	—	—	—	—	—	—	1,900	30
—	—	—	—	—	—	—	1,403,772	31
—	—	—	—	—	—	—	955,828	32
335,152,371	21,977,940	—	—	—	—	—	357,030,311	33
202,099,454	14,105,406	—	—	—	—	—	222,204,860	34
163,451	—	—	—	—	—	—	163,451	35
6,681,098	—	—	—	—	—	—	6,681,098	36
151,357	—	—	—	—	—	—	151,357	37
15,725,992	—	—	—	—	—	—	15,725,992	38
109,156	41,921	61,757	—	—	—	—	330,389	39
1,473,608	565,934	833,719	—	—	—	—	4,460,252	40
6,626,447	430,124	1,179,110	14	8,801,398	69,916	6,192,706	28,431,847	41
5,942,597	385,735	1,057,426	12	7,893,094	62,701	5,553,619	25,497,681	42
—	—	—	—	—	—	—	—	43
—	—	—	—	—	—	—	—	44
6,305	530	982	—	—	—	—	7,867	45
11,034	1,015	1,718	—	—	—	—	13,767	46
—	—	—	—	—	—	—	—	47
—	—	—	—	—	—	—	—	48
—	—	—	—	756,934	—	—	756,934	49
—	—	—	—	670,441	—	—	670,441	50
—	—	—	—	—	—	—	2,310	51
—	—	—	—	—	—	—	16,561	52
—	—	—	—	2,264,775	—	—	2,271,437	53
—	—	—	—	6,351,376	—	—	6,362,368	54
906,614	—	2,780,534	—	—	873,912	—	4,561,060	55
9,361,867	—	27,194,202	—	—	9,176,076	—	45,732,145	56
2,454,297	35,808,410	90,759,887	—	448,646,414	—	21,052,518	845,265,125	57
364,218	—	5,313,968	13,468,767	66,579,127	—	3,124,194	125,437,344	58
521,311,423	39,756,100	73,030,134	4,112	159,246,701	21,388,224	15,545,330	1,146,349,598	59
1,790,381	—	—	—	—	—	—	1,790,381	60
77,612	—	—	—	—	—	—	77,612	61
26,748	—	—	—	20,356	—	—	1,014,249	62
3,229,782	—	—	—	5,398,730	—	—	99,859,969	63
—	—	—	—	12,404	—	—	320,835	64
—	—	—	—	287,626	—	—	3,031,034	65
—	—	—	—	2	—	—	2	66
—	—	—	—	40	—	—	40	67
—	—	—	—	—	—	—	18,153	68
—	—	—	—	—	—	—	364,849	69

TABLE 2. Mineral Production of Canada, by Provinces, 1956 — Concluded

No.		Unit of measure	Newfoundland	Nova Scotia	New Brunswick	Quebec
Non-metallics — Concluded						
1	Fluorspar	ton \$	139,801 3,395,061	—	—	—
2	Graphite	ton \$	—	—	—	—
3	Gypsum	ton \$	37,000 186,727	4,144,147 5,250,883	86,104 224,038	—
7	Iron oxide	ton \$	—	—	—	8,803
8	Lithia	lb. \$	—	—	—	186,225
9	Magnesitic dolomite and brucite	ton \$	—	—	—	4,789,360
10	Mica	lb. \$	—	—	—	2,643,950
11	Mineral water	gal. \$	—	—	—	—
12	Nepheline syenite	ton \$	—	—	—	2,783,181
13	Peat, moss	ton \$	—	1,141 41,930	13,421 520,224	40,268 951,644
19	Pyrite, pyrrhotite	ton \$	—	—	—	—
21	Quartz	ton \$	59,097	—	—	2,843,839
23	Salt	ton \$	—	—	—	320,955
25	Silica brick	M \$	—	1,556 352,169	—	1,243,465
27	Soapstone and talc ¹	ton \$	—	1,379 12,077	—	15,975 185,298
30	Sodium sulphate	ton \$	—	—	—	—
31	Sulphur in smelter gas	ton \$	—	—	—	—
34	Titanium dioxide	ton \$	—	—	—	141,990
35	Total non-metallics	\$	3,652,962	10,041,229	744,262	109,800,737
Fuels						
38	Coal	ton \$	—	5,775,025 50,931,178	988,266 7,990,446	—
40	Natural gas	M cu. ft. \$	—	—	190,322 141,315	—
42	Peat	ton \$	—	—	—	—
44	Petroleum, crude	bbl. \$	—	—	16,628 23,279	—
46	Total fuels	\$	—	50,931,178	8,155,040	—
Structural materials						
47	Clay products	\$	47,145	1,196,868	975,855	9,415,703
48	Cement	ton \$	83,902	—	165,482	1,797,128
49	Lime	\$	1,660,300	—	2,439,676	25,696,957
50	Sand and gravel	ton \$	—	—	18,432	452,779
51	Stone	\$	—	—	408,338	4,506,430
52	Total structural materials	\$	2,490,580 1,686,320	1,675,458 1,664,949	6,140,029 3,152,911	37,175,708 16,354,886
54	GRAND TOTAL, 1956	\$	327,943	408,952	2,129,109	11,153,206
55	GRAND TOTAL, 1955	\$	604,094	955,647	2,044,986	18,959,950
56			3,997,859	3,817,464	9,021,766	74,933,926
57			84,349,006	66,092,274	18,258,302	422,464,410
58			68,462,956	67,133,539	15,759,744	357,010,045

1. Includes pyrophyllite.

TABLE 2. Mineral Production of Canada, by Provinces, 1956 — Concluded

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon	Canada	No.
270 12,521	—	—	—	—	—	—	140,071 3,407,582	1 2
—	—	—	—	—	—	—	—	3 4
366,956 840,829	185,996 365,340	—	—	75,618 391,919	—	—	4,895,811 7,260,236	5 6
—	—	—	—	—	—	—	8,803 186,225	7 8
—	—	—	—	—	—	—	4,789,360 2,643,950	9 10
—	—	—	—	—	—	—	2,783,181	11 12
46,535 645	—	—	—	180,000 1,260	—	—	1,843,811 95,666	13 14
2,000 1,700	—	—	—	—	—	—	292,526 149,367	15 16
180,006 2,574,140	—	—	—	—	—	—	180,006 2,574,140	17 18
3,267 97,091	6,145 236,254	—	—	63,812 2,393,571	—	—	128,054 4,240,714	19 20
759,449	—	—	—	976,400	—	—	1,046,740 4,538,785	21 22
1,571,819 1,413,192	2,580 9,030	183,563 91,782	—	63,317 279,074	—	—	2,142,234 3,036,543	23 24
1,347,729 7,932,294	21,068 513,373	42,814 882,988	46,654 1,162,982	—	—	—	1,590,804 12,144,476	25 26
6,243 364,648	—	—	—	—	—	—	5,799 736,917	27 28
12,371 437,851	—	—	—	—	—	—	29,326 365,226	29 30
—	—	181,053 2,838,186	—	—	—	—	191,053 2,838,186	31 32
534,810	—	—	—	1,646,790	—	—	236,088 2,323,590	33 34
—	—	—	—	—	—	—	157,374 7,682,911	35 36
18,726,564	1,124,497	3,812,956	1,162,982	11,275,410	—	—	160,341,599	37
—	—	2,341,641 4,320,167	4,328,787 23,274,012	1,472,519 8,722,856	—	9,372 111,104	14,915,610 95,349,763	38 39
12,811,618 4,740,298	—	9,307,697 980,770	146,133,893 10,960,042	187,846 20,193	21,210 6,938	—	169,152,536 16,849,556	40 41
—	—	—	—	—	—	—	—	42 43
593,370 1,958,121	5,786,540 13,633,088	21,077,371 36,253,078	143,909,641 353,629,158	148,454 302,375	449,409 762,773	—	171,981,413 406,561,872	44 45
6,698,419	13,633,088	41,554,015	387,863,212	9,045,424	769,711	111,104	518,761,191	46
19,173,336	754,503	1,054,071	3,038,544	2,128,955	—	—	37,784,980	47
1,450,437	523,924	2,509	602,163	396,138	—	—	5,021,683	48
21,455,019	8,324,520	59,762	9,258,016	6,339,071	—	—	75,233,321	49
673,357	64,286	—	41,309	45,536	—	—	1,295,699	50
8,258,857	1,066,704	—	624,060	803,209	—	—	15,667,598	51
61,436,363	6,883,026	6,466,810	10,522,441	16,010,853	—	—	148,801,268	52
34,379,015	2,293,287	3,233,760	8,877,806	10,314,418	—	—	81,957,352	53
15,734,664	262,557	—	66,820	3,174,067	—	—	33,257,318	54
20,320,727	956,708	—	343,166	4,124,640	—	—	48,809,918	55
104,086,954	13,396,722	4,347,593	22,141,592	23,710,293	—	—	259,453,169	56
650,823,362	67,909,407	122,744,698	411,171,898	203,277,828	22,157,935	15,656,434	2,084,905,554	57
583,954,682	62,018,231	85,150,128	325,974,326	189,524,574	25,597,821	14,724,750	1,785,310,796	58

1. Includes pyrophyllite.

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	1,253,803	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	6,158,283	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	8,445,747	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	22.05
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	50,428,979	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	20.55
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	19,286,761	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	33,878,656	442,868,695	39.42
1939	343,453,866	25,114,106	70,671,328	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	580,241,290	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	308,111,295	37,431,875	97,291,007	42,984,937	485,819,114	40.57
1945	316,952,810	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	395,140,994	54,670,989	110,481,207	84,576,785	644,869,975	51.25
1948	488,287,835	67,097,524	159,736,260	105,127,246	820,248,855	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	745,877,561	115,418,150	232,854,093	151,333,791	1,245,483,595	88.90
1952	728,458,160	124,493,256	263,582,319	168,808,618	1,285,342,353	89.07
1953	709,920,510	124,999,607	314,181,168	187,202,218	1,336,303,503	90.40
1954	802,401,423	128,038,507	352,959,465	204,982,696	1,488,382,091	96.59
1955	1,007,839,501	144,920,841	414,318,015	228,232,439	1,795,310,796	113.68
1956	1,146,349,595	160,341,599	518,761,191	259,453,169	2,084,905,554	129.65

Notes: In representing 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
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
1933	60.7	1944	104.1	1955	242.0
				1956	272.5

TABLE 5. Value of Mineral Production, by Provinces, Since 1935

Year	Newfoundland	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba
	\$	\$	\$	\$	\$	\$
1936	—	26,672,278	2,587,691	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	17,825,522
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	—	29,979,337	3,676,834	101,610,676	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	152,038,367	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	11,663,613	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
1955	68,462,956	67,133,539	15,759,744	357,010,045	583,954,632	62,018,231
1956	84,349,006	66,092,274	18,258,302	422,464,410	650,823,362	67,909,407
Saskatchewan	Alberta	British Columbia	Northwest Territories ¹	Yukon		
\$	\$	\$	\$	\$	\$	
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	994,513	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	163,144,211	176,278,932	8,208,747	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	
1955	85,150,123	325,974,326	189,524,574	25,597,821	14,724,750	
1956	122,744,698	411,171,898	203,277,828	22,157,935	15,656,434	

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

TABLE 6. Mineral Production of Newfoundland, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper	lb.	6,961,165	2,029,876	6,103,516	2,250,672	6,216,552
Gold	troy oz.	6,528	222,409	6,337	218,753	8,213
Iron ore	short tons	3,758,526	21,749,304	7,206,883	45,701,801	8,463,572
Lead	lb.	37,052,168	4,939,054	35,709,911	5,135,085	45,375,841
Silver	troy oz.	742,120	617,867	701,792	618,840	957,125
Zinc	lb.	60,004,968	7,188,595	57,272,050	7,817,635	69,360,211
Non-metallics:						
Fluorspar	tons	118,065	2,946,896	127,384	2,678,641	139,801
Gypsum	tons	26,653	124,385	46,459	175,829	37,000
Talc (Pyrophyllite)	tons	9	230	7	120	1,379
Pyrite	—	—	—	—	66,613	—
Structural materials:						
Cement	tons	70,615	1,330,018	81,905	1,492,990	83,902
Clay products	—	—	33,042	—	49,338	—
Lime	tons	—	—	—	—	—
Sand and gravel	tons	2,105,522	1,096,883	3,142,226	1,660,984	2,490,580
Stone	tons	359,350	619,474	333,982	595,655	327,943
Total	—	—	42,898,033	—	68,462,956	—
					64,349,006	

