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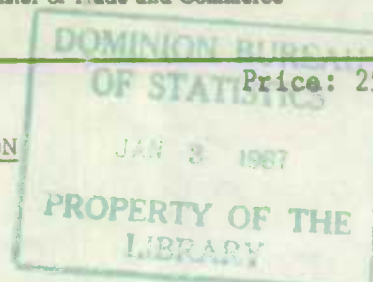
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CANADA'S MINERAL PRODUCTION (Preliminary Estimate) 1966



Canada's mineral shipments continued to rise during 1966. The total value exceeded \$4 billion according to an estimate prepared by the Dominion Bureau of Statistics, Ottawa. In the preceding year the value was \$3,744 million. The values of the leading mineral commodities were: crude petroleum \$793 million; copper \$464 million; iron ore \$419 million; nickel \$400 million; zinc \$285 million and natural gas \$199 million.

Shipments of metals, ores and concentrates were valued at \$1,995 million. Copper shipments exceeded 516,000 tons. Labor strikes adversely affected the output of nickel and magnesium. New mines aided in raising the output of molybdenum to more than double the volume of 1965. The price of lead and zinc weakened and the producers voluntarily reduced the output in the latter part of the year. Uranium declined but there were indications of stronger markets within a few years.

Nonmetallic minerals shipped during 1966 were valued at \$373 million, an increase of 14 per cent above the preceding year. Asbestos fibres were valued at nearly \$167 million which was \$20 million more than in 1965. Potash (K_2O equivalent) shipments from Saskatchewan mines exceeded 2 million tons in quantity and \$76 million in value. New shafts are being sunk in the potash deposits so the output of potash can be expected to continue to rise steeply. Sales of barite, gypsum, magnesitic dolomite, brucite, pyrite, quartz and salt were about the same level as in 1965. Lithia shipments were lower due to a labor strike. Elemental sulphur, mostly from sour natural gas reached a new high of about \$36 million.

Again the value of the fossil fuels exceeded \$1 billion, an increase of 8 per cent from the previous year. All of the western provinces produced more crude petroleum to raise the Canadian total to 321 million barrels. Natural gas which was utilized amounted to 1.5 trillion cubic feet. The by-products of natural gas processing plants which include propane, butane, etc were valued at \$99 million. Coal output remained unchanged.

Structural materials rose by 8 per cent to reach a value of \$469 million. Nearly 9 million tons of cement were shipped. Products made from domestic clay, which included brick, tile, flue linings, sewer pipe and pottery were valued at \$44 million. Sand and gravel used for roads, concrete aggregate, etc were worth \$147 million. Stone added nearly \$100 million to the mineral output.

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Industry Division

TABLE 1. Value of Mineral Production of Canada, by Classes, 1957-66

Year	Metals	Non- metals	Fossil fuels	Structural materials	Total
dollars					
1957	1,159,579,226	169,061,110	564,776,791	296,905,265	2,190,322,392
1958	1,130,160,395	150,354,802	510,768,681	309,455,160	2,100,739,038
1959	1,370,648,535	178,216,641	535,577,823	324,577,512	2,409,020,511
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	433,161,904	3,744,470,821
1966	1,995,188,595	373,888,500	1,165,144,750	469,618,517	4,003,840,362

TABLE 2. Mineral Production of Canada, by Provinces, 1964-66

Province	1964		1965		1966	
	Dollars	Per cent	Dollars	Per cent	Dollars	Per cent
Newfoundland	182,152,656	5.4	207,557,627	5.5	241,863,438	6.0
Prince Edward Island	831,283	0.1	599,387	0.1	871,288	0.1
Nova Scotia	66,073,596	2.0	70,771,827	1.9	77,301,086	1.9
New Brunswick ...	48,676,712	1.4	82,158,352	2.2	89,371,139	2.2
Quebec	684,583,430	20.2	715,900,973	19.1	770,456,548	19.2
Ontario	901,582,694	26.6	992,788,746	26.5	964,534,072	24.1
Manitoba	173,872,576	5.1	181,865,972	4.8	182,038,399	4.5
Saskatchewan	292,373,974	8.6	328,167,375	8.8	366,452,802	9.2
Alberta	735,896,463	21.7	794,170,720	21.2	871,349,673	21.8
British Columbia	268,659,305	7.9	279,632,889	7.5	315,846,393	7.9
Yukon	15,204,103	0.5	13,400,535	0.3	11,346,844	0.3
N.W. Territories	18,064,742	0.5	77,456,418	2.1	112,408,680	2.8
Totals	3,387,971,534	100.0	3,744,470,821	100.0	4,003,840,362	100.0

