

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR
1934

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1935

NOTES ON STATISTICS OF PRODUCTION

In the collection of production data, the Dominion Bureau of Statistics makes a division between primary and secondary production. In the first-named class, there are separate sections for the collection of statistics on (a) **Agricultural Products**, (b) **Furs**, (c) **Fish**, (d) **Forest Products**, (e) **Mineral Products**.

In the second are included (a) **Manufacturing** and (b) **Construction**.

Manufacturing is subdivided into nine groups of industries, producing concerns being classified according to the principal component material of their major products. For example, manufactures of leather goods are classified under "Animal Products"; the pulp and paper industry under "Wood and Paper," etc. An outline of the scheme of classification in use for manufacturing industries is given below:

Manufactures of—

- (1) **Vegetable Products**, including—Coffee and Spices; Cocoa and Chocolate; Preserved and Canned Products; Pickles, Vinegar and Cider; Flour and Cereals; Bread and other Bakery Products; Macaroni and Vermicelli; Distilled and Brewed Liquors and Wines; Rubber Products; Starch and Glucose; Sugar; Tobacco Products; Linseed Oil and Oil Cake.
- (2) **Animal Products**, including—Fish and Fish Products; Dairy Factory Products; Meat and Meat Products; Leather and Leather Products; Furs and Fur Products.
- (3) **Textiles and Textile Products**, including—Cotton Textiles (Cloth, Yarn, Thread and Waste); Woollen Textiles (Cloth, Yarn, Blankets, Felt and Waste); Silk Products; Factory-Made Clothing; Carpets, Rugs and Mats; Cordage, Rope and Twine.
- (4) **Wood and Paper**, including—Pulp and Paper Mill Products; Paper Goods; Printing, Publishing and Lithographing; Saw and Planing Mill Products; Furniture; Carriages, Wagons and Sleighs; Wooden Containers; Woodenware; Turned Wood Products; and the Output of Similar Wood-Using Industries.
- (5) **Iron and Steel and Their Products**, including—Pig Iron and Ferro-Alloys; Steel and Rolled Products; Castings and Forgings; Boilers, Tanks and Engines; Agricultural Implements; Machinery; Automobiles; Auto Parts and Accessories; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware and Tools; Bridge Building and Structural Steel Work; Miscellaneous Iron and Steel Products.
- (6) **Manufactures of the Non-Ferrous Metals**, including—Aluminium Products; Brass and Copper Products; Lead, Tin and Zinc Products; Jewellery and Silverware; Electrical Apparatus and Supplies; Non-Ferrous Smelting and Refining; Miscellaneous Non-Ferrous Metal Products.
- (7) **Manufactures of the Non-Metallic Minerals**, including—Aerated Waters—Asbestos Products—Cement—Cement Products—Coke and Gas—Glass (blown, cut, ornamental, etc.)—Lime—Petroleum Products—Products from Domestic Clays—Products from Imported Clays—Salt—Sand—Lime Brick—Dressed Stone—Artificial Abrasives and Abrasive Products—Miscellaneous Non-Metallic Mineral Products including (a) Artificial Graphite and Electrodes (b) Gypsum Products (c) Mica Products (d) Magnesite Products (e) Miscellaneous Non-Metallic Mineral Products, n.e.s.
- (8) **Chemicals and Allied Products**, including—Coal Tar Distillation; Acids, Alkalies, and Salts—Compressed Gases; Explosives, Ammunition and Fireworks; Fertilizers; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Polishes and Dressings; Wood Distillation; Miscellaneous Chemical Products, including, (a) Boiler Compounds, (b) Cellulose Products; (c) Insecticides; (d) Sweeping Compounds, (e) Disinfectants; (f) Matches; (g) Dyes and Colours; (h) Chemical Products, n.e.s.
- (9) **Miscellaneous Products**, including—Brooms and Brushes; Electric Light and Power; Musical Instruments, etc.

