

CANADA—DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH

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# MINERAL PRODUCTION OF CANADA

DURING THE SIX MONTHS ENDING

JUNE, 1932

(With Revised Statistics for the Calendar Year 1931)

Published by Authority of the Hon. H. H. Stevens, M.P.,  
Minister of Trade and Commerce



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**Non-Metals**—Abrasives—Asbestos—Coal—Feldspar—Gypsum—Iron Oxides—Mica—Natural Gas—Petroleum—Quartz—Salt—Talc and Soapstone—Miscellaneous Non-Metallic Minerals including Actinolite, Barytes, Bituminous Sands, Fluorspar, Graphite, Magnesite, Bog Manganese, Mineral Waters, Phosphate, Silica Brick, Sodium Carbonate, Sodium Sulphate, Sulphur (Pyrites).

**Structural Materials**—Cement—Clay and Clay Products—Lime—Sand and Gravel—Stone.

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## PREFACE

The present statistical report on the Canadian production of metals, fuels and non-metallic minerals is issued in continuance of a half-yearly series which is designed to give a picture of the progress of the Canadian mining industry for the first six months of the year. In addition, final figures of Canada's mineral production for the previous year are given in tabular form. Except for stone production the final statistics are not greatly different from those issued in the preliminary report in April. It is very difficult to obtain complete figures on stone and sand and gravel early in the year and estimates must necessarily be made.

Data which have been assembled indicate the effect of the lower prices for silver and base metals and the falling off in demand for fuels and non-metallics, while on the other hand the rate of gold production has never before been as great. The continuous operations of many of the old established mining and smelting companies in these times demonstrate the firm foundations on which they were established.

As in former years, the Bureau has continued to co-operate with the provinces of Nova Scotia, New Brunswick, Saskatchewan, Alberta and British Columbia in the collection of coal statistics. Co-operative collection of general mineral production reports for the joint use of the Bureau and the provincial governments of Quebec, Ontario, Manitoba and British Columbia has also been continued on a mutually satisfactory basis. The Bureau desires to acknowledge its indebtedness in this respect and to thank the several provincial governments and other Dominion departments for the valuable assistance rendered from time to time in connection with this report on the mining industry in Canada.

The cordial thanks of the Bureau are tendered to mine and smelter operators, to the Department of the Interior, to the federal Department of Mines, and to the Royal Canadian Mint for assistance given and information made available. The railway and other transportation companies, as well as smelter operators outside of Canada, have also furnished data, the receipt of which is gratefully acknowledged.

This report has been prepared under the direction of Mr. W. H. Losee, B.Sc., chief of the Mining, Metallurgical and Chemical Branch, by Mr. R. J. McDowall, B.Sc., and Mr. B. R. Hayden.

R. H. COATS,  
*Dominion Statistician.*

DOMINION BUREAU OF STATISTICS,  
Ottawa, August 30, 1932.



## DOMINION BUREAU OF STATISTICS

R. H. COATS, B.A., F.S.S. (Hon). F.R.S.C., Dominion Statistician

W. H. LOSEE, B. Sc., Chief of the Mining, Metallurgical and Chemical Branch

# PRELIMINARY REPORT ON THE MINERAL PRODUCTION OF CANADA DURING THE SIX MONTHS ENDING JUNE 30, 1932

Production of metals, fuels and non-metals in Canada reached a total value of \$83,384,705 during the first six months of 1932 as compared with a total of \$95,689,288 during the same period of 1931, a decline of 12.9 per cent. The decrease was caused by the lower prices prevailing for the base metals, and the lessened demand for nearly all mineral products except gold which metal is the monetary measure of all other values, so that at the present time a fixed weight of gold exchanges for a larger amount of other commodities than formerly; consequently gold is more desirable than in other recent years, and we find Canada at the present time producing gold at a greater rate than ever before. In addition, prospecting for gold is greatly stimulated and the probabilities are that the results of the intensified field work of the present summer will be beneficially felt in the next few years.

The half-yearly report on Canada's mineral production does not include figures for clay products, cement, lime, stone and sand and gravel. Production of these materials during the first six months is much less than during the latter half of the year and any published figures would not be representative of half the output of this group.

### METALS

The total value of metals produced during the period amounted to \$54,092,915 as compared with \$61,717,841 during the first six months of 1931. Copper, lead, zinc, nickel, and the platinum group metals all showed reduced outputs but gold production at 1,496,078 fine ounces worth \$30,926,083, when calculated at the standard rate of \$20.671834, was greater than ever before for a similar period. The value of the gold produced was greater than the combined value of all the other metals, and in addition the gold mines of Canada received some \$3,417,443 in premium payments due to the present exchange situation. Many of the older gold mines have improved and enlarged both mining and milling facilities to such an extent that production by them is showing a distinct increase and in addition several new properties have either started actual production or will be producing before the end of the present year.

Ontario with an output of 1,127,801 fine ounces worth \$23,313,715 produced 75 per cent of the total for the Dominion. Kirkland Lake was the leading camp with an output of 580,054 ounces as against 507,532 ounces during the period January to June, 1931. Porcupine produced 502,228 ounces as compared with 457,761 last year. The remainder of the provincial output was from the Howey in the Red Lake district, from Sudbury copper-nickel ores and from smaller properties in various parts of the province. Prospecting for gold has been quite active during the present season, and at the Ashley property in Bannockburn township it is expected that gold will be produced early in the autumn. Activity in Quebec was equally as marked. The Noranda mine has been able to decrease its copper production and increase its gold output. Granada and Siscoe produced steadily during the period; the Beattie gold mines operated jointly by the Nipissing Mining Company of Cobalt and Ventures Limited, proceeded with the erection of a 600 ton mill; the Treadwell Yukon is constructing a test milling plant for treating development ore on their Bussiére property in the Pascalis district; and the mill at the O'Brien-Cadillac gold mine which has been completed is expected to start production in August. Encouraging results are also being reported from other prospects which are under development. Gold production



in British Columbia totalled 89,685 fine ounces worth \$1,853,953, an increase of 29 per cent over last year. Both lode and placer gold outputs were higher but owing to the reduction in the output of copper ores gold production from this latter source was less. The Premier mine is the largest gold producer in the province, the Pioneer, second in importance, showed an increase over last year. The Bralorne is a new producer. The Reno mill was destroyed by fire last February and the company has purchased the Motherlode mine and mill. Ore from the Reno mine will be transported by tram some 12,500 feet to the Motherlode mill. Manitoba output of gold also showed an increase from 52,788 fine ounces to 56,732 fine ounces; a large part of this is recovered with the blister copper made at the Flin Flon smelter. Output was steady at Central Manitoba; the San Antonio, a new mine, came into production in May and the Cryderman property also reported an initial production in the same month. Results of diamond drilling in the Island Lake district of the province are reported as encouraging. Yukon production was slightly greater than last year but only a small amount was recovered from Nova Scotia ores.

Silver production totalled 9,451,611 fine ounces as against 11,701,718 during the first half of 1931. The output from British Columbia mines, principally the Sullivan and the Premier, totalled 3,699,652 ounces as against 4,382,239 last year. Ontario produced 3,377,700 fine ounces, a drop of 13.5 per cent from 1931. The Yukon contributed 1,466,404 fine ounces; Manitoba, 572,649 fine ounces and Quebec, 335,186 fine ounces. The low price for this metal was responsible for the closing down of several mines in the Dominion, particularly in the old Cobalt camp.

Since the last half-yearly report was written, another promising source of silver in Canada has been discovered. A deposit of high-grade silver-radium ore was located at Echo Bay on Great Bear Lake in the North West Territories. During the present season hand sorted silver ore will be sent out to the smelter. In addition the Canadian Department of Mines' chemical and metallurgical staff has been developing a process for the recovery of the radium from these ores. A plant is now being built at Port Hope, Ontario, by Eldorado Gold Mines Limited, to treat these ores for the recovery of this rare element. As a result of the finds during 1931 many prospecting parties are in the Great Bear Lake field during the present season.

Copper production during the period declined considerably on account of the low prices which prevailed. Output totalled 129,206,453 pounds worth \$8,235,826 as against 149,277,041 pounds worth \$13,705,822 during the corresponding period of 1931. Much credit is due the personnel of the copper mining companies who have made every effort to cut costs and continue operations notwithstanding the lowest prices in the commercial history of the metal. The Granby Company's mines at Anyox, and the Britannia mine on Howe Sound, are the chief producers on the Pacific slope. Britannia concentrates were shipped to Tacoma; blister copper from Anyox is sold to United States refineries. The 4 cents per pound duty imposed on copper entering the United States may have a serious effect on the output from British Columbia copper mines unless other markets can be secured. However, it is rather difficult to predict the outcome at the present time. In Manitoba, the Flin Flon smelter operated continuously on Flin Flon and Sherritt Gordon ores but the management of the latter mine found it necessary to close down in June and await improvement in copper prices. Ontario copper production totalled 42,333,941 pounds as against 65,777,279 pounds during the first six months of 1931 and was derived from the nickel-copper ores of the Sudbury district. The International Nickel Company produces blister copper at Copper Cliff. This is refined in close proximity to the smelter by the Ontario Refining Company Limited, a company jointly owned by the International Nickel Company, the American Metal Company, and the Consolidated Mining and Smelting Company. Blister copper made at Flin Flon, Manitoba, from Sherritt Gordon ores was also refined by this company. The Falconbridge nickel-copper matte is exported to Norway for further treatment. In Quebec, Noranda produced copper steadily though at a reduced rate and at the same time increased the gold output. Blister copper from Noranda is refined by the Canadian Copper Refineries Limited, at Montreal East. The Eustis mine continued to export copper concentrates during the period.

Nickel production at 21,162,786 pounds showed a decrease of 48 per cent when compared with the same period during 1931. Much research work has been done during recent years in developing new uses for this metal but the general business conditions prevailing at the present time are reflected in the marked falling-off in output.

