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PRELIMINARY ESTIMATE OF CANADA'S MINERAL PRODUCTION
1954

Note: This information not to be released until January 4, 1955

New records were established by the mineral industry in Canada during 1954 when the value of production reached \$1,454,000,000 according to a preliminary estimate prepared by the Dominion Bureau of Statistics at Ottawa. There was a gain of nearly \$118 millions or 8.8 per cent over the \$1,336 millions of preceding year. The total value in 1954 was treble that of 1944. All of the provinces showed greater mineral values than in 1953. Each of the classifications, metals, non-metallics, fuels, and structural materials, reached new highs in total values. Crude petroleum increased by \$45 millions, copper was up \$23 millions, nickel increased nearly \$20 millions and asbestos gained \$7 millions. The darker side of the picture showed a decline of \$7 millions for each of coal and zinc.

Metals produced in 1954 were valued at \$763 millions an increase of 7.6 per cent over \$709 millions in 1953. Gold production of 4,280,000 ounces valued at \$145.8 millions was higher although the price per ounce was less than in 1953. The settlement of strikes in the earlier part of the year permitted the mines to resume production. The production of nearly 300,000 tons of copper was encouraged by the demand which maintained the price at a fairly high level. Nickel production of 160,000 tons valued at \$180 millions was 11.5 per cent higher in tonnage. Lead increased from 194,000 tons to 221,000 tons the latter quantity was valued at \$59 millions. The volume of zinc declined from 402,000 tons to 374,000 tons and decreased in value to \$89 millions. Iron ore shipped amounted to 7.3 million tons a new high in Canadian output. Shipments from the new iron mines in New Quebec and Labrador counterbalanced the lessened exports to steel plants in the Great Lakes area. Silver a by-product of many non-ferrous metal mines increased by 3 million ounces. Platinum group metals value amounted to \$20 millions.

Mineral fuels were valued at \$354.7 millions, an increase of nearly 13 per cent over the \$314.2 millions in 1953. Crude petroleum continued to lead all other minerals in value of production. The output was over 95 million barrels valued at \$246 millions. Alberta increased the production by 11 million barrels, but the greatest percentage gain was shown by Manitoba with an output of 2 million barrels which was treble the previous year's production. The natural gas volume was up 20 billion cubic feet to 122.8 million M.cu.ft. The conversion of coal burning equipment by railroads and industry have adversely affected the coal mining industry. In 1954 the coal output was 14,825,000 tons which was down a million tons from the preceding year. Coal production has declined 22.5 per cent from the high of 19.1 million tons in 1950.

The value of other non-metallic minerals was \$136.6 millions. The greater portion of this was derived from the sales of 966,900 tons of asbestos valued at \$93 millions, a new high in tonnage and value. Salt and sulphur increased in total value and there was a greater tonnage of fluorspar and sodium sulphate shipped. Shipments of barite, gypsum, soapstone and talc were approximately the same as in the preceding year.

Structural materials approximated \$200 millions in value. Cement shipments of 22.5 million barrels was 300,000 barrels more than in 1953. The value of brick, tile, pottery, etc., was \$31.5 millions an increase of 5.7 per cent. Sand and gravel used for roads, concrete aggregate etc. totalled \$56.9 millions. The tonnage of stone increased disproportionately in 1954 due to the large volume used in the construction of the Canso causeway. Stone used for buildings, ballast, concrete aggregate, highways, etc. was valued at \$37.2 millions.

Table 1 - VALUE OF MINERAL PRODUCTION OF CANADA, BY CLASSES, 1945-1954

| Year | Metallics | Mineral fuels | Other non- metallics | Clay products and other structural materials | T O T A L |
|------------|-------------|------------------|-------------------------|---|---------------|
| (dollars) | | | | | |
| 1945 | 316,962,810 | 93,531,276 | 39,841,422 | 48,419,673 | 498,755,181 |
| 1946 | 290,386,425 | 102,516,888 | 43,792,717 | 66,120,221 | 502,816,251 |
| 1947 | 395,069,530 | 110,481,207 | 54,742,453 | 84,576,785 | 644,869,975 |
| 1948 | 488,151,055 | 159,736,260 | 67,234,304 | 105,127,246 | 820,248,865 |
| 1949 | 538,967,258 | 183,654,473 | 64,585,216 | 113,903,079 | 901,110,026 |
| 1950 | 617,238,340 | 201,193,957 | 94,721,564 | 132,296,212 | 1,045,450,073 |
| 1951 | 745,588,728 | 232,854,093 | 115,706,983 | 151,333,791 | 1,245,483,595 |
| 1952 | 727,904,366 | 263,582,319 | 125,047,050 | 168,808,618 | 1,285,342,353 |
| 1953 | 708,880,758 | 314,181,168 | 126,039,359 | 187,202,218 | 1,336,303,503 |
| 1954 | 763,428,741 | 354,756,700 | 136,625,426 | 199,385,593 | 1,454,196,460 |