The statistics of manufactures are also classified according to the **use or purpose** of the end product as follows:—

- (1) **Food**, including—Breadstuffs; Fish; Nuts; Fruits and Vegetables; Meats; Milk Products; Oils and Fats; Sugar; Infusions; Miscellaneous.
- (2) **Drink and Tobacco**, including—Beverages, alcoholic; Beverages, non-alcoholic; Tobacco.
- (3) **Clothing**, including—Boots and Shoes; Fur Goods; Garments and Personal Furnishings; Gloves and Mitts; Hats and Caps; Knitted Goods; Waterproofs; Miscellaneous.
- (4) **Personal Utilities**, including—Jewellery and Time-Pieces; Recreational Supplies; Personal Utilities, n.e.s.
- (5) **House Furnishings**.
- (6) **Books and Stationery**.
- (7) **Vehicles and Vessels**.
- (8) **Producers' Materials**, including—Farm Materials; Manufacturers' Materials; Building Materials; General Materials.
- (9) **Industrial Equipment**, including—Farming Equipment; Manufacturing Equipment; Trading Equipment; Service Equipment; Light, Heat and Power Equipment; General Equipment.
- (10) **Miscellaneous**.

PREFACE

The Canadian coal production during 1934 totalled 13,810,193 short tons as compared with 11,903,344 short tons in the preceding year. Nova Scotia, New Brunswick, Manitoba, Alberta and British Columbia mines produced more coal than in 1933, on the other hand, Saskatchewan's output declined 2 per cent and the Yukon's output, 26 per cent.

Exports of Canadian coal advanced to 306,335 tons from the 1933 total of 259,233 tons. Eastern Canada ports cleared 212,151 tons of Canadian coal in 1934, while clearances from Western Canada ports were recorded at 94,184 tons.

Imports of coal into Canada in 1934 showed the first upward trend since 1930. In 1934, the Canadian imports totalled 13.8 million tons; in the preceding year 11.5 million tons were imported, while in 1930 imports amounted to 17.6 million tons. Canada's anthracite coal supply in 1934 was obtained from the following sources: the United States, 51 per cent; Great Britain, 46.5 per cent; Germany, 2 per cent, and Belgium and Newfoundland, the remainder. The United States supplied 96.76 per cent of the bituminous coal imported into Canada during the year; Great Britain accounted for 3.22 per cent.

The research work done by the Dominion Department of Mines on the coking of Canadian coals from both eastern and western deposits has resulted in an increase in consumption of Canadian coal, for the manufacture of coke, at Winnipeg and Montreal. Continued assistance to the operators in the form of a subvention paid by the Dominion Government was responsible, to a considerable extent, for the increased shipments of Canadian coal. In 1934, approximately 2,369,000 short tons of coal were moved under assisted freight rates.

The Dominion Bureau of Statistics issues statistical information on coal and coke through three channels: (1) a monthly bulletin issued on the twentieth of each month, showing tonnage output from Canadian coal mines as well as imports and exports by provinces; (2) a printed quarterly report giving revised figures for each month under review and containing data on output by districts and by provinces, imports and exports by customs ports, tonnage lost, number of employees, etc.; and (3) the present annual printed report which assembles detailed information in permanent form. In the monthly report early publication is the primary consideration, the production figures being assembled by postcard and by telegram.

The thanks of the Bureau are tendered to the coal operators who, through the agency of their respective provincial governments, have furnished the Bureau with data from which the present report has been compiled. The tables on imports and exports of coal have been prepared from statistics supplied monthly by the Department of National Revenue. The Bureau gratefully acknowledges its indebtedness to the governments of the coal-producing provinces and to the Department of National Revenue for co-operation in this connection.

This 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, by Mr. B. R. Hayden.

R. H. COATS,

Dominion Statistician

DOMINION BUREAU OF STATISTICS,
OTTAWA, September 21, 1935.

STATISTICS ON COAL AS COMPILED IN THE DOMINION BUREAU OF STATISTICS

The following is a statement of the statistics on coal at present maintained in the Dominion Bureau of Statistics.

(1) COAL MINE STATISTICS

The Mining, Metallurgical and Chemical Branch of the Bureau obtains a monthly statement from each coal mine in Canada, showing the output and distribution of coal by grades. The distribution statistics referred to, differentiate the amounts (a) supplied to colliery employees, (b) used for power, (c) supplied to railroads, (d) supplied for ships' bunkers, (e) put on bank, and (f) shipped for commercial consumption. The destinations of all shipments from the mines are shown by provinces. Number of employees, days worked, time and tonnages lost, etc., are also shown. These statistics are collected monthly in co-operation with the Provincial Mines Departments.