TABLE 3. MINERAL PRODUCTION OF CANADA, BY KINDS, 1965 AND 1966

		1965		1966	
		Quantity	Value	Quantity	Value
		dollars		dollars	
<u>Metallics</u>					
Antimony	lb.	1,301,787	689,947	1,351,210	662,093
Bismuth	"	428,759	1,195,472	754,872	3,019,488
Cadmium	"	1,755,925	4,881,471	2,006,237	4,814,969
Calcium	"	159,434	152,848	268,000	254,600
Cobalt	"	3,648,332	7,529,143	3,427,926	7,404,276
Columbium (Cb ₂ O ₅)	"	2,333,967	2,528,051	2,600,000	3,150,000
Copper	"	1,015,753,279	380,951,781	1,033,392,165	463,993,082
Gold	troy oz.	3,606,031	136,051,943	3,295,818	124,354,130
Indium .....	"	..	..	..	..
Iron ore	ton	39,958,936	413,064,861	40,497,195	419,107,777
Iron, remelt	"	384,520	18,171,713	355,311	16,895,216
Lead	lb.	583,614,989	90,460,323	597,921,269	89,329,437
Magnesium	"	20,216,369	6,067,057	13,572,911	3,868,280
Mercury	"	1,520	12,301	-	-
Molybdenum	"	9,557,191	16,730,792	21,492,909	33,176,257
Nickel	"	518,364,019	430,402,105	468,121,061	399,735,582
Platinum, group ..	troy oz.	463,127	36,109,799	385,741	31,231,607
Selenium	lb.	512,077	2,483,573	521,163	2,872,484
Silver	troy oz.	32,272,464	45,181,450	33,341,751	46,645,109
Tellurium	lb.	69,794	453,661	78,900	504,100
Thorium .....	"	..	..	..	..
Tin	lb.	377,207	725,554	733,584	1,335,123
Titanium ore	ton	-	-	-	-
Tungsten (WO ₃)	lb.	3,836,324	3,115,909	3,973,000	3,226,910
Uranium (U ₃ O ₈)	lb.	8,885,213	62,361,377	7,643,813	54,345,000
Yttrium	lb.	..	..	..	..
Zinc	"	1,644,070,657	248,254,768	1,889,159,454	285,263,075
Total metallics .....		...	1,907,575,899	...	1,995,188,595
<u>Non-metallics</u>					
Arsenious oxide	lb.	403,011	13,150	450,000	15,750
Asbestos	ton	1,388,212	146,188,473	1,491,916	166,936,725
Barite	"	203,025	2,167,006	213,854	2,011,300
Diatomite	"	82	4,420	326	6,400
Feldspar	"	10,904	252,868	15,900	397,500
Fluorspar	"	..	2,677,443	..	2,191,350
Gemstones	lb.	71,129	16,355	57,000	19,000
Graphite	"	-	-	-	-
Grindstone	ton	5	1,000	5	1,500
Gypsum	"	6,305,629	12,533,384	5,981,929	12,402,956
Helium	Mcf	..	..	..	..
Iron oxides	ton	309	13,879	300	14,000
Lithia	lb.	1,013,565	1,141,426	244,063	258,794
Magnetitic dolomite(1)	ton	77,774	4,010,927	..	3,928,158

See footnotes at the end of the tables.

Preliminary Estimate

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TABLE 3. MINERAL PRODUCTION OF CANADA, BY KINDS, 1965 AND 1966 - Concluded

		1965		1966	
		Quantity	Value	Quantity	Value
		dollars		dollars	
<u>Non-metallics - Concluded</u>					
Mica	lb.	547,611	25,414	339,800	14,082
Nepheline syenite	ton	339,982	3,415,387	366,422	4,069,317
Nitrogen	Mcf	..	..	..	..
Peat Moss	ton	287,845	8,982,979	270,365	7,336,407
Phosphate	"	5	172	-	-
Potash, (K ₂ O)	"	1,491,301	55,970,527	2,045,000	76,670,000
Pyrite, pyrrhotite ...	"	382,177	1,285,252	324,228	1,102,205
Quartz	"	2,433,685	5,123,942	2,261,571	5,471,914
Salt	"	4,584,096	23,985,844	4,328,245	23,162,763
Soapstone and talc(2)	"	52,837	762,302	67,148	994,820
Sodium sulphate	"	345,469	5,527,281	301,940	4,748,400
Sulphur, in smelter gas	"	444,758	4,317,362	470,467	4,644,062
Sulphur, elemental ...	"	2,068,394	26,394,595	1,980,716	35,875,487
Titanium dioxide, etc.	"	410,255	22,425,094	395,523	21,615,610
Total non-metallics		...	327,238,901	...	373,888,500
<u>Fossil fuels</u>					
Coal	ton	11,588,616	75,901,126	11,300,000	73,060,000
Natural gas	mcf.	1,445,354,494	186,625,459	1,547,802,000	199,251,050
Nat. gas By-products	bbl.	..	92,377,863	..	99,252,000
Petroleum, crude	"	292,308,205	721,589,669	321,417,200	793,581,700
Total fuels .....		...	1,076,494,117	...	1,165,144,750
<u>Structural materials</u>					
Clay products (brick, tile, etc.) .....		...	42,980,367	...	44,809,169
Cement	ton	8,357,702	141,523,169	8,972,139	157,900,645
Lime	"	1,620,404	20,134,308	1,546,428	19,634,088
Sand and gravel	"	205,260,264	133,819,824	209,132,359	147,624,686
Stone	"	76,758,105	94,847,021	79,836,742	99,649,929
Total structural materials .....		...	433,161,904	...	469,618,517
Grand total .....		...	3,744,470,821	...	4,003,840,362

(1) Includes brucite.

(2) Includes pyrophyllite.

.. Figures not available.

... Figures not appropriate or not applicable.

- Nil or zero.