British Columbia is Canada's chief lead producing province and the Sullivan mine which is owned by the Consolidated Mining and Smelting Company Limited is the main source. Small

amounts are recovered in foreign smelters from Premier and Britannia mine ores. The silver-lead properties of the Treadwell Yukon Company in the Yukon Territory contribute annually to the Dominion total; the low prices prevailing for these two metals and the long haul to the smelter have rendered profitable operations by this company increasingly difficult and only the highest grade of ore can now be shipped. A small amount of lead is recovered with silver-lead-bismuth bullion which is shipped to United States smelters by an Ontario company smelting silver-cobalt ores. Production of lead in Canada during the period totalled 127,699,578 pounds, a drop of 13 per cent when compared with the first six months of 1931.

Zinc is recovered principally from the Sullivan mine ores in British Columbia and from Flin Flon and Sherritt Gordon ores in Manitoba. British Columbia's production totalled 68,496,549 pounds as against 115,971,064 pounds during the first half of 1931, while Manitoba showed an increase to 20,568,600 pounds from 17,708,712 for corresponding periods.

Production of platinum, palladium and other metals of this group was valued at \$1,363,865. Refining of practically all the Canadian output of these metals (which occur with the nickel-copper ores of Ontario) is carried on by the International Nickel Company at Acton near London, England. Arsenic output was less than during 1931. Cadmium was reported from Manitoba for the first time. Bismuth, in silver-lead-bismuth bullion exported was greater than last year; cobalt in ores exported, in metallic form and in the form of oxide was less in both quantity and value.

## FUELS

The Canadian coal production during the first six months of 1932 declined 4 per cent to a total of 5,655,801 tons as compared with 5,891,588 tons produced in the corresponding period of 1931. New Brunswick's output advanced 6.8 per cent to 101,008 tons, Saskatchewan's production rose 41.0 per cent to 377,608 tons; and Alberta's 10.7 per cent to 2,193,177 tons. Nova Scotia mines showed an output decline of 20 per cent to 2,094,840 tons and British Columbia mines 4.3 per cent to 887,946 tons.

Imports during the period amounted to 4,390,878 tons or 18.2 per cent below the total for the first six months of the previous year. Receipts of anthracite coal were recorded at 1,263,276 tons, made up of 849,358 tons from the United States, 407,575 tons from Great Britain, 5,693 tons from Germany and 650 tons from Belgium. Imports of anthracite coal from the United States during the period declined 26.2 per cent, while Great Britain anthracite coal brought into Canada increased 27.5 per cent. During May and June Great Britain supplied 55.2 per cent of the Canadian imports of anthracite coal. Bituminous coal importations into Canada decreased 19.3 per cent to 3,125,875 tons as compared with 3,875,792 tons in the six months ending June, 1931. Exports of Canadian coal declined 21.5 per cent to 132,961 tons from the total for the corresponding months of 1931.

Shipments of peat from the St. Hyacinthe bog in Quebec amounted to 31 tons as compared with 660 tons during the six months ending June 30, 1931.

A considerable decline was recorded in the output of natural gas in Canada during the period January to June, 1932. This falling-off was due principally to decreased production in the Turner Valley field in Alberta. Output during the period totalled 14,518,385 thousand cubic feet of which Alberta produced 66.4 per cent, Ontario 30.6 per cent, and New Brunswick 3.0 per cent. In June, a new well with an estimated flow of 11,000 thousand cubic feet was brought into production in the Viking field, Alberta.

Petroleum production in Canada amounted to 570,141 barrels as against 937,779 barrels in the first half of 1931. Decreased production in the Turner Valley field, Alberta, due to lessened demand for crude naphtha and to natural gas conservation regulations introduced by the provincial government, was responsible for the decline in the Canadian petroleum output. Oil in storage at the Turner Valley field on December 31, 1931, totalled 41,255 barrels; on June 30, 1932, approximately 16,500 barrels of oil remained in storage. The announcement on April 22nd of increased prices for crude naphtha and crude oil in Alberta was an interesting feature of the period. Reports in circulation during the period indicated that the Fort Norman oil wells in the North West Territories will be put in operation this year to produce engine fuel for the use of operating companies in the Great Bear Lake mining field.

## NON-METALS

The value of non-metal production totalled \$3,848,305 as compared with \$5,313,580 during the first six months of 1931. Among the principal non-metallic minerals in which increases in output occurred were: diatomite, bituminous sands, iron oxides, magnesite, salt, sulphur, and volcanic dust and talc but the quantity of asbestos, feldspar, graphite, gypsum, mica, mineral waters, and sodium sulphate was less.

Asbestos sales dropped from \$2,447,617 during the first six months of 1931 to \$1,356,851 during the corresponding period of 1932.

Gypsum is produced in Nova Scotia, New Brunswick, Ontario, Manitoba and British Columbia. Production for these provinces during the period under review totalled 143,108 tons worth \$681,600 as against 293,131 tons valued at \$992,418 for the same period last year.

Salt production, including salt in brine produced by chemical companies, totalled 127,677 tons worth \$956,280, a gain of 10 per cent in quantity and 5 per cent in value over the first six months of 1931. Magnesite output increased 19 per cent in quantity and 10 per cent in value; production for the period was 5,890 tons worth \$149,129.

Sulphur output in Canada is computed as the estimated quantity of sulphur in sulphuric acid made in British Columbia and Ontario from waste smelter gases together with the sulphur contained in pyrites concentrates shipped. Several Canadian copper properties are now shipping an iron pyrites concentrate which is largely obtained as a by-product in treating copper ores. Production totalled 31,097 tons valued at \$276,420 as against 14,431 tons worth \$123,958 last year.

Feldspar and mica production showed a marked falling off from last year. Exports of feldspar totalled 1,705 tons as against 4,150 tons during the first six months of 1931. With grinding mills situated at Buckingham, Quebec and Kingston, Ontario, the Canadian demand for ground feldspar can be readily supplied. A mica grinding mill in Quebec can also supply the Canadian market for ground mica.

Talc production was 9 per cent greater than last year though the value was slightly less.

## PRICES

The low prices for silver and the base metals have seriously affected Canada's metal mining industry. Many mines carried on for a time in the hope that an improvement in prices would take place; unfortunately during the first six months of the present year no encouragement was in evidence and several properties were forced to suspend operations or curtail output. Silver at the average price of 28·874 cents, New York market, showed very little change from last year. Copper averaged 5·789 cents per pound in New York as against 9·250 cents during the first six months of 1931. The average quotation for lead in London during the period under review was £12·249 per long ton as compared with £12·649 during the first six months of the previous year. Zinc averaged £12·759 per long ton as against £11·724 for the first half of 1931. The average price for zinc on the St. Louis market for the first six months of 1932 was 2·775 cents per pound as compared with 3·748 cents during the same period of 1931.

When transposed to Canadian funds the average prices during the period under review for these metals were as follows: silver, 32·8853 cents per fine ounce; copper, 6·6004 cents per pound; lead, 2·2334 cents per pound and zinc, 2·3303 cents per pound. Silver and copper prices were based on the New York market and lead and zinc on the London market.

## EMPLOYMENT

Monthly records of employment are collected by the Bureau and issued in the form of index numbers based on the monthly average for the calendar year 1926=100. On this basis general mining during the half-year ending June, 1932, stood at 99·3 as against 107·4 during the first six months of 1931. Coal mining showed an average employment index of 90·9 as compared with 95·8 in the first half of last year. Metal mining stood at 133·2 as against 138·6 during the same period of 1931. Non-metal mining, exclusive of coal, was recorded at 71·5 whereas during the first six months of the preceding year the figure was 99·0.



## FINAL 1931 FIGURES

Final figures for 1931 as given in the first table of this report show that the mineral production in that year was \$228,029,018 as compared with \$279,873,578 in 1930. Preliminary figures given out in April of this year showed the production to be \$227,456,365. The only revision of any magnitude was that for stone, the complete figure for this material being very difficult to obtain early in the year.

*Mineral Production of Canada for the Twelve Months ending December 31, 1931, and also for the Period January 1 to June 30, 1931 and 1932*