The Bureau previously also obtained a weekly statement from each mine showing daily output, but this has been discontinued as the monthly records were found to be more accurately checked.

At the end of the year a detailed statement on capital, expenses, equipment, power and other statistics of a general character are obtained from each mine, as well as a summary and check of the monthly production records.

(2) IMPORTS AND EXPORTS

In addition to the usual record of imports shown by months in the Quarterly Trade Report, a special monthly report is secured from the Department of National Revenue. The data shown in the Quarterly Trade Report include only the tonnage of coal entered for consumption, or in other words, the quantity cleared from customs. The import data as recorded in this report, unless otherwise indicated, include the total quantity of coal reaching Canadian ports whether or not it is cleared from customs. There is no appreciable difference between the two sets of figures for anthracite coal importations, on the other hand, the bituminous coal data show a considerable difference. This is due to the fact that there is a duty on imported bituminous coal (preferential tariff, 35 cents per ton; intermediate and general tariff, 75 cents a ton), which results in large quantities of this coal, imported for industrial use, remaining at the port of entry until required. By means of this record light is thrown on regional supply, by kinds of coal. A record of the exports of Canadian coal by ports of exit is also maintained.

(3) PUBLICATIONS OF THE BUREAU ON COAL

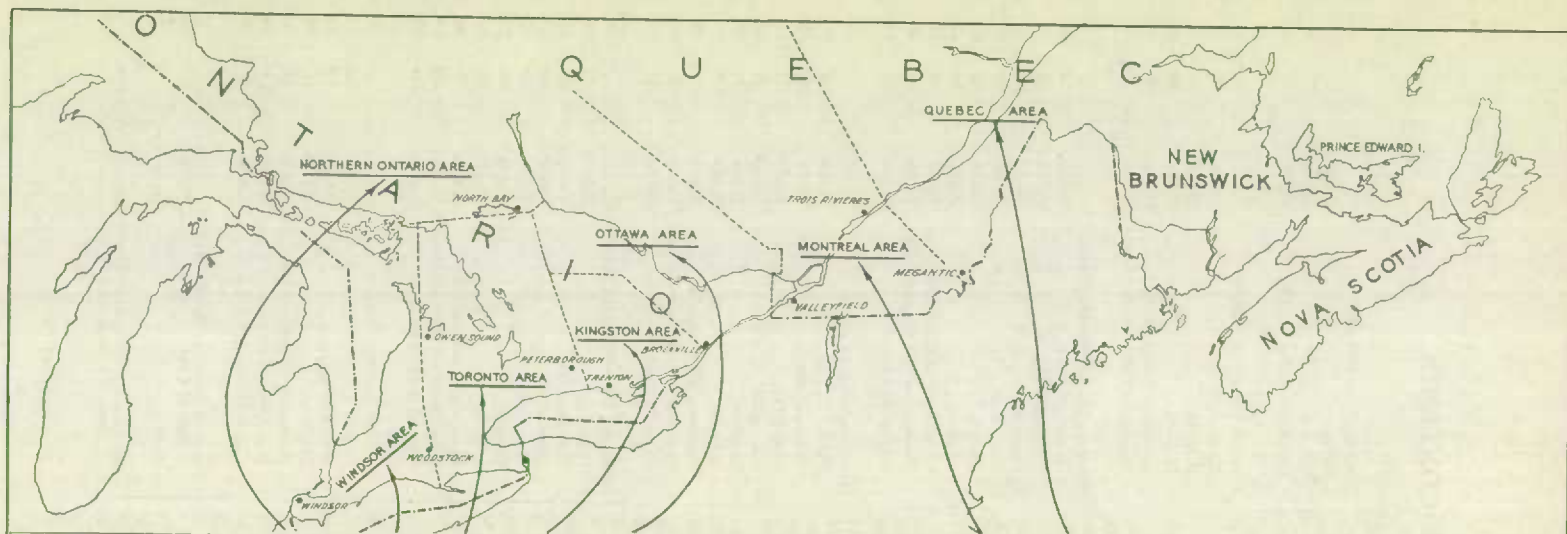
The Bureau issues the following reports:

- (1) 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.
- (2) 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.
- (3) A preliminary annual report on production, imports and exports; an annual report on production, imports, distribution, labour, capital, etc.

