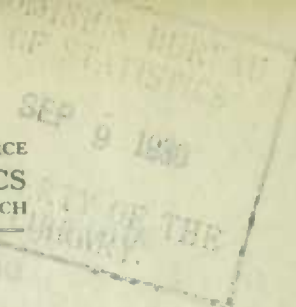


CANADA—DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
MINING, METALLURGICAL AND CHEMICAL BRANCH



REPORT ON THE MINERAL PRODUCTION OF CANADA

DURING THE SIX MONTHS ENDING

JUNE, 1929 \ 1930

(With Revised Statistics for the Calendar Year 1929)

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



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LIST OF PUBLICATIONS

PREPARED IN THE

MINING, METALLURGICAL AND CHEMICAL BRANCH DOMINION BUREAU OF STATISTICS

MINERAL PRODUCTION (Mining and Metallurgy).

General Reports—

Preliminary Reports (semi-annual) on the Mineral Production of Canada.

Monthly Report on Canada's Leading Mineral Products.

Annual Report on the Mineral Production of Canada. (In one volume.)

A comprehensive record of the mining industry embodying historical and world data, detailed information on mineral production, imports and exports for Canada and general statistics relative to the mining industry on capital investment, employment, fuel consumption and power equipment arranged in 11 chapters each dealing with a particular branch of the industry. Statistics on production and trade in mineral products appear in detail in the appropriate chapters. A list of operating companies with their office and plant addresses is included. Fully indexed. Chapter titles are:—Canada—The Provinces—The Gold Mining Industry—The Silver Mining Industry—The Nickel-Copper Industry—Miscellaneous Metal Mining Industries—The Non-Ferrous Smelting and Refining Industry—The Coal Mining, Coke, Natural Gas, Peat and Petroleum Industries—Non-Metal Mining Industries (Other than Fuels)—The Clay Products and Other Structural Materials Industries—Directory of Reporting Firms—Notes on the Methods of Computing Values—Index.

Coal—

Monthly and Quarterly Report on Coal and Coke Statistics for Canada.

A condensed report on production, imports and exports of coal and coke is issued monthly, publication being made about the twentieth of the next following month.

A more general review is published quarterly, showing statistics for each month for the quarter, and for the year to date on the output by coal-mining districts and by provinces, imports and exports by ports and by kinds of coal, employment in coal-mining, and tonnage lost. There is also a section on coke showing production, imports, exports, distribution and consumption by months and by provincial groups.

Annual Report on Coal Statistics for Canada.

Text and tables showing, for Canada, and for each of the coal-producing provinces, historical and current data on output, tonnage lost, disposition of coal from the mines, domestic and foreign shipment, exports and imports by ports, consumption of coal, prices, employment, salaries and wages paid, power equipment, capital investment, etc.

Bulletins—

(a) PRODUCTION—

Metals.—Arsenic—Cobalt—Copper—Gold—Lead—Nickel—Metals of the Platinum Group—Silver—Zinc—Miscellaneous Metals including Aluminium, Antimony, Chromite, Iron Ore, Manganese, Mercury, Molybdenum, Tin, Tungsten.

Non-Metals.—Abrasives—Asbestos—Coal—Feldspar—Gypsum—Iron Oxides—Mica—Natural Gas—Petroleum—Quartz—Salt—Tale and Soapstone—Miscellaneous Non-Metallic Minerals including Actinolite, Barytes, Fluorspar, Graphite, Magnesite, Magnesium Sulphate, Mineral Waters, Natro-Alunite, Peat, Phosphate, Pyrites, Sodium Carbonate, Sodium Sulphate.

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

(b) MINERAL INDUSTRY—

Each bulletin in this group shows in synopsis, material to be published subsequently as one chapter of the annual report on the mineral production of Canada. These bulletins are published in mimeograph form from time to time during the year as the necessary material becomes available.

By Industries.—Gold Mining Industry including Alluvial Gold, Auriferous Quartz and Copper-Gold-Silver Mining—Silver-Cobalt and Silver-Lead-Zinc Industry—Nickel-Copper Industry—Miscellaneous Metal Mining Industries—The Non-Ferrous Smelting and Refining Industry—The Coal Mining, Coke, Natural Gas, Peat and Petroleum Industries—Non-Metal Mining Industries (Other than Fuels)—The Clay Products and Other Structural Materials Industries.

By Provinces—Nova Scotia—New Brunswick—Quebec—Ontario—Manitoba—Saskatchewan—Alberta—British Columbia—Yukon.

SEE INSIDE BACK COVER FOR PUBLICATIONS ON MANUFACTURES BASED CHIEFLY ON MINERALS.

PREFACE

The present report includes statistics relating to the production in Canada of metals, non-metals and fuels for the first six months of 1930, with comparative data for the first half of 1929, and finally revised figures by items and by provinces for the calendar year 1929.

Data for the half-year are confined to a record of production of metals, non-metals and fuels. Statistics on the output of the structural materials such as cement, clay products, lime, stone and sand and gravel are not collected for inclusion in this report since these industries are operated at a greater capacity during the summer months and consequently production for the first six months does not, in all cases, represent half of the total for the calendar year.

It may be pointed out that though prices of several of the metals have shown a drastic recession during the period under review yet production of these metals is greater than during the same period in 1929, and also in excess of half of the total for the last calendar year. This indicates that the mining industry in Canada is firmly established and able to operate in a period of adverse market conditions.

New construction is being carried on by several of the large mining companies who are widening the scope of their purely mining and metallurgical operations to include the manufacture of commodities based on primary mineral products.

As in previous years, the Bureau has continued to work co-operatively in the collection of coal statistics with the provinces of Nova Scotia, New Brunswick, Saskatchewan, Alberta and British Columbia. Co-operative collection of general mineral production reports for the joint use of the Bureau and the provincial governments of Quebec, Ontario 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 valuable assistance rendered from time to time in connection with this report on the mining industry in Canada.

The thanks of the Bureau are also tendered to mine and smelter operators 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, receipt of which is gratefully acknowledged.

The report has been prepared under the direction of Mr. W. H. Losee, B.Sc., Chief of the Mining, Metallurgical and Chemical Branch of the Bureau. The data were assembled by Mr. B. R. Hayden, of the mineral division staff.

R. H. COATS,
Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
August 23, 1930.

PRELIMINARY REPORT OF THE MINERAL PRODUCTION OF CANADA DURING THE SIX MONTHS ENDING JUNE 30, 1930

Production in Canada of metals, non-metals and fuels during the first six months of 1930 was valued at \$116,360,409 as compared with \$123,702,334 for the half-year ending June 30, 1929, a decrease of 6 per cent. Lessened coal production, lower output of asbestos and the falling off in metal prices were the principal contributory factors of the decline.

Outputs for the principal metals showed gains over the same period in 1929. More arsenic, gold, silver, copper, nickel, platinum metals, lead and zinc were produced while the quantities of bismuth, cadmium and cobalt were not as great as in the previous year. In the fuels group, coal decreased 18.4 per cent in quantity and 18.9 per cent in value, but this was partially offset by a gain in production in petroleum and natural gas.

The production of non-metallic minerals, other than fuels, showed a recession of 19.9 per cent in the first six months of 1930 as compared with the same period of the previous year. Actinolite, graphite, gypsum, soapstone and sodium sulphate were the only minerals in this group to record increased outputs during the period under review.

No reports were obtained from producers of clay products and other structural materials because of the recognized seasonal nature in this field. Figures for the half-year ending June would not be representative of half the annual output in this class.

METALS

Metals as a group reached a production value of \$75,031,606, a decrease of only 0.6 per cent from the 1929 output value of \$75,476,321, but in quantity production nearly all the metals exceeded the outputs of the first half of 1929. Copper, gold and nickel were the leading items in point of value, followed by lead, silver, zinc, platinum metals, cobalt, cadmium, arsenic and bismuth.

Copper was produced in four provinces and registered a gain of 36.3 per cent in quantity over the first half of 1929. Production during the six months of 1930 amounted to 157,536,826 pounds valued at \$22,361,384 as against 115,586,068 pounds worth \$21,124,581 during the same period in 1929. The Stirling mine in Nova Scotia made a copper concentrate, thus bringing this eastern province back into the copper production column. Quebec's output reached a total of 42,166,024 pounds; the mines of Ontario accounted for 68,354,798 pounds, and the British Columbia output totalled 46,984,224 pounds. Copper in blister copper produced by Canadian smelters totalled 114,396,903 pounds, as against a total of 70,922,809 pounds in the first half of last year. Copper contained in concentrates exported and in nickel-copper matte exported reached a total of 43,000,000 pounds as against 44,500,000 in 1929. The price of copper at New York which in the calendar year 1929 averaged 18.107 cents per pound dropped to an average of 15.62 cents for the first half of the present year; the June figure standing at 12.049 cents.