	1931 12 months		1931 January 1 to June 30		1932 January 1 to June 30	
	Quantity	Value	Quantity	Value	Quantity	Value
<b>METALLICS</b>		\$		\$		\$
Arsenic (As <sub>2</sub> O <sub>3</sub> )..... lb.	3,575,936	135,170	2,108,076	82,224	1,028,733	65,149
Bismuth..... lb.	118,207	157,850	7,331	4,089	10,939	9,026
Cadmium..... lb.	-	180,958	-	129,376	-	51,716
Cobalt..... lb.	521,051	551,179	295,822	361,600	210,283	238,208
Copper..... lb.	292,304,390	24,114,065	149,277,041	13,705,822	129,206,453	8,235,820
Gold..... fine oz.	2,693,892	55,687,688	1,273,303	26,321,508	1,490,078	30,926,683
Iron..... tons	1,509	10,281	-	-	-	-
Titanium ore..... tons	207,342,482	7,260,133	140,419,830	4,034,971	127,699,578	2,852,043
Lead..... lb.	117	2,893	-	-	-	-
Manganese ore..... tons	1,222	280	-	-	-	-
Molybdenite (concentrates)..... lb.	65,666,320	15,267,453	40,690,562	9,047,131	21,162,786	5,166,063
Nickel..... lb.	46,918	1,217,717	22,259	610,879	24,169	668,151
Palladium, Rhodium, Iridium, etc. fine oz.	44,775	1,590,900	22,729	712,100	17,613	695,714
Platinum..... fine oz.	21,500	40,850	8,335	15,835	-	-
Selenium..... lb.	20,562,247	6,141,943	11,701,718	3,287,481	9,451,611	3,108,191
Silver..... fine oz.	237,245,451	6,059,249	133,679,776	3,404,824	89,065,149	2,075,485
Zinc..... lb.	-	-	-	-	-	-
<b>Total.....</b>	-	<b>118,534,439</b>	-	<b>61,717,941</b>	-	<b>51,092,915</b>
<b>Non-METALLICS—FUELS</b>						
Coal..... tons	12,243,211	41,207,682	5,891,588	20,519,520	5,655,801	18,302,657
Natural gas..... M cu. ft.	25,874,723	9,026,754	14,972,342	5,541,078	14,518,385	5,562,149
Peat..... tons	1,674	7,033	690	3,454	31	140
Petroleum, crude..... bbls.	1,542,573	4,211,674	937,779	2,593,815	570,141	1,578,539
<b>Total.....</b>	-	<b>54,453,143</b>	-	<b>28,657,867</b>	-	<b>25,443,455</b>
<b>OTHER NON-METALLICS</b>						
Actinolite..... tons	35	456	7	80	-	-
Asbestos..... tons	104,296	4,812,886	76,145	2,447,617	55,469	1,350,851
Barytes..... tons	16	363	16	363	-	-
Bituminous sands..... tons	1,015	4,060	-	-	253	1,012
Diatomite..... tons	1,610	32,789	166	3,983	766	15,895
Feldspar..... tons	18,343	186,961	6,227	62,440	3,045	34,690
Fluorspar..... tons	40	620	-	-	-	-
Graphite..... tons	548	32,140	383	21,198	255	12,930
Grindstones..... tons	621	38,103	-	-	-	-
Gypsum..... tons	863,752	2,111,517	293,131	992,418	143,108	681,600
Iron oxides (ochres)..... tons	5,520	49,205	1,638	15,120	2,703	24,272
Magnesite..... tons	11,411	295,579	4,949	135,175	5,890	149,129
Manganese (bog)..... tons	77	462	-	-	-	-
Mica..... tons	1,339	54,066	665	37,176	82	3,749
Mineral waters..... Imp. gals.	217,408	13,324	146,855	11,120	38,122	3,833
Quartz..... tons	195,724	303,158	85,618	153,030	80,622	113,492
Salt..... tons	259,047	1,904,140	115,096	910,876	127,877	556,280
Silica brick..... M	900	35,746	459	21,832	-	-
Soapstone..... tons	-	34,430	-	19,896	-	22,493
Sodium carbonate..... tons	712	7,351	220	2,535	240	1,500
Sodium sulphate..... tons	-	421,097	-	291,589	-	132,049
Sulphur* (Pyrites)..... tons	50,107	429,457	14,431	123,958	31,097	276,420
Talc..... tons	11,836	122,644	5,856	59,625	6,366	59,107
Volcanic dust..... tons	128	2,560	27	540	180	3,209
<b>Total.....</b>	-	<b>10,893,141</b>	-	<b>5,313,580</b>	-	<b>3,848,395</b>

See next page for the remainder of this table.

*Mineral Production of Canada for the Twelve Months ending December 31, 1931, and also for the Period January 1 to June 30, 1931 and 1932—Concluded*

	1931 12 months		1931 January 1 to June 30		1932 January 1 to June 30	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
<b>CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS</b>						
<i>Clay Products</i>						
Brick—Soft mud process—						
Face..... M	5,476	116,316				
Common..... M	41,177	619,357				
Stiff mud process—(wire cut)—						
Face..... M	77,135	1,752,947				
Common..... M	81,930	1,205,464				
Dry press—						
Face..... M	20,149	423,357				
Common..... M	8,688	107,213				
Fancy or ornamental brick..... M	335	20,773				
Sewer brick..... M	2,253	43,692				
Paving brick..... M	19	682				
Firebrick..... M	2,248	107,597				
Fireclay..... tons	1,233	14,857				
Bentonite..... tons	187	935				
Fireclay blocks and shapes.....	-	83,039				
Hollow blocks..... tons	105,635	1,043,634				
Roofing tile..... No.	6,935	720				
Floor tile (quarries)..... sq. ft.	107,499	31,415				
Drain tile..... M	12,518	329,410				
Sewer pipe, copings, flue linings, etc.....	-	1,508,803				
Pottery, glazed or unglazed.....	-	257,125				
Other clay products.....	-	171,952				
<b>Total.....</b>	<b>-</b>	<b>7,841,288</b>				
<i>Other Structural Materials</i>						
Cement..... brls.	10,161,658	15,826,243				
Lime..... tons	344,785	2,704,415				
Sand and gravel..... tons	21,748,586	6,651,165				
Slate..... tons	250	5,000				
Stone..... tons	8,397,860	11,070,184				
<b>Total.....</b>	<b>-</b>	<b>36,317,007</b>				
<b>Grand Total.....</b>	<b>-</b>	<b>228,029,018</b>				

No reports were obtained from producers of clay products and other structural materials for the half year ending June, owing to the recognized seasonal nature of operations in this field.

\*Sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid made from waste smelter gases.

Comparative Table of Mineral Production of Canada, January 1 to June 30, 1931 and 1932

		Increase (+) or Decrease (-)		Increase (+) or Decrease (-)	
		Quantity	Per cent	Value	Per cent
				\$	
<b>METALLIC</b>					
Arsenic (As <sub>2</sub> O <sub>3</sub> )	lb.	- 479,343	-22.7	-17,075	-20.8
Bismuth	lb.	+ 3,608	+ 49.2	+ 5,537	+ 135.4
Cadmium	lb.	-	-	- 77,660	- 60.0
Cobalt	lb.	- 85,539	- 29.0	- 123,332	- 34.1
Copper	lb.	-20,070,588	-13.5	-5,469,996	-40.0
Gold	fine oz.	+ 232,775	+ 17.5	+ 4,605,175	+ 17.5
Lead	lb.	-18,720,252	-12.8	-1,182,928	-29.3
Nickel	lb.	-19,527,776	-48.0	-3,881,068	-42.9
Palladium, Rhodium, Iridium, etc.	fine oz.	+ 1,910	+ 8.6	+ 57,272	+ 9.3
Platinum	fine oz.	- 5,116	-22.5	- 16,386	- 2.4
Selenium	lb.	- 8,335	-	- 15,836	-
Silver	fine oz.	- 2,250,107	-19.2	- 179,290	- 5.5
Zinc	lb.	-44,614,627	-33.4	-1,329,330	-39.0
<b>Total</b>		-	-	- 7,621,926	- 12.4
<b>NON-METALLIC</b>					
<b>Fuels</b>					
Coal	tons	- 235,787	- 4.0	- 2,216,863	- 10.8
Natural gas	M cu. ft.	- 453,957	- 3.0	+ 21,071	+ 0.4
Peat	tons	- 829	- 95.3	- 3,314	- 95.9
Petroleum, crude	brl.	- 367,638	- 39.2	- 1,015,276	- 39.1
<b>Total</b>		-	-	- 3,214,382	- 11.2
<b>OTHER NON-METALLIC</b>					
Actinolite	tons	-7	-	- 80	-
Asbestos	tons	- 20,676	- 27.2	- 1,090,766	- 44.6
Barytes	tons	- 18	-	- 363	-
Bituminous sands	tons	+ 253	-	+ 1,012	-
Diatomite	tons	+ 600	+ 361.4	+ 11,715	+ 294.1
Feldspar	tons	- 3,182	- 51.2	- 27,759	- 44.5
Graflite	tons	- 128	- 33.4	- 8,268	- 39.0
Gypsum	tons	-150,023	- 51.2	- 310,818	- 31.3
Iron oxides	tons	+ 1,065	+ 65.0	+ 9,152	+ 60.5
Magnesite	tons	+ 941	+ 19.0	+ 13,954	+ 10.3
Mica	tons	- 583	- 87.7	- 33,427	- 89.9
Mineral waters	imp. gal.	- 108,733	- 74.0	- 7,287	- 65.5
Quartz	tons	- 4,906	- 5.8	- 39,638	- 25.8
Salt	tons	+ 11,771	+ 10.1	+ 45,404	+ 5.0
Silica brick	tons	- 459	-	- 21,832	-
Soupsone	tons	-	-	- 2,597	+ 13.1
Sodium carbonate	tons	+ 20	+ 9.1	+ 1,035	+ 40.8
Sodium sulphate	tons	-	-	- 162,540	- 55.2
Sulphur	tons	+ 16,666	+ 115.5	+ 182,462	+ 123.0
Talc	tons	+ 510	+ 8.7	+ 518	+ 0.9
Volcanic dust	tons	+ 133	+ 492.6	+ 2,660	+ 492.6
<b>Total</b>		-	-	- 1,465,275	- 27.6

## MONTHLY PRODUCTION STATISTICS

The Mining, Metallurgical and Chemical Branch of the Bureau publishes monthly production statistics on Canada's sixteen leading minerals. In order that there may be the least possible delay in publishing the monthly bulletins the figures are to some extent estimated and therefore the totals of the months as shown in the following table do not necessarily agree with the figures shown in the first table of this report. The differences in lead and silver are due in large part to the fact that the monthly figures for the Yukon show the actual output during the period and the half-yearly totals are for shipments.