It may be added that the Bureau handled the statistical work of the Fuel Controller in 1917-18 and later, when more elaborate records were maintained, including, (a) a detailed record of dealers' costs and margins, (b) a record of the purchases of individual consumers who do not buy from dealers, but directly from the mine, such as gas companies, large industrial plants, railway companies, etc., (c) a weekly return from railway agents of cars of coal unloaded at each railway station throughout Canada, (d) a monthly statement from coal dock companies showing receipts, distribution of coal and stocks on hand. The latter records were discontinued on the cessation of fuel control, the dealers' general returns alone being maintained until March 31, 1924.

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	ONTARIO	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE					
GREAT BRITAIN.....Imported direct.....	—	—	32,165	—	—
Received ex-Montreal.....	17,923	159	359,314	17,489	115,586
BELGIUM.....Received ex-Montreal.....	—	—	100	40	948
GERMANY.....Received ex-Montreal.....	—	—	16,050	—	—
UNITED STATES.....Imported direct.....	12,702	176,290	971,033	62,798	120,653
TOTAL.....	30,625	176,449	1,378,662	80,327	237,187
BITUMINOUS					
GREAT BRITAIN.....Imported direct.....	—	—	—	—	—
Received ex-Montreal.....	—	—	—	—	1,026
UNITED STATES.....	1,551,471	2,299,600	4,606,057	102,055	608,072
NOVA SCOTIA.....	165,049	6,964	268,955	67,568	337,982
TOTAL.....	1,716,520	2,306,564	4,875,012	169,623	946,980

In addition to the above shipments, the following tonnages were received in Ontario:

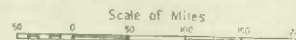
	from BRITISH COLUMBIA	from ALBERTA	from SASKATCHEWAN
Bituminous.....	1,333	3,231	—
Sub-bituminous.....	—	20,357	—
Lignite.....	—	32,737	155

* Exclusive of coal moved from British Columbia and Alberta to Ontario for railway consumption

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN.....Imported direct.....	852,321	130,872
Received ex-Saint John, N.B.....	26,248	—
BELGIUM.....	6,469	—
GERMANY.....	48,668	7,385
NEWFOUNDLAND.....	—	6
UNITED STATES.....Imported direct.....	373,426	30,595
TOTAL.....	1,317,132	168,858
BITUMINOUS		
GREAT BRITAIN.....	231,707	30,624
UNITED STATES.....	609,436	48,326
GERMANY, NORWAY and SWEDEN.....	345	—
NOVA SCOTIA.....Including coal for railroads.....	2,047,997	—
NEW BRUNSWICK.....	11,101	—
TOTAL.....	2,979,536	—

* Tonnages brought into Quebec and transhipped to Ontario are not included in this item.

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS 1934 (Short Tons)



DOMINION BUREAU OF STATISTICS

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COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1934

CHAPTER ONE

CANADA

Coal production in Canada during 1934 advanced to 13,810,193 tons worth \$42,045,942 from the 1933 total of 11,903,344 tons valued at \$35,923,962. The 1934 output included 10,058,782 tons of bituminous coal, 537,508 tons of sub-bituminous coal and 3,213,903 tons of lignite coal. In 1933, bituminous coal production totalled 7,979,283 tons, sub-bituminous coal, 554,118 tons, and lignite coal, 3,369,943 tons.

Nova Scotia mines produced 6,341,625 tons during 1934; this represented a 39.1 per cent increase over the tonnage mined in 1933. New Brunswick's output advanced slightly to 314,750 tons from the preceding year's total of 312,303 tons. Manitoba produced 4,113 tons as against 3,880 tons in 1933. A 2 per cent decline was recorded in Saskatchewan's production; the 1934 total was 909,288 tons and the 1933 output, 927,649 tons. Reports from Alberta operators show that 4,753,810 tons were mined in 1934 as compared with 4,718,788 tons in 1933. The first upward trend in coal output in British Columbia since 1928 was recorded during the year under review; the 1934 production totalled 1,485,969 tons while in 1933 the output was 1,382,272 tons. The Yukon output declined to 638 tons from the 1933 total of 862 tons.

