

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Release date: January 2, 1970

Price: 25 cents

CANADA'S MINERAL PRODUCTION

(Preliminary Estimate)

1969

Shipments of Canadian minerals dropped slightly in 1969. According to an estimate prepared by the Dominion Bureau of Statistics, Ottawa, the total value of minerals was \$4.69 billion, compared with \$4.73 billion in 1968, a decrease of 0.8 per cent. The values of the leading mineral commodities were: crude petroleum, \$1,010 million; copper, \$574 million; nickel, \$482 million; iron ore, \$432 million; zinc, \$364 million and natural gas, \$264 million.

Shipments of the metallic group - metals, ores and concentrates were valued at \$2,321 million. Copper shipments exceeded 558,000 tons while nickel shipments amounted to 213,000 tons. Shipments of both these commodities were adversely affected by the prolonged labour strikes in the Sudbury area. Shipments of zinc reached an all time high in excess of 1,196,000 tons while lead shipments decreased to 315,000 tons. Iron ore shipments, which amounted to 40 million tons, were also adversely affected by labour strikes during the year. While the quantity of uranium shipped increased by 4 per cent to 7.7 million pounds there was a small decrease in the corresponding value. Producers shipments of silver decreased by 4 per cent while the value of shipments decreased by 20 per cent as silver prices plummeted from the previous year's high. There was a further decline in gold shipments.

During 1969 the shipments of nonmetallic minerals were valued at \$444 million. While the tonnage shipments of asbestos were the same as in the previous year the realised value was higher as producers prices were increased early in the year. Both tonnage and value of gypsum increased in 1969. Both tonnage and value of potash shipments showed a modest increase. Elemental sulphur, recovered largely from sour gas in the western provinces, recorded an increase in the quantity shipped but showed a marked decrease in value. Salt shipments declined both in volume and value.

Mineral or fossil fuels rose by 9 per cent to reach a peak value of \$1,461 million. Coal production continued at approximately the same level as in the previous year. The utilized natural gas was nearly 2.0 trillion cubic feet. The by-products of natural gas processing plants which include propane, butane, etc. were valued at \$136 million. The volume of crude petroleum was estimated at 407 million barrels.

Structural materials were valued at \$461 million, a 4.1 per cent increase over the previous year. Domestic clay products, which includes brick, tile, flue linings, sewer pipe and pottery, were valued at \$51 million. Cement shipments increased to 8.5 million tons valued at \$171 million. Output of lime was valued at \$20.1 million. Sand and gravel, used for roads, concrete aggregate, etc., accounted for \$130.7 million while stone amounted to \$88.1 million.

Manufacturing and Primary Industries Division

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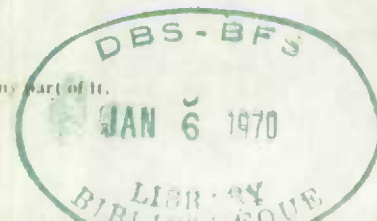


TABLE 1. Value of Mineral Production of Canada, by Classes, 1960-69

Year	Metals	Non-metals	Fossil fuels	Structural materials	Total
dollars					
1960	1,406,558,061	197,505,783	565,851,829	322,594,308	2,492,509,981
1961	1,387,159,036	210,467,786	653,327,802	331,345,763	2,582,300,387
1962	1,496,433,950	217,453,009	780,932,387	356,166,833	2,850,986,179
1963	1,509,536,931	253,452,413	908,428,087	379,011,116	3,050,428,547
1964	1,701,648,538	284,497,000	998,767,672	403,058,324	3,387,971,534
1965	1,907,575,899	327,238,901	1,076,494,117	434,161,904	3,745,470,821
1966	1,984,672,572	363,387,717	1,150,611,731	474,108,899	3,972,780,919
1967	2,285,279,477	406,269,252	1,258,924,742	448,197,382	4,398,670,853
1968	2,492,599,647	446,922,191	1,342,549,863	443,269,446	4,725,341,147
1969	2,320,947,545	444,188,679	1,461,399,937	461,206,039	4,687,742,200

TABLE 2. Mineral Production of Canada, by Provinces, 1967-69

Provinces	1967		1968		1969	
	Dollars	Per cent	Dollars	Per cent	Dollars	Per cent
Newfoundland	266,365,149	6.1	309,711,994	6.6	239,093,692	5.1
Prince Edward Island	2,605,806	0.1	976,742	0.0	1,050,000	0.0
Nova Scotia	77,226,142	1.8	56,927,553	1.2	54,175,233	1.2
New Brunswick ...	90,418,690	2.1	88,451,436	1.9	98,393,595	2.1
Quebec	734,141,939	16.7	728,783,871	15.4	720,067,082	15.4
Ontario	1,194,545,248	27.1	1,355,628,670	28.7	1,214,456,935	25.9
Manitoba	184,679,374	4.2	209,625,533	4.4	245,595,701	5.2
Saskatchewan	362,193,519	8.2	357,173,719	7.6	344,752,483	7.4
Alberta	973,326,938	22.1	1,091,749,049	23.1	1,193,279,802	25.4
British Columbia	379,986,091	8.6	389,311,009	8.2	422,765,745	9.0
Yukon	14,990,529	0.3	21,365,555	0.5	37,655,800	0.8
N.W. Territories	118,191,428	2.7	115,636,016	2.4	116,456,132	2.5
Totals	4,398,670,853	100.0	4,725,341,147	100.0	4,687,742,200	100.0