TABLE 7. Mineral Production of Nova Scotia, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper	lb.	1,981,713	577,868	2,054,938	757,758	808,268
Gold	troy oz.	3,754	127,899	3,880	133,938	1,279
Lead	lb.	4,186,143	558,013	3,979,230	572,213	1,421,799
Silver	troy oz.	262,361	218,434	262,067	231,091	92,859
Zinc	lb.	16,985,060	2,034,810	16,036,317	2,188,957	4,176,823
Non-metallics:						
Barite	tons	216,416	1,888,459	244,271	2,038,341	308,431
Diatomite	—	4	192	2	—	—
Gypsum	"	3,168,134	5,235,581	3,838,847	6,061,922	4,144,147
Peat moss	"	118	1,675	587	7,903	1,141
Salt	"	150,589	1,838,559	144,862	1,808,302	132,539
Silica brick	M	1,208	244,040	1,265	289,369	1,559
Fuels:						
Coal	tons	5,842,896	51,938,299	5,731,026	49,852,554	5,775,025
Structural materials:						
Clay products	—	—	1,082,039	—	1,196,968	—
Sand and gravel	tons	1,330,979	1,297,693	1,156,710	1,148,245	1,675,458
Stone	"	9,757,607	6,407,337	367,320	845,906	408,952
Total	—	—	73,450,898	—	67,133,539	—
					66,092,274	

TABLE 8. Mineral Production of New Brunswick, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Copper	lb.	—	—	71,295	26,290	12,732
Lead	lb.	—	—	1,532,706	220,403	949,090
Silver	troy oz.	—	—	25,087	22,122	18,182
Tungsten (WO_3)	lb.	—	—	28,770	47,470	6,662
Zinc	lb.	—	—	—	—	1,061,054
Non-metallics:						
Grindstones	tons	—	—	10	1,500	—
Gypsum	"	88,856	217,697	90,096	315,336	86,104
Peat moss	"	9,888	217,421	8,743	234,599	13,421
Fuels:						
Coal	tons	781,271	6,187,622	877,838	7,100,649	988,266
Natural gas	M cu. ft.	183,457	136,405	186,549	138,450	190,322
Petroleum	bbl.	13,046	18,265	12,548	17,567	16,628
Structural materials:						
Cement	tons	149,592	2,181,854	152,715	2,306,065	165,482
Clay products	—	—	587,994	—	704,025	—
Lime	tons	22,533	439,161	18,861	385,979	18,432
Sand and gravel	"	3,528,318	1,832,299	5,731,835	2,942,830	6,140,029
Stone	"	720,792	649,604	1,075,230	1,296,459	2,129,109
Total	—	—	12,468,322	—	15,759,744	—
					18,258,302	

TABLE 9. Mineral Production of Quebec¹, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Bismuth	lb.	33,324	65,143	105,129	210,636	122,128
Copper	"	167,860,775	48,948,202	202,041,072	74,502,645	244,599,468
Gold	troy oz.	1,098,570	37,428,280	1,154,522	39,854,099	1,036,059
Iron ingots (remelt)	tons	90,562	2,910,663	115,955	4,831,845	159,874
Iron ore	"	650,415	3,818,309	4,103,173	27,164,396	7,956,549
Lead	lb.	15,635,942	2,084,271	11,216,005	1,612,862	5,745,615
Magnesium	"	8,298,784	2,485,117	6,547,665	1,916,829	4,572,564
Molybdenite (MoS ₂)	"	752,417	457,912	1,389,177	823,954	1,403,772
Selenium	"	135,051	675,255	236,767	1,775,753	117,555
Silver	troy oz.	4,907,304	4,085,674	4,786,695	4,220,908	4,063,966
Tellurium	lb.	530	928	—	—	—
Titanium ore	tons	1,541	9,462	1,464	10,634	2,310
Zinc	lb.	214,002,774	25,637,532	202,862,034	27,690,668	171,945,511
Non-metallics:						
Arsenic (As ₂ O ₃)	—	—	—	—	—	—
Asbestos	tons	894,129	79,906,506	1,022,065	88,607,804	967,145
Feldspar	"	14,305	278,997	18,152	355,879	18,153
Graphite	"	11	1,093	—	—	—
Iron oxides (ochre)	"	5,798	183,507	7,702	162,512	8,803
Lithia	lb.	—	—	106,320	58,480	4,789,360
Magnesitic dolomite and brucite	—	...	1,909,163	...	2,151,820	2,643,950
Mica	tons	652	78,351	548	73,734	809
Natural mineral waters	Imp. gal.	282,078	147,307	303,110	158,495	290,526
Peat moss	tons	27,784	730,250	32,383	638,696	40,268
Pyrite .....	—	...	...	...	...	2,843,839
Quartz	tons	83,507	234,007	244,702	791,606	320,955
Soapstone and talc	"	14,437	165,472	12,562	143,895	15,576
Sulphur	"	...	1,854,489	...	2,550,557	141,990
Titanium dioxide	"	88,408	3,841,270	117,042	5,192,810	157,374
Structural materials:						
Cement	tons	1,319,741	19,106,680	1,662,084	24,132,519	1,797,128
Clay products	—	...	8,055,692	...	8,451,362	9,415,703
Lime	tons	445,892	4,371,797	461,805	4,448,525	452,779
Sand and gravel	"	30,052,887	12,985,931	36,722,008	15,346,416	37,175,708
Stone	"	10,111,361	16,358,810	12,633,335	19,129,706	11,153,206
Total	—	...	278,818,070	...	357,010,045	422,464,410

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

TABLE 10. Mineral Production of Ontario, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Bismuth	lb.	—	—	—	—	6,980
Cerium, Rare Earth	—	—	—	—	988	10,586
Calcium	—	...	—	—	—	—
Cobalt ²	lb.	2,252,965	5,912,997	3,296,270	8,510,314	3,392,543
Copper	"	281,552,361	81,343,536	292,813,108	107,215,943	312,541,701
Gold	troy oz.	2,361,385	80,452,387	2,523,040	87,095,340	2,513,912
Iron ore	short tons	2,416,911	20,365,003	4,362,191	34,340,897	5,558,203
Lead	lb.	2,815,611	375,321	3,853,603	554,148	3,010,163
Magnesium	—	...	4,101,642	...	4,668,580	14,639,734
Nickel	lb.	316,019,050	176,556,296	322,322,355	198,489,258	335,152,371
Palladium, rhodium, etc.	troy oz.	189,350	7,956,087	214,252	8,321,633	163,451
Platinum	"	154,356	12,950,469	170,494	14,747,732	151,357
Selenium	lb.	94,826	474,130	94,465	708,488	109,156
Silver	troy oz.	5,443,721	4,532,278	6,051,017	5,335,787	6,626,447
Tellurium	lb.	7,195	12,591	6,455	11,296	6,305
Tungsten concentrates (WO ₃)	lb.	—	—	—	—	—
Uranium (UO ₃)	lb.	—	—	—	487,054	906,614
Zinc	lb.	1,420,048	170,122	3,095,640	422,555	2,454,297

1. Included with magnesium.

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

TABLE 10. Mineral Production of Ontario, 1954-1956 - Concluded

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Non-metallics:						
Arsenic (As ₂ O ₃)	lb.	1,180,350	43,333	1,571,787	69,159	1,790,381
Asbestos	tons	21,389	3,581,955	24,550	3,317,542	26,748
Diatomite (earth)	"	-	-	-	-	-
Feldspar	"	1,791	22,052	-	-	-
Fluorspar	"	904	40,130	730	29,796	270
Graphite	"	2,452	253,441	-	-	-
Gypsum	"	357,432	822,094	366,416	808,424	366,956
Mica	"	69	4,195	21	946	23
Natural mineral waters	Imp. gal.	2,000	750	3,573	2,015	2,000
Nepheline syenite	tons	123,659	1,770,528	146,068	2,099,512	180,006
Peat (moss)	"	640	19,809	4,284	123,862	3,267
Pyrite, pyrrhotite	"	-	-	-	-	-
Quartz ¹	"	1,476,745	1,270,731	1,421,302	1,032,938	1,571,819
Salt	"	733,066	4,440,418	998,789	5,845,340	1,347,729
Silica brick	ft.	2,370	221,117	3,498	313,256	4,243
Sulphur ²	"	-	495,980	-	571,000	-
Talc	tons	13,697	169,651	14,591	194,952	12,371
Fuels:						
Natural gas	M cu. ft.	10,015,818	4,006,327	10,852,857	4,341,143	12,811,618
Peat (fuel)	"	6	60	-	-	-
Petroleum	bbl.	412,474	1,391,687	525,510	1,599,335	593,370
Structural materials:						
Cement	tons	1,251,411	18,958,173	1,341,276	19,707,042	1,450,437
Clay products	"	17,230,231	-	-	18,314,320	-
Lime	tons	610,591	7,680,739	698,245	8,420,382	673,357
Sand and gravel	"	46,433,191	26,577,612	51,488,067	29,945,730	61,436,363
Stone	"	10,141,156	12,538,599	12,739,139	16,307,975	15,734,664
Total	-	...	496,747,571	...	583,954,682	...
						650,823,362

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

2. Sulphur content of pyrites snipped and estimated sulphur salvaged from smelter gases in 1954 and 1955. Sulphur in smelter gas in 1956.

3. Includes some arsenic recovered from foreign ores.

TABLE 11. Mineral Production of Manitoba, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Metallics:						
Cadmium	lb.	32,352	54,998	47,347	80,490	40,026
Cobalt	"	-	-	16,330	37,267	124,127
Copper	"	24,548,759	7,161,925	38,759,042	14,438,505	35,945,427
Gold	troy oz.	134,944	4,597,542	123,888	4,276,614	120,232
Nickel	lb.	6,538,911	3,617,096	27,534,642	17,376,749	21,877,940
Selenium	"	15,481	77,405	27,219	204,143	41,921
Silver	troy oz.	411,125	342,290	454,528	400,803	430,124
Tellurium	lb.	74	130	727	1,272	580
Thallium	"	-	-	75	103	-
Zinc	"	32,506,063	3,894,226	35,932,049	4,904,725	35,808,410
Non-metallics						
Gypsum	tons	162,037	273,180	176,005	291,708	185,986
Peat moss	"	3,494	146,477	6,146	190,381	6,145
Quartz	"	-	-	-	-	2,580
Salt	tons	17,809	439,154	18,954	477,614	21,068
Fuels:						
Petroleum, crude	bbl.	2,148,184	5,619,649	4,145,756	9,618,154	5,786,540
Structural materials:						
Cement	tons	285,843	4,760,539	340,234	5,509,812	523,924
Clay products	"	-	512,939	-	635,554	754,503
Lime	tons	52,178	821,903	57,510	886,901	64,286
Sand and gravel	"	4,831,716	2,084,367	5,272,676	1,571,103	6,883,026
Stone	"	207,556	703,052	228,157	1,115,333	262,557
Total	-	...	35,106,922	...	62,018,231	...
						67,909,407

TABLE 12. Mineral Production of Saskatchewan, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium	lb.	122,244	207,815	144,344	245,385	116,960
Copper	"	72,383,656	21,107,074	65,890,339	24,297,063	66,232,560
Gold	troy oz.	101,785	3,467,815	83,580	2,885,182	82,687
Selenium	lb.	78,171	390,855	68,658	514,935	61,757
Silver	troy oz.	1,414,370	1,227,516	1,230,179	1,084,772	1,179,110
Tellurium	lb.	372	651	1,832	3,206	982
Thallium	"	—	—	200	275	—
Uranium (U_3O_8)	"	...	10,981,417	...	12,312,471	2,780,534
Zinc	"	101,339,521	12,140,475	97,920,646	13,366,168	90,759,887
Non-metallics:						
Quartz ¹	lb.	155,899	70,155	175,640	87,820	183,563
Salt	"	37,227	899,849	40,748	976,298	42,814
Sodium sulphate	tons	158,417	2,385,573	178,888	2,799,715	181,053
Fuels:						
Coal	tons	2,116,740	3,961,702	2,293,816	4,309,163	2,341,641
Natural gas	M cu. ft.	3,333,077	291,644	6,706,743	637,140	9,807,697
Petroleum, crude	bbl.	5,422,899	8,183,304	11,317,168	18,317,968	21,077,371
Structural materials:						
Cement	tons	—	—	—	—	2,509
Clay products	—	...	844,398	...	992,307	...
Sand and gravel	tons	5,211,429	2,055,766	5,039,682	2,320,260	6,466,810
Total	—	...	68,216,009	...	85,150,128	...
						122,744,698

i. Low-grade silica sand for fluxing purposes.