Gold output continues to rise. Production for the half-year 1930 totalled 976,235 fine ounces worth \$20,180,568 as against 940,005 fine ounces worth \$19,431,626 during the first six months of 1929. Ontario, with an output of nearly 86 per cent of the total for Canada, produced 837,047 fine ounces made up of 420,421 ounces from the Porcupine camp, 403,109 ounces from the Kirkland lake camp, 5,382 ounces from other Ontario gold mines, and 8,135 ounces from nickel-copper and silver-lead-zinc mines. The Dome mine in the Porcupine area was not in production during the period but reported a small amount of gold recovered from the clean-up of the mill which was destroyed by fire on October 28, 1929. A new mill is being built. On June 19, 1930, announcement was made that work would start at once on the construction of a new mill of

2,000 tons daily capacity at the McIntyre mine. Completion was expected by April, 1931. The method of ore treatment to be employed is an adaptation of the flotation process worked out by the company's metallurgist. The Howey mine in the Red Lake district of northwestern Ontario came into production in April of this year. British Columbia was the second largest gold producing province, the output amounting to 69,987 fine ounces valued at \$1,446,760. The Union gold mine was added to the shipping list during the period. Quebec production continues to grow with the rise in output of copper from the Horne mine and during the first half of the present year reached a total of 52,186 fine ounces, worth \$1,078,780, as against 38,645 ounces valued at \$798,863 in 1929. Production in Manitoba for 10,010 fine ounces was slightly under the 1929 output for the same period; development at the San Antonio mine is meeting with encouragement. Output from the alluvial deposits of the Yukon Territory dropped to 5,892 fine ounces from 7,319 fine ounces in the first six months of 1929. A small production was also reported from the gold mines and the Stirling lead-zinc mine in Nova Scotia.

Production of nickel in the half-year ending June 30, 1930, amounted to 55,113,525 pounds worth \$12,995,271, a slight gain over the output for the first half of 1929 and included 31,641,694 pounds of refined and electrolytic nickel, 21,318,839 pounds of nickel in matte exported, and 2,152,992 pounds of nickel in nickel oxide and in nickel salts sold. The Falconbridge smelter commenced operations on February 5 of this year, the matte produced being shipped to Norway for treatment.

Lead production totalled 172,204,062 pounds as compared with 156,110,097 pounds during the first half of 1929 but the increase was not great enough to offset the lower prices for this metal and the value of output amounted to \$7,229,984 as against \$8,116,385 for the first half of last year. Increases in output occurred in British Columbia, due to a larger production at the Sullivan mine and to shipments of concentrates from the Monarch mine which began regular production from the new mill about the end of 1929. The Yukon Territory also reported a larger production and lead concentrates produced at the Stirling mine in Nova Scotia accounted for the output for that province. Ontario's output was curtailed and the Tetreault property in Quebec reported no shipments during the period under review.

Silver production during the half-year totalled 13,223,559 fine ounces and showed a gain of 16.9 per cent in quantity but due to much lower prices the total value was recorded at \$5,457,098 as compared with \$6,252,620 in 1929. The price of silver dropped from 45 cents per fine ounce in January to 34.595 cents in June, making the average for the period 41.268 cents. British Columbia produced 5,794,158 ounces, Ontario 4,870,188 ounces, the Yukon 2,286,514 ounces; Quebec, Nova Scotia and Manitoba accounted for the remainder.

Zinc production rose to a total of 123,371,385 pounds valued at \$4,826,289, the total output for the half-year being 19.4 per cent higher in quantity but 19.0 per cent lower in value than that reported for the first half of 1929. British Columbia accounted for over 97 per cent of the total, the remainder being made up from shipments from the Errington mine in Ontario and production from the Stirling mine in Nova Scotia. The mill of the Amulet mine in northwestern Quebec was turned over on April 6 and production of copper and zinc concentrates was commenced on April 15. The copper concentrate was shipped to the Noranda smelter and the zinc concentrate will be shipped to Belgium.

Production of platinum, palladium and other metals of this group was valued at \$1,185,941. Refining of practically all of the Canadian output of these metals is now being carried on at Acton in England.

Arsenic production increased 12.3 per cent in quantity and 5.1 per cent in value over the first six months of 1929.

Bismuth, cadmium and cobalt each showed a smaller output than in the first half of 1929.

FUELS

Coal output was less in every province. Crude petroleum and natural gas showed gains but not enough to offset the decline in coal, so that the value of the production of this group was 12.9 per cent less than for the first six months of 1929. Total production of coal for the half-year ending June was 7,159,761 short tons valued at \$25,854,127, a decrease of 18.4 per cent in quantity and 18.9 per cent in value for the same period in 1929. The mines of Nova Scotia led all other provinces in output and yielded 3,126,651 short tons; New Brunswick produced 111,095 short tons; Saskatchewan, 241,555 short tons; Alberta, 2,565,701 short tons; and

British Columbia, 1,114,759 short tons. Based on data for output, imports and exports, the tonnage of coal made available for use in Canada during the half-year ending June 30, 1930, was 14,115,567 short tons as against 15,762,946 short tons in the first half of the preceding year.

Crude petroleum production in Canada is growing annually. Output from Alberta wells averaged about 97,000 barrels per month during the first half of the present year. The total production of the Dominion for the period under review was 639,884 barrels worth \$2,171,382, of which Alberta contributed 91 per cent; Ontario, 8.6 per cent; and New Brunswick the remainder.

Shipments of peat during the period under review amounted to 1,543 tons valued at \$7,856. This production was obtained from the St. Hyacinthe bog in Quebec.

Natural gas production during the half-year at 15,928,745 thousand cubic feet valued at \$5,665,391 showed a gain of 13.1 per cent in quantity and 9.1 per cent in value over the figures for the corresponding period of last year. Alberta was the largest producer; the output from wells in this province accounted for 68 per cent of the total for Canada. Much gas is being obtained from the wet gas wells in the Turner Valley field and it is understood arrangements are being made for the extension of existing pipe lines so that more of this fuel can be utilized. An experiment is now being made to store gas from the Turner Valley field in the exhausted sands of the Bow Island field.

NON-METALLICS

Asbestos production was 123,693 tons valued at \$4,570,733, a decrease of 12.9 per cent in quantity and 26.8 per cent in value as compared with the totals for the first six months of 1929.

An appreciable increase in output was recorded in the gypsum industry for the first half of 1930. Shipments by producers in Nova Scotia, New Brunswick, Ontario, Manitoba and British Columbia amounted to 440,065 tons worth \$1,284,474, as against 321,310 tons at \$1,270,541 shipped during the same period of 1929.

Salt production during the half-year totalled 146,484 tons valued at \$849,453, a decrease of 10.9 per cent in quantity and an increase of 11.9 per cent in value as compared with the totals for the corresponding period of 1929.

A decline of 24.3 per cent was recorded in the shipments of magnesite by Canadian producers; the production for the period was 7,360 tons with a valuation of \$183,603.

Sulphur output in Canada is computed as the sulphur content of pyrites shipped and the estimated quantity of sulphur in bessemer gases used in the manufacture of sulphuric acid. The production from these sources during the first six months of 1930 was valued at \$150,092.

Quartz production in Canada decreased 52.9 per cent in quantity and 40 per cent in value; the shipments for the period were 56,757 tons valued at \$126,595.

Feldspar shipments decreased 57.7 per cent during the first half of 1930. Ontario and Quebec operators produced 7,858 tons as compared with 18,552 tons in the corresponding period of last year.

A substantial gain was shown in the production of graphite in Canada during 1930; the total for the period was 1,326 tons worth \$79,769.

Ontario producers of talc reported a falling-off in shipments; the total output during the six months under review was 6,822 tons as against 7,703 tons in the first half of last year.

The advance in production of sodium sulphate from Saskatchewan deposits was a feature worthy of more than passing notice. Shipments during the first six months increased 69.6 per cent to a total of 5,721 tons. Statistics for the period record the inauguration of sodium sulphate shipments from Horseshoe lake, Saskatchewan, to Coppercliff, Ontario.

The tonnage of mica shipped decreased considerably during the period under review, but the total value did not change materially. Explanation of this lies in the fact that there were included in the total for this period large shipments of screened scrap mica and this screened mica commands a much higher price than ordinary scrap mica.

Other non-metallic minerals produced during the first half of 1930 were: iron oxides, soapstone, silica brick, mineral waters, diatomite, volcanic dust, sodium carbonate, bog manganese, bituminous sands, phosphate, barytes, actinolite, fluorspar.

PRICES

The average monthly prices of metals showed a considerable decline during the first six months of the present year and have been the cause of shutting down or curtailing operations of some of the smaller properties. In January, silver averaged 45 cents per fine ounce, it declined to 40.736 cents in May and in June broke to an average of 34.595 cents with little hope of any improvement in the situation in the near future unless new uses can be found for this metal.

Copper averaged 17.775 cents per pound during the first three months of the year; in April it stood at 15.621 cents and in June the price fell off to an average of 12.049 cents, making the average for the first six months of 1930, 15.62 cents per pound. Lead prices were also lower; New York quotations averaged 5.77 cents for the first half-year as against 7.023 cents in 1929; and the London price transposed to Canadian funds averaged 4.186 cents as compared with 5.181 cents in 1929. Zinc fell off also; quotations for the months from January to June inclusive at St. Louis averaged 4.878 cents as against 6.521 cents in 1929; the average London price being 3.912 cents as against 5.764 cents in the corresponding period of the previous year.

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 as 100. On this basis general mining during the half-year ending June, 1930, stood at 116.8 as against 116.3 during the first six months of 1929. Coal mining showed an average employment index of 101.5 as compared with 105.4 in the first half of last year. Metal mining stood at 147.7 as against 132.4 during the same period in 1929. Non-metal mining was recorded at 124.3, whereas during the first six months of the preceding year the figure was 130.7.

Seasonal conditions affect each class of mining in a different manner. Coal mining shows a decline in the summer months, while metal mining and non-metal mining indexes of employment usually reflect increased activity during the same period.

FINAL 1929 FIGURES

Canada's mineral production in 1929 at \$310,850,246 was greater than any other former year and marked an increase of 13 per cent over the 1928 output of \$274,989,487. New records were established in the output of asbestos, cement, clay products, copper, gold, lime, natural gas, nickel, petroleum, salt, stone and zinc.