*Monthly Production of Leading Minerals in Canada, January 1 to June 30, 1932*

Month	Asbestos	Cement	Clay Products	Coal	Copper	Feldspar	Gold	Gypsum
	tons	brls.	\$	tons	lb.	tons	fine oz.	tons
January.....	10,190	270,764	334,608	1,178,826	19,675,016	800	233,826	5,762
February.....	7,706	235,895	296,239	962,401	22,428,571	945	225,891	5,454
March.....	8,937	276,172	310,578	1,050,187	23,662,648	1,160	255,675	11,858
April.....	8,830	427,320	362,327	898,406	22,077,843	415	246,359	23,087
May.....	9,942	530,504	403,561	911,777	21,356,879	423	268,543	66,139
June.....	7,977	566,992	427,967	889,991	20,669,800	479	270,526	39,452
<b>Total.....</b>	<b>53,582</b>	<b>2,397,647</b>	<b>2,135,280</b>	<b>5,891,588</b>	<b>129,870,757</b>	<b>4,222</b>	<b>1,500,826</b>	<b>151,752</b>

  

Month	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc
	lb.	tons	M cu.ft.	lb.	brls.	tons	fine oz.	lb.
January.....	21,467,045	23,685	3,220,087	3,187,687	96,912	9,435	1,772,841	15,110,952
February.....	20,154,013	23,632	3,043,987	4,202,036	90,841	12,477	1,600,501	14,224,278
March.....	21,332,722	29,108	3,009,704	3,754,829	97,484	14,185	1,460,137	15,165,791
April.....	21,624,442	28,744	2,353,619	3,384,620	95,585	16,078	1,645,094	14,650,218
May.....	20,150,393	30,014	1,760,161	3,471,304	95,222	15,324	1,418,384	15,247,980
June.....	22,456,497	27,290	1,130,787	3,162,310	89,533	16,696	1,310,573	14,665,930
<b>Total.....</b>	<b>127,185,712</b>	<b>169,473</b>	<b>14,518,385</b>	<b>21,162,786</b>	<b>565,577</b>	<b>84,195</b>	<b>9,207,539</b>	<b>89,065,149</b>

*Mineral Production of Canada, by Provinces, 1929-1931*

Province	1929		1930		1931	
	Value of production	Per cent of total	Value of production	Per cent of total	Value of production	Per cent of total
	\$		\$		\$	
Nova Scotia*	30,904,453	9.94	27,019,367	9.65	21,080,746	9.24
New Brunswick.....	2,439,072	0.79	2,191,425	0.76	2,176,910	0.96
Quebec.....	46,358,285	14.93	41,215,220	14.73	35,696,563	15.65
Ontario.....	117,662,505	37.85	113,530,976	40.57	96,113,235	42.15
Manitoba.....	5,423,825	1.75	5,453,182	1.95	9,965,854	4.37
Saskatchewan.....	2,253,500	0.72	2,368,512	0.85	1,931,880	0.85
Alberta.....	34,739,986	11.17	30,019,888	10.95	23,580,727	10.34
British Columbia.....	68,162,878	21.92	54,953,320	19.64	35,337,756	15.50
Yukon.....	2,905,736	0.93	2,521,588	0.90	2,145,347	0.94
<b>Total.....</b>	<b>316,850,246</b>	<b>100.00</b>	<b>279,873,575</b>	<b>100.00</b>	<b>228,029,018</b>	<b>100.00</b>

\*Includes a small production from Prince Edward Island for 1929 and 1930.



## Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1931

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
<b>METALLICS</b>									
Arsenic (As <sub>2</sub> O <sub>3</sub> )..... lb.	-	-	-	3,575,936	-	-	-	-	-
Bismuth..... lb.	-	-	-	135,170	-	-	-	-	-
Cadmium..... lb.	-	-	-	7,331	-	-	-	110,876	-
Cobalt..... lb.	-	-	-	3,532	-	-	-	154,118	-
Copper..... lb.	-	-	-	521,051	-	-	-	180,958	-
..... \$	-	-	-	651,179	-	-	-	-	-
Gold..... fine oz.	460	-	68,376,985	112,882,025	45,821,432	-	-	65,223,348	-
..... \$	9,509	-	5,723,154	9,096,463	3,835,254	-	-	5,450,194	-
Lead..... lb.	-	-	300,075	2,085,814	102,960	-	195	130,069	44,310
..... \$	-	-	6,203,101	43,117,600	2,128,558	-	4,031	3,308,920	915,969
Manganese ore..... tons	60	57	-	985,633	-	-	-	261,902,236	4,454,613
..... \$	2,400	493	-	41,647	-	-	-	7,097,812	120,724
Molybdenite (concentrates)..... lb.	-	-	-	1,222	-	-	-	-	-
..... \$	-	-	-	280	-	-	-	-	-
Nickel..... lb.	-	-	-	65,666,320	-	-	-	-	-
..... \$	-	-	-	15,267,453	-	-	-	-	-
Palladium, Rhodium, Iridium, etc. fine oz.	-	-	-	46,918	-	-	-	-	-
..... \$	-	-	-	1,217,717	-	-	-	-	-
Platinum..... fine oz.	-	-	-	44,725	-	-	-	50	-
..... \$	-	-	-	1,595,117	-	-	-	1,783	-
Selenium..... lb.	-	-	-	16,899	3,870	-	-	731	-
..... \$	-	-	-	32,108	7,353	-	-	1,380	-
Silver..... fine oz.	48	-	530,345	7,438,951	836,547	-	29	8,061,509	3,694,728
..... \$	14	-	158,414	2,222,014	249,877	-	9	2,408,000	1,103,613
Titanium ore..... tons	-	-	1,509	-	-	-	-	-	-
..... \$	-	-	10,261	-	-	-	-	-	-
Zinc..... lb.	-	-	-	-	35,173,740	-	-	202,071,702	-
..... \$	-	-	-	-	898,338	-	-	5,160,911	-
<b>Total..... \$</b>	<b>11,923</b>	<b>493</b>	<b>12,694,330</b>	<b>73,386,280</b>	<b>7,119,380</b>	<b>-</b>	<b>4,040</b>	<b>23,773,685</b>	<b>2,140,308</b>
<b>Non-METALLICS</b>									
<b>Fuels</b>									
Coal..... tons	4,955,563	182,181	-	-	1,306	662,836	4,564,015	1,876,406	904
..... \$	19,016,720	743,196	-	-	3,787	945,250	13,342,675	7,150,906	5,039
Natural gas..... M cu. ft.	-	655,891	-	7,419,534	600	-	17,798,698	-	-
Peat..... tons	-	323,184	-	4,635,497	180	-	4,067,893	-	-
..... \$	-	-	1,170	504	-	-	-	-	-
Petroleum, crude..... bbl.	-	6,577	5,937	1,096	-	-	-	-	-
..... \$	-	15,461	-	122,365	-	-	1,413,631	-	-
<b>Total..... \$</b>	<b>19,016,720</b>	<b>1,081,841</b>	<b>5,937</b>	<b>4,856,586</b>	<b>3,977</b>	<b>945,259</b>	<b>21,386,788</b>	<b>7,150,996</b>	<b>5,039</b>
<b>OTHER NON-METALLICS</b>									
Actinolite..... tons	-	-	-	35	-	-	-	-	-
..... \$	-	-	-	456	-	-	-	-	-
Asbestos..... tons	-	-	164,296	-	-	-	-	-	-
..... \$	-	-	4,812,886	-	-	-	-	-	-
Barytes..... tons	16	-	-	-	-	-	-	-	-
..... \$	363	-	-	-	-	-	-	-	-
Bituminous sands..... tons	-	-	-	-	-	-	1,015	-	-
..... \$	-	-	-	-	-	-	4,000	-	-
Diatomite..... tons	1,484	-	-	60	-	-	-	-	-
..... \$	29,670	-	-	840	-	-	-	66	-
Feldspar..... tons	-	-	10,381	7,962	-	-	-	2,270	-
..... \$	-	-	86,842	100,119	-	-	-	-	-
Fluorspar..... tons	-	-	-	40	-	-	-	-	-
..... \$	-	-	-	620	-	-	-	-	-
Graphite..... tons	-	-	-	548	-	-	-	-	-
..... \$	-	-	-	32,140	-	-	-	-	-
Grindstones..... tons	-	299	-	-	-	-	-	-	-
..... \$	-	12,308	-	-	-	-	-	323	-
Gypsum..... tons	707,817	58,957	-	53,358	23,076	-	-	25,795	-
..... \$	878,487	451,264	-	374,409	231,124	-	-	20,544	-
Iron oxides..... tons	-	-	5,410	-	-	-	-	176,173	-
..... \$	-	-	48,205	-	-	-	-	110	-
Magnesite..... tons	-	-	11,411	-	-	-	-	1,000	-
..... \$	-	-	295,570	-	-	-	-	-	-
Manganese (bog)..... tons	-	77	-	-	-	-	-	-	-
..... \$	-	462	-	-	-	-	-	-	-
Mica..... tons	-	-	290	1,040	-	-	-	-	-
..... \$	-	-	30,601	23,465	-	-	-	-	-
Mineral water, Imp. gal.	-	-	19,868	197,540	-	-	-	-	-
..... \$	-	-	4,746	8,578	-	-	-	-	-
Pyrites (sulphur)*..... tons	-	-	14,586	6,508	-	-	-	29,013	-
..... \$	-	-	108,617	65,080	-	-	-	255,760	-
Quartz..... tons	3,110	-	26,987	97,888	67,214	-	-	519	-
..... \$	6,830	-	69,750	148,642	76,624	-	-	1,297	-
Salt..... tons	27,718	-	-	231,329	-	-	-	-	-
..... \$	143,761	-	-	1,760,388	-	-	-	-	-

\*See footnote page 10.

*Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1931—Concluded*

	Nova Scotia	New Brun- swick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon
Other Non-Metallies—con									
Silica brick..... M	621	—	—	279	—	—	—	—	—
\$	22,044	—	—	13,702	—	—	—	—	—
Soapstone..... tons	—	—	34,439	—	—	—	—	—	—
\$	—	—	—	—	—	—	—	712	—
Sodium carbonate..... tons	—	—	—	—	—	—	—	7,351	—
\$	—	—	—	—	—	—	—	—	—
Sodium sulphate..... tons	—	—	—	—	—	421,097	—	—	—
\$	—	—	—	—	—	—	—	—	—
Talc..... tons	—	—	—	11,800	—	—	—	30	—
\$	—	—	—	122,044	—	—	—	600	—
Volcanic dust..... tons	—	—	—	—	—	128	—	—	—
\$	—	—	—	—	—	2,560	—	—	—
<b>Total..... \$</b>	<b>1,081,170</b>	<b>464,034</b>	<b>5,491,674</b>	<b>2,650,552</b>	<b>307,748</b>	<b>423,657</b>	<b>4,000</b>	<b>470,246</b>	<b>—</b>
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS									
Clay Products									
Brick—									
Soft mud process—									
Face..... M	120	100	—	4,954	—	—	302	—	—
\$	1,560	2,200	—	105,006	—	—	7,550	—	—
Common..... M	780	3,134	—	24,478	5,209	415	1,734	5,427	—
\$	10,660	42,671	—	373,130	76,688	5,451	22,280	88,477	—
Stiff mud process—									
Face..... M	349	910	32,113	40,935	794	576	675	783	—
(wire cut) \$	9,970	25,669	766,988	873,334	17,577	20,233	12,328	26,848	—
Common..... M	3,728	1,778	56,464	17,008	30	1,831	379	712	—
\$	54,573	26,311	841,868	249,880	360	18,096	3,267	11,110	—
Dry press—									
Face..... M	—	—	2,804	13,991	—	27	2,779	458	—
\$	—	—	74,070	300,614	—	720	28,937	18,116	—
Common..... M	—	—	250	2,719	—	—	3,797	1,922	—
\$	—	—	2,500	39,767	—	—	36,179	28,767	—
Fancy or ornamental brick..... M	—	—	76	259	—	—	—	—	—
\$	—	—	3,944	16,829	—	—	—	—	—
Sewer brick..... M	—	—	—	1,946	—	—	—	307	—
\$	—	—	—	33,321	—	—	—	10,371	—
Paving brick..... M	—	—	—	—	—	—	—	19	—
\$	—	—	—	—	—	—	—	682	—
Firebrick..... M	7	—	—	—	—	415	24	1,802	—
\$	240	—	—	—	—	24,568	1,193	81,596	—
Fireclay..... tons	65	48	—	—	—	484	—	636	—
\$	650	1,930	—	—	—	3,915	—	8,362	—
Bentonite..... tons	—	—	—	—	—	—	—	187	—
\$	—	—	—	—	—	—	—	935	—
Fireclay blocks and shapes..... \$	825	535	—	—	—	63,603	—	18,076	—
Hollow blocks..... tons	7,372	1,776	41,585	41,774	1,278	3,177	5,360	3,313	—
\$	86,632	16,706	477,720	346,079	15,703	28,299	42,276	33,219	—
Roofing tile..... No.	—	—	—	6,935	—	—	—	—	—
\$	—	—	—	720	—	—	—	—	—
Floor tiles (quarries) sq. ft.	—	—	—	107,418	—	81	—	—	—
\$	—	—	—	31,395	—	20	—	—	—
Drain tile..... M	159	3	696	10,210	248	—	55	1,147	—
\$	6,611	127	24,864	244,368	12,300	—	1,721	38,419	—
Sewer pipe, copings, flue linings, etc. \$	205,405	—	168,054	696,964	—	—	227,305	121,075	—
Pottery, glazed or unglazed..... \$	—	27,199	—	73,860	—	1,031	146,502	8,533	—
Other clay products, \$	—	—	—	167,533	—	822	178	3,919	—
<b>Total..... \$</b>	<b>467,126</b>	<b>143,348</b>	<b>2,360,908</b>	<b>3,552,800</b>	<b>122,628</b>	<b>166,257</b>	<b>529,716</b>	<b>498,565</b>	<b>—</b>
OTHER STRUCTURAL MATERIALS									
Cement..... brls.	—	—	4,942,323	3,470,056	544,160	—	626,483	578,636	—
\$	—	—	7,092,895	5,006,826	1,267,893	—	1,286,080	1,172,549	—
Lime..... tons	18,430	11,241	111,496	147,660	21,014	—	5,118	29,820	—
\$	70,418	127,054	804,218	1,222,270	207,401	—	46,785	277,260	—
Sand and gravel..... tons	403,858	183,475	7,657,964	7,465,017	871,986	1,388,504	1,050,988	2,726,704	—
\$	198,757	18,149	1,952,959	2,562,477	294,178	396,707	313,616	914,322	—
Slate..... tons	—	—	—	—	—	—	—	250	—
\$	—	—	—	—	—	—	—	5,000	—
Stone..... tons	83,181	62,325	4,265,529	3,359,304	153,248	—	2,496	471,717	—
\$	225,632	341,991	5,893,042	2,881,444	642,649	—	9,642	1,075,784	—
<b>Total..... \$</b>	<b>593,867</b>	<b>487,194</b>	<b>15,743,114</b>	<b>11,673,017</b>	<b>2,412,121</b>	<b>396,707</b>	<b>1,656,123</b>	<b>3,444,924</b>	<b>—</b>
<b>Grand Total..... \$</b>	<b>21,680,746</b>	<b>2,176,910</b>	<b>35,696,563</b>	<b>96,113,235</b>	<b>9,965,854</b>	<b>1,931,880</b>	<b>23,580,727</b>	<b>35,337,756</b>	<b>2,145,847</b>

*Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by  
Provinces, January 1 to June 30, 1931*

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
<b>METALLICS</b>									
Arsenic (As <sub>2</sub> O <sub>3</sub> )... lb.	-	-	-	2,108,076	-	-	-	-	-
\$	-	-	-	82,224	-	-	-	-	-
Bismuth..... lb.	-	-	-	7,331	-	-	-	-	-
\$	-	-	-	4,089	-	-	-	-	-
Cadmium..... lb.	-	-	-	-	-	-	-	-	-
\$	-	-	-	-	-	-	-	-	-
Cobalt..... lb.	-	-	-	295,822	-	-	-	129,376	-
\$	-	-	-	361,600	-	-	-	-	-
Copper..... lb.	-	-	34,814,415	65,777,279	15,575,254	-	-	33,110,093	-
\$	-	-	3,220,333	5,982,094	1,440,711	-	-	3,062,684	-
Gold..... fine oz.	279	-	147,420	996,922	52,788	-	-	69,496	6,398
\$	5,767	-	3,047,442	20,608,206	1,091,225	-	-	1,436,610	132,258
Lead..... lb.	-	-	-	684,444	-	-	-	142,644,598	3,090,788
\$	-	-	-	30,162	-	-	-	3,019,874	84,935
Nickel..... lb.	-	-	-	40,690,562	-	-	-	-	-
\$	-	-	-	9,047,131	-	-	-	-	-
Palladium, rhodium, etc..... fine oz.	-	-	-	22,259	-	-	-	-	-
\$	-	-	-	610,879	-	-	-	-	-
Platinum..... fine oz.	-	-	-	22,729	-	-	-	-	-
\$	-	-	-	712,100	-	-	-	-	-
Selenium..... lb.	-	-	-	5,835	-	-	-	2,500	-
\$	-	-	-	11,080	-	-	-	4,750	-
Silver..... fine oz.	20	-	263,966	3,901,763	382,283	-	-	4,382,239	2,771,447
\$	6	-	74,159	1,096,161	107,399	-	-	1,231,146	778,610
Zinc..... lb.	-	-	-	-	17,708,712	-	-	115,971,064	-
\$	-	-	-	-	451,041	-	-	2,953,783	-
<b>Total..... \$</b>	<b>5,773</b>	<b>-</b>	<b>6,341,931</b>	<b>38,545,732</b>	<b>3,090,376</b>	<b>-</b>	<b>-</b>	<b>12,738,223</b>	<b>995,863</b>
<b>NON-METALLICS</b>									
<b>Fuels</b>									
Coal..... tons	2,619,696	94,615	-	-	-	267,778	1,081,280	927,968	251
\$	10,332,448	391,026	-	-	-	390,574	5,827,376	3,576,049	1,147
Natural gas.... M cu. ft.	-	423,429	-	4,355,000	300	-	10,103,613	-	-
\$	-	208,395	-	2,613,000	90	-	2,719,593	-	-
Peat..... tons	-	-	660	-	-	-	-	-	-
\$	-	-	3,454	-	-	-	-	-	-
Petroleum, crude, brls.	-	3,709	-	62,070	-	-	872,000	-	-
\$	-	8,850	-	112,401	-	-	2,472,564	-	-
<b>Total..... \$</b>	<b>10,332,448</b>	<b>699,171</b>	<b>3,454</b>	<b>2,725,491</b>	<b>90</b>	<b>390,574</b>	<b>11,019,533</b>	<b>3,576,049</b>	<b>1,147</b>
<b>OTHER NON-METALLICS</b>									
Actinolite..... tons	-	-	-	7	-	-	-	-	-
\$	-	-	-	80	-	-	-	-	-
Asbestos..... tons	-	-	76,145	-	-	-	-	-	-
\$	-	-	2,447,017	-	-	-	-	-	-
Barytes..... tons	18	-	-	-	-	-	-	-	-
\$	863	-	-	-	-	-	-	-	-
Bituminous sands, tons	-	-	-	-	-	-	-	-	-
\$	-	-	-	-	-	-	-	-	-
Diatomite..... tons	107	-	-	6	-	-	-	53	-
\$	2,150	-	-	84	-	-	-	1,749	-
Feldspar..... tons	-	-	4,252	1,075	-	-	-	-	-
\$	-	-	38,915	23,534	-	-	-	-	-
Graphite..... tons	-	-	-	583	-	-	-	-	-
\$	-	-	-	21,198	-	-	-	-	-
Gypsum..... tons	229,845	19,863	-	31,358	11,798	-	-	9,267	-
\$	274,105	278,020	-	227,546	127,498	-	-	85,249	-
Iron oxides..... tons	-	-	1,638	-	-	-	-	-	-
\$	-	-	15,120	-	-	-	-	-	-
Magnesite..... tons	-	-	4,949	-	-	-	-	-	-
\$	-	-	135,175	-	-	-	-	-	-
Mica..... tons	-	-	280	385	-	-	-	-	-
\$	-	-	21,906	15,270	-	-	-	-	-
Mineral water imp. gal.	-	-	4,155	142,700	-	-	-	-	-
\$	-	-	1,849	9,571	-	-	-	-	-
Phosphate..... tons	-	-	-	-	-	-	-	-	-
\$	-	-	-	-	-	-	-	-	-
Pyrites (sulphur)*.. tons	-	-	6,618	3,821	-	-	-	3,992	-
\$	-	-	49,172	38,210	-	-	-	36,576	-
Quartz..... tons	-	-	16,219	50,427	18,453	-	-	519	-
\$	-	-	51,323	81,057	18,453	-	-	1,297	-

*Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1931—Concluded*

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
Other Non-Metallies—on									
Salt..... tons	11,314	—	—	104,592	—	—	—	—	—
\$	72,539	—	—	838,337	—	—	—	—	—
Silica brick..... M.	—	—	—	459	—	—	—	—	—
\$	—	—	—	21,832	—	—	—	—	—
Soapstone..... tons	—	—	19,896	—	—	—	—	—	—
\$	—	—	—	—	—	—	—	—	—
Sodium carbonate... tons	—	—	—	—	—	—	—	220	—
\$	—	—	—	—	—	—	—	2,535	—
Sodium sulphate... tons	—	—	—	—	—	—	—	—	—
\$	—	—	—	—	—	294,589	—	—	—
Talc..... tons	—	—	—	5,856	—	—	—	—	—
\$	—	—	—	59,625	—	—	—	—	—
Volcanic dust..... tons	—	—	—	—	—	27	—	—	—
\$	—	—	—	—	—	540	—	—	—
<b>Total..... \$</b>	<b>349,157</b>	<b>278,020</b>	<b>2,780,673</b>	<b>1,337,244</b>	<b>145,951</b>	<b>295,129</b>	<b>—</b>	<b>127,406</b>	<b>—</b>
<b>Grand total.. \$</b>	<b>10,687,378</b>	<b>887,191</b>	<b>9,126,961</b>	<b>12,608,377</b>	<b>3,236,417</b>	<b>685,703</b>	<b>11,019,533</b>	<b>16,441,678</b>	<b>996,950</b>

\*See footnote page 10.

*Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1932*

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
<b>METALLICS</b>									
Arsenic (As <sub>2</sub> O <sub>3</sub> )... lb.	—	—	—	1,628,733	—	—	—	—	—
\$	—	—	—	65,149	—	—	—	—	—
Bismuth..... lb.	—	—	—	10,939	—	—	—	—	—
\$	—	—	—	9,626	—	—	—	—	—
Cadmium..... lb.	—	—	—	—	10,162	—	—	41,554	—
\$	—	—	—	—	—	—	—	—	—
Cobalt..... lb.	—	—	—	210,263	—	—	—	—	—
\$	—	—	—	238,268	—	—	—	—	—
Copper..... lb.	—	—	31,406,483	42,333,941	28,322,274	—	—	27,143,755	—
\$	—	—	2,072,954	2,501,893	1,869,383	—	—	1,791,596	—
Gold..... fine oz.	267	—	214,290	1,127,801	56,732	—	—	89,685	7,303
\$	5,528	—	4,429,767	23,313,715	1,172,754	—	—	1,853,953	150,966
Lead..... lb.	—	—	—	66,756	—	—	—	125,727,824	1,914,998
\$	—	—	—	1,208	—	—	—	2,808,005	42,770
Nickel..... lb.	—	—	—	21,162,786	—	—	—	—	—
\$	—	—	—	5,166,063	—	—	—	—	—
Palladium, rhodium, etc..... fine oz.	—	—	—	24,169	—	—	—	—	—
\$	—	—	—	698,151	—	—	—	—	—
Platinum..... fine oz.	—	—	—	17,596	—	—	—	—	—
\$	—	—	—	694,924	—	—	—	—	—
Silver..... fine oz.	20	—	335,186	3,377,700	572,649	—	—	3,699,652	1,466,404
\$	7	—	110,227	1,110,767	188,317	—	—	1,216,642	482,231
Zinc..... lb.	—	—	—	—	20,568,600	—	—	68,496,549	—
\$	—	—	—	—	479,310	—	—	1,596,175	—
<b>Total..... \$</b>	<b>5,535</b>	<b>—</b>	<b>6,612,949</b>	<b>33,769,824</b>	<b>3,719,926</b>	<b>—</b>	<b>—</b>	<b>9,368,715</b>	<b>675,967</b>
<b>NON-METALLICS</b>									
<b>Fuels</b>									
Coal..... tons	2,094,840	101,008	—	—	865	377,608	2,193,177	887,946	357
\$	7,717,048	395,428	—	—	1,954	487,214	6,123,956	3,575,145	1,912
Natural gas..... M cu.ft.	—	429,085	—	4,445,000	306	—	9,644,000	—	—
\$	—	212,050	—	2,750,000	90	—	2,600,000	—	—
Peat..... tons	—	—	31	—	—	—	—	—	—
\$	—	—	140	—	—	—	—	—	—
Petroleum, crude.. brls.	—	2,860	—	62,683	—	—	504,598	—	—
\$	—	6,526	—	116,664	—	—	1,455,349	—	—
<b>Total..... \$</b>	<b>7,717,048</b>	<b>614,013</b>	<b>140</b>	<b>2,866,664</b>	<b>2,044</b>	<b>487,214</b>	<b>10,179,305</b>	<b>3,575,145</b>	<b>1,913</b>



*Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1932—Concluded*

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
<b>OTHER NON-METALLICS</b>									
Actinolite..... tons	-	-	-	-	-	-	-	-	-
Asbestos..... tons	-	-	55,469	-	-	-	-	-	-
Barytes..... tons	-	-	1,356,851	-	-	-	-	-	-
Bituminous sands..... tons	-	-	-	-	-	-	253	-	-
Diatomite..... tons	742	-	-	9	-	-	1,012	15	-
Feldspar..... tons	14,830	-	1,186	1,859	-	-	-	499	-
Graphite..... tons	-	-	13,054	21,636	-	-	-	-	-
Gypsum..... tons	-	-	-	255	-	-	-	-	-
Iron oxides..... tons	91,779	17,039	-	12,930	-	-	-	-	-
Magnesite..... tons	122,989	241,289	-	20,389	7,978	-	-	5,923	-
Mica..... tons	-	-	2,703	-	70,811	-	-	57,733	-
Mineral water imp. gal.	-	-	24,272	-	-	-	-	-	-
Pyrites (sulphur*)..... tons	-	-	5,890	-	-	-	-	-	-
Quartz..... tons	-	-	149,129	32	-	-	-	-	-
Salt..... tons	15,290	-	3,078	671	-	-	-	-	-
Soapstone..... tons	73,028	-	4,005	34,117	-	-	-	-	-
Sodium carbonate..... tons	-	-	1,932	1,901	-	-	-	-	-
Sodium sulphate..... tons	-	-	8,571	2,005	-	-	-	20,521	-
Talc..... tons	-	-	65,894	20,050	-	-	-	190,476	-
Volcanic dust..... tons	-	-	6,307	32,769	41,546	-	-	-	-
	-	-	19,690	46,440	47,362	-	-	-	-
	-	-	-	112,387	-	-	-	-	-
	-	-	-	882,352	-	-	-	-	-
	-	-	22,493	-	-	132,040	-	-	-
	-	-	-	-	-	-	-	240	-
	-	-	-	-	-	-	-	1,800	-
	-	-	-	6,366	-	-	-	-	-
	-	-	-	59,107	-	-	-	-	-
	-	-	-	-	-	160	-	-	-
	-	-	-	-	-	3,200	-	-	-
<b>Total..... \$</b>	<b>211,756</b>	<b>241,289</b>	<b>1,656,393</b>	<b>1,234,225</b>	<b>118,173</b>	<b>135,246</b>	<b>1,012</b>	<b>250,208</b>	<b>-</b>
<b>Grand Total..... \$</b>	<b>7,934,339</b>	<b>855,302</b>	<b>8,269,491</b>	<b>37,870,713</b>	<b>3,840,143</b>	<b>622,462</b>	<b>10,180,317</b>	<b>13,134,068</b>	<b>677,879</b>

\*See footnote page 10.

*Metal Prices, 1927-1932*

Metal	Market	Unit	1927	1928	1929	1930	1931	January 1 to June 30 1932
			\$	\$	\$	\$	\$	\$
Antimony (ordinaries).....	New York.....	Pound.....	0-12393	0-10305	0-06956	0-07667	0-06720	0-05767
Arsenic, white.....	New York.....	Pound.....	0-0383	0-04	0-04	0-04	0-045	0-040
Cobalt.....	New York.....	Pound.....	2-50	2-03	2-52	2-50	2-50	2-50
Cobalt Oxide.....	New York.....	Pound.....	2-10	2-10	2-10	2-00	1-75	1-35
Copper.....	New York.....	Pound.....	0-12920	0-14570	0-18107	0-12982	0-08116	0-05780
	Montreal.....	Pound.....	0-1478	0-16402	0-19978	0-1498	0-10006	0-07844
	New York.....	Pound.....	0-06755	0-06305	0-06833	0-05517	0-04243	0-03267
Lead.....	Montreal.....	Pound.....	0-0673	0-0606	0-06678	0-05496	0-04168	0-03722
	Toronto.....	Pound.....	0-0683	0-06206	0-06775	0-056	0-04238	0-03776
	London.....	Long ton	24-192	21-060	23-246	18-077	12-058	12-249
Nickel.....	New York.....	Pound.....	0-36	0-36	0-36	0-36	0-36	0-35
Platinum.....	New York.....	Fine oz.	84-636	75-58	67-655	45-358	35-605	39-50
Silver.....	New York.....	Fine oz.	0-56370	0-58176	0-52993	0-38154	0-28700	0-28874
Tin.....	New York.....	Pound.....	0-02747	0-50427	0-45155	0-31604	0-24407	0-20922
	St. Louis.....	Pound.....	0-06242	0-06027	0-061512	0-04556	0-0364	0-02775
Zinc.....	Montreal.....	Pound.....	0-07710	0-07144	0-0687	0-05084	0-03961	0-03749
	London.....	Long ton	28-513	25-284	24-793	16-570	12-215	12-759

Note.—All prices in dollars per unit excepting London lead and zinc prices which are quoted in pounds sterling per long ton.