TABLE 13. Mineral Production of Alberta, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Gold	troy oz.	195	6,644	214	7,387	119
Silver	"	18	15	21	18	14
Non-metallics:						
Quartz ¹	—	—	—	—	—	—
Salt	tons	31,196	722,183	41,408	1,014,745	46,654
Fuels:						
Coal	"	4,859,049	26,382,603	4,455,279	23,559,584	4,328,787
Natural gas	M cu. ft.	107,173,777	8,038,033	133,007,493	9,975,562	146,133,893
Petroleum	bbl.	87,713,855	228,319,165	113,035,046	274,901,232	143,909,641
Structural materials:						
Cement	tons	534,240	7,761,082	492,209	7,026,722	602,163
Clay products	—	...	2,316,982	...	2,800,481	...
Lime	tons	32,599	493,303	38,335	553,526	41,309
Sand and gravel	"	7,313,380	4,867,410	7,819,933	5,894,341	10,522,441
Stone	"	27,017	135,315	45,659	240,728	66,820
Total	—	...	279,042,735	...	325,974,326	...
						411,171,898

1. Grinding pebbles.

TABLE 14. Mineral Production of British Columbia, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity ¹	Value
Metallics:		\$		\$		\$
Antimony	lb.	1,302,333	349,249	2,021,726	563,345	2,140,432
Bismuth	"	225,351	507,040	160,767	361,726	156,753
Cadmium	"	679,331	1,154,863	1,515,582	2,576,490	1,937,807
Copper	"	50,175,613	14,544,212	44,254,113	16,130,918	43,363,882
Gold	troy oz.	268,508	9,148,068	252,979	8,732,835	196,692
Indium	"	477	1,278	104,774	232,598	363,192
Iron ore	tons	535,746	3,733,891	610,930	3,228,756	369,954
Lead.....	lb.	343,535,334	45,793,259	322,984,797	46,445,214	295,402,176
Manganese ore		-	-	-	-	1,900
Mercury	"	-	-	75	250	-
Platinum	-	-	-	-	-	-
Silver	troy oz.	10,825,614	9,013,082	8,702,122	7,673,531	8,801,398
Tin ¹	lb.	333,788	263,359	492,781	408,030	756,934
Tungsten (WO ₃)	"	2,170,633	5,795,781	1,914,000	5,460,967	2,264,775
Zinc.....	"	303,078,331	36,308,784	431,771,995	58,936,877	448,646,414
Non-metallics:						
Asbestos	tons	8,598	2,920,751	17,187	4,265,971	20,356
Arsenic (As ₂ O ₃).....	lb.	2	2	2	2	2
Barite.....	tons	5,056	115,337	9,465	238,825	12,404
Diatomite.....	"	-	-	14	280	2
Gypsum	"	147,310	421,734	150,078	383,934	75,618
Mica (schist).....	tons	133	2,593	252	2,861	180,000
Peat moss	"	57,348	1,902,990	65,436	2,289,846	63,812
Pyrite.....	"	...	...	...	...	876,400
Quartz	"	-	-	28,269	127,211	63,317
Sulphur ³	-	...	2,525,500	...	2,796,783	...
Soapstone, talc.....	-	-	-	-	-	-
Fuels:						
Coal	tons	1,299,510	7,927,268	1,453,881	8,675,715	1,472,519
Natural gas	M. cu. ft.	60,883	6,545 ⁴	168,651	18,130 ⁴	187,846
Petroleum, crude	bbl.	-	-	582	1,368 ⁴	148,454
Structural materials:						
Cement.....	tons	305,117	4,935,298	334,057	5,474,875	396,138
Clay products	-	...	1,696,731	...	2,115,415	...
Lime.....	tons	51,046	935,246	56,362	1,115,591	45,536
Sand and gravel	"	10,153,612	6,189,710	11,151,337	6,945,144	16,010,853
Stone	"	1,443,036	2,444,843	3,090,098	4,203,925	3,174,067
Total	-	...	158,630,867	...	189,524,574	203,277,828

1. Tin content of concentrates and lead-tin alloy.

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 in 1954 and 1955. Sulphur in acid made from smelter gas in 1956.

4. For historical reference; data are not included in the total as figures were reported too late for inclusion in the compilations of 1954 and 1955.

TABLE 15. Mineral Production of the Northwest Territories, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Columbium (Cb_2O_5)	lb.	90	2,294	42	1,032	—
Cobalt	lb.	...	...	6,047	16,119	—
Gold	troy oz.	308,563	10,512,741	321,321	11,092,001	352,669
Silver	troy oz.	59,037	49,152	58,477	51,565	69,916
Tantalum (Ta_2O_5)	lb.	77	2,696	390	9,760	—
Uranium (U_3O_8)	lb.	...	15,486,157	...	13,232,079	873,912
Non-metallitics:						
Lithia	lb.	17,052	6,300	8,056	3,272	—
Fuels:						
Natural gas	M cu. ft.	29,085	9,700	18,670	6,213	21,210
Petroleum, crude	bbl.	369,887	344,960	404,219	1,185,780	449,409
Total	—	...	26,414,000	...	25,597,821	...
						22,157,935

TABLE 16. Mineral Production of Yukon, 1954-1956

Product	1954		1955		1956	
	Quantity	Value	Quantity	Value	Quantity	Value
Metallics:		\$		\$		\$
Cadmium	lb.	252,853	429,850	211,808	360,074	244,628
Gold	troy oz.	82,208	2,800,826	72,201	2,492,379	72,001
Lead	lb.	33,765,290	4,500,913	26,248,786	3,774,575	25,604,220
Silver	troy oz.	6,992,279	5,821,562	5,712,219	5,037,035	6,192,706
Tungsten (WO_3)	lb.	—	—	—	—	—
Zinc	lb.	23,645,588	2,832,741	21,823,307	2,978,881	21,052,518
Fuels:						
Coal	tons	14,113	202,772	7,040	81,806	9,372
Total	—	...	16,588,664	...	14,724,750	...
						15,656,434

TABLE 17. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1952-1956

	1952	1953	1954	1955	1956
Gold-quartz ores	16,496,218	15,247,337	16,178,273	16,404,660	14,589,230
Copper-gold-silver ores	7,773,341	7,438,500	8,501,569	9,911,751	10,422,648
Silver-cobalt ores	180,534	268,837	289,101	302,821	205,013
Silver-lead-zinc ores	6,759,454	7,539,882	7,272,011	7,526,352	7,651,006
Nickel-copper ores	14,380,684	15,004,102	16,748,709	17,022,067	18,453,360

TABLE 17. Tonnage of Ore Mined and Rock Quarried in the Canadian Mining Industry, 1952-1956 - Concluded

	1952	1953	1954	1955	1956
Iron ores	6,239,265	8,475,237	9,400,517	17,220,376	23,950,943
Miscellaneous metals ¹	514,188	459,312	624,176	800,764	2,119,476
Asbestos	12,989,320	13,912,839	14,793,760	17,696,357	21,922,874
Feldspar and nepheline syenite	100,663	173,934	175,856	215,660	286,022
Quartz, exclusive of sand (shipments)	1,274,196	1,107,999	933,588	945,398	1,296,431
Gypsum and anhydrite	3,553,917	3,839,040	4,184,178	4,539,660	4,900,265
Talc and soapstone	25,728	28,638	28,120	29,273	28,500
Iron oxides	20,048	24,388	13,985	11,789	11,152
Rock salt	85,520	71,034	80,652	275,104	638,651
Other non-metals	736,550	665,473	748,839	1,032,913	1,235,686
Stone, all kinds, quarries (exclusive of stone used for cement and lime)	18,726,196	19,849,017	32,767,925	30,512,920	33,257,318
Stone used for the manufacture of cement	4,513,625	5,330,778	5,566,198	5,964,433	7,152,693
Estimated rock for the manufacture of lime	2,131,563	2,163,427	2,154,987	2,274,211	2,276,836
Total (other than coal)	96,501,810	101,599,774	120,462,449	132,686,509	150,398,104

1. Uranium ore is not included prior to 1956.

Data for the years 1922-1946 are shown in Mineral Production of Canada, 1946.

Data for the years 1947-1951 are shown in General Review of the Mining Industry, 1951.

TABLE 18. Tonnage of Ore Mined¹ and Rock Quarried², by Provinces, 1952-1956

Province	1952	1953	1954	1955	1956
Newfoundland	2,617,399	3,699,509	5,438,153	7,940,876	9,593,643
Nova Scotia	3,648,167	3,722,578	13,688,431	4,636,728	4,906,251
New Brunswick	455,804	1,328,120	1,048,177	1,484,410	2,475,039
Quebec	33,679,910	34,972,673	40,338,566	50,624,193	57,611,096
Ontario	40,327,014	41,312,894	43,828,925	49,206,738	56,233,453
Manitoba	2,013,792	2,257,143	2,514,433	2,921,792	3,181,811
Saskatchewan	1,489,463	1,065,509	1,230,987	1,228,285	1,514,292
Alberta	542,283	779,817	780,744	792,055	1,013,726
British Columbia	11,183,604	11,785,831	10,782,055	13,090,597	13,009,058
Northwest Territories	410,545	483,517	575,429	597,270	675,083
Yukon	133,829	192,183	236,549	163,765	184,652
Canada (excluding coal)	96,501,810	101,599,774	120,462,449	132,686,509	150,398,104

1. Excluding uranium ore prior to 1956.

2. Sand and gravel, sodium sulphate, etc., which are not actually mined or blasted are not included.

TABLE 19. Yearly Average Prices of Copper, Lead, Zinc and Silver, from 1937
 (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 ¹	Yearly average ²
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
1945	11.775	6.500	8.250	51.928	1955	37.491	15.138	12.299	89.099
1946	13.820	8.109	8.726	80.151	1956	41.818	16.013	13.494	90.826

1. Prime western grade.

2. 1937-1956 for other than newly-mined domestic.

TABLE 20. Average Annual Metal Prices, in Canadian Dollars, 1937-1956

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
1937	\$	\$	\$	\$	\$	1947	\$	\$	\$	\$	\$
	34.99	0.449	0.131	0.051	0.0490		35.00	0.72	0.2039	0.1367	0.1123
1938	35.17	0.435	0.0987	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
1945	38.50	0.470	0.1255	0.050	0.0644	1955	34.52	0.8818	0.3687	0.1438	0.1365
1946	36.75	0.8365	0.128	0.0675	0.0781	1956	34.45	0.8968	0.4141	0.1551	0.1484

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 1951-1956.