* * * * *

Lessened demand and lower prices are having a deterrent effect on the mining industry at the present time, but nevertheless companies are showing their faith in the future of the industry in Canada by planning for larger production when conditions become more favourable.

Mineral Production of Canada for the Twelve Months ending December 31, 1929, and also for the Period January 1, to June 30, 1929 and 1930

		1929		1929		1930	
		12 months		January 1 to June 30		January 1 to June 30	
		Quantity	Value	Quantity	Value	Quantity	Value
METALLICS			\$		\$		\$
Arsenic.....	lb.	5,230,088	171,320	1,895,251	64,578	2,128,902	67,871
Bismuth.....	lb.	194,329	307,114	28,339	28,339	5,790	3,031
Cadmium.....	lb.	773,976	675,294	501,242	451,118	163,843	126,159
Chromite.....	tons	126	900	—	—	—	—
Cobalt.....	lb.	929,415	1,801,915	470,588	946,699	325,727	598,007
Copper.....	lb.	248,120,760	43,415,251	115,586,068	21,124,581	157,536,826	22,361,384
Gold.....	fine oz.	1,928,308	39,861,663	940,005	19,431,626	976,235	20,180,568
Iron ore sold for export.....	tons	2,718	7,359	—	—	—	—
Lead.....	lb.	326,522,566	16,544,248	156,110,097	8,110,385	172,204,062	7,229,984
Molybdenite.....	lb.	10,150	6,400	—	—	—	—
Nickel.....	lb.	110,275,912	27,115,461	54,998,075	12,872,039	55,113,525	12,995,271
Palladium, Rhodium, etc.*.....	fine oz.	17,318	809,289	2,987	87,786	14,238	496,800
Platinum*.....	fine oz.	12,519	846,756	2,503	144,598	13,124	689,141
Silver.....	fine oz.	23,143,261	12,264,308	11,307,341	6,252,620	13,223,559	5,457,068
Zinc.....	lb.	197,267,087	10,626,778	103,330,350	5,955,962	123,371,385	4,826,289
Total metallics.....		—	154,454,056	—	75,476,321	—	75,631,666
NON-METALLICS							
Fuels							
Coal.....	tons	17,490,557	63,065,170	8,770,599	31,863,948	7,159,761	25,854,127
Natural gas.....	M cu. ft.	28,378,462	9,977,124	14,087,048	5,191,178	15,928,745	5,665,391
Peat.....	tons	2,607	13,339	300	1,350	1,513	7,856
Petroleum, crude.....	brl.	1,117,368	3,731,764	470,238	1,648,025	639,884	2,171,382
Total fuels.....		—	76,787,397	—	38,704,501	—	33,698,756

•Pyrites.

Comparative Table of Mineral Production of Canada, January 1 to June 30, 1929 and 1930

		Increase (+) or Decrease (-)		Increase (+) or Decrease (-)	
		Quantity	Per cent	Value	Per cent
				\$	
METALLICS					
Arsenic.....	lb.	+ 233,651	+ 12.3	+ 3,206	+ 5.1
Bismuth.....	lb.	- 22,540	- 79.6	- 25,308	- 89.3
Cadmium.....	lb.	- 337,399	- 67.3	- 324,959	- 72.1
Cobalt.....	lb.	- 144,861	- 30.8	- 348,692	- 36.8
Copper.....	lb.	+ 41,950,758	+ 36.3	+ 1,236,803	+ 5.8
Gold.....	fine oz.	+ 36,230	+ 3.8	+ 748,942	+ 3.8
Lead.....	lb.	+ 16,093,965	+ 10.3	+ 886,401	+ 11.0
Nickel.....	lb.	+ 115,450	+ 0.2	+ 123,242	+ 0.9
Palladium, Rhodium.....	fine oz.	+ 11,251	+ 376.7	+ 409,014	+ 465.9
Platinum.....	fine oz.	+ 10,621	+ 424.3	+ 544,543	+ 376.6
Silver.....	fine oz.	+ 1,916,218	+ 16.9	+ 795,522	+ 12.7
Zinc.....	lb.	+ 20,041,035	+ 19.4	+ 1,129,673	+ 19.0
Total.....		-	-	- 444,715	- 66.6
NON-METALLICS					
Fuels					
Coal.....	tons	- 1,616,838	- 18.4	- 6,009,821	- 18.9
Natural gas.....	M cu. ft.	+ 1,841,677	+ 13.1	+ 474,213	+ 9.1
Peat.....	tons	+ 1,243	+ 414.3	+ 6,506	+ 481.9
Petroleum, crude.....	brls.	+ 169,646	+ 36.1	+ 523,357	+ 31.7
Total.....		-	-	- 5,065,745	- 12.9
Other Non-Metallics					
Actinolite.....	tons	+ 8	+ 30.8	+ 112	+ 34.5
Asbestos.....	tons	- 18,286	- 12.9	- 1,673,896	- 26.8
Barytes.....	tons	- 13	- 34.2	- 289	- 33.9
Bituminous sands.....	tons	- 331	- 54.6	- 1,424	- 60.9
Diatomite.....	tons	- 51	- 23.3	- 855	- 15.3
Feldspar.....	tons	- 10,694	- 57.7	- 96,297	- 54.5
Fluorspar.....	tons	+ 20	-	+ 350	-
Graphite.....	tons	+ 402	+ 43.5	+ 22,561	+ 39.4
Gypsum.....	tons	+ 118,755	+ 36.9	+ 13,933	+ 1.1
Iron oxides.....	tons	- 1,084	- 42.9	- 19,965	- 36.4
Magnesite.....	tons	- 2,365	- 24.3	- 78,701	- 30.0
Manganese, bog.....	tons	+ 184	-	+ 1,104	-
Mica.....	tons	- 1,387	- 87.6	- 9,512	- 15.3
Mineral water.....	Imp. gal.	- 47,815	- 27.3	- 6,699	- 40.4
Phosphate.....	tons	- 1,178	- 96.7	- 15,354	- 95.3
Quartz.....	tons	- 63,666	- 52.9	- 84,236	- 40.0
Salt.....	tons	- 17,870	- 10.9	+ 90,169	+ 11.9
Silica brick.....	M	- 1,085	- 69.0	- 51,180	- 68.6
Soapstone.....	tons	-	-	+ 6,918	+ 38.5
Sodium carbonate.....	tons	- 126	- 41.9	- 1,549	- 39.6
Sodium sulphate.....	tons	+ 2,348	+ 69.6	+ 27,684	+ 76.1
Sulphur.....	tons	-	-	+ 4,268	+ 2.8
Talc.....	tons	- 881	- 11.4	- 10,934	- 12.1
Volcanic dust.....	tons	+ 1	+ 0.5	+ 863	+ 25.0
Total.....		-	-	- 1,891,465	- 19.9

MONTHLY STATISTICS

For several years Canadian production figures have been published monthly of coal, coke, iron and steel, and automobiles. But up to the beginning of the present year the only monthly statistics relating to Canada's other mineral output were published outside the country. To remedy this situation the Bureau from January, 1929, has kept in touch monthly with the output of leading minerals in Canada, the results of the first year's work being shown in the preliminary report of Canada's mineral production published in February, 1930. Bulletins are now issued monthly on the production of Canada's sixteen leading mineral products. The following table shows the data by items and by months from January to June, 1930.

Monthly Production of Leading Minerals in Canada, January 1 to June 30, 1930

Month	Asbestos	Cement	Clay Products	Coal	Copper	*Feldspar	Gold	Gypsum
	tons	brls.	\$	tons	lb.	tons	fine oz.	tons
January.....	17,117	269,195	477,449	1,630,178	24,936,756	2,510	151,114	11,277
February.....	16,112	295,810	446,813	1,185,458	24,226,221	7,470	145,436	11,410
March.....	18,559	448,884	620,321	1,129,671	28,194,655	1,195	163,771	15,573
April.....	23,825	781,736	848,373	907,451	26,599,188	510	169,166	51,936
May.....	23,015	1,206,551	1,139,373	1,114,818	27,481,810	810	168,267	112,358
June.....	24,035	1,313,683	1,207,011	1,192,255	26,098,199	1,355	175,181	237,511
Total.....	123,693	4,315,862	4,739,470	7,153,761	157,536,826	13,890	976,235	440,065

Month	Lead	Lime	Natural Gas	Nickel	Petroleum	Salt	Silver	Zinc
	lb.	tons	M cu. ft.	lb.	brls.	tons	fine oz.	lb.
January.....	23,231,247	42,437	3,888,517	8,228,010	100,496	24,530	1,709,222	17,754,289
February.....	31,860,290	36,118	3,178,862	7,734,229	89,961	20,245	1,841,830	20,686,156
March.....	32,235,285	40,108	3,016,480	9,836,941	119,350	22,873	1,814,597	22,347,219
April.....	29,360,473	42,412	2,433,026	10,190,755	102,335	20,792	2,568,017	20,180,602
May.....	26,625,102	47,664	2,107,290	9,538,891	106,339	26,534	2,185,482	19,896,561
June.....	28,891,665	43,587	1,304,570	8,584,699	121,403	25,510	3,104,405	22,506,558
Total.....	172,214,062	252,326	15,928,745	55,113,525	639,894	146,484	13,223,559	123,371,385

*These figures are based on monthly exports and for this reason do not check with the actual shipments reported by producers during the half year.