TABLE 3. Mineral Production of Canada, by Kinds, 1968 and 1969

		1968		1969	
		Quantity	Value	Quantity	Value
			dollars		dollars
<u>Metallics</u>					
Antimony	lb.	1,159,960	614,779	845,000	507,000
Bismuth	"	648,232	2,457,594	720,698	3,260,199
Cadmium	"	5,014,965	14,292,650	4,368,405	15,010,186
Calcium	"	468,512	450,946	888,361	925,831
Cobalt	"	4,029,549	8,687,652	3,203,947	6,921,780
Columbium (Cb ₂ O ₅)	"	2,181,304	2,036,315	3,010,356	2,925,698
Copper	"	1,266,625,187	607,944,415	1,116,455,909	574,193,275
Gold	troy oz.	2,743,021	103,439,321	2,502,169	94,331,773
Indium .....	"	..	..	..	..
Iron ore	ton	47,443,303	532,694,110	40,000,640	431,930,310
Iron, remelt	"	..	22,022,849	..	23,475,000
Lead	lb.	680,350,911	91,439,162	630,063,880	95,391,671
Magnesium	"	19,856,937	6,181,992	20,969,620	7,093,714
Mercury .....	"	..	..	..	..
Molybdenum	"	22,464,273	37,317,958	30,291,644	52,623,117
Nickel	"	528,716,212	528,235,798	426,650,432	482,412,858
Platinum group ...	troy oz.	485,891	46,199,718	266,100	26,449,000
Selenium	lb.	635,510	3,082,223	710,618	4,375,563
Silver	troy oz.	45,012,797	104,114,599	43,092,976	83,169,443
Tellurium	lb.	70,991	458,602	103,777	671,588
Thorium (ThO ₂)	"	139,191	261,836	29,014	55,127
Tin	"	358,191	497,885	268,000	493,120
Titanium ore	ton	-	-	-	-
Tungsten (WO ₃)	lb.	..	..	..	..
Uranium (U ₃ O ₈)	"	7,402,196	52,284,580	7,709,547	49,665,506
Yttrium (Y ₂ O ₃)	"	113,330	936,067	86,127	675,549
Zinc	"	2,318,784,367	326,948,596	2,392,581,968	364,390,237
Total metallics .....		...	2,492,599,647	...	2,320,947,545
<u>Non-metallics</u>					
Arsenious oxide	lb.	689,004	48,527	700,000	50,000
Asbestos	ton	1,595,951	185,024,662	1,596,450	196,759,000
Barite	"	138,059	1,262,687	141,392	1,419,568
Diatomite	"	521	17,159	487	11,340
Feldspar	"	10,620	243,678	11,743	309,123
Fluorspar	"	..	2,603,347	..	3,036,470
Gem stones	lb.	55,015	114,670	45,000	107,500
Grindstone	ton	-	-	-	-
Gypsum	"	5,926,940	11,825,382	6,871,971	13,433,102
Helium	mcf.	..	..	..	..
Iron oxides	ton	-	-	-	-
Lithia	lb.	-	-	-	-
Magnesian dolomite, brucite	ton	..	3,045,984	..	3,000,000
Mica	lb.	-	-	-	-
Nepheline syenite	ton	426,595	4,738,008	502,893	5,881,818

See footnotes at end of table.



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TABLE 3. Mineral Production of Canada, by Kinds, 1967 and 1968 - Concluded

		1968		1969	
		Quantity	Value	Quantity	Value
			dollars		dollars
<u>Non-metallics - Concluded</u>					
Nitrogen	Mcf.	..	..	..	..
Peat Moss	ton	293,628	8,658,194	314,100	8,717,000
Potash, (K ₂ O)	"	2,917,611	65,121,399	3,146,160	67,119,877
Pyrite, pyrrhotite	"	314,197	2,286,442	323,432	2,111,198
Quartz	"	2,554,565	5,703,746	2,263,594	5,853,623
Salt	"	4,864,324	31,170,092	4,247,170	29,424,420
Soapstone and talc(1) ...	"	80,589	1,080,654	81,427	1,191,213
Sodium sulphate	"	459,669	7,082,575	338,484	5,488,717
Sulphur, in smelter gas	"	666,370	8,915,202	550,804	8,221,795
Sulphur, elemental	"	2,580,746	79,963,600	2,984,937	62,986,315
Titanium dioxide, etc. ...	"	..	28,016,183	..	29,066,600
Total non-metallics ...		...	446,922,191	...	444,188,679
<u>Mineral fuels</u>					
Coal	ton	10,980,850	53,935,893	10,635,098	52,038,954
Natural gas	Mcf.	1,692,300,787	225,268,658	1,985,280,751	263,564,593
Nat. gas By-products	bbl.	..	126,057,696	..	135,566,258
Petroleum, crude	"	379,396,276	937,287,616	407,498,677	1,010,230,132
Total fuels .....		...	1,342,549,863	...	1,461,399,937
<u>Structural materials</u>					
Clay products (brick, tile, etc.) .....		...	48,721,444	...	50,995,351
Cement	ton	8,165,805	152,003,739	8,543,622	171,257,887
Lime	"	1,439,967	17,385,635	1,718,155	20,108,301
Sand and gravel	"	205,234,509	129,500,553	204,060,000	130,650,000
Stone	"	75,939,767	95,658,075	70,069,100	88,194,500
Total structural materials .....		...	443,269,446	...	461,206,039
Grand total .....		...	4,725,341,147	...	4,687,742,200

(1) Includes pyrophyllite.

.. Figures not available.

... Figures not appropriate or not applicable.

- Nil or zero.