TABLE 21. Production of Leading Mineral Products, by Months, 1954-1956

No.		Asbestos	Cement	Clay products	Coal	Copper	Gold	Gypsum
	1954	tons	tons	\$	tons	pounds	ounces	tons
1	January	56,900	155,679	1,699,694	1,626,528	34,760,959	294,000	169,182
2	February	61,629	207,561	1,986,123	1,376,087	37,019,796	311,653	191,925
3	March	74,775	308,210	2,336,470	1,267,600	53,407,117	369,350	183,692
4	April	32,950	321,196	2,122,501	1,121,486	55,245,661	357,839	226,302
5	May	79,709	403,147	2,740,313	972,539	55,854,096	383,556	372,045
6	June	78,960	453,660	3,327,262	1,068,506	52,230,151	377,274	454,633
7	July	70,393	447,705	3,369,334	870,125	53,193,403	380,885	449,783
8	August	80,783	403,342	3,289,747	796,465	53,624,165	369,434	475,657
9	September	90,934	363,847	3,175,773	1,258,368	47,544,822	373,810	452,828
10	October	88,610	342,472	3,022,761	1,416,937	54,585,157	378,887	474,964
11	November	87,443	333,342	3,024,104	1,590,522	52,643,755	385,350	291,409
12	December	71,240	166,398	2,366,016	1,548,416	55,349,960	384,402	208,002
13	Total	924,116	3,926,559	32,360,098	14,913,579	605,464,042	4,366,440	3,950,422
	1955							
14	January	61,609	153,390	1,795,121	1,449,585	52,940,950	366,175	184,483
15	February	68,520	155,679	1,748,264	1,276,643	50,519,666	350,572	163,671
16	March	78,524	235,011	2,243,557	1,400,907	53,771,601	371,884	223,202
17	April	99,658	311,126	2,265,983	946,447	50,604,597	369,866	279,930
18	May	94,465	505,607	3,369,754	1,028,419	51,637,064	383,464	387,630
19	June	91,389	575,996	3,808,114	940,505	55,169,012	373,078	444,581
20	July	83,476	495,700	3,466,685	784,995	53,162,106	384,460	538,029
21	August	98,799	532,188	3,726,739	820,510	54,243,836	385,717	488,216
22	September	95,039	483,636	3,717,861	1,257,328	55,376,246	394,312	548,460
23	October	97,656	435,006	3,563,074	1,414,960	55,366,941	395,202	550,199
24	November	112,626	352,015	3,281,641	1,769,929	54,387,477	388,040	529,153
25	December	83,041	164,126	2,272,977	1,728,652	64,807,927	379,192	330,347
26	Total	1,063,802	4,404,480	35,259,770	14,818,880	651,987,423	4,541,962	4,667,901
	1956							
27	January	58,550	195,533	2,136,017	1,668,772	59,890,931	369,805	307,754
28	February	67,853	224,561	2,515,473	1,423,086	53,497,626	351,969	276,207
29	March	76,778	313,844	2,350,304	1,321,038	63,070,387	333,926	304,820
30	April	99,558	428,586	2,710,044	1,085,826	55,435,563	367,646	414,733
31	May	101,934	593,467	3,797,254	1,093,805	58,635,581	374,542	483,252
32	June	79,773	581,905	3,856,769	913,336	57,934,295	380,574	572,299
33	July	86,511	557,870	3,931,683	854,554	62,021,921	351,492	543,078
34	August	98,316	546,851	3,858,193	855,757	57,178,263	351,692	437,946
35	September	81,953	442,518	3,594,299	1,142,328	62,132,602	352,510	409,087
36	October	90,920	538,060	3,962,240	1,494,359	59,693,186	368,385	490,909
37	November	111,645	400,035	3,214,689	1,562,454	59,426,857	367,303	351,623
38	December	60,458	198,453	1,858,015	1,500,295	60,803,378	364,019	304,103
39	Total	1,014,249	5,021,683	37,784,980	14,915,610	709,720,590	4,383,863	4,895,811

Data for the years 1929-1949 are shown in General Review of the Mining Industry, 1949.

Data for the years 1950-1952 are shown in General Review of the Mining Industry, 1952.

Data for the years 1951-1953 are shown in General Review of the Mining Industry, 1953.

TABLE 21. Production of Leading Mineral Products, by Months, 1954-1956

Iron ore tons	Lead pounds	Lime tons	Natural gas M cu. ft.	Nickel pounds	Petroleum barrels	Salt tons	Silver ounces	Zinc pounds	No.
237,105	35,422,934	90,606	15,078,439	25,529,066	9,020,985	77,421	2,603,593	54,192,617	1
115,184	33,826,440	94,611	11,190,960	23,743,284	7,617,112	73,845	2,062,740	50,671,167	2
64,045	34,193,553	100,903	11,587,456	27,237,787	6,192,970	73,689	2,352,392	58,272,111	3
132,950	38,894,932	96,043	10,425,699	26,029,230	5,377,799	75,751	2,745,615	63,575,220	4
552,589	39,397,113	107,402	8,393,004	26,916,596	7,162,693	77,569	2,564,919	60,800,308	5
654,174	38,135,833	109,679	7,419,045	26,537,691	7,869,298	79,712	2,769,694	60,246,120	6
830,099	37,165,394	102,797	6,744,214	25,302,301	9,192,320	76,377	2,717,859	64,722,736	7
992,271	36,787,616	101,169	6,920,083	26,855,764	9,136,216	80,617	2,840,385	65,643,359	8
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	9
1,337,961	33,241,463	106,102	10,195,984	28,645,924	9,720,081	83,793	2,461,823	70,026,151	10
851,382	36,610,469	109,652	11,332,133	28,317,665	8,292,067	91,266	2,823,719	69,154,965	11
183,332	38,175,687	96,732	13,623,147	29,894,166	9,644,550	97,230	2,364,826	72,686,918	12
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	13
109,021	37,917,656	101,748	14,788,834	28,774,869	9,960,527	92,536	2,232,386	72,976,751	14
83,704	30,036,499	97,638	13,928,526	26,749,976	9,151,131	82,601	2,010,506	64,136,319	15
33,099	38,226,700	110,550	14,801,730	31,087,194	9,576,365	81,357	2,413,591	73,348,110	16
189,478	35,778,916	108,294	11,073,413	30,022,506	7,629,234	76,137	2,324,287	69,438,428	17
1,414,369	33,616,427	109,966	10,032,046	30,704,167	9,710,797	89,264	2,255,620	74,734,761	18
2,129,963	36,099,695	112,783	8,834,825	29,565,561	10,828,824	93,433	2,362,980	67,106,940	19
2,438,241	33,799,589	107,194	8,639,072	28,959,360	12,386,306	82,588	2,347,380	66,936,125	20
2,675,718	33,852,094	111,957	8,788,637	29,550,988	11,865,673	116,476	2,470,607	74,658,688	21
2,457,511	32,382,501	113,637	10,386,077	27,468,451	10,893,206	127,666	2,416,829	74,062,890	22
2,474,759	27,725,216	126,215	12,806,577	28,721,478	12,572,281	129,355	2,472,990	80,893,829	23
1,890,095	30,557,133	124,787	17,357,885	28,530,835	12,325,693	136,581	2,213,991	76,280,502	24
257,219	35,532,612	106,349	19,334,690	29,671,612	12,540,210	136,767	2,443,037	72,140,795	25
16,283,177	405,525,038	1,331,118	150,772,312	349,856,997	129,440,247	1,244,761	27,984,204	866,714,038	26
376,350	32,454,063	102,211	19,354,616	29,920,064	13,603,033	120,668	2,333,452	75,339,360	27
139,131	29,105,728	102,310	17,243,379	29,944,823	13,538,786	128,317	2,045,349	71,093,454	28
63,718	34,134,943	109,434	16,045,079	30,958,004	14,298,149	103,037	2,344,585	73,504,290	29
461,176	23,862,399	109,027	13,181,191	28,811,474	11,877,634	95,144	2,061,509	70,590,236	30
2,429,943	31,346,795	107,934	11,154,514	30,355,527	12,009,204	97,667	2,511,200	70,773,653	31
2,873,610	34,124,162	108,558	9,711,104	28,943,707	13,226,221	110,075	2,540,081	72,174,057	32
2,893,465	32,146,024	112,158	9,565,562	30,209,101	14,248,097	130,151	2,313,488	74,658,291	33
3,720,055	32,935,673	111,503	10,304,046	29,664,496	16,065,041	152,296	2,362,803	70,860,002	34
3,356,448	32,014,843	106,455	11,706,233	29,020,118	15,116,254	150,079	2,571,756	65,716,533	35
3,164,042	33,901,558	120,048	14,343,870	29,484,353	15,776,843	168,945	2,436,998	71,229,488	36
2,630,303	29,870,030	105,869	16,271,178	30,083,902	15,560,130	165,167	2,464,919	63,235,768	37
240,037	31,912,686	100,187	20,272,014	29,634,737	16,661,971	169,258	2,445,707	66,089,993	38
22,348,278	377,708,904	1,295,699	169,152,586	357,030,311	171,981,413	1,590,804	28,431,847	845,265,125	39

Data for the years 1929-1949 are shown in General Review of the Mining Industry, 1949.

Data for the years 1950-1952 are shown in General Review of the Mining Industry, 1952.

Data for the years 1951-1953 are shown in General Review of the Mining Industry, 1953.

TABLE 22. Principal Statistics of the Mineral Industry, by Industries, 1952-1956

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹ value of production	Net ² value added by processing					
						No.	No.	\$	\$	\$	\$	
Metal Mining Industries												
Aluvial gold mines												
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	1,878,310					
1954	62	351	1,619,460	146,300	253,128	3,051,665	2,575,038					
1955	64	345	1,480,868	122,882	98,278	2,728,106	2,443,595					
1956	64	250	1,378,166	81,639	451,933	2,594,312	2,026,790					
Auriferous quartz mines												
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	6,987,528	23,639,788	127,644,959	95,627,104					
1955	136	18,032	63,961,744	7,080,925	24,496,662	134,476,377	101,382,077					
1956	133	17,031	62,701,494	6,830,676	22,725,750	127,983,495	97,011,062					
Copper-gold-silver-mines												
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					
1955	186	9,025	36,391,460	4,090,507	12,548,088	145,269,622	99,540,486					
1956	314	10,533	43,929,096	4,620,541	15,594,327	147,187,431	96,941,696					
Silver-cobalt mines												
1952	19	696	2,161,894	279,709	474,083	4,770,635	3,556,975					
1953	14	739	2,204,274	301,197	428,963	4,623,407	3,235,991					
1954	15	808	2,614,266	273,024	466,390	5,294,499	4,103,256					
1955	14	762	2,598,437	164,015	470,270	5,534,895	4,350,174					
1956	15	694	2,415,545	252,055	339,787	4,563,402	3,502,092					
Silver-lead-zinc mines												
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					
1955	103	6,529	26,741,770	3,465,589	9,740,623	140,186,677	82,663,039					
1956	96	6,338	27,253,247	3,452,621	8,215,578	142,920,691	86,604,019					
Nickel-copper mines												
1952	22	10,820	42,151,955	1,937,910	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					
1955	38	10,953	48,670,802	2,962,741	14,338,539	96,027,045	75,454,036					
1956	55	11,872	55,486,888	3,030,633	14,931,835	103,616,192	82,735,929					
Iron mines												
1954	Prior to 1955 iron mines were included in Miscellaneous Metal mines.											
1955	30	4,892	18,740,274	2,694,357	6,466,556	110,435,850	71,788,935					
1956	40	6,469	29,249,650	5,950,697	8,412,065	160,362,118	99,606,720					
Miscellaneous metal mines												
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 ³	180	6,494	24,603,658	3,553,358	10,174,222	83,379,952	66,138,130					
1955 ³	223	2,826	12,663,195	1,344,436	4,355,385	35,103,488	28,305,111					
1956 ³	169	4,377	20,532,485	4,191,314	8,630,542	54,494,426	40,781,866					
Total Metal Mining												
1952	618	55,338	197,682,960	19,201,403	63,414,853	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	389,226,573					
1955	794	53,364	211,248,550	22,525,452	72,514,401	669,762,060	485,927,453					
1956	886	57,564	242,946,571	28,410,166	79,301,817	743,722,067	509,210,175					

1. See footnote at end of table.

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

3. Includes data of uranium mines. — Data not available for 1941-1953.

Note. The number of producing metal mines was as follows: in 1952 — 242; in 1953 — 220; in 1954 — 260; in 1955 — 268; in 1956 — 252.