Mineral Production of Canada, by Provinces, 1927-1929

Province	1927		1928		1929	
	Value of production	Per cent of total	Value of production	Per cent of total	Value of production	Per cent of total
	\$		\$		\$	
Nova Scotia*.....	30,111,221	12.17	30,524,392	11.10	30,901,453	9.94
New Brunswick.....	2,148,535	0.87	2,198,910	0.80	2,439,072	0.79
Quebec.....	28,870,403	11.67	37,037,420	13.47	46,358,285	14.63
Ontario.....	89,982,962	36.38	99,584,718	36.22	117,662,505	37.85
Manitoba.....	2,888,912	1.17	4,186,853	1.52	5,423,825	1.75
Saskatchewan.....	1,455,225	0.59	1,719,461	0.63	2,253,509	0.72
Alberta.....	29,309,223	11.85	32,531,416	11.83	31,739,956	11.17
British Columbia.....	60,801,170	24.58	64,496,351	23.45	68,162,878	21.92
Yukon.....	1,789,044	0.72	2,709,057	0.98	2,905,736	0.93
Total.....	247,356,635	100.00	274,989,487	100.00	316,859,216	100.00

* Includes small production from Prince Edward Island.

Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1929

	Nova Scotia	New Brun- swick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon
METALLICS									
Arsenic..... lb.	-	-	-	3,742,913	-	-	-	1,487,175	-
\$	-	-	-	154,887	-	-	-	16,433	-
Bismuth..... lb.	-	-	-	27,446	-	-	-	166,883	-
\$	-	-	-	23,413	-	-	-	283,701	-
Cadmium..... lb.	-	-	-	-	-	-	-	773,976	-
\$	-	-	-	-	-	-	-	675,294	-
Chromite..... tons	-	-	-	-	-	-	-	126	-
\$	-	-	-	-	-	-	-	900	-
Cobalt..... lb.	-	-	-	929,415	-	-	-	-	-
\$	-	-	-	1,801,915	-	-	-	-	-
Copper..... lb.	-	-	55,337,169	88,879,853	-	-	-	103,903,738	-
\$	-	-	10,019,901	14,622,572	-	-	-	18,772,778	-
Gold..... fine oz.	2,687	-	90,798	1,622,267	22,455	-	5	154,204	35,892
\$	55,545	-	1,876,061	33,535,234	464,186	-	103	3,187,660	741,954
Iron ore sold for ex-tons	-	-	2,748	-	-	-	-	-	-
port. \$	-	-	7,359	-	-	-	-	-	-
Lead..... lb.	-	-	5,358,304	4,769,506	-	-	-	307,999,153	8,395,603
\$	-	-	270,616	294,431	-	-	-	15,555,189	424,012
Molybdenite..... lb.	-	-	19,150	-	-	-	-	-	-
\$	-	-	6,400	-	-	-	-	-	-
Nickel..... lb.	-	-	-	110,275,912	-	-	-	-	-
\$	-	-	-	27,115,401	-	-	-	-	-
Palladium, Rhodi-um, etc.* fine oz.	-	-	-	17,111	-	-	-	177	-
\$	-	-	-	802,453	-	-	-	6,836	-
Platinum* fine oz.	-	-	-	12,474	-	-	-	45	-
\$	-	-	-	843,928	-	-	-	2,828	-
Silver..... fine oz.	132	-	813,821	8,890,726	2,644	-	-	10,156,408	3,279,530
\$	70	-	431,268	4,711,462	1,401	-	-	5,382,185	1,737,922
Zinc..... lb.	-	-	19,653,440	5,516,803	-	-	-	172,090,841	-
\$	-	-	1,058,731	297,190	-	-	-	9,270,857	-
Total..... \$	55,615	-	13,671,236	84,292,946	465,587	-	103	53,154,681	2,903,888
NON-METALLICS									
Fuels									
Coal..... tons	7,056,133	218,706	-	-	-	580,189	7,150,693	2,490,378	458
\$	28,071,956	909,169	-	-	-	903,226	22,928,182	10,160,789	1,848
Natural gas.... M cu. ft.	-	678,456	-	8,586,475	600	-	10,112,931	-	-
\$	-	333,002	-	4,959,695	180	-	4,684,247	-	-
Peat..... tons	-	-	1,607	1,000	-	-	-	-	-
\$	-	-	8,839	4,500	-	-	-	-	-
Petroleum, crude, bbl.	-	7,499	-	121,194	-	-	988,675	-	-
\$	-	19,909	-	253,678	-	-	3,458,177	-	-
Total..... \$	28,071,956	1,262,080	8,839	5,217,873	180	983,226	31,070,696	10,160,789	1,848
Other Non-Metallics									
Actinolite..... tons	-	-	-	30	-	-	-	-	-
\$	-	-	-	375	-	-	-	-	-
Asbestos..... tons	-	-	308,055	-	-	-	-	-	-
\$	-	-	13,172,581	-	-	-	-	-	-
Barytes..... tons	105	-	-	-	-	-	-	-	-
\$	2,341	-	-	-	-	-	-	-	-
Beryl crystals..... lb.	-	-	-	4,456	-	-	-	-	-
\$	-	-	-	114	-	-	-	-	-
Bituminous sands..... tons	-	-	-	-	-	-	980	-	-
\$	-	-	-	-	-	-	395-6	-	-
Diatomite..... tons	254	-	-	-	-	-	-	175	-
\$	5,080	-	-	-	-	-	-	5,250	-
Feldspar..... tons	-	-	15,790	21,737	-	-	-	-	-
\$	-	-	133,492	200,979	-	-	-	-	-
Fluorspar..... tons	-	-	-	70	-	-	-	17,800	-
\$	-	-	-	1,120	-	-	-	267,000	-
Graphite..... tons	-	-	173	1,288	-	-	-	-	-
\$	-	-	12,652	90,522	-	-	-	-	-
Grindstones..... tons	6	1,731	-	-	-	-	-	210	-
\$	110	103,514	-	-	-	-	-	2,730	-
Gypsum..... tons	948,895	70,482	-	100,347	67,269	-	-	24,696	-
\$	1,152,160	485,982	-	832,689	631,051	-	-	243,814	-
Iron oxides..... tons	-	-	6,220	-	-	-	-	298	-
\$	-	-	113,932	-	-	-	-	2,000	-
Magnesite..... tons	-	-	18,809	-	-	-	-	-	-
\$	-	-	401,170	-	-	-	-	-	-
Manganese, bog..... tons	-	300	-	-	-	-	-	1	-
\$	-	1,800	-	-	-	-	-	30	-
Mica..... tons	-	-	1,062	2,991	-	-	-	-	-
\$	-	-	72,630	45,919	-	-	-	-	-
Mineral water, Imp. gal.	-	-	12,205	309,700	-	-	-	-	-
\$	-	-	2,488	13,651	-	-	-	-	-
Phosphate..... tons	-	-	40	-	-	-	-	1,145	-
\$	-	-	800	-	-	-	-	4,580	-
Pyrites (see Sulphur)	-	-	-	-	-	-	-	-	-
Quartz..... tons	11,845	-	46,444	187,973	10,045	-	-	9,642	-
\$	31,388	-	132,532	316,050	35,610	-	-	45,947	-
Salt..... tons	27,819	-	-	302,445	-	-	-	-	-
\$	157,662	-	-	1,420,424	-	-	-	-	-
Silica brick..... M	2,385	-	-	1,566	-	-	-	-	-
\$	93,207	-	-	80,374	-	-	-	-	-

Finally Revised Statistics on the Mineral Production of Canada, by Provinces, 1929—Concluded