## Exports of Certain Canadian Metals and Minerals January 1 to June 30, 1931 and 1932

		1931		1932	
		Quantity	Value	Quantity	Value
			\$		\$
<b>METALLICS</b>					
Arsenic.....	lb.	1,578,800	59,590	1,145,400	41,130
Cobalt, in ore.....	lb.				
Cobalt, metallic.....	lb.		381,777		260,551
Cobalt, alloys.....	lb.				
Cobalt oxides and cobalt salts.....	lb.				
Copper, fine, in ore, matte, etc.....	lb.	23,355,600	1,844,128	25,181,100	1,531,583
Copper, blister.....	lb.	19,467,200	2,308,442	11,829,100	705,592
Copper bars, rods, strips, sheets plates and tubing.....	lb.	20,170,300	1,971,790	*62,346,700	*4,673,447
Copper ingots, bars, cakes, slabs and billets.....	lb.	-	-	50,053,400	3,066,736
Copper in rods, strips, sheets, plates, and tubing.....	lb.	-	-	3,800,700	231,122
Copper wire and cable insulated.....	lb.	-	14,229	-	75,241
Gold-bearing quartz, dust, nuggets and bullion exported from the mines and smelters.....	lb.	-	7,791,773	-	1,474,887
Lead, metallic, in ore, etc.....	lb.	19,000	900	-	-
Lead, in pig and block.....	lb.	100,465,600	2,191,551	93,619,700	1,628,603
Nickel, fine, in ore, matter or speiss.....	lb.	21,620,000	3,924,237	9,689,500	1,774,475
Nickel, fine.....	lb.	17,462,100	4,541,273	8,957,800	2,354,141
Nickel in oxide.....	lb.	1,441,000	453,991	539,500	147,340
Platinum in concentrates.....	fine oz.	5,886	469,846	9,941	794,613
Silver ore, concentrates, etc.....	fine oz.	943,485	308,673	553,330	161,424
Silver bullion.....	fine oz.	7,523,700	2,177,548	7,733,496	2,335,325
Zinc spelter.....	lb.	119,547,600	2,792,622	96,401,400	2,148,707
<b>Non-METALLICS</b>					
Asbestos, crude.....	tons	35,359	1,934,123	18,042	928,741
Asbestos, sand and waste.....	tons	42,156	603,649	33,904	485,037
Feldspar.....	tons	4,150	32,713	1,705	12,565
Graphite or plumbago, crude or refined.....	tons	406	19,655	339	13,473
Gypsum, crude.....	tons	169,550	192,524	101,314	135,068
Plaster of Paris, ground or prepared wall plaster.....	tons	1,990	25,209	417	7,569
Magnosite, calcined.....	tons	98	7,169	174	8,302
Mica splittings.....	tons	18	13,067	2	2,037
Mica, scrap and waste.....	tons	396	18,196	84	823
Mineral pigments, iron oxides, ochres, etc.....	tons	356	23,905	394	28,861
Pyrites (sulphur contained in).....	tons	8,308	57,306	14,344	63,731
Salt.....	tons	2,399	26,715	1,605	13,296
Talc.....	tons	3,846	41,183	4,063	43,701

\*January, February, March, 1932.

†April, May, June, 1932.

Note.—In the following tables more detailed information is given on some of the more important minerals.

(Arranged in alphabetical order.)

**Asbestos***Output and Sales of Asbestos in Canada, January 1 to June 30, 1931 and 1932*

	Sold or shipped				Sold or shipped			
	1931				1932			
	Total output	Quantity	Total sales value at mill	Average value	Total output	Quantity	Total sales value at mill	Average value
	tons	tons	\$	\$	tons	tons	\$	\$
Crude No. 1.....	205	116	52,438	452.05	28	50	19,977	399.54
Crude No. 2.....	1,128	311	69,137	222.30	306	147	27,680	188.30
Other crudes.....	75	37	3,893	105.21	4	4	556	139.00
Spinning stocks.....	5,266	4,710	531,616	112.84	4,694	2,820	256,220	90.83
Shingle stocks.....	3,206	4,369	281,908	64.54	3,814	4,244	181,756	42.82
Millboard and paper stocks.....	21,604	24,652	894,429	36.28	-	-	-	-
Fillers, floats and other short fibres.....	35,483	41,950	614,106	14.63	-	-	-	-
Paper stocks.....	-	-	-	-	10,536	10,647	344,055	32.31
Waste, stucco or plaster.....	-	-	-	-	3,133	3,327	53,106	15.06
Refuse or shorts.....	-	-	-	-	33,353	34,230	473,501	13.83
<b>Total.....</b>	<b>66,967</b>	<b>76,145</b>	<b>2,447,617</b>	<b>32.14</b>	<b>55,868</b>	<b>55,469</b>	<b>1,356,851</b>	<b>24.46</b>
Sand and gravel.....	2,979	2,979	2,271	0.76	1,994	1,994	1,841	0.92

## Coal and Coke

Output and Value of Canadian Coal by Provinces and Grades, January 1 to June 30, 1931 and 1932

(Short tons)

Province	1931		1932	
	Output	Total value	Output	Total value
NOVA SCOTIA (Bituminous).....	2,619,696	10,332,448	2,094,840	7,717,048
NEW BRUNSWICK (Bituminous).....	94,615	391,920	101,008	395,428
MANITOBA (Lignite).....	-	-	865	1,954
SASKATCHEWAN (Lignite).....	267,778	390,574	377,608	487,214
ALBERTA—				
Bituminous.....	982,988	3,336,746	805,152	2,867,678
Sub-bituminous.....	188,951	467,226	250,910	590,353
Lignite.....	809,341	2,023,404	1,077,115	2,665,925
<b>Total for Alberta.....</b>	<b>1,981,280</b>	<b>5,827,376</b>	<b>2,133,177</b>	<b>6,123,956</b>
BRITISH COLUMBIA (Bituminous).....	927,968	3,570,040	887,946	3,575,145
YUKON (Bituminous).....	251	1,147	357	1,912
CANADA—				
Bituminous.....	4,625,518	17,638,316	3,949,303	14,557,211
Sub-bituminous.....	188,951	467,226	250,910	590,353
Lignite.....	1,077,115	2,413,978	1,455,588	3,155,093
<b>Total.....</b>	<b>5,891,588</b>	<b>20,519,520</b>	<b>5,655,801</b>	<b>18,302,657</b>

Exports of Canadian Coal by Provinces, January 1 to June 30, 1931 and 1932

(Short tons)

Province	1931	1932
Prince Edward Island.....	-	-
Nova Scotia.....	64,415	35,485
New Brunswick.....	29,141	29,658
Quebec.....	-	4
Ontario.....	59	4
Manitoba.....	414	582
Saskatchewan.....	716	851
Alberta.....	320	241
British Columbia.....	74,228	60,136
Yukon.....	-	-
<b>Total.....</b>	<b>168,293</b>	<b>132,961</b>

Imports of Anthracite, Bituminous and Lignite Coal into Canada January 1 to June 30, 1932

(Short tons)

Month	Anthracite					Bituminous			Lignite	Total
	United States	Great Britain	Belgium	Germany	Total	United States	Great Britain	Total	United States	
January.....	142,095	15,903	-	-	157,998	471,155	-	471,155	480	629,633
February.....	119,493	8,916	650	-	129,061	376,126	2,722	378,848	787	598,696
March.....	214,150	8,103	-	-	222,253	483,718	5,325	489,046	223	711,322
April.....	122,000	57,029	-	-	179,029	357,788	5,530	363,318	51	542,398
May.....	150,802	170,967	-	-	321,769	664,478	53,605	718,083	35	1,039,887
June.....	100,816	140,657	-	5,693	253,166	471,034	84,307	705,426	151	968,742
<b>Total.....</b>	<b>849,358</b>	<b>407,575</b>	<b>650</b>	<b>5,693</b>	<b>1,263,276</b>	<b>3,024,293</b>	<b>101,526</b>	<b>3,125,819</b>	<b>1,727</b>	<b>4,390,878</b>

*Coal Made Available for Consumption in Canada, January 1 to June 30, 1931 and 1932*

(Short tons)

Month	1931				1932			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,178,826	792,826	37,017	1,934,635	1,188,382	629,633	34,017	1,783,998
February.....	962,401	830,609	21,541	1,771,369	1,230,248	508,696	26,948	1,711,996
March.....	1,050,187	815,429	32,231	1,833,365	1,048,552	711,522	27,380	1,732,694
April.....	898,406	537,530	12,431	1,423,505	739,368	542,308	12,576	1,269,190
May.....	911,777	1,191,017	27,887	2,074,907	697,462	1,039,887	18,209	1,719,080
June.....	889,991	1,198,479	38,066	2,030,404	751,789	958,742	13,771	1,696,760
<b>Total.....</b>	<b>5,891,548</b>	<b>5,365,899</b>	<b>169,293</b>	<b>11,988,185</b>	<b>5,655,891</b>	<b>4,390,878</b>	<b>132,961</b>	<b>9,913,718</b>

*Coke Production in Canada, January 1 to June 30, 1932*

(Short tons)

Month	Bituminous coal used for coke making			Coke made	Disposition of coke by makers				
	Canadian	Imported	Total		Used in makers' coke plants	Used in makers' smelters	Sold to other smelters	Sold for domestic use, etc.	Total
January.....	34,251	168,548	202,799	151,111	22,905	24,687	8,802	119,101	175,533
February.....	39,296	153,061	192,357	143,915	21,903	26,773	8,901	139,447	197,024
March.....	43,330	169,472	212,802	156,108	23,135	36,289	12,011	121,060	192,495
April.....	40,116	155,088	195,204	142,606	21,811	34,075	9,458	64,288	129,632
May.....	38,771	146,882	185,653	129,194	22,912	28,987	7,736	25,122	84,757
June.....	31,028	133,346	164,374	118,719	20,133	22,467	6,289	23,454	72,343
<b>Total.....</b>	<b>226,792</b>	<b>926,397</b>	<b>1,153,189</b>	<b>841,653</b>	<b>132,799</b>	<b>175,278</b>	<b>53,197</b>	<b>497,532</b>	<b>831,806</b>

*Production in Canada, Imports and Exports of Coke, by Provinces, January 1 to June 30, 1931 and 1932*

(Short tons)

	Year	Nova Scotia, New Brunswick and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	Canada
Production.....	1931	307,008	606,890	94,085	1,008,583
	1932	196,094	563,152	82,407	841,653
Imports.....	1931	15,780	394,394	6,208	416,372
	1932	5,529	214,634	2,168	222,331
Exports.....	1931	242	96	10,050	10,394
	1932	159	-	8,918	9,077
Apparent Consumption.....	1931	322,546	1,001,178	90,837	1,414,561
	1932	201,464	777,789	75,657	1,054,907

Coke used in iron blast furnaces, in Canada, during the period January 1, to June 30, 1932, was 80,499 tons.