TABLE 22. Principal Statistics of the Mineral Industry, by Industries, 1952-1956 — Continued

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹ value of production	Net value ² added by processing							
Metal Mining Industries — Concluded														
Smelting and refining														
1952	18	24,608	87,964,295	50,571,452	519,731,231 ³	837,074,065	256,721,382							
1953	18	25,115	94,545,511	52,594,155	508,116,753 ³	870,913,142	310,207,228							
1954	22	26,048	102,595,970	55,225,387	515,315,655 ³	922,578,998	352,037,955							
1955	24	29,506	118,189,373	57,148,510	710,762,890 ³	1,211,715,481	443,805,081							
1956	23	30,788	130,139,944	64,942,503	820,604,322 ³	1,396,565,178	511,018,353							
Total Metals														
1952	636	79,946	285,647,255	69,772,835	383,195,884	See note at end of table	643,848,728							
1953	571	76,826	285,940,984	72,064,172	570,192,200		643,620,343							
1954	713	77,647	297,792,840	73,876,524	582,885,696		741,264,329							
1955	818	81,970	329,437,828	79,573,962	783,277,291		909,732,334							
1956	909	88,332	373,086,515	93,332,669	899,905,139		1,020,228,328							
Non-metal Mining Industries														
Asbestos														
1952	23	6,318	23,625,431	3,092,359	10,044,256	89,295,425	76,158,201							
1953	24	5,482	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	85,441,436	72,386,464							
1955	30	6,729	28,116,049	5,117,137	11,180,264	39,875,651	83,378,250							
1956	23	7,065	30,411,873	5,541,309	12,335,772	103,304,309	85,427,228							
Feldspar, quartz and nepheline syenite														
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	1,193,756	204,695	290,080	3,662,181	3,107,393							
1955	33	414	1,359,695	236,024	262,907	4,510,375	3,734,690							
1956	30	502	1,792,484	352,067	309,799	6,017,744	5,253,255							
Gypsum														
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	1,537,345	7,399,884	5,340,676							
1954	14	932	2,929,829	355,302	1,811,188	7,095,779	4,929,289							
1955	14	944	2,874,198	414,297	1,776,138	8,037,153	5,845,718							
1956	15	1,030	3,317,673	454,428	1,993,093	7,260,236	4,902,710							
Iron oxides (ocres)														
1952	4	45	93,423	25,166	840	194,922	153,055							
1953	4	37	83,095	23,776	2,250	195,801	152,953							
1954	3	31	67,564	21,822	3,904	186,856	150,871							
1955	4	33	71,781	21,931	3,931	165,928	121,772							
1956	3	29	49,669	6,055	5,465	191,145	152,400							
Mica														
1952	28	115	168,176	15,574	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	35,139	71,207							
1955	33	31	42,495	6,491	5,157	78,375	65,727							
1956	23	23	37,673	4,796	4,045	97,049	38,208							
Peat														
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							
1955	39	1,180	2,109,166	165,496	1,184,589	4,651,411	3,301,326							
1956	38	1,274	2,539,885	175,351	1,251,702	5,451,305	4,024,252							

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.

TABLE 22. Principal Statistics of the Mineral Industry, by Industries, 1952-1956 — Continued

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross ¹ value of production	Net value added by processing							
Non-metal Mining Industries — Concluded														
Salt														
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							
1955	13	691	2,347,080	1,019,017	2,280,268	11,869,077	8,569,792							
1956	13	785	2,740,685	988,301	2,465,982	14,007,188	10,552,905							
Talc and soapstone														
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							
1955	4	50	130,221	38,689	63,122	392,667	290,831							
1956	4	67	169,120	30,490	83,043	428,335	315,802							
Miscellaneous non-metal mines														
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							
1955	73	1,650	5,340,186	1,597,371	1,665,679	10,987,755	7,561,714							
1956	60	1,773	6,069,934	2,078,573	1,936,327	15,813,812	11,692,288							
Total Non-metal Mining Industries														
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	119,979,972	96,771,684							
1954	207	10,892	37,878,138	7,074,513	16,247,350	122,101,698	98,626,771							
1955	243	11,722	42,390,871	8,616,453	18,422,055	140,368,392	112,871,820							
1956	209	12,548	47,128,001	9,631,370	20,295,233	152,572,123	122,414,048							
Fuels Industries														
Coal														
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							
1955	203	16,590	50,325,387	5,014,951	10,353,242	93,579,471	78,211,278							
1956	185	16,095	49,468,237	5,141,388	11,175,928	95,349,763	79,032,447							
Natural gas														
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							
1955	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539							
1956	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004							
Petroleum														
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							
1955	10,467	4,019	16,948,262	3,289,228	5,783,035	310,666,676	301,592,413							
1956	13,142	5,145	25,734,994	4,231,770	8,817,449	408,291,885	395,242,666							
Total Fuels														
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							
1955	14,329	23,458	76,343,685	8,583,651	16,337,385	413,440,266	388,519,238							
1956	16,811	24,187	85,820,926	9,948,220	20,263,202	512,915,539	482,704,117							

1. See footnote at end of table.

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

TABLE 22. Principal Statistics of the Mineral Industry, by Industries, 1952-1956 — Concluded

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies and containers	Gross value of production	Net value added by processing
	No.	No.	\$	\$	\$	\$	\$
Clay Products and Other Structural Materials							
Clay products							
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
1955.....	118	4,118	12,850,485	5,287,490	886,736	36,353,183	30,178,957
1956.....	119	4,418	14,793,971	6,212,519	1,123,043	37,784,980	30,449,418
Cement							
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
1955.....	12	2,801	10,902,895	12,970,470	11,505,305	68,812,666	44,336,891
1956.....	17	3,186	12,856,855	15,763,605	12,784,027	78,005,846	50,058,214
Lime							
1952.....	42	1,005	3,145,246	3,420,265	1,014,789	14,219,453	9,784,399
1953.....	42	1,057	3,278,434	3,387,340	1,221,547	15,209,107	10,000,220
1954.....	40	1,012	3,349,881	3,382,054	1,295,963	15,488,731	10,810,714
1955.....	39	1,099	3,776,481	3,474,710	1,308,751	16,576,891	11,793,430
1956.....	38	1,100	3,853,007	3,670,384	1,235,969	16,462,331	11,555,978
Sand and gravel							
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	58,937,671	55,902,796
1955.....	7,999	4,360	14,442,413	2,635,407	723,540	67,775,053	64,416,106
1956.....	8,311	4,627	14,994,414	3,095,393	936,646	81,957,352	77,925,313
Stone							
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
1955.....	557	4,108	12,390,943	2,334,445	3,137,050	43,736,687	38,265,192
1956.....	523	4,142	13,513,965	2,463,126	3,945,537	48,809,918	42,401,255
Total Clay Products and Other Structural Materials							
1952.....	8,889	14,894	43,391,662	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
1955.....	8,725	16,486	54,423,217	26,702,522	17,561,382	233,254,480	188,990,576
1956.....	9,008	17,473	60,012,212	31,205,027	20,025,222	263,820,427	212,390,178
GRAND TOTAL OF ALL INDUSTRIES							
1952.....	19,937	134,116	452,976,151	104,989,194	629,807,739	See note below	1,112,454,319 1,181,547,245
1953.....	20,508	130,038	453,065,518	111,097,834	518,374,217		1,336,898,736
1954.....	21,904	129,445	465,305,873	115,910,978	630,798,791		1,600,314,160
1955.....	24,115	133,636	502,595,701	123,376,588	835,598,113		1,837,736,871
1956.....	26,937	142,560	566,047,634	144,137,286	960,489,796		

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 1952 — \$1,085,831,302; in 1953 — \$1,111,400,642; in 1954 — \$1,239,722,602; in 1955 — \$1,456,825,198; in 1956 — \$1,672,830,156.

TABLE 23. Principal Statistics of the Mineral Industry, by Provinces, 1952-1956

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies, ores and containers	Net value ¹ added by processing
	No.	No.	\$	\$	\$	\$
Newfoundland						
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	27,904,242
1955	963	4,273	14,768,356	1,526,686	3,636,792	43,810,350
1956	972	5,032	19,058,143	2,087,184	4,237,315	52,661,275
Nova Scotia						
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
1955	435	11,895	35,221,162	3,755,791	9,355,570	53,220,581
1956	645	11,897	34,753,648	3,896,193	10,082,506	52,334,682
New Brunswick						
1952	379	1,596	4,096,170	1,243,073	1,068,316	9,165,221
1953	383	1,755	4,545,645	1,375,329	1,299,981	9,276,770
1954	453	1,930	5,080,813	1,483,688	1,288,379	9,992,781
1955	510	2,221	6,491,864	1,723,548	1,526,965	12,742,214
1956	565	2,456	7,166,887	1,917,575	1,809,042	14,638,734
Quebec						
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
1955	4,366	36,068	135,625,841	52,093,927	376,642,782	411,667,591
1956	4,296	36,976	143,450,586	55,640,510	427,318,028	456,301,953
Ontario						
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
1955	6,545	45,253	175,160,318	39,599,001	297,860,906	480,392,319
1956	6,314	49,308	202,904,431	47,167,413	347,302,902	523,509,563
Manitoba						
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
1955	872	3,517	14,259,341	3,187,058	10,312,891	37,044,979
1956	1,086	3,220	13,170,338	4,141,848	9,201,153	44,835,075

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, as a plant which is located on the Manitoba-Saskatchewan boundary is counted but once.

TABLE 23. Principal Statistics of the Mineral Industry, by Provinces, 1952-1956 — Concluded

Year:	Establishments	Employees	Salaries and wages	Cost of fuel and electricity ¹	Cost of process supplies, ores and containers	Net value added by processing	\$
							\$
Saskatchewan							
1952	761	2,113	8,024,308	2,715,741	27,120,228	40,505,709	
1953	1,197	2,995	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	
1955	2,123	3,990	17,766,069	4,808,109	21,444,211	69,199,727	
1956	3,053	4,826	22,670,036	6,286,590	20,558,091	102,038,999	
Alberta							
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	
1955	7,235	9,540	34,371,452	5,148,897	13,759,562	320,395,543	
1956	8,813	10,089	42,098,665	6,417,660	15,689,102	400,305,131	
British Columbia							
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	
1955	979	15,029	59,481,061	9,751,648	98,737,589	140,742,540	
1956	1,078	16,864	70,494,703	14,409,055	120,856,885	164,568,928	
Northwest Territories							
1952	37	959	4,106,791	860,602	1,144,090	6,736,867 ²	
1953	41	791	3,686,321	767,078	769,909	8,675,331 ²	
1954	40	837	4,026,418	730,497	961,253	24,565,743	
1955	49	1,028	5,133,979	1,018,343	1,757,266	21,943,403	
1956	81	1,111	5,679,522	1,386,024	2,346,839	18,244,965	
Yukon							
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	
1955	39	822	4,316,258	763,580	572,620	9,154,913	
1956	35	781	4,600,700	787,234	1,095,581	8,297,575	
Canada							
1952	19,958	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	618,374,217	1,181,547,245	
1954	21,904	129,445	465,305,873	115,910,978	630,798,791	1,236,898,736	
1955	24,115	133,636	502,595,701	123,376,588	835,607,184	1,600,314,160	
1956	26,937	142,560	566,047,684	144,137,286	960,497,484	1,837,736,871	

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, as a plant which is located on the Manitoba-Saskatchewan boundary is counted but once.

MINERAL STATISTICS

TABLE 24. Employees and their Earnings in the Mineral Industry, by Industries, 1956