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
Soapstone.....tons	-	-	-	-	-	-	-	-	-
\$	-	-	47,986	-	-	-	-	600	-
Sodium carbonate...tons	-	-	-	-	-	-	-	8,100	-
\$	-	-	-	-	-	5,018	-	-	-
Sodium sulphate...tons	-	-	-	-	-	64,112	-	-	-
\$	-	-	9,926	4,579	-	-	-	28,276	-
Sulphur(x).....tons	-	-	73,119	51,516	-	-	-	226,208	-
\$	-	-	-	15,463	-	-	-	46	-
Talc.....tons	-	-	-	180,492	-	-	-	720	-
\$	-	-	-	-	-	300	-	-	-
Volcanic dust.....tons	-	-	-	-	-	6,000	-	-	-
\$	-	-	-	-	-	-	-	-	-
Total.....\$	1,441,948	591,296	14,253,382	3,249,225	666,661	70,112	3,956	896,379	-
CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS									
Brick—									
Soft mud process—									
Face.....M	185	60	1,000	25,379	-	-	-	-	-
\$	2,405	1,500	12,000	522,191	-	-	-	-	-
Common.....M	757	3,471	7,408	38,054	14,409	473	3,390	9,376	-
\$	10,020	55,120	76,963	606,714	234,481	7,031	45,932	159,250	-
Stiff mud process (wire cut)—									
Face.....M	1,651	432	38,146	63,570	3,040	2,071	2,281	2,903	-
\$	44,654	10,808	771,573	1,333,723	70,940	82,790	67,166	107,763	-
Common.....M	12,818	2,124	99,818	31,524	-	10,573	13,896	86	-
\$	160,903	31,860	1,529,751	505,958	-	121,833	157,250	1,893	-
Dry press—									
Face.....M	-	-	2,990	30,291	-	1,184	4,125	-	-
\$	-	-	81,333	611,625	-	38,052	81,851	-	-
Common.....M	-	-	-	5,482	-	-	18,322	2,327	-
\$	-	-	-	76,016	-	-	254,472	37,551	-
Fancy or ornamental brick....M	-	-	75	111	-	-	-	-	-
\$	-	-	3,783	9,012	-	-	-	-	-
Sewer brick.....M	-	-	-	4,631	-	-	-	134	-
\$	-	-	-	92,316	-	-	-	4,272	-
Paving brick.....M	-	-	-	-	-	-	-	97	-
\$	-	-	-	-	-	-	-	3,844	-
Firebrick.....M	154	-	-	-	-	809	59	4,175	-
\$	11,340	-	-	-	-	43,384	2,934	193,385	-
Fireclay.....tons	2,972	47	-	-	-	754	48	1,220	-
\$	10,669	1,863	-	-	-	5,965	624	16,105	-
Kaolin.....tons	-	-	-	-	-	-	-	-	-
\$	-	-	-	-	-	-	-	-	-
Bentonite.....tons	-	-	-	-	-	-	-	-	-
\$	-	-	-	-	-	-	-	-	-
Fireclay blocks and shapes.....\$	675	1,351	-	-	-	106,643	-	21,742	-
Hollow blocks.....tons	15,455	1,119	49,483	103,454	2,785	13,257	20,812	15,430	-
\$	182,076	23,734	536,684	972,993	41,254	111,072	195,503	151,068	-
Roofing tile.....No	-	-	-	35,075	-	-	-	-	-
\$	-	-	-	4,628	-	-	-	-	-
Floor tiles (quarries) sq. ft.	-	-	-	307,400	-	-	-	-	-
\$	-	-	-	70,186	-	-	-	-	-
Drain tile.....M	131	-	807	22,535	392	25	158	952	-
\$	5,284	-	28,500	629,322	15,565	1,000	7,711	32,934	-
Sewer pipe, copings, flue linings, etc....\$	225,128	-	147,115	1,167,463	-	-	335,954	130,227	-
Pottery, glazed or unglazed.....\$	-	33,770	-	96,394	-	-	193,030	-	-
Other clay products \$	-	-	-	131,821	-	4,152	-	6,393	-
Total.....\$	653,157	169,066	3,187,702	6,830,162	362,240	562,522	1,342,427	866,427	-
Cement.....bbl.	-	-	5,169,408	1,624,712	1,000,258	-	608,796	680,907	-
\$	-	-	7,120,374	6,608,246	2,350,606	-	1,770,786	1,487,223	-
Lime.....tons	42,001	15,518	166,892	370,158	32,246	-	7,681	39,591	-
\$	154,187	174,553	1,264,194	3,364,411	361,104	-	79,569	510,592	-
Sand and gravel.....tons	332,599	525,857	6,203,231	11,358,548	1,782,085	3,496,679	1,721,930	2,425,996	-
\$	151,368	46,167	1,534,699	3,462,379	322,430	687,646	447,993	665,132	-
Stone.....tons	204,700	27,352	3,484,471	5,239,672	192,109	-	5,183	408,931	-
\$	376,222	204,970	5,317,859	4,736,263	895,017	-	24,546	511,655	-
Total.....\$	681,777	425,699	15,237,126	18,171,299	3,929,157	687,646	2,322,894	3,174,692	-
Grand Total.....\$	30,904,453	2,439,072	46,358,285	117,662,565	5,423,825	2,253,506	34,739,986	68,162,878	2,965,736

*NOTE.—The 1929 production of platinum metals from Ontario ores included in the above table represents the actual recoveries of refined metals during 1929, from both the Mond and International groups of mines. Heretofore, the Mond Company reported (estimated) precious and rare metals recoverable from concentrates, etc., as determined by assay, while the International company reported actual metal recoveries. In consequence the Mond recoveries for 1929 include a substantial portion of its 1928 metals estimated as recoverable but not actually refined, and so involving certain duplication. Hereafter only figures of actual recoveries by the amalgamated companies will be reported and included in the total mineral output of the Province, and overlapping will thereby be avoided. This note also refers to table on page 8.

Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1929

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
METALLICS									
Arsenic..... lb.	-	-	-	1,535,251	-	-	-	360,000	-
Bismuth..... lb.	-	-	-	60,600	-	-	-	3,978	-
Cadmium..... lb.	-	-	-	14,981	-	-	-	13,358	-
Cobalt..... lb.	-	-	-	14,981	-	-	-	13,358	-
Copper..... lb.	-	-	-	-	-	-	-	501,242	-
Copper..... \$	-	-	-	470,588	-	-	-	451,118	-
Copper..... lb.	-	-	-	946,699	-	-	-	-	-
Gold..... fine oz.	882	-	27,004,660	37,849,040	-	-	-	50,732,359	-
Gold..... \$	18,233	-	4,979,391	6,790,650	-	-	-	9,354,540	-
Lead..... lb.	-	-	38,645	798,881	12,721	-	5	81,552	7,310
Lead..... \$	-	-	798,863	16,514,335	262,966	-	103	1,085,829	151,207
Nickel..... lb.	-	-	2,817,363	2,624,645	-	-	-	146,149,200	4,518,889
Nickel..... \$	-	-	145,908	164,303	-	-	-	7,571,090	234,124
Palladium, Rhodium, etc..... fine oz.	-	-	-	54,998,075	-	-	-	-	-
Palladium, Rhodium, etc..... \$	-	-	-	12,872,029	-	-	-	-	-
Platinum..... fine oz.	-	-	-	2,987	-	-	-	-	-
Platinum..... \$	-	-	-	87,786	-	-	-	-	-
Silver..... fine oz.	-	-	-	2,503	-	-	-	-	-
Silver..... \$	-	-	-	144,508	-	-	-	-	-
Zinc..... lb.	44	-	435,964	4,064,962	1,530	-	-	4,724,346	2,080,495
Zinc..... \$	24	-	241,075	2,247,802	846	-	-	2,612,422	1,150,451
Total..... \$	18,257	-	6,764,266	39,959,230	263,812	-	163	26,934,772	1,535,872
NON-METALLICS									
Fuels									
Coal..... tons	3,455,327	116,769	-	-	-	260,290	3,631,615	1,312,598	-
Coal..... \$	13,852,497	487,914	-	-	-	444,949	11,687,423	5,391,165	-
Natural gas..... M cu. ft.	-	423,434	-	3,900,000	100	-	9,703,534	-	-
Peat..... tons	-	209,008	-	2,340,000	30	-	2,642,140	-	-
Petroleum, crude... brl.	-	-	-	300	-	-	-	-	-
Petroleum, crude... \$	-	-	-	1,350	-	-	-	-	-
Petroleum, crude... tons	-	3,950	-	50,318	-	-	405,970	-	-
Petroleum, crude... \$	-	10,420	-	145,897	-	-	1,491,798	-	-
Total..... \$	13,852,497	707,342	-	2,487,157	26	444,949	15,821,361	5,391,165	-
Other Non-Metallics									
Actinolite..... tons	-	-	-	26	-	-	-	-	-
Actinolite..... \$	-	-	-	325	-	-	-	-	-
Asbestos..... tons	-	-	141,979	-	-	-	-	-	-
Asbestos..... \$	-	-	6,244,629	-	-	-	-	-	-
Barytes..... tons	38	-	-	-	-	-	-	-	-
Barytes..... \$	854	-	-	-	-	-	-	-	-
Bituminous sands..... tons	-	-	-	-	-	-	-	-	-
Bituminous sands..... \$	-	-	-	-	-	-	-	-	-
Diatomite..... tons	99	-	-	-	-	-	585	-	-
Diatomite..... \$	1,980	-	-	-	-	-	2,340	-	-
Feldspar..... tons	-	-	9,103	9,449	-	-	-	120	-
Feldspar..... \$	-	-	77,673	99,190	-	-	-	3,600	-
Graphite..... tons	-	-	-	924	-	-	-	-	-
Graphite..... \$	-	-	-	57,208	-	-	-	-	-
Gypsum..... tons	206,279	26,660	-	51,983	24,528	-	-	11,860	-
Gypsum..... \$	297,270	213,799	-	340,040	292,992	-	-	126,440	-
Iron oxides..... tons	-	-	2,425	-	-	-	-	100	-
Iron oxides..... \$	-	-	53,920	-	-	-	-	885	-
Magnesite..... tons	-	-	9,725	-	-	-	-	-	-
Magnesite..... \$	-	-	262,304	-	-	-	-	-	-
Mica..... tons	-	-	788	999	-	-	-	-	-
Mica..... \$	-	-	48,978	13,255	-	-	-	-	-
Mineral water, imp. gal.	-	-	7,197	168,000	-	-	-	-	-
Phosphate..... tons	-	-	2,044	14,543	-	-	-	-	-
Pyrites..... tons	-	-	40	-	-	-	-	1,178	-
Pyrites..... \$	-	-	800	-	-	-	-	15,314	-
Pyrites..... tons	-	-	7,766	357	-	-	-	30,555	-
Quartz..... tons	4,092	-	29,702	4,455	-	-	-	120,203	-
Quartz..... \$	9,593	-	23,438	86,893	-	-	-	6,000	-
Salt..... tons	14,242	-	57,852	127,686	-	-	-	15,700	-
Salt..... \$	94,555	-	-	150,112	-	-	-	-	-
Silica brick..... M	742	-	-	664,729	-	-	-	-	-
Soapstone..... tons	31,420	-	-	830	-	-	-	-	-
Sodium carbonate..... tons	-	-	17,955	43,226	-	-	-	-	-
Sodium carbonate..... \$	-	-	-	-	-	-	-	301	-
Total..... \$	-	-	-	-	-	-	-	3,912	-

Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1929—Continued

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
Sodium sulphate..... tons	-	-	-	-	-	3,373	-	-	-
\$	-	-	-	-	-	36,383	-	-	-
Talc..... tons	-	-	-	7,663	-	-	-	40	-
\$	-	-	-	89,583	-	-	-	720	-
Volcanic dust..... tons	-	-	-	-	-	215	-	-	-
\$	-	-	-	-	-	3,455	-	-	-
Total..... \$	435,672	213,799	6,795,857	1,454,240	292,992	39,838	2,340	296,774	-
Grand Total. \$	14,368,426	921,141	13,560,123	43,900,636	556,834	494,787	15,823,864	32,612,711	1,533,872

Mineral Production of Canada, (Exclusive of Clay Products and Other Structural Materials), by Provinces, January 1 to June 30, 1930

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
METALLICS									
Arsenic..... lb.	-	-	-	1,554,902	-	-	-	574,000	-
\$	-	-	-	61,531	-	-	-	6,343	-
Bismuth..... lb.	-	-	-	5,799	-	-	-	-	-
\$	-	-	-	3,031	-	-	-	-	-
Cadmium..... lb.	-	-	-	-	-	-	-	163,843	-
\$	-	-	-	-	-	-	-	126,159	-
Cobalt..... lb.	-	-	-	325,727	-	-	-	-	-
\$	-	-	-	598,007	-	-	-	-	-
Copper..... lb.	31,780	-	42,166,024	88,354,798	-	-	-	46,984,224	-
\$	4,984	-	6,586,333	8,460,212	-	-	-	7,309,875	-
Gold..... fine oz.	1,113	-	52,186	837,047	10,010	-	-	69,987	5,892
\$	23,008	-	1,078,780	17,303,297	206,925	-	-	1,446,700	121,798
Lead..... lb.	252,502	-	-	1,550,771	-	-	-	164,900,646	5,500,143
\$	10,870	-	-	86,437	-	-	-	6,902,741	230,236
Nickel..... lb.	-	-	-	55,113,525	-	-	-	-	-
\$	-	-	-	12,995,271	-	-	-	-	-
Palladium, rhodium, etc..... fine oz.	-	-	-	14,216	-	-	-	22	-
\$	-	-	-	496,162	-	-	-	638	-
Platinum..... fine oz.	-	-	-	13,122	-	-	-	2	-
\$	-	-	-	689,036	-	-	-	105	-
Silver..... fine oz.	15,054	-	256,515	4,870,188	1,130	-	-	5,794,158	2,280,514
\$	6,212	-	105,859	2,009,829	466	-	-	2,391,133	943,599
Zinc..... lb.	843,029	-	-	1,878,594	-	-	-	120,049,762	-
\$	32,979	-	-	73,491	-	-	-	4,710,819	-
Total..... \$	77,733	-	7,770,872	42,776,304	207,391	-	-	22,903,573	1,795,633
NON-METALLICS									
Fuels									
Coal..... tons	3,126,651	111,095	-	-	-	241,555	2,565,701	1,114,759	-
\$	12,449,944	461,736	-	-	-	399,198	8,008,836	4,534,413	-
Natural gas..... M cu. ft.	-	428,874	-	4,717,000	300	-	10,782,571	-	-
\$	-	210,148	-	2,536,000	90	-	2,910,153	-	-
Peat..... tons	-	-	1,543	-	-	-	-	-	-
\$	-	-	7,856	-	-	-	-	-	-
Petroleum, crude..... bbls.	-	3,696	-	55,041	-	-	581,147	-	-
\$	-	9,703	-	112,223	-	-	2,049,396	-	-
Total..... \$	12,449,944	681,647	7,856	2,648,223	90	399,198	12,977,385	4,534,413	-
Other Non-Metallics									
Actinolite..... tons	-	-	-	34	-	-	-	-	-
\$	-	-	-	437	-	-	-	-	-
Asbestos..... tons	-	-	123,693	-	-	-	-	-	-
\$	-	-	4,570,733	-	-	-	-	-	-
Barytes..... tons	25	-	-	-	-	-	-	-	-
\$	565	-	-	-	-	-	-	-	-
Bituminous sands..... tons	-	-	-	-	-	-	-	254	-
\$	-	-	-	-	-	-	-	916	-
Diatomite..... tons	30	-	-	-	-	-	-	-	138
\$	600	-	-	-	-	-	-	-	4,125
Feldspar..... tons	-	-	3,083	4,775	-	-	-	-	-
\$	-	-	24,155	56,411	-	-	-	-	-
Fluorspar..... tons	-	-	-	20	-	-	-	-	-
\$	-	-	-	350	-	-	-	-	-

*Mineral Production of Canada (Exclusive of Clay Products and Other Structural Materials), by
Provinces, January 1 to June 30, 1930—Concluded*

	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon
Graphite..... tons	—	—	197	1,129	—	—	—	—	—
\$	—	—	9,850	69,919	—	—	—	—	—
Gypsum..... tons	333,205	27,185	—	50,056	15,448	—	—	14,171	—
\$	388,214	198,207	—	409,101	171,469	—	—	117,483	—
Iron oxides..... tons	—	—	1,441	—	—	—	—	—	—
\$	—	—	34,840	—	—	—	—	—	—
Magnesite..... tons	—	—	7,360	—	—	—	—	—	—
\$	—	—	183,603	—	—	—	—	—	—
Manganese, bog..... tons	—	184	—	—	—	—	—	—	—
\$	—	1,104	—	—	—	—	—	—	—
Mica..... tons	—	—	218	182	—	—	—	—	—
\$	—	—	37,143	15,578	—	—	—	—	—
Mineral water, imp. gal.	—	—	2,824	124,558	—	—	—	—	—
\$	—	—	857	9,031	—	—	—	—	—
Phosphate..... tons	—	—	40	—	—	—	—	—	—
\$	—	—	700	—	—	—	—	—	—
Pyrites (sulphur)..... tons	—	—	6,113	2,033	—	—	—	—	—
\$	—	—	45,053	21,273	—	—	—	10,193	—
Quartz..... tons	910	—	17,847	37,335	—	—	—	83,766	—
\$	1,978	—	54,275	66,670	—	—	—	665	—
Salt..... tons	9,815	—	—	136,669	—	—	—	3,674	—
\$	61,074	—	—	788,379	—	—	—	—	—
Silica brick..... No.	108,189	—	—	378,479	—	—	—	—	—
\$	4,346	—	—	19,120	—	—	—	—	—
Soapstone..... tons	—	—	—	—	—	—	—	—	—
Sodium carbonate..... tons	—	—	24,873	—	—	—	—	—	—
Sodium sulphate..... tons	—	—	—	—	—	—	—	175	—
Talc..... tons	—	—	—	—	—	5,721	—	2,363	—
\$	—	—	—	—	—	64,067	—	—	—
Talc..... tons	—	—	—	6,822	—	—	—	—	—
\$	—	—	—	79,369	—	—	—	—	—
Volcanic dust..... tons	—	—	—	—	—	—	—	—	—
\$	—	—	—	—	—	216	—	—	—
\$	—	—	—	—	—	4,318	—	—	—
Total..... \$	456,775	199,311	4,986,142	1,535,639	171,469	68,385	916	211,411	—
Grand total.. \$	12,984,451	880,958	12,764,970	46,960,165	378,950	467,583	12,978,301	27,649,397	1,296,633

Metal Prices, 1925-1930

Metal	Market	Unit	1925	1926	1927	1928	1929	January 1 to June 30 1930
		\$	\$	\$	\$	\$	\$	\$
Antimony (ordinaries).....	New York.....	Pound.....	0-17494	0-15988	0-12393	0-10305	0-08956	0-07987
Arsenic, white.....	New York.....	Pound.....	0-0466	0-0350	0-0383	0-04	0-04	0-04-0-05
Cobalt.....	New York.....	Pound.....	2-50	2-50	2-50	2-63	2-52	2-50
Cobalt oxide.....	New York.....	Pound.....	2-10	2-10	2-10	2-10	2-10	2-10
Copper.....	New York.....	Pound.....	0-14042	0-13795	0-12920	0-14570	0-18107	0-1562
	Montreal.....	Pound.....	0-1615	0-1577	0-1478	0-16402	0-19478	0-1767
	New York.....	Pound.....	0-09020	0-08417	0-06755	0-06305	0-05833	0-0577
Lead.....	Montreal.....	Pound.....	0-0912	0-08154	0-0673	0-0606	0-06678	0-0587
	Toronto.....	Pound.....	0-0919	0-08274	0-0683	0-06206	0-06775	0-0590
	London.....	Pound.....	0-07914	0-06751	0-05266	0-04576	0-050504	0-04186
Nickel.....	New York.....	Pound.....	0-34	0-36	0-36	0-36	0-35	0-36
Platinum.....	New York.....	Ounce.....	119-093	113-269	84-636	75-58	67-655	52-51
Silver.....	New York.....	Ounce.....	0-69065	0-62107	0-56370	0-58176	0-52993	0-41268
*Tin.....	New York.....	Pound.....	0-56790	0-63615	0-62747	0-50427	0-45155	0-35474
	St. Louis.....	Pound.....	0-07622	0-07337	0-06242	0-06027	0-06512	0-01878
Zinc.....	Montreal.....	Pound.....	0-0906	0-08825	0-07710	0-07144	0-0687	0-0545
	London.....	Pound.....	0-07956	0-07410	0-06194	0-05193	0-05387	0-03912

* Years 1925-1926 prices for 99 per cent grade. Years 1927-1930 prices for Straits.