Exports of Canadian coal declined steadily from 1927 to 1933; in the former year 1,113,330 tons were exported while in the latter year only 259,233 tons were shipped from Canada. During 1934, the Canadian exports totalled 306,335 tons, made up of 212,151 tons cleared through Nova Scotia, New Brunswick, Quebec and Ontario ports, and 94,184 tons shipped through Manitoba, Saskatchewan, Alberta and British Columbia ports.

Imports of coal into Canada in 1934 reached a total of 13,813,657 tons as compared with 11,465,976 tons imported in the preceding year. Anthracite coal importations in 1934 totalled 3,537,309 tons, of which Great Britain supplied 1,643,516 tons, the United States, 1,804,127 tons, Germany, 72,103 tons, Belgium, 17,557 tons, and Newfoundland, 6 tons. These data show that Great Britain supplied 46.5 per cent of Canada's anthracite supply in 1934 as compared with 52.9 per cent in the preceding year and 44.6 per cent in 1932. The United States contributed 51 per cent of the 1934 anthracite importations, 47.1 per cent of the 1933 and 53.7 per cent of the 1932 imports. Bituminous coal receipts in 1934 rose to 10,273,557 tons from the 1933 total of 8,427,656 tons. The 1934 importations included 96.76 per cent from the United States, 3.22 per cent from Great Britain and the remainder from Japan, Norway, Germany, Newfoundland and Sweden. Imports of lignite coal from the United States amounted to 2,791 tons in 1934 as against 2,707 tons in 1933.

Employment was furnished by the Canadian coal mines to 24,671 men during 1934; in the preceding year an average of 24,812 men were employed. Wage-earners employed in the eastern coal mines numbered 13,086 and in the western mines, 11,585 men. An average of 238 days work was furnished surface employees and 207 days to underground workers in 1934. In addition

to these men there were 1,290 salaried employees on the mine payrolls in 1934. All employees working in or about the coal mines received \$25,662,591 in 1934; during the preceding year salaries and wages totalled \$22,378,736. Corresponding with the advance in output in 1934 there was a considerable increase in the number of man-days work furnished to wage-earners. During the year these men received 5,270,076 days work as against 4,511,345 man-days work in 1933.

Coal consumption in Canada in 1934 was computed at 27,317,515 tons; in the preceding year 23,110,087 tons were made available for consumption. In addition to coal, Canada consumes large quantities of coke, natural and artificial gas, fuel oil, wood and electricity for industrial and domestic purposes.

In 1934 the Canadian coke supply was estimated at 3,166,245 tons or 31·3 per cent above the 1933 total. Canadian coke producers sold 1,474,916 tons in 1934; this represented 67·6 per cent of the year's output. Coke importations increased 44·4 per cent in 1934 to 930,221 tons from the 1933 imports of 644,075 tons. The coal equivalent of the imported coke was 1,431,138 tons. Approximately 844,303 tons of Canadian bituminous coal were used by Canadian coke and artificial gas manufacturers in 1934; in addition, 2,271,801 tons of imported coal were used.

Manufactured gas consumption for domestic and industrial purposes in Canada amounted to 15,409,927 thousand cubic feet in 1934 as compared with 15,893,248 thousand cubic feet in the preceding year. Natural gas consumption in 1934 consisted of 15,300,000 thousand cubic feet for domestic purposes and 7,000,000 thousand cubic feet for industrial use. The estimated displacement of coal through the domestic consumption of natural gas in 1934 was 612,000 tons.

The Canadian consumption of fuel oil in 1934 totalled 400·7 million imperial gallons and of gas oils, 102·3 million imperial gallons; in 1933 fuel oil consumption amounted to 389·8 million imperial gallons and gas oils to 91·9 million imperial gallons. According to the Dominion Fuel Board's survey of fuel oil consumption, 97·1 million imperial gallons were consumed for domestic and building heating in 1933; industrial consumption totalled 74·4 million imperial gallons; tractor fuel, 12·6 million imperial gallons; railroads, 49·5 million imperial gallons, and bunkering purposes, 129 million imperial gallons. A possible coal displacement of 693,571 tons was indicated by the quantity of fuel oil used for domestic purposes in 1933.