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:								\$	\$	\$
Placer gold	13	—	227	10	250	683,681	58,360	1,319,306	1,373,166	
Gold quartz	1,694	172	15,091	74	17,031	38,683,232	9,226,125	53,475,369	62,701,494	
Copper-gold silver	1,403	233	8,313	84	10,533	23,919,073	7,912,036	36,017,060	43,929,096	
Silver-cobalt	98	7	504	5	694	1,513,615	445,119	1,970,426	2,415,545	
Silver-lead-zinc	926	92	5,235	85	6,338	13,327,086	5,078,550	22,174,697	27,253,247	
Nickel-copper	1,005	44	10,810	13	11,872	23,393,085	6,606,185	48,880,703	55,486,883	
Iron	863	30	5,503	18	6,469	14,149,274	4,311,060	24,938,590	29,249,650	
Miscellaneous metals	837	88	3,436	16	4,377	10,244,141	4,412,933	16,119,552	20,532,485	
Smelting and refining	4,297	1,053	25,389	49	30,786	68,369,251	25,950,477	104,189,477	130,139,944	
Total metal	11,136	1,769	75,093	354	88,352	195,492,438	64,001,345	309,085,170	373,086,515	
Non-metalllics:								\$	\$	\$
Asbestos	897	132	6,009	27	7,065	15,199,540	5,303,697	25,102,181	30,411,878	
Feldspar and quartz	56	12	428	6	502	1,152,215	404,071	1,388,413	1,792,484	
Gypsum	119	10	899	2	1,030	2,381,729	505,839	2,811,834	3,317,673	
Iron oxides	1	1	27	—	29	44,056	7,473	42,196	49,669	
Mica	1	—	22	—	23	39,322	3,600	34,073	37,673	
Peat	40	17	1,167	50	1,274	2,223,615	215,724	2,323,161	2,538,885	
Salt	121	28	591	45	785	1,534,015	631,427	2,109,256	2,740,685	
Talc and soapstone	10	1	56	—	67	157,323	41,061	128,059	169,120	
Miscellaneous	186	21	1,562	4	1,773	3,769,255	947,470	5,122,464	6,069,934	
Total non-metallic	1,431	222	10,761	134	12,548	26,501,130	8,060,362	39,067,639	47,128,001	
Fuels:								\$	\$	\$
Coal	1,361	35	14,699	—	16,095	30,346,984	4,902,014	44,566,223	49,468,237	
Natural gas	370	232	2,307	38	2,947	6,083,645	2,243,160	8,374,535	10,617,095	
Petroleum	1,253	249	3,618	25	5,145	12,319,810	8,243,364	17,491,630	25,734,994	
Total fuels	2,984	516	20,624	63	24,187	49,250,439	15,388,538	70,432,388	85,820,936	
Structural materials:								\$	\$	\$
Cement	317	48	2,819	2	3,186	6,777,662	1,731,424	11,125,431	12,856, 555	
Clay products	317	50	3,986	65	4,418	10,308,939	1,624,652	13,169,319	14,793, 571	
Lime	76	13	1,009	2	1,100	2,653,746	359,524	3,493,483	3,853, 507	
Sand and gravel	326	65	4,221	15	4,627	12,216,313	1,374,081	13,620,333	14,994, 414	
Stone	355	36	3,747	4	4,142	10,019,340	1,508,558	12,003,407	13,513, 505	
Total structural	1,391	212	15,782	88	17,473	41,976,520	6,598,239	53,413,973	60,012,212	
Total mineral industry	16,942	2,719	122,260	639	142,560	313,220,527	94,048,484	471,999,170	566,047,654	

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

TABLE 25. Employees and their Earnings in the Mineral Industry, by Provinces, 1956

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	504	37	4,444	47	5,032	11,403,152	2,282,305	16,775,833	19,058,143	
Nova Scotia	965	30	10,887	15	11,897	23,260,013	3,334,263	31,419,385	34,753,648	
New Brunswick	234	22	2,186	14	2,456	5,443,341	1,225,933	5,940,949	7,166,582	
Quebec	4,643	599	31,647	87	36,976	85,775,321	23,707,839	119,742,747	143,450,586	
Ontario	5,281	740	43,160	127	49,308	106,116,283	31,149,407	171,755,024	202,904,431	
Manitoba	371	69	2,744	36	3,220	7,210,876	2,242,207	10,928,131	13,170,338	
Saskatchewan	850	167	3,701	28	4,826	11,337,017	5,000,691	17,669,345	22,670,036	
Alberta	1,609	257	3,144	79	10,089	21,478,757	9,258,621	32,840,044	42,093,665	
British Columbia	2,164	760	13,745	195	16,864	36,286,696	13,960,186	56,534,517	70,494,509	
Northwest Territories	225	28	855	3	1,111	2,754,314	1,290,152	4,389,370	5,679,543	
Yukon	96	10	667	8	781	2,154,757	596,880	4,003,820	4,600,769	
Canada	16,942	2,719	122,260	639	142,560	313,220,527	94,048,484	471,999,170	566,047,654	

TABLE 26. Employees and Salaries and Wages in the Mineral Industry, 1947-1956

Year	Newfound-land		Nova Scotia		New Brunswick		Quebec		Ontario		Manitoba	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
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	84,395,934	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
1955	4,273	14,768,356	11,895	35,221,162	2,221	6,491,864	36,068	135,625,841	45,253	175,160,318	3,517	14,259,341
1956	5,032	19,058,143	11,897	34,753,648	2,456	7,166,882	36,976	143,450,586	49,308	202,904,431	3,220	13,170,338
	Saskatchewan		Alberta		British Columbia		Northwest Territories		Yukon		Canada	
	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$	No.	\$
1947	2,831	6,856,253	11,365	25,528,877	13,546	31,631,916	836	2,468,094	548	2,065,089	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	2,586,281	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	453,085,518
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
1955	3,990	17,766,069	9,540	34,371,452	15,029	59,481,061	1,028	5,133,979	822	4,316,258	133,636	502,595,701
1956	4,826	22,670,036	10,089	42,098,665	16,864	70,494,703	1,111	5,679,522	781	4,600,700	142,560	568,047,654

TABLE 27. Employees and Earnings, by Provinces and by Mineral Classes, 1955 and 1956

Province	Metals		Non-metals		Fuels		Structural materials	
	Employees	Earnings	Employees	Earnings	Employees	Earnings	Employees	Earnings
	No.	\$	No.	\$	No.	\$	No.	\$
1955								
Newfoundland	3,095	10,750,186	512	1,605,473	-	-	666	2,412,697
Nova Scotia	254	848,270	1,116	3,208,652	10,073	30,051,041	452	1,113,199
New Brunswick	456	1,676,827	181	288,978	960	2,758,314	624	1,767,745
Quebec	23,053	88,700,696	7,396	28,584,806	-	-	5,617	18,340,339
Ontario	36,530	145,586,453	1,021	4,122,295	1,697	5,345,082	6,005	20,106,488
Manitoba	2,455	10,865,365	163	411,750	114	446,141	785	2,536,085
Saskatchewan	2,395	11,580,973	282	986,637	1,081	4,345,452	232	853,007
Alberta	603	2,593,685	47	152,323	8,036	28,714,829	854	2,910,615
British Columbia	11,312	47,490,706	1,002	3,029,957	1,464	4,577,356	1,251	4,383,042
Northwest Territories	1,003	5,061,680	-	-	25	72,299	-	-
Yukon	814	4,283,087	-	-	8	33,171	-	-
Canada	81,970	329,437,928	11,722	42,390,871	23,458	76,343,685	16,486	54,428,217
1956								
Newfoundland	3,706	15,343,787	506	1,511,599	-	-	820	2,202,757
Nova Scotia	106	302,775	1,229	3,859,076	9,983	29,167,810	579	1,423,987
New Brunswick	515	1,886,121	284	419,951	1,012	2,952,831	645	1,907,979
Quebec	23,990	94,361,425	7,877	31,671,134	-	-	5,109	17,418,027
Ontario	39,767	168,070,253	1,256	5,004,723	1,763	5,853,937	6,522	23,975,518
Manitoba	2,016	9,297,912	159	440,413	156	652,977	889	2,779,036
Saskatchewan	2,872	14,721,010	270	956,076	1,390	6,073,600	294	919,350
Alberta	663	3,067,487	58	193,915	6,212	34,724,657	1,156	4,112,606
British Columbia	12,845	55,875,815	909	3,071,114	1,651	6,274,822	1,459	5,272,952
Northwest Territories	1,099	5,601,103	-	-	12	78,419	-	-
Yukon	773	4,558,827	-	-	8	41,873	-	-
Canada	88,352	373,066,515	12,548	47,128,001	24,187	85,820,926	17,473	60,012,212

TABLE 28. Wage-earners on the Surface, Underground and in the Mill, 1956

Province	Metal mines			Fuels		Other ¹		
	Surface	Under-ground	Mill ²	Surface	Under-ground	Surface	Under-ground	Mill
Number								
Newfoundland	1,782	1,382	67	—	—	774	294	192
Nova Scotia	36	41	8	1,265	7,925	1,108	40	479
New Brunswick	272	62	50	597	353	474	4	388
Quebec	3,565	5,332	11,350	—	—	5,049	1,206	5,230
Ontario	7,392	16,221	11,479	1,345	—	3,429	163	3,258
Manitoba	660	656	384	108	—	331	33	608
Saskatchewan ³	975	700	683	961	2	143	—	345
Alberta	—	—	439	4,881	1,846	234	—	823
British Columbia	1,583	2,571	6,241	452	935	1,262	56	840
Northwest Territories ³	307	417	124	10	—	—	—	—
Yukon	134	297	237	3	4	—	—	—
Canada, 1956	16,706	27,679	31,062	9,622	11,065	12,804	1,798	12,163
Canada, 1955	15,540	26,522	28,669	8,886	11,439	12,204	1,632	11,445
Canada, 1954	14,098	26,821	26,627	9,082	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

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 1954-1956.

TABLE 29. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1956

Plant location	Average number of employees			Salaries and wages
	Male	Female	Total	
\$				
Newfoundland	13	10	23	102,517
Nova Scotia	1,373	101	1,474	4,776,349
New Brunswick	82	35	117	597,848
Quebec	426	133	559	2,644,367
Ontario	431	181	612	2,980,946
Manitoba	72	24	96	396,229
Saskatchewan	171	58	229	1,046,570
Alberta	4,207	1,548	5,755	28,709,801
British Columbia	160	72	232	1,262,501
Northwest Territories	6	1	7	24,061
Yukon	140	4	144	805,527
Canada	7,081	2,167	9,248	43,346,716

Data in Tables 28 and 29 not included elsewhere in this report.

TABLE 30. Administration and Office Employees at Places in Canada, Except at Mine or Plant, 1956

Industry	Average number of employees			Salaries and wages
	Male	Female	Total	
\$				
Metal mining	814	224	1,038	5,343,797
Smelting and refining ¹	5,816	1,770	7,586	35,102,891
Fuels	109	55	164	858,082
Non-metallic mining	342	118	460	2,041,946
Structural materials and clay products	—	—	—	—
Total	7,081	2,167	9,248	43,346,716

1. Iron and steel plants are excluded.

TABLE 31. Fuel and Electricity Used in the Mineral Industry, by Industries, 1955

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
		Kwh.	\$			
	\$			\$	Kwh.	Kwh.
Metal mining:						
Alluvial gold	122,802	8,000	80	122,882	21,959,500	6,588,600
Auriferous quartz	1,315,047	996,954,367	5,765,878	7,080,925	29,909,507	1,472,708
Copper-gold-silver	2,317,551	408,626,887	1,772,956	4,090,507	129,075,693	7,440,526
Silver-cobalt	115,372	23,146,450	148,643	264,015	—	—
Silver-lead-zinc	1,777,523	153,803,923	1,688,066	3,465,589	170,497,432	2,529,700
Nickel-copper	944,295	377,240,282	2,018,446	2,962,741	24,927,660	1,235,740
Iron ore	1,412,332	164,074,465	1,282,025	2,694,357	2,543,250	—
Miscellaneous metals	1,597,298	26,508,180	247,138	1,844,436	52,610,861	22,964,200
Smelting and refining	24,333,000	13,803,684,055	32,615,510	56,948,510	1,131,872,589	9,234,880
Total	33,935,220	15,954,046,609	45,538,742	79,473,962	1,563,396,492	51,466,354
Non-metal mining:						
Asbestos	2,351,547	359,880,254	2,765,590	5,117,137	5,011,569	—
Feldspar and quartz	103,081	19,292,058	132,943	236,024	—	—
Gypsum	234,888	13,337,336	179,409	414,297	30,584	—
Iron oxides	18,750	193,264	3,181	21,931	—	—
Mica	4,096	123,894	2,395	6,491	—	—
Peat	113,584	1,947,179	51,912	165,496	—	—
Salt	894,863	15,218,432	124,154	1,019,017	20,393,060	35,700
Talc and soapstone	15,654	1,240,645	23,035	38,689	—	—
Miscellaneous	1,265,812	29,301,449	331,559	1,597,371	7,394,848	58,238
Total	5,002,275	440,534,511	3,614,178	8,616,453	32,830,061	93,938
Fuels:						
Coal	1,312,546	266,035,923	3,702,405	5,014,951	12,882,840	3,035,665
Natural gas	239,354	1,539,335	40,118	279,472	1,109,555	1,786,245
Petroleum	1,975,320	38,118,117	1,313,908	3,289,228	4,342,400	—
Total	3,527,220	305,693,375	5,056,431	8,583,651	18,334,795	4,821,910
Structural materials:						
Cement	10,082,190	491,115,243	2,888,280	12,970,470	716,130	—
Clay products	4,662,595	46,059,446	624,695	5,287,490	130,604	—
Lime	3,261,770	24,093,309	212,940	3,474,710	1,751,000	—
Sand and gravel	2,327,609	19,910,164	307,798	2,635,407	20,000	—
Stone	1,415,660	62,392,857	918,785	2,334,445	1,544,005	—
Total	21,749,824	643,571,019	4,952,698	26,702,522	4,161,739	—
GRAND TOTAL	64,214,539	17,343,845,514	59,162,049	123,376,588	1,618,723,087	56,382,202