Exports of Certain Canadian Minerals, January 1 to June 30, 1929 and 1930

		1929		1930	
		Quantity	Value	Quantity	Value
METALLICS			\$		\$
Arsenic.....	lb.	1,525,800	59,225	1,422,800	52,448
Cobalt, in ore.....	lb.	}	963,529	}	692,494
Cobalt, metallic.....	lb.				
Cobalt alloys.....	lb.				
Cobalt oxides and cobalt salts.....	lb.				
Copper, fine, in ore, matte, etc.....	lb.	48,375,200	4,713,973	41,710,200	4,341,541
Copper, blister.....	lb.	69,959,800	12,593,808	83,102,200	14,260,829
Gold-bearing quartz, dust, nuggets and bullion exported from the mines and smelters.....		-	12,770,869	-	16,232,181
Lead, metallic, in ore, etc.....	lb.	351,100	19,294	8,312,700	352,348
Lead, in pig and block.....	lb.	116,176,200	5,184,175	108,933,400	3,089,605
Molybdenum.....	lb.	-	-	8,560	4,100
Nickel, fine, in ore, matte or speiss.....	lb.	20,357,700	3,056,331	23,805,900	4,318,172
Nickel, fine.....	lb.	35,926,900	9,269,439	27,621,600	7,117,732
Nickel in oxide.....	lb.	5,103,500	1,511,330	1,646,000	472,798
Platinum in concentrates.....	fine oz.	107	6,885	5,450	436,000
Silver in ore, concentrates, etc.....	fine oz.	1,463,104	736,422	2,055,989	914,523
Silver bullion.....	fine oz.	7,472,535	4,207,842	7,610,503	3,297,398
Zinc in ore.....	lb.	7,033,700	388,586	13,443,600	436,611
Zinc spelter.....	lb.	76,711,000	4,172,802	81,131,300	3,034,149
NON-METALLICS					
Asbestos, crude.....	tons	68,229	4,824,165	53,653	3,365,804
Asbestos, sunl and waste.....	tons	65,032	1,019,145	64,933	1,005,774
Feldspar.....	tons	16,109	129,941	12,170	94,962
Graphite or plumbago, crude or refined.....	tons	903	49,660	1,749	91,662
Gypsum, crude.....	tons	295,598	342,070	230,041	272,244
Plaster of paris, ground or prepared wall plaster.....	tons	3,038	53,269	3,344	59,675
Magnosite, calcined.....	tons	1,729	40,950	526	12,621
Mica, rough cobbled and thumb-trimmed.....	tons	-	68	1	914
Mica splittings.....	tons	56	58,868	20	18,406
Mica, scrap, and waste.....	tons	2,230	62,622	226	29,882
Mineral pigments, iron oxides, ochres, etc.....	tons	650	24,553	215	10,218
Pyrites (sulphur contained in).....	tons	16,215	128,173	14,944	94,902
Salt.....	tons	5,731	34,826	1,937	24,185
Talc.....	tons	5,311	66,294	5,211	63,161

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, 1929 and 1930

	1929				1930			
	Total output	Sold or shipped			Total output	Sold or shipped		
		Quantity	Total sales value at mill	Average value per ton		Quantity	Total sales value at mill	Average value per ton
	tons	tons	\$	\$	tons	tons	\$	\$
Crude No. 1.....	387	415	231,972	558.97	400	479	232,070	484.49
Crude No. 2.....	1,296	1,166	382,903	328.39	1,445	782	251,988	322.23
Other crudes.....	352	335	57,009	170.17	442	232	18,008	77.62
Spinning stocks.....	9,342	8,769	1,535,015	178.67	7,798	5,941	870,115	146.46
Shingle stocks.....	15,115	16,475	1,211,789	73.56	11,203	10,980	780,148	71.05
Mill board and paper stocks.....	41,899	44,099	1,694,046	38.41	37,127	37,366	1,383,348	37.02
Fillers, floats and other short fibres.....	66,343	70,730	4,101,805	15.58	58,405	67,913	1,035,056	15.24
Total.....	131,734	141,979	6,244,629	43.98	116,820	123,693	4,570,733	36.95
Sand and gravel.....	7,459	7,459	2,697	0.36	4,770	4,770	2,189	0.46

Coal and Coke

Output and Value of Canadian Coal by Provinces and Grades, January 1 to June 30, 1929 and 1930
(Short tons)

Province	1929		1930	
	Output	Total value	Output	Total value
NOVA SCOTIA (Bituminous).....	3,455,327	\$ 13,852,497	3,126,651	\$ 12,449,944
NEW BRUNSWICK (Bituminous).....	116,769	487,914	111,095	461,736
SASKATCHEWAN (Lignite).....	260,290	444,949	241,555	399,198
ALBERTA—				
Bituminous.....	1,911,299	6,769,704	1,132,600	3,983,797
Sub-bituminous.....	328,813	882,473	214,164	667,766
Lignite.....	1,391,503	4,035,246	1,188,928	3,357,273
Total for Alberta	3,631,615	11,687,423	2,565,701	8,008,836
BRITISH COLUMBIA (Bituminous).....	1,312,598	5,391,165	1,114,759	4,534,413
CANADA—				
Bituminous.....	6,785,993	26,591,239	5,485,114	21,429,899
Sub-bituminous.....	328,813	882,473	214,164	667,766
Lignite.....	1,651,793	4,480,185	1,439,483	3,756,471
Total	8,776,599	31,863,948	7,159,761	25,854,127

Exports of Canadian Coal by Provinces, January 1 to June 30, 1929 and 1930

Province	1929	1930
Prince Edward Island.....	—	—
Nova Scotia.....	160,742	125,539
New Brunswick.....	16,753	7,862
Quebec.....	130	—
Ontario.....	—	—
Manitoba.....	—	—
Saskatchewan.....	1,568	958
Alberta.....	2,957	1,794
British Columbia.....	359	468
Yukon.....	231,927	138,359
Total	414,436	274,980

Imports of Anthracite, Bituminous and Lignite Coal into Canada January 1 to June 30, 1930

(Short tons)

Month	Anthracite				Bituminous				Lignite	
	United States	Great Britain	Russia	Total	United States	Great Britain	New-foundland	Total	United States	Total
January.....	331,283	16,016	—	347,299	850,111	800	—	850,911	2,593	2,593
February.....	327,674	29,067	7,136	363,907	673,315	3,498	10	676,823	2,311	2,311
March.....	211,890	55,080	—	266,970	797,599	5	—	797,604	806	806
April.....	112,483	6,392	6,200	125,075	532,201	2,890	—	535,094	383	383
May.....	191,048	113,989	7,525	312,564	1,035,101	25,525	—	1,060,626	383	383
June.....	204,025	138,372	63,668	406,065	1,463,150	17,988	—	1,481,138	294	294
Total	1,378,493	359,976	84,523	1,821,919	5,351,499	59,616	10	5,402,106	6,770	6,770

(a) Includes 2 tons imported from China.

Coal Made Available for Consumption in Canada, January 1 to June 30, 1929 and 1930

(Short tons)

Month	1929				1930			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,585,072	1,118,117	89,414	2,613,775	1,643,632	1,200,833	71,356	2,773,109
February.....	1,619,960	1,035,573	76,404	2,609,069	1,194,609	1,043,011	45,801	2,191,939
March.....	1,347,693	1,190,140	74,235	2,503,568	1,136,765	1,065,380	35,830	2,166,315
April.....	1,393,186	731,619	31,660	2,096,145	913,131	660,462	11,731	1,558,865
May.....	1,401,795	1,557,834	62,436	2,910,193	1,123,849	1,373,573	38,900	2,458,522
June.....	1,355,923	1,751,500	80,227	3,030,196	1,147,682	1,887,497	68,362	2,996,817
Total	8,776,599	7,490,783	414,436	15,762,946	7,159,761	7,239,786	274,980	14,115,567

Coke Production in Canada, January 1 to June 30, 1930

Month	Bituminous coal used for coke making			Coke made	Disposition of coke by makers			
	Canadian	Imported	Total		Used in coke plant	To Metallurgical works	Sold for other uses	Total
January.....	75,224	236,865	312,089	224,690	26,570	97,221	132,795	256,586
February.....	88,225	212,915	281,140	203,051	24,885	89,730	114,728	229,343
March.....	72,740	236,419	309,159	224,334	25,386	102,533	105,422	233,311
April.....	66,692	228,780	295,472	213,190	24,638	94,594	81,672	206,904
May.....	54,613	235,320	289,933	209,555	26,484	91,767	50,527	168,778
June.....	50,417	218,056	268,473	193,198	23,398	81,465	50,351	155,214
Total.....	397,911	1,348,355	1,756,266	1,268,918	151,361	557,310	535,495	1,244,166

Production in Canada, Imports and Exports of Coke by Provinces, January 1 to June 30, 1929 and 1930

	Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Saskatchewan, Alberta and British Columbia		Canada	
		June	Year to date	June	Year to date	June	Year to date	June	Year to date
Production.....	1929	69,511	415,520	133,783	808,716	17,349	98,109	220,643	1,322,345
	1930	50,006	351,742	129,747	822,104	13,445	95,072	193,198	1,268,918
Imports.....	1929	5,711	48,230	95,777	511,204	2,049	11,858	103,537	571,292
	1930	4,698	25,754	81,921	513,494	667	9,276	87,286	548,524
Exports.....	1929	1	272	52	1,748	2,285	10,114	2,338	12,134
	1930	529	935	57	213	1,873	12,949	2,459	11,097
Apparent Consumption....	1929	75,221	463,478	229,508	1,318,172	17,113	99,853	324,847	1,881,503
	1930	54,175	376,561	211,611	1,335,385	12,239	91,390	278,025	1,803,345

Coke used in iron blast furnaces in Canada during the period, January 1 to June 30, 481,809 tons.