Table 1.—Coal Resources of Canada and of the World*

(''000'' omitted)

Province	Actual reserve		Probable reserve		Total metric tons
	Calculation based on actual thickness and extent		Approximate estimate		
	Area Square miles	Metric tons	Area Square miles	Metric tons	
Canada—					
Nova Scotia.....	174.31	2,188,151	346.5	7,530,817	9,718,968
New Brunswick.....			121.0	151,000	151,000
Ontario.....			10.0	25,000	25,000
Manitoba.....			48.0	160,000	160,000
Saskatchewan.....	306.0	2,412,000	13,100.0	57,400,000	59,812,000
Alberta.....	25,300.0	386,392,800	56,578.0	686,254,600	1,072,647,400
British Columbia.....	439.0	23,831,242	5,606.0	52,203,700	76,034,942
Yukon.....			2,840.0	4,940,000	4,940,000
Northwest Territories.....			300.0	4,800,000	4,800,000
Arctic Islands.....			6,000.0	6,000,000	6,000,000
Total.....	26,219.31	†414,804,193	84,949.5	819,465,117	†1,234,269,310
The World—					
Oceania.....					170,410,000
Asia.....					1,229,586,000
Africa.....					57,839,000
America.....					5,105,528,000
Europe.....					784,192,000
Total.....					7,397,553,000

*From The Coal Resources of the World published by the Twelfth International Geological Congress, 1913.

†In this total 20,000,000 tons have been deducted for the amount of coal extracted in Alberta to 1911.

Table 2.—Output of Coal from Canadian Mines, 1785-1934

Year	Short tons	Value	Average per ton	Year	Short tons	Value	Average per ton
		\$	\$			\$	\$
1785-1866.....	2,863,826	4,905,462	1.71	1901.....	6,486,325	12,699,243	1.96
1867.....	631,320	1,056,725	1.67	1902.....	7,466,681	15,210,877	2.04
1868.....	623,392	1,073,061	1.72	1903.....	7,960,364	15,942,833	2.00
1869.....	687,825	1,155,282	1.68	1904.....	8,254,595	16,592,231	2.01
1870.....	752,635	1,243,139	1.65	1905.....	8,667,948	17,520,203	2.02
1871.....				1906.....	9,762,601	19,732,019	2.02
1872.....	3,033,152	5,073,331	1.67	1907.....	10,511,426	24,381,842	2.32
1873.....				1908.....	10,886,311	25,194,573	2.31
1874.....	1,063,742	1,763,423	1.66	1909.....	10,501,475	24,781,236	2.36
1875.....	1,039,974	1,747,016	1.68	1910.....	12,909,152	30,909,779	2.39
1876.....	994,762	1,729,546	1.74	1911.....	11,323,388	26,467,046	2.34
1877.....	1,036,670	1,704,415	1.73	1912.....	14,512,829	36,019,044	2.48
1878.....	1,089,744	1,941,285	1.78	1913.....	15,012,178	37,331,940	2.49
1879.....	1,126,497	2,050,639	1.82	1914.....	13,637,529	33,471,801	2.45
1880.....	1,482,714	2,657,194	1.79	1915.....	13,267,023	32,111,182	2.42
1881.....	1,537,106	2,688,821	1.75	1916.....	14,483,395	38,817,481	2.68
1882.....	1,848,148	3,248,446	1.76	1917.....	14,046,759	43,199,831	3.08
1883.....	1,818,684	3,109,635	1.71	1918.....	14,977,026	55,192,896	3.68
1884.....	1,984,959	3,593,831	1.81	1919*	13,919,696	55,822,670	3.99
1885.....	1,920,077	3,417,807	1.78	1920*	16,946,764	82,486,538	4.86
1886.....	2,116,653	3,739,840	1.77	1921*	15,057,493	72,451,650	4.81
1887.....	2,429,330	4,388,206	1.81	1922*	15,157,431	65,518,497	4.32
1888.....	2,602,552	4,674,140	1.80	1923*	16,990,571	72,058,986	4.24
1889.....	2,658,303	4,894,287	1.84	1924*	13,638,197	58,593,988	3.93
1890.....	3,084,682	5,676,247	1.84	1925*	13,134,968	49,261,951	3.75
1891.....	3,577,749	7,019,425	1.96	1926*	16,478,131	59,875,994	3.63
1892.....	3,287,745	6,363,757	1.94	1927*	17,420,861	61,867,403	3.55
1893.....	3,783,490	7,359,080	1.95	1928*	17,564,293	63,757,833	3.66
1894.....	3,847,070	7,420,468	1.93	1929*	17,496,557	63,065,170	3.60
1895.....	3,478,344	6,739,153	1.94	1930*	14,881,324	52,849,748	3.55
1896.....	3,745,716	7,226,462	1.93	1931*	12,243,211	41,207,682	3.37
1897.....	3,780,107	7,303,597	1.93	1932*	11,738,913	37,117,695	3.16
1898.....	4,173,108	8,224,288	1.97	1933*	11,903,344	35,923,962	3.02
1899.....	4,925,051	10,283,497	2.09	1934*	13,810,193	42,045,942	3.04
1900.....	5,777,819	13,742,178	2.38	Total.....	521,864,607	1,563,607,275	—