TABLE 32. Fuel and Electricity Used in the Mineral Industry, by Provinces, 1955

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
		Kwh.	\$			
	\$			\$	Kwh.	Kwh.
Newfoundland	763,264	81,391,184	763,422	1,526,686	6,435,877	58,238
Nova Scotia	1,141,842	179,746,142	2,613,949	3,755,791	11,284,709	963,500
New Brunswick	972,588	41,199,556	750,960	1,723,548	496,000	—
Quebec	18,954,578	12,262,956,895	33,139,349	52,093,927	60,244,592	10,412,275
Ontario	26,578,464	2,443,206,445	13,020,537	39,599,001	26,132,363	5,718,000
Manitoba	2,304,593	230,155,026	882,465	3,187,058	25,483,790	1,235,740
Saskatchewan	3,769,921	403,273,000	1,036,188	4,808,109	72,576,680	22,500,000
Alberta	3,074,224	136,726,929	2,074,673	5,148,897	36,636,820	3,894,110
British Columbia	5,795,486	1,489,786,524	3,956,162	9,751,648	1,345,921,351	5,011,739
Northwest Territories	421,738	62,192,085	596,605	1,018,343	11,551,405	—
Yukon	437,841	12,409,728	325,739	763,560	21,959,500	6,588,600
Canada	64,214,539	17,343,845,514	59,162,049	123,376,588	1,618,723,087	56,382,202

TABLE 33. Fuel and Electricity Used in the Mineral Industry in Canada by Kinds and Industries, 1956

No.	Industry	Bituminous coal		Sub-bituminous coal	Anthracite coal	Lignite coal	Coke	Gasoline	Kerosene
		Canadian	Imported						
		tons	tons	tons	tons	tons	tons	imp. gal.	imp. gal.
	Metal mining								
1	Alluvial gold	100						11,573	—
2		\$ 2,000						5,333	—
3	Auriferous quartz	2,576	24,666	4,138	783	1	6	321,038	9,128
4		\$ 37,772	376,867	91,024	17,522	45	161	139,105	3,070
5	Copper-gold-silver	82,910	2,136	760	516	248	97	724,891	17,030
6		\$ 550,407	55,754	11,511	5,116	3,921	2,487	272,457	6,263
7	Silver-cobalt	—	1,403	—	474	665	—	53,412	25
8		\$ —	27,098	—	13,253	13,677	—	21,693	11
9	Silver-lead-zinc	22,423	9,370	2,279	83	4	16	419,367	2,799
10		\$ 317,391	173,673	17,654	2,687	61	400	164,919	1,127
11	Nickel-copper	16,620	6,862	—	62	—	—	150,521	4,851
12		\$ 192,965	88,464	—	1,403	—	—	54,911	1,472
13	Iron	2,553	650	—	3,874	1	15,782	824,268	18,859
14		\$ 36,791	9,771	—	45,312	14	457,663	340,391	4,974
15	Miscellaneous metals	3	23,940	150	—	—	9	701,602	25,700
16		\$ 79	432,383	3,000	—	—	289	254,115	7,228
17	Smelting and refining	414,208	590,632	42	71,366	—	320,237	765,994	176,270
18		\$ 5,591,587	6,624,314	610	902,797	—	6,802,958	261,023	34,644
19	Total	541,393	659,659	7,369	77,158	919	336,147	3,972,666	254,662
20		\$ 6,728,992	7,788,324	123,799	988,090	17,718	7,263,958	1,513,947	58,789
	Mineral fuels								
21	Coal	59,526	—	52,286	—	18,779	239	939,964	10,928
22		\$ 445,532	—	197,466	—	23,077	4,478	312,334	2,935
23	Natural gas	—	—	—	—	1,800	—	1,129,640	29,648
24		\$ —	—	—	—	4,680	—	416,334	7,009
25	Petroleum	105	—	140	—	—	—	4,080,814	4,640
26		\$ 1,087	—	1,148	—	—	—	1,637,406	1,776
27	Total	59,631	—	52,426	—	20,579	239	6,150,418	45,216
28		\$ 446,619	—	198,614	—	27,757	4,478	2,366,074	11,720
	Non-metal mining								
29	Asbestos	11,213	9,975	—	26,704	—	—	693,416	18,887
30		\$ 171,232	143,621	—	384,712	—	—	265,075	6,046
31	Feldspar, quartz, nepheline	—	4	—	6	—	—	90,873	1,349
32		\$ —	113	—	153	—	4	34,907	292
33	Gypsum	460	4,545	950	—	—	—	93,900	150
34		\$ 6,115	56,640	4,679	—	—	—	27,186	30
35	Iron oxides	—	—	—	—	—	—	4,032	1,400
36		\$ —	—	—	—	—	—	1,550	460
37	Mica	76	—	—	—	—	—	3,212	—
38		\$ 1,461	—	—	—	—	—	1,362	—
39	Peat	—	—	4,346	1	—	—	162,064	3,872
40		\$ —	—	48,797	27	—	—	59,330	1,379
41	Salt	16,994	27,703	—	—	—	—	9,503	—
42		\$ 187,837	264,541	—	—	—	—	3,766	—
43	Talc and soapstone	—	—	—	—	—	—	8,016	—
44		\$ —	—	—	—	—	—	3,033	—
45	Miscellaneous	1,616	1	—	—	38,959	—	386,500	71,777
46		\$ 26,125	12	—	—	173,363	—	147,178	16,186
47	Total	30,359	42,228	5,296	26,711	38,959	—	1,451,516	97,435
48		\$ 392,770	464,927	53,476	384,892	173,363	4	543,387	24,393
	Structural materials								
49	Clay products	25,636	179,778	289	492	2,494	1,752	779,909	3,594
50		\$ 336,393	2,387,526	2,716	5,147	6,701	23,904	263,852	901
51	Cement	581,215	375,043	—	—	670	207	255,237	17,194
52		\$ 6,169,916	3,740,509	—	—	13,099	4,035	76,161	4,467
53	Lime	27,571	98,272	3,898	—	7,608	30,229	1,719,232	—
54		\$ 347,408	1,300,080	31,222	—	42,343	492,662	674,510	—
55	Sand and gravel	2,431	1,874	383	25	—	4	4,906,526	466
56		\$ 30,523	59,064	1,248	593	—	90	1,793,172	129
57	Stone	2,642	1,288	—	97	—	608	2,161,206	5,222
58		\$ 40,489	21,540	—	1,536	—	9,549	775,951	1,892
59	Total	639,495	656,255	4,570	614	10,772	32,800	9,822,110	26,476
60		\$ 6,924,729	7,508,719	35,186	7,276	62,143	530,240	3,583,646	7,389
61	Grand total, 1956	1,270,878	1,358,142	69,661	104,483	71,229	369,186	21,396,710	423,789
62		\$ 14,493,110	15,761,970	411,075	1,380,258	280,981	7,798,680	8,007,054	102,291

TABLE 33. Fuel and Electricity Used in the Mineral Industry in Canada by Kinds and Industries, 1936

Fuel oil	Wood	Gas			Other fuel	Electricity purchased		Total	Electricity generated		No.
		Liquefied petroleum	Manufactured	Natural		For power and light	For other purposes		For own use	For sale	
		imp. gal.	cords	imp. gal.	M cu. ft.	M cu. ft.	\$	K.w.h.	K.w.h.	\$	No.
359,165	52	—	—	—	—	—	—	—	20,287,400	6,604,100	1
73,570	736	—	—	—	—	—	—	81,639	28,000	2	
2,613,997	16,330	5,987	—	—	—	—	879,980,271	6,412,582	54,973,980	1,852,958	3
546,525	185,121	2,492	—	—	—	81,845	5,313,082	36,045	... 6,830,676	35,726	4
4,520,425	5,573	152,310	12,800	—	—	—	496,965,433	—	106,390,254	817,891	5
905,550	89,752	51,760	5,762	—	—	32,700	2,627,101	—	4,620,541	11,847	6
26,587	109	1,705	—	—	—	—	18,358,856	—	—	—	7
7,012	1,536	755	—	—	—	40,865	126,155	—	252,055	—	8
4,020,643	753	274,597	—	—	—	—	171,190,258	247,173	... 3,452,621	179,328,224	180,000
942,248	18,191	123,054	—	—	—	—	1,689,087	2,129	... 29,743,600	1,944	10
4,866,325	1,313	35,452	—	—	—	—	377,852,500	—	... 3,030,633	1,560,000	11
841,574	15,867	12,319	—	—	—	—	1,821,658	—	... 4,191,314	49,143	12
8,611,767	6	14,883	—	—	—	—	526,758,069	—	... 5,950,687	46,352,700	—
1,536,385	36	5,603	—	—	—	—	3,513,747	—	... 75,551,886	491,200	15
9,831,399	199	36,436	—	—	—	—	124,208,062	66,000	... 4,191,314	12,862	16
2,171,811	2,785	15,626	—	—	—	8	1,303,659	331	... 1,121,430,109	12,219,100	17
89,737,085	1,452	68,724	98,217	1,952,752	—	—	2,206,367,656	11,775,005,975	... 64,942,503	37,036	18
9,350,514	38,820	10,709	98,846	232,109	20,155	—	7,216,473	27,756,944	... 1,634,058,153	23,725,249	19
124,587,393	25,787	590,094	111,017	1,952,752	—	4,801,681,105	11,781,731,730	... 93,352,669	... 176,558	20	
16,375,184	352,844	222,318	104,608	232,109	175,573	23,610,962	27,795,449	... 93,352,669	... 176,558	20	
1,471,401	705	12,222	293,200	—	—	249,809,769	11,267,420	—	9,267,901	404,649	21
335,820	7,734	2,280	14,777	—	—	3,609,148	185,807	5,141,388	9,013	—	22
29,580	—	16,950	—	467,339	—	3,233,153	—	... 575,062	657,000	—	23
5,397	—	2,710	—	75,318	—	63,614	—	... 4,231,770	4,766,770	—	24
2,735,435	5	145,728	—	5,363,511	—	60,648,678	—	... 4,231,770	—	—	25
578,599	25	32,391	—	397,591	—	1,581,747	—	... 4,231,770	—	—	26
4,236,416	710	174,900	293,200	5,830,850	—	313,691,600	11,267,420	... 185,807	14,691,671	404,649	27
919,816	7,759	37,381	14,777	472,909	—	5,254,509	—	9,948,220	—	9,013	28
8,311,785	2,981	28,350	—	—	—	425,144,433	—	—	6,197,133	—	29
1,362,377	39,389	12,453	—	—	—	3,156,404	—	5,541,309	—	—	30
753,306	64	70	—	—	—	17,586,202	—	—	27,931	—	31
126,409	676	32	—	—	—	189,481	—	—	—	—	32
958,520	—	—	—	71	—	16,023,212	162,000	—	28,673	—	33
138,450	—	—	—	106	—	215,492	5,730	454,428	—	—	34
1,660	—	—	—	—	—	213,600	—	—	—	—	35
399	—	—	—	—	—	3,646	—	6,055	—	—	36
1	1	—	—	—	—	95,700	—	—	—	—	37
2	12	—	—	—	—	1,959	—	4,796	—	—	38
45,597	134	—	—	—	—	1,920,064	129,647	—	—	—	39
5,901	2,718	—	48	—	—	54,143	3,010	175,351	—	—	40
3,432,147	—	—	—	591,856	—	16,050,180	—	—	11,721,430	41,600	41
341,010	—	—	—	43,215	—	147,932	—	988,301	—	334	42
14,974	—	—	—	—	—	1,261,206	—	—	—	—	43
3,757	—	—	—	—	—	23,700	—	30,490	—	—	44
8,343,758	18	2,660	314,791	25,848	—	51,493,478	11,226,480	—	7,530,808	60,600	45
1,031,972	129	1,277	69,257	1,229	—	523,729	88,116	2,078,573	—	1,818	46
21,861,748	3,198	31,080	314,791	617,775	—	529,788,075	11,518,127	—	25,505,975	102,200	47
3,010,277	42,922	13,762	69,305	44,550	—	4,316,486	96,856	9,631,370	—	2,152	48
17,204,629	23,278	163,207	—	2,300,551	—	58,050,880	—	—	4,523	—	49
1,811,902	217,878	55,897	—	363,608	2,563	733,531	—	6,212,519	—	—	50
17,372,640	—	7,580	—	4,427,157	—	565,424,682	—	—	1,465,420	—	51
1,595,580	—	2,941	—	678,995	—	3,477,902	—	15,763,605	—	—	52
1,718,269	14,169	2,450	817,400	175,379	—	29,453,279	—	—	1,666,000	—	53
239,032	113,494	465	122,706	42,139	—	264,323	—	3,670,384	—	—	54
4,208,890	126	14,194	—	29,249	—	22,955,430	—	—	64,967	—	55
760,319	1,204	7,069	—	3,024	601	438,357	—	3,095,393	—	—	56
2,805,053	448	816	7,580	7,962	—	69,303,893	—	—	1,666,065	—	57
596,815	3,621	698	246	2,763	—	1,008,026	—	2,463,126	—	—	58
43,309,481	38,021	188,247	824,980	6,940,298	—	743,187,964	—	—	4,866,975	—	59
5,003,648	336,197	67,070	122,952	1,090,529	3,164	5,922,139	—	31,205,027	—	—	60
193,995,038	67,716	984,321	1,543,988	15,341,675	—	6,390,348,744	11,804,517,277	—	1,679,122,774	24,232,098	61
25,308,930	739,722	340,531	311,642	1,840,097	178,737	39,104,096	28,078,112	144,137,286	—	187,723	62