Table 2 - MINERAL PRODUCTION OF CANADA, BY PROVINCES, 1952-1954

| Province | 1 9 5 2 | | 1 9 5 3 | | 1 9 5 4 | |
|-------------------------------|---------------|-------------|---------------|-------------|---------------|-------------|
| | \$ | Per cent | \$ | Per cent | \$ | Per cent |
| Newfoundland | 32,512,313 | 2.5 | 33,780,622 | 2.5 | 44,868,679 | 3.1 |
| Nova Scotia | 64,552,383 | 5.0 | 67,364,408 | 5.0 | 75,121,224 | 5.1 |
| New Brunswick | 11,298,960 | 0.9 | 11,663,618 | 0.9 | 12,514,857 | 0.9 |
| Quebec | 270,483,962 | 21.0 | 251,881,781 | 18.8 | 275,140,830 | 18.9 |
| Ontario | 444,669,412 | 34.6 | 465,877,093 | 34.9 | 484,992,796 | 33.4 |
| Manitoba | 25,105,045 | 2.0 | 25,264,112 | 1.9 | 34,952,541 | 2.4 |
| Saskatchewan | 49,506,094 | 3.9 | 48,081,970 | 3.6 | 56,977,794 | 3.9 |
| Alberta | 196,811,654 | 15.3 | 248,863,295 | 18.6 | 281,461,638 | 19.4 |
| British Columbia . | 170,071,244 | 13.2 | 158,487,812 | 11.9 | 161,309,212 | 11.1 |
| Northwest Territories (*). | 8,944,835 | 0.7 | 10,300,230 | 0.8 | 10,548,781 | 0.7 |
| Yukon | 11,386,451 | 0.9 | 14,738,562 | 1.1 | 16,308,108 | 1.1 |
| TOTAL | 1,285,342,353 | 100.0 | 1,336,303,503 | 100.0 | 1,454,196,460 | 100.0 |

(*) Excluding pitchblende products.

Table 3 - MINERAL PRODUCTION OF CANADA, BY KINDS, 1953 and 1954

| Unit of measure | 1 9 5 3 | | 1 9 5 4 | | |
|----------------------------|----------|-------------|-------------|-------------|-------------|
| | Quantity | Value | Quantity | Value | |
| <u>Metallics</u> | | | | | |
| Antimony | lb. | 1,488,105 | 291,862 | 1,201,000 | 321,150 |
| Bismuth | lb. | 117,366 | 209,557 | 272,700 | 583,174 |
| Cadmium | lb. | 1,118,285 | 2,236,570 | 1,027,221 | 1,746,276 |
| Cobalt | lb. | 1,602,545 | 4,013,077 | 2,181,900 | 5,593,200 |
| Copper | lb. | 506,504,074 | 150,953,742 | 599,851,280 | 174,139,274 |
| Gold | fine oz. | 4,055,723 | 139,597,985 | 4,279,852 | 145,814,558 |
| Indium | fine oz. | 6,752 | 9,588 | - | - |
| Iron ore | ton | 6,509,818 | 44,102,944 | 7,280,256 | 46,758,382 |
| Iron ingots | ton | 107,370 | 4,064,039 | 90,885 | 2,939,144 |
| Lead | lb. | 387,411,588 | 50,076,822 | 442,542,820 | 58,990,957 |
| Magnesium and calcium .. | ... | ... | 5,295,840 | ... | 4,576,024 |
| Molybdenite (MoS2) | lb. | 323,907 | 215,527 | 875,000 | 534,000 |
| Nickel | lb. | 287,385,777 | 160,430,098 | 319,983,340 | 180,196,300 |
| Palladium, iridium, etc. | fine oz. | 166,018 | 7,495,409 | 176,528 | 7,494,809 |
| Platinum | fine oz. | 137,545 | 12,550,981 | 149,145 | 12,505,758 |
| Selenium | lb. | 262,346 | 1,101,854 | 368,800 | 1,844,000 |
| Silver | fine oz. | 28,299,335 | 23,774,271 | 31,541,757 | 26,261,667 |
| Tellurium | lb. | 4,694 | 8,215 | 7,200 | 12,600 |
| Tin | lb. | 1,092,228 | 581,746 | 390,000 | 226,200 |
| Titanium ore | ton | 9,294 | 80,085 | 7,500 | 17,312 |
| Tungsten (WO3) | lb. | 2,446,028 | 5,689,160 | 2,000,732 | 3,596,387 |
| Zinc | lb. | 803,523,295 | 96,101,386 | 747,718,334 | 89,277,569 |
| Total Metallics | ... | ... | 708,880,758 | ... | 763,428,741 |
| <u>Non-metallics</u> | | | | | |
| <u>Fuels</u> | | | | | |
| Coal | ton | 15,900,673 | 102,721,875 | 14,825,000 | 96,078,000 |
| Natural gas | M cu.ft. | 100,985,923 | 10,877,017 | 122,854,500 | 12,683,200 |
| Peat | ton | - | - | - | - |
| Petroleum, crude | bbl. | 80,898,897 | 200,582,276 | 95,480,100 | 245,995,500 |
| Total Fuels | ... | ... | 314,181,168 | ... | 354,756,700 |
| <u>Other Non-metallics</u> | | | | | |
| Arsenious oxide | lb. | 1,403,740 | 56,150 | 443,900 | 18,800 |
| Asbestos | ton | 911,226 | 86,052,895 | 966,883 | 93,079,931 |
| Barite | ton | 247,227 | 2,220,292 | 222,519 | 2,160,469 |
| Diatomite | ton | 103 | 12,150 | 104 | 12,168 |
| Feldspar | ton | 21,246 | 347,164 | 15,439 | 307,741 |
| Fluorspar | ton | 88,569 | 2,670,585 | 120,078 | 3,011,938 |
| Graphite | ton | 3,466 | 366,528 | 1,626 | 165,000 |
| Grindstones | ton | 15 | 900 | 15 | 2,100 |
| Gypsum | ton | 3,841,457 | 7,399,884 | 3,957,268 | 7,054,036 |