*For the years 1919-1934 the tonnage shown is the total output from all mines; for previous years the tonnage shown includes only sales, colliery consumption, and coal used by the operators.

Table 3.—Output of Coal in Canada, by Grades, 1918-1934

Calendar year	Anthracite		Bituminous		Sub-Bituminous*		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$		\$
1918.....	115,405		11,636,190				3,226,331		14,977,926	55,192,896
1919.....	85,579		10,892,046				2,941,471		13,919,096	55,622,670
1920.....	127,513		13,122,924				3,696,327		16,946,764	42,496,538
1921.....	96,964	330,699	11,680,477	58,848,444			3,280,052	13,272,513	15,057,493	72,451,656
1922.....	40,417	122,538	11,630,488	53,348,507			3,486,526	12,047,452	15,157,431	65,518,497
1923.....	107	322	12,941,877	58,478,670	466,492	1,399,424	3,582,095	12,180,570	16,999,571	72,658,986
1924.....			9,483,732	40,662,894	590,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,988
1925.....			8,939,607	36,793,501	570,654	1,731,267	3,624,707	10,737,183	13,131,968	49,261,951
1926.....			12,393,079	48,153,572	489,736	1,458,116	3,595,316	10,263,406	16,478,131	59,875,094
1927.....			13,006,996	49,385,818	596,155	1,784,973	3,823,710	10,696,672	17,426,861	61,867,463
1928.....			12,971,744	50,584,108	740,496	2,076,212	3,852,053	11,097,513	17,564,293	63,757,833
1929.....			12,859,822	49,995,261	668,702	1,908,954	3,968,033	11,160,955	17,496,557	63,665,170
1930.....			10,824,839	41,799,061	603,358	1,705,236	3,453,127	9,355,451	14,881,324	52,849,748
1931.....			8,861,360	33,165,730	471,343	1,211,197	2,910,508	6,830,755	12,243,211	41,207,682
1932.....			7,714,279	28,073,744	560,902	1,329,316	3,463,732	7,714,635	11,738,913	37,117,695
1933.....			7,979,283	27,757,150	554,118	1,274,017	3,369,943	6,892,795	11,903,344	35,923,962
1934.....			10,058,782	34,356,274	537,508	1,256,936	3,213,903	6,432,732	13,810,193	42,045,942

*Not separately reported prior to 1923.

Table 4.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1933 and 1934

(Short tons)

Province	1933			1934		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			\$			\$
NOVA SCOTIA (Bituminous).....	36	4,557,590	15,969,793	37	6,341,625	21,860,093
NEW BRUNSWICK (Bituminous).....	34	312,303	1,041,744	25	314,750	1,026,343
MANITOBA (Lignite).....	2	3,880	9,214	3	4,113	8,952
SASKATCHEWAN (Lignite).....	*106	927,649	1,285,996	*132	909,288	1,241,130
ALBERTA—						
Bituminous.....	15	1,726,256	5,435,656	16	1,915,800	6,116,513
Sub-bituminous.....	21	554,118	1,274,017	19	537,508	1,256,936
Lignite.....	†296	2,438,414	5,597,585	†280	2,300,502	5,182,650
Total.....	332	4,718,788	12,307,258	315	4,753,810	12,556,099
BRITISH COLUMBIA (Bituminous).....	24	1,382,272	5,306,287	21	1,485,969	5,351,108
YUKON (Bituminous).....	1	862	3,670	1	638	2,217
CANADA—						
Bituminous.....	110	7,979,283	27,757,150	100	10,058,782	34,356,274
Sub-bituminous.....	21	554,118	1,274,017	19	537,508	1,256,936
Lignite.....	404	3,369,943	6,892,785	415	3,213,903	6,432,732
Total.....	535	11,903,344	35,923,962	534	13,810,193	42,045,942

* Exclusive of 93 small mines in operation during part of 1933 and 92 small mines operating during part of 1934.