TABLE 34. Fuel and Electricity used in the Mineral Industry, in Canada, by Kinds and by Provinces, 1956

	Provinces	Bituminous coal		Sub-bituminous coal	Anthracite coal	Lignite coal	Coke	Gasoline	Kerosene	Fuel oil
		Canadian	Imported							
		tons	tons	tons	tons	tons	tons	imp. gal.	imp. gal.	imp. gal.
1	Newfoundland	3,434	3,112	—	—	5	52	486,793	10,284	4,543,107
2	\$ 47,811	73,298	—	—	159	1,633	209,631	2,484	847,135	
3	Nova Scotia	66,921	—	—	—	—	239	510,504	52,796	1,796,793
4	\$ 720,196	—	—	—	—	—	4,478	168,723	10,043	237,602
5	New Brunswick	31,718	1,600	—	—	—	—	540,751	28,893	2,747,248
6	\$ 382,052	32,000	—	—	—	—	—	181,435	6,556	450,287
7	Quebec	622,552	87,099	2,001	99,011	—	1,638	3,761,773	216,274	91,190,048
8	\$ 7,205,846	1,333,106	12,760	1,304,252	—	—	27,892	1,443,910	47,510	9,636,668
9	Ontario	19,362	1,250,650	31	5,470	918	285,747	8,297,499	50,056	48,330,888
10	\$ 233,366	14,109,190	413	75,911	17,673	5,732,062	—	3,058,055	16,044	6,943,734
11	Manitoba	89,571	15,029	5,853	—	8,815	871	536,654	3,565	14,161,439
12	\$ 1,168,617	202,940	105,801	—	58,419	16,578	—	210,459	1,124	1,193,895
13	Saskatchewan	114,999	—	374	—	59,690	35	1,768,111	14,600	10,186,998
14	\$ 1,502,651	—	4,544	—	200,005	—	761	676,730	4,183	1,849,258
15	Alberta	7,508	—	56,621	—	1,800	—	3,919,768	35,800	3,313,756
16	\$ 33,357	—	230,662	—	4,680	—	—	1,480,625	9,007	684,070
17	British Columbia	305,957	652	4,774	2	1	80,604	1,780,923	9,257	14,199,089
18	\$ 3,004,574	11,436	56,691	95	45	2,015,276	—	522,403	3,218	2,667,371
19	Northwest Territories	—	—	7	—	—	—	49,778	1,589	2,972,002
20	\$ —	—	—	204	—	—	—	32,969	1,771	619,651
21	Yukon	8,856	—	—	—	—	—	44,156	675	553,580
22	\$ 194,640	—	—	—	—	—	—	22,114	351	179,257
23	Grand Total 1956	1,270,878	1,358,142	69,661	104,483	71,229	369,186	21,396,710	423,789	193,995,038
24	\$ 14,493,110	15,761,970	411,075	1,380,258	280,981	7,798,680	8,007,054	102,291	.25,308,930	

TABLE 34. Fuel and Electricity used in the Mineral Industry, In Canada, by Kinds and by Provinces, 1956

Wood	Gas			Other fuel	Electricity purchased		Total	Electricity generated		No.
	Liquefied petroleum	Manufactured	Natural		For power and light	For other purposes		For own use	For sale	
cords	imp. gal.	M. cu. ft.	M. cu. ft.	\$	k.w.h.	k.w.h.	\$	k.w.h.	k.w.h.	
-	1,576	-	-	...	84,877,684	-	...	26,272,368	60,600	1
-	710	-	-	-	904,323	-	2,087,184	...	1,818	2
720	1,236	131,181	-	...	185,544,275	373,120	...	6,923,288	1,440	3
7,934	218	35,161	-	-	2,702,585	9,253	3,896,193	...	20	4
9,015	9,503	-	5,779	...	39,786,594	3,766,150	...	470,800	-	5
84,003	4,466	-	2,960	-	680,932	92,884	1,917,575	...	-	6
11,208	314,795	935,997	-	...	2,170,632,379	9,247,993,353	...	75,585,100	13,278,818	7
125,370	145,484	227,560	-	83,832	11,204,851	22,841,469	55,640,510	...	56,921	8
35,745	267,785	183,610	786,863	...	2,754,271,836	149,753,300	...	25,848,725	-	9
389,421	92,842	34,144	332,778	90,559	15,320,407	720,814	47,167,413	...	-	10
1,170	168,665	-	-	...	253,042,613	2,642,400	...	24,679,740	1,560,000	11
10,875	29,817	-	-	-	1,130,111	13,212	4,141,848	...	49,143	12
171	30,023	-	699,948	...	436,447,881	-	...	55,619,973	-	13
1,714	9,115	-	93,774	-	1,943,855	-	6,286,590	...	-	14
-	134,731	400	13,848,626	...	201,998,921	7,280	...	37,083,083	444,809	15
-	33,131	137	1,410,451	601	2,530,795	144	6,417,660	...	9,327	16
7,937	48,032	292,800	459	...	204,745,271	2,399,177,193	...	1,370,559,833	1,447,331	17
86,125	21,087	14,640	134	3,745	1,605,863	4,396,350	14,409,055	...	25,432	18
1,067	-	-	-	...	44,910,758	804,481	...	36,368,464	835,000	19
16,945	-	-	-	-	710,498	3,986	1,386,024	...	17,062	20
683	7,975	-	-	...	14,090,532	-	...	19,711,400	6,604,100	21
17,335	3,661	-	-	-	369,876	-	787,234	...	28,000	22
67,716	984,321	1,543,988	15,341,675	...	6,390,348,744	11,804,517,277	...	1,679,122,774	24,232,098	23
739,722	340,531	311,642	1,840,097	178,737	39,104,096	28,078,112	144,137,286	...	187,723	24

TABLE 35. Cost of Prospecting Conducted by Metal Mining Companies, 1953-1956

Province in which prospecting was conducted	By placer gold mines ¹	By gold 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 and iron mines ¹	Total metal mining
Dollars								
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	746,248	2,637,450	1,149,976	7,027,418
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	6,399	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	1,757,421
Canada	35,240	3,399,755	3,188,890	24,733	6,843,897	6,785,804	6,536,916	26,815,235
1955								
Newfoundland	—	—	19,939	—	249,576	14,557	158,566	442,638
Nova Scotia	—	227	264,957	—	51,380	482	33,333	350,379
New Brunswick	—	131,778	1,581,845	—	572,231	104,587	521,566	2,912,007
Quebec	—	313,921	2,230,376	23,409	690,365	194,052	1,499,606	4,951,729
Ontario	—	790,183	2,108,177	48,663	723,142	3,810,036	3,410,345	10,890,546
Manitoba	—	24,422	85,261	—	101,525	2,130,437	32,369	2,374,014
Saskatchewan	—	2,599	100,896	1,750	45,490	582,910	591,162	1,324,807
Alberta	—	—	14,316	—	—	—	—	14,316
British Columbia	12,524	51,182	416,500	12,702	500,189	150,077	159,542	1,302,716
Northwest Territories	—	67,710	56,441	—	169,041	291,442	171,715	756,349
Yukon	12,280	88,621	268,790	—	89,309	1,065,606	84,434	1,609,040
Canada	24,804	1,470,643	7,147,496	86,524	3,192,248	8,344,186	6,662,638	26,928,541
1956								
Newfoundland	—	353,675	283,067	—	268,064	980	1,056,064	1,961,830
Nova Scotia	—	1,020	54,908	—	180,029	—	77,450	313,407
New Brunswick	—	282,993	2,762,998	—	157,218	396	563,375	3,766,980
Quebec	—	1,612,798	5,506,738	3,157	1,317,349	1,206,200	3,705,926	13,352,168
Ontario	—	1,213,821	3,981,727	107,238	418,406	3,916,585	2,056,823	11,694,600
Manitoba	—	91,399	2,229,693	707	15,853	6,788,586	242,837	9,369,075
Saskatchewan	—	51,837	420,280	—	30,269	260,156	390,270	1,152,812
Alberta	—	—	2,310	—	—	—	—	2,310
British Columbia	3,422	256,791	2,041,393	—	884,980	154,803	314,692	3,656,081
Northwest Territories	—	366,339	202,753	—	51,750	464,586	309,960	1,395,388
Yukon	28,198	34,282	830,018	—	247,283	518,065	77,762	1,735,608
Canada	31,620	4,264,955	18,315,885	111,102	3,571,201	13,310,337	8,795,159	48,400,259

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

ERRATA

Some revisions have been made in the 1956 statistics on the mineral industries since the publication of the separate industry reports in this series. These are as follows:

Salt Industry:

Page N-3, line 3, "\$11,401,966" should read \$12,144,476.
Page N-3 Table 1, column 7 and column 8, the 1956 gross value should read \$14,007,188 and the net value should read \$10,552,905.
Page N-3 Table 2, column 7, revised figures are; Fine vacuum salt \$7,061,233; Total dry salt, \$11,185,408; Total salt and salt content of brine, \$12,144,476; Total value, including containers, \$14,007,188.
Page N-4, Table 3, column 6, "\$11,401,966" should read \$12,144,476.
Page N-4, Table 4, revised figures for 1956 are: Ontario, 1,347,729 tons, \$7,932,294; Manitoba, \$513,373; Alberta, \$1,162,982.

Nickel-Copper Mining:

Page D-7, table 15, column 5, "156,994" should read "156,130".
Page D-7, table 15, column 6 "... should read "2,541".
Page D-11, table 26. Bituminous coal (b) imported revised to 6,862 tons valued at \$88,464. Anthracite coal revised to 62 tons, \$1,403.
Page D-12, table 27. Bituminous coal (b) imported revised to 566,181 tons valued at \$6,285,293. Anthracite coal revised to "nil".

Miscellaneous Metal Mining Industry:

Page F-13, table 20; last line, should read 1956, 2,182,435 pounds \$3,710,140; 156,986 pounds \$266,876; 2,339,421 pounds \$3,977,016.
Page F-31, table 58, column 3, "1,434,641" should read "1,493,111" WO₃ content.

Smelting and Refining Industry:

Page G-5, table 4. Bituminous coal (b) imported revised to 590,632 tons valued at \$6,624,314. Anthracite coal revised to 71,366 tons at \$902,797.
Page G-9, table 22, column 2, "82,386" tons should read "88,408" tons column 3; "\$3,680,077" should read "\$3,841,270".
Page G-6, table 7. Gold for 1952 revised to 4,471,725 ounces at \$153,246,016 silver for 1952 revised to 25,222,227 ounces at \$21,065,603.
Page G-9, table 20. Cobalt for 1955 revised to 3,318,637 pounds at \$8,563,700.
Page G-9, table 21. Palladium and other, for 1952—value should read \$7,559,109 value for 1953 should read \$7,495,409.









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