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Table 3 - MINERAL PRODUCTION OF CANADA, BY KINDS, 1953 and 1954 (CONCLUDED)

| Unit of measure | 1953 | | 1954 | |
|---|-------------|---------------|-------------|---------------|
| | Quantity | Value \$ | Quantity | Value \$ |
| <u>Other Non-metallics</u> (Concluded) | | | | |
| Iron oxides ton | 10,308 | 195,801 | 5,799 | 181,073 |
| Magnesitic-dolomite and brucite * | ... | 3,056,392 | ... | 4,008,678 |
| Mica lb. | 2,265,128 | 161,128 | 1,503,229 | 90,479 |
| Mineral waters gal. | 309,585 | 165,484 | 310,000 | 165,150 |
| Nepheline syenite .. ton | 113,345 | 1,576,271 | 120,484 | 1,740,000 |
| Peat moss ton | 81,654 | 2,643,019 | 87,257 | 2,986,961 |
| Perlite ton | 1,112 | 11,120 | - | - |
| Quartz ton | 1,785,574 | 2,070,617 | 1,742,951 | 1,589,254 |
| Salt ton | 954,928 | 6,974,501 | 962,458 | 8,506,929 |
| Silica brick M | 3,720 | 712,271 | 2,143 | 474,635 |
| Soapstone and talc . ton | 27,408 | 285,755 | 25,691 | 301,958 |
| Sodium sulphate ton | 115,565 | 1,681,258 | 165,521 | 2,547,586 |
| Sulphur ton | 358,850 | 3,172,698 | 503,237 | 4,540,463 |
| Titanium dioxide ... ton | 100,527 | 4,206,496 | 82,386 | 3,680,077 |
| Total Other Non- metallics | ... | 126,039,359 | ... | 136,625,426 |
| <u>Clay Products and Other Structural Materials</u> | | | | |
| Clay products (brick, tile, etc.) | ... | 29,777,731 | ... | 31,520,243 |
| Cement bbl. | 22,238,335 | 58,842,022 | 22,552,788 | 59,405,097 |
| Lime ton | 1,228,760 | 14,484,013 | 1,217,343 | 14,333,152 |
| Sand and gravel ton | 101,033,949 | 53,485,401 | 105,430,550 | 56,884,521 |
| Stone ton | 19,849,017 | 30,613,051 | 34,212,319 | 37,242,580 |
| Total Clay Products and Other Structural Materials | ... | 187,202,218 | ... | 199,385,593 |
| GRAND TOTAL | ... | 1,336,303,503 | ... | 1,454,196,460 |

* Includes some magnesium metal.

Note: The above figures do not include data for pitchblende products.