Copper

Production of Copper in Canada, by Provinces and by Sources, January 1 to June 30, 1929 and 1930

	1929		1930	
	Quantity	Value	Quantity	Value
	Pounds	\$	Pounds	\$
PRODUCTION—				
By Provinces—				
Nova Scotia.....	—	—	31,780	4,964
Quebec.....	27,004,669	4,979,391	42,106,024	6,580,333
Ontario.....	37,849,040	6,790,650	68,354,798	8,490,212
British Columbia.....	50,732,359	9,354,540	46,984,224	7,309,875
Total.....	115,586,068	21,124,581	157,536,826	22,361,384
By sources—				
In blister copper produced.....	70,922,809	13,203,901	114,396,903	15,919,761
In copper sulphate produced.....	102,757	18,947	105,040	16,407
In ores and concentrates exported.....	33,912,308	6,251,203	33,560,746	5,240,950
In copper-nickel matte exported.....	10,648,194	1,650,470	9,474,137	1,184,266
Total.....	115,586,068	21,124,581	157,536,826	22,361,384

Gold

Production of Gold in Canada, by Provinces and by Sources, January 1 to June 30, 1929 and 1930

	1929		1930	
	Fine ounces	Value	Fine ounces	Value
		\$		\$
NOVA SCOTIA—				
In gold bullion and in silver-lead-zinc ores.....	882	18,233	1,113	23,008
QUEBEC—				
In blister copper and in ores exported.....	38,615	798,863	52,186	1,078,780
ONTARIO—				
Porcupine Area—				
In gold bullion.....	452,489	9,353,777	420,421	8,690,874
Kirkland Lake Area—				
In gold bullion.....	343,975	7,110,594	403,109	8,333,002
Sudbury Area—				
In matte, blister copper and copper-zinc ores exported.....	1,014	39,566	8,135	168,165
Other gold mines.....	503	10,398	5,382	111,256
Total, Ontario.....	798,881	16,514,335	837,047	17,303,297
MANITOBA—				
In gold bullion.....	12,721	262,966	10,010	206,925
ALBERTA.....	5	103	—	—
BRITISH COLUMBIA—				
In alluvial gold.....	2,824	58,377	2,353	48,641
In gold bullion from gold mines.....	6,799	140,548	10,774	222,718
In blister copper.....	10,465	214,331	11,404	235,742
In base bullion and in ores exported.....	61,464	1,270,573	45,456	939,659
Total.....	81,552	1,685,829	69,987	1,446,760
YUKON—				
In alluvial gold.....	7,319	151,297	5,892	121,798
Canada.....	946,066	19,431,626	976,235	20,180,569

Gypsum

Production of Gypsum in Canada, January 1 to June 30, 1929 and 1930

	1929		1930	
	Tons	Value	Tons	Value
		\$		\$
CRUDE—				
Lump or mine run.....	14,026	25,404	10,354	34,496
Crushed.....	208,562	260,598	349,233	395,081
Fine ground.....	4,498	26,747	3,347	17,036
CALCINED GYPSUM.....	94,224	957,792	77,131	836,961
Total sold or used.....	321,310	1,270,541	440,665	1,284,474

Iron and Steel

Production of Pig Iron and Ferro-Alloys in Canada, January 1 to June 30, 1929 and 1930

	1929			1930		
	In blast furnace		Total	In blast furnace		Total
	For own use	For sale		For own use	For sale	
Pig Iron—						
Basic.....	400,049	1,700	401,758	315,263	3,300	318,563
Foundry.....	850	86,202	87,052	—	92,498	93,249
Malleable.....	—	29,747	29,747	—	39,374	39,374
Total Pig Iron.....	400,899	117,658	518,557	315,014	135,172	451,186
FERRO-ALLOYS.....	—	40,951	40,951	—	44,960	44,960

Production of Steel Ingots and Castings in Canada, January 1 to June 30, 1929 and 1930
(Tons of 2,240 lbs.)

	1929			1930		
	For own use	For sale	Total production	For own use	For sale	Total production
STEEL INGOTS—						
Open-hearth—Basic.....	689,383	3,629	693,012	571,448	570	572,018
Electric.....	5,272	—	5,272	13,199	—	13,199
Other.....	5,316	—	5,316	5,895	—	5,895
Total steel ingots.....	699,971	3,629	703,600	590,542	570	591,112
STEEL CASTINGS—						
Open hearth—Basic.....	1,078	9,648	10,726	996	17,549	18,545
Acid.....	24	7,254	7,278	—	—	—
Bessemer.....	39	1,484	1,523	26	1,178	1,204
Electric.....	64	15,651	15,715	136	17,996	18,132
Total Direct Steel Castings.....	1,205	34,037	35,242	1,158	36,723	37,881
Grand Total.....	701,176	37,666	738,842	591,700	37,293	628,993

Nickel

Production of Nickel in Canada, January 1 to June 30, 1929 and 1930

	1929		1930	
	Quantity	Value	Quantity	Value
	lb.	\$	lb.	\$
Nickel in matte and speiss exported.....	15,070,730	2,712,731	21,318,839	3,836,958
Refined and electrolytic nickel produced.....	34,891,047	8,095,728	31,641,694	8,439,726
Nickel in oxides and salts sold.....	5,036,298	1,463,570	2,152,992	718,587
Total.....	54,998,075	12,672,029	55,113,525	12,995,271

Petroleum

Production of Crude Petroleum in Canada, January 1 to June 30, 1929 and 1930

Province	1929		1930	
	Barrels	Total value	Barrels	Total value
		\$		\$
NEW BRUNSWICK.....	3,950	10,420	3,696	9,763
ONTARIO—				
Petrolia and Enniskillen.....	27,502	65,733	26,176	51,742
Oil Springs.....	14,670	36,346	13,328	28,751
Moore Township.....	974	2,345	691	1,361
Sarnia Township.....	480	1,156	590	1,180
Plympton Township.....	180	433	122	240
Bothwell.....	12,248	29,488	10,437	21,005
West Dover.....	300	722	146	294
Tilbury East.....	139	335	149	294
Onondaga.....	36	127	50	176
Moza Township.....	3,232	7,781	3,104	6,233
Dunwich.....	148	356	—	—
Thamesville.....	409	985	176	347
Total for Ontario.....	60,318	145,807	55,041	112,223
ALBERTA.....	405,970	1,491,798	581,147	2,049,396
Canada.....	470,288	1,648,025	639,884	2,171,382

Salt

Production of Salt in Canada, by Grades, January 1 to June 30, 1929 and 1930

Grade	1929			1930		
	Manu- factured	Sold	Value of salt sold (not includ- ing pack- ages)	Manu- factured	Sold	Value of salt sold (not includ- ing pack- ages)
	Tons	Tons	\$	Tons	Tons	\$
Table and dairy.....	25,629	25,945	334,738	25,529	25,922	427,504
Common fine.....	28,672	26,466	116,508	24,395	24,853	136,735
Common coarse.....	30,681	29,510	192,351	22,177	20,789	152,661
Land salt.....	1,575	1,590	4,770	2,788	3,013	21,825
Other grades.....	3,177	3,262	33,195	4,036	4,408	42,596
Brine for chemical works (Salt equivalent sold or used).....	77,572	77,572	77,722	67,499	67,499	68,132
Total.....	167,306	164,354	759,284	146,424	146,484	849,453
Value of packages.....	-	-	247,755	-	-	244,446
Grand Total.....	-	-	1,007,039	-	-	1,093,899

Silver

Production of Silver in Canada, by Provinces and by Sources, January 1 to June 30, 1929 and 1930

	1929		1930	
	Quantity	Value	Quantity	Value
	fine oz.	\$	fine oz.	\$
NOVA SCOTIA—				
In gold bullion.....	44	24	47	19
In silver-lead-zinc ores.....	-	-	15,007	6,193
Total.....	44	24	15,054	6,212
QUEBEC—				
In gold ores, in blister copper and in ores exported—Total.....	435,964	241,075	256,515	105,859
ONTARIO—				
In silver bullion.....	3,485,488	1,927,370	3,924,931	1,619,741
In gold bullion.....	121,219	67,031	152,812	63,062
In matte, blister copper and in ores, concentrates and residues exported.....	458,255	253,401	792,445	327,026
Total.....	4,064,962	2,247,802	4,870,188	2,009,829
MANITOBA—				
In gold bullion.....	1,530	846	1,130	466
BRITISH COLUMBIA—				
In alluvial gold.....	635	351	529	218
In gold bullion.....	690	385	987	408
In blister copper.....	315,175	174,282	513,871	212,064
In base bullion and in ores exported.....	4,407,840	2,437,404	5,278,771	2,178,443
Total.....	4,724,346	2,612,422	5,794,158	2,391,133
YUKON—				
In alluvial gold.....	1,646	910	1,325	547
In ores exported.....	2,078,849	1,149,541	2,285,180	943,052
Total.....	2,080,495	1,150,451	2,286,514	943,599
Canada.....	11,307,341	6,252,629	13,223,559	5,457,998

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Manufactures of Non-Ferrous Metals: Aluminium Products—Brass and Copper Products—Lead, Tin and Zinc Products—Precious Metal Products—Electrical Apparatus and Supplies—Miscellaneous Non-Ferrous Metal Products—Non-Ferrous Smelting and Refining.

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Coke Statistics for Canada.
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SPECIAL REPORTS—

Report on the Consumption of Prepared Non-Metallic Minerals in Canada.
Report on the Consumption of Mine and Mill Materials in Canada.
Annual Summary Report on the Mineral Industry and the Manufacturing Industries Related Thereto.
Fertilizer Trade in Canada, July 1, 1926-June 30, 1927.
Report on the Consumption of Coke in Canada.

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