## Copper

*Production of Copper in Canada, by Provinces and by Sources, January 1 to June 30, 1931 and 1932*

	1931		1932	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
<b>PRODUCTION—</b>				
By Provinces—				
Quebec.....	34,814,415	3,220,333	31,400,483	2,072,954
Ontario.....	65,777,279	5,982,094	42,333,941	2,501,893
Manitoba.....	15,575,254	1,440,711	28,322,274	1,869,383
British Columbia.....	33,110,093	3,062,684	27,143,755	1,701,596
<b>Total.....</b>	<b>149,277,041</b>	<b>13,705,822</b>	<b>129,206,453</b>	<b>8,235,826</b>
By Sources—				
In blister copper produced.....	126,211,455	11,874,569	106,696,377	7,086,107
In ores, copper matte and concentrates exported.....	19,346,503	1,789,527	11,669,333	769,629
In copper nickel matte exported.....	3,719,023	241,735	10,859,743	380,090
<b>Total.....</b>	<b>149,277,041</b>	<b>13,705,822</b>	<b>129,206,453</b>	<b>8,235,826</b>

## Gold

*Production of Gold in Canada, by Provinces and by Sources, January 1 to June 30, 1931 and 1932*

	1931		1932	
	Fine ounces	Value	Fine ounces	Value
		\$		\$
<b>NOVA SCOTIA—</b>				
In gold bullion.....	279	5,767	267	5,528
<b>QUEBEC—</b>				
In blister copper, gold bullion and in ores exported.....	147,420	3,047,442	214,290	4,429,767
<b>ONTARIO—</b>				
Porcupine Area—				
In gold bullion.....	457,761	9,462,759	502,228	10,381,974
Kirkland Lake Area—				
In gold bullion.....	507,532	10,491,617	580,034	11,990,780
Other gold mines and in matte and blister copper.....	31,029	653,830	45,819	940,901
<b>Total Ontario.....</b>	<b>996,322</b>	<b>20,608,206</b>	<b>1,127,801</b>	<b>23,313,715</b>
<b>MANITOBA—</b>				
In gold bullion and in blister copper.....	52,788	1,091,224	56,732	1,172,754
<b>ALBERTA.....</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>BRITISH COLUMBIA—</b>				
In alluvial gold.....	4,705	97,282	3,294	68,093
In gold bullion from gold mines.....	15,354	317,395	27,725	573,127
In blister copper.....	12,405	256,434	12,518	258,770
In base bullion and in ores exported.....	37,031	765,499	46,148	953,903
<b>Total.....</b>	<b>69,496</b>	<b>1,436,610</b>	<b>89,685</b>	<b>1,853,953</b>
<b>YUKON—</b>				
In alluvial gold and in ores exported.....	6,398	132,258	7,303	150,966
<b>Canada.....</b>	<b>1,273,393</b>	<b>26,321,597</b>	<b>1,496,078</b>	<b>30,926,683</b>

## Gypsum

*Production of Gypsum in Canada, January 1 to June 30, 1931 and 1932*

	1931		1932	
	Tons	Value	Tons	Value
		\$		\$
<b>Crude—</b>				
Lump or mine run.....	5,871	15,553	10,567	16,005
Crushed.....	221,455	248,681	83,804	96,085
Fine ground.....	689	4,189	1,607	9,334
Calcined gypsum.....	65,216	723,995	47,130	560,176
<b>Total sold or used.....</b>	<b>293,131</b>	<b>992,418</b>	<b>143,108</b>	<b>681,600</b>

## Iron and Steel

Production of Pig Iron and Ferro-Alloys in Canada, January 1 to June 30, 1931 and 1932

	1931			1932		
	In blast furnaces		Total	In blast furnaces		Total
	For own use	For sale		For own use	For sale	
Pig Iron—						
Basic.....	241,984	81	242,065	48,221	.....	48,221
Foundry.....	647	33,659	34,306	111	15,043	15,154
Malleable.....	-	22,851	22,851	-	13,826	13,826
<b>Total Pig Iron.....</b>	<b>242,631</b>	<b>56,591</b>	<b>299,222</b>	<b>48,332</b>	<b>28,869</b>	<b>77,201</b>
FERRO-ALLOYS.....	-	22,884	22,884	-	8,759	8,759

Production of Steel Ingots and Castings in Canada, January 1 to June 30, 1931 and 1932

(Long tons)

	1931			1932		
	For own use	For sale	Total production	For own use	For sale	Total production
STEEL INGOTS—						
Open-hearth—Basic.....	420,616	146	420,762	163,695	512	164,207
Electric.....	14,786	-	14,786	10,149	-	10,149
Other.....	-	-	-	-	-	-
<b>Total steel ingots.....</b>	<b>435,402</b>	<b>146</b>	<b>435,548</b>	<b>173,844</b>	<b>512</b>	<b>174,356</b>
STEEL CASTINGS—						
Open-hearth—Basic.....	942	10,596	11,538	308	1,367	1,675
Acid.....	-	-	-	-	-	-
Bessemer.....	25	775	800	66	435	501
Electric.....	130	13,861	13,991	233	3,723	3,956
<b>Total direct steel castings.....</b>	<b>1,097</b>	<b>25,232</b>	<b>26,329</b>	<b>607</b>	<b>5,525</b>	<b>6,132</b>
<b>Grand Total.....</b>	<b>436,499</b>	<b>25,378</b>	<b>461,877</b>	<b>174,451</b>	<b>6,037</b>	<b>180,488</b>

## Nickel

Production of Nickel in Canada, January 1 to June 30, 1931 and 1932

	1931		1932	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Nickel in matte and speiss exported.....	22,768,912	4,098,404	10,088,727	1,815,971
Refined and electrolytic nickel produced.....	16,018,479	4,285,456	10,309,372	3,107,533
Nickel in oxides and salts sold.....	1,903,171	663,271	764,687	242,559
<b>Total.....</b>	<b>40,690,562</b>	<b>9,047,131</b>	<b>21,162,786</b>	<b>5,166,063</b>

## Petroleum

Production of Crude Petroleum in Canada, January 1 to June 30, 1931 and 1932

Province	1931		1932	
	Barrels	Total value	Barrels	Total value
NEW BRUNSWICK.....	3,709	\$ 8,850	2,860	\$ 6,526
ONTARIO—				
Petrolia and Enniskillen.....	29,212	52,184	29,279	53,761
Oil Springs.....	15,363	28,958	15,585	30,179
Moore Township.....	1,829	3,265	1,941	3,565
Sarnia Township.....	836	1,492	738	1,355
Plympton Township.....	148	264	131	241
Bothwell.....	9,099	16,241	9,764	17,931
West Dover.....	444	793	150	275
Onondaga.....	15	57	-	-
Mosa Township.....	4,378	7,815	4,226	7,781
Dutton.....	335	598	285	523
Thamesville.....	299	534	290	533
Euphemia.....	112	200	294	540
<b>Total for Ontario.....</b>	<b>62,070</b>	<b>112,401</b>	<b>62,683</b>	<b>116,664</b>
ALBERTA.....	872,000	2,472,564	504,508	1,455,349
<b>Canada.....</b>	<b>937,779</b>	<b>2,593,815</b>	<b>570,141</b>	<b>1,578,539</b>

## Salt

*Production of Salt in Canada, by Grades, January 1 to June 30, 1931 and 1932*

Grade	1931			1932		
	Manu- factured	Sold	Value of salt sold (not including containers)	Manu- factured	Sold	Value of salt sold (not including containers)
	tons	tons	\$	tons	tons	\$
Table, dairy and pressed blocks.....	26,851	26,398	540,297	28,285	28,809	574,662
Common fine.....	27,391	27,405	164,057	28,873	27,586	175,252
Common coarse.....	21,123	20,714	164,253	22,536	23,274	158,187
Land salt.....	13	13	65	24	24	110
Other grades.....	39	39	205	22	22	101
Brine for chemical works (salt equivalent sold or used).....	41,337	41,337	41,999	47,968	47,968	47,968
<b>Total.....</b>	<b>116,754</b>	<b>115,906</b>	<b>919,876</b>	<b>127,708</b>	<b>127,677</b>	<b>956,290</b>
Value of containers.....	-	-	249,539	-	-	237,398
<b>Grand Total.....</b>	<b>-</b>	<b>-</b>	<b>1,169,415</b>	<b>-</b>	<b>-</b>	<b>1,193,678</b>

## Silver

*Production of Silver in Canada, by Provinces and by Sources, January 1 to June 30, 1931 and 1932*

	1931		1932	
	Quantity	Value	Quantity	Value
	fine oz.	\$	fine oz.	\$
NOVA SCOTIA—				
In gold bullion—Total.....	20	6	20	7
QUEBEC—				
In gold ores, in blister copper and in ores exported—Total.....	263,966	74,159	335,186	110,227
ONTARIO—				
In silver bullion.....	3,008,247	845,137	2,651,954	872,103
In gold bullion.....	180,901	50,822	215,408	70,838
*In matte, blister copper and in ores, concentrates and residues exported.....	712,615	200,202	510,338	167,826
Total.....	3,901,763	1,096,161	3,377,700	1,110,767
MANITOBA—				
In gold bullion and in blister copper—Total.....	382,283	107,399	572,649	188,317
BRITISH COLUMBIA—				
In alluvial gold.....	1,059	298	741	244
In gold bullion.....	3,575	1,004	6,405	2,106
In blister copper.....	456,366	128,211	362,834	119,319
In base bullion and in ores exported.....	3,921,239	1,101,633	3,329,672	1,094,973
Total.....	4,382,239	1,231,146	3,699,652	1,216,642
YUKON—				
In alluvial gold.....	1,440	405	1,614	530
In ores exported.....	2,770,007	778,205	1,464,790	481,701
Total.....	2,771,447	778,610	1,466,404	482,231
<b>Canada.....</b>	<b>11,791,718</b>	<b>3,287,481</b>	<b>9,451,611</b>	<b>3,108,191</b>

\*Contains silver in ores shipped to British Columbia smelters in 1932.



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## MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

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