† Exclusive of 66 small mines operated under special permits in 1933 and 33 small mines in 1934.

Table 5.—Output of Coal from Canadian Mines, by Months, 1930-1934
(Short tons)

Month	1930	1931	1932	1933	1934
January.....	1,643,623	1,179,885	1,188,467	1,038,843	1,290,708
February.....	1,194,711	963,340	1,230,218	1,049,897	1,009,996
March.....	1,136,765	1,051,253	1,050,670	825,023	1,031,525
April.....	913,203	898,747	739,534	670,633	815,015
May.....	1,124,545	912,337	697,764	677,859	1,005,221
June.....	1,151,963	891,425	793,868	698,951	982,952
July.....	1,058,424	831,880	651,911	675,264	991,167
August.....	1,111,676	767,547	727,075	894,837	1,097,064
September.....	1,252,902	1,012,659	934,191	1,140,978	1,305,798
October.....	1,658,315	1,226,032	1,268,028	1,570,351	1,562,917
November.....	1,349,094	1,301,659	1,253,947	1,346,878	1,429,128
December.....	1,284,503	1,206,447	1,203,240	1,304,830	1,288,702
Total.....	14,881,324	12,243,211	11,738,913	11,963,344	13,810,193

Table 6.—Output and Value of Coal in Canada, by Kinds and by Months, 1934

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$
January.....	774,329	2,753,423	65,597	147,397	450,782	899,896	1,290,708	3,890,686
February.....	679,957	2,431,977	50,419	120,336	279,620	527,870	1,009,996	3,080,183
March.....	738,543	2,545,924	48,945	107,237	244,037	435,576	1,031,525	3,088,737
April.....	669,612	2,162,519	38,723	77,583	106,680	178,322	815,015	2,418,424
May.....	895,477	2,916,189	28,501	60,275	81,243	133,018	1,005,221	3,109,482
June.....	883,444	2,920,637	30,056	61,913	69,452	116,367	982,952	3,098,917
July.....	901,316	3,072,723	22,553	53,770	67,298	109,258	991,167	3,235,751
August.....	945,378	3,129,443	15,886	46,565	135,800	257,230	1,097,064	3,433,238
September.....	882,114	2,984,315	40,426	105,177	383,258	842,590	1,305,798	3,932,082
October.....	1,000,323	3,494,207	66,769	157,587	495,825	1,069,173	1,562,917	4,729,967
November.....	924,285	3,232,215	63,350	155,085	441,493	915,240	1,429,128	4,302,510
December.....	764,004	2,712,702	66,283	164,011	458,415	948,222	1,288,702	3,824,935
Total.....	10,058,782	34,356,274	537,508	1,256,936	3,213,903	6,432,732	13,810,193	42,045,942

Table 7.—Tonnage Lost in the Coal Mines of Canada, in 1933 and 1934 Showing, by Provinces, the Relative Percentages Produced and Lost with an Analysis of the Percentage Lost.

Province	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
NOVA SCOTIA.....1933	57	43	0.7	39.5	0.0	0.4	2.4
.....1934	78	22	1.1	19.8	0.0	1.0	0.1
NEW BRUNSWICK.....1933	82	18	3.2	14.5	0.0	0.2	0.1
.....1934	76	24	4.6	18.9	0.0	0.5	0.0
MANITOBA.....1933	69	31	0.0	31.0	0.0	0.0	0.0
.....1934	90	10	0.0	10.0	0.0	0.0	0.0
SASKATCHEWAN.....1933	69	31	0.0	30.6	0.0	0.0	0.4
.....1934	64	36	0.0	35.8	0.0	0.2	0.0
ALBERTA.....1933	61	39	0.3	38.4	0.0	0.0	0.3
.....1934	62	38	0.1	37.9	0.0	0.0	0.0
BRITISH COLUMBIA.....1933	65	35	0.2	34.6	0.0	0.0	0.2
.....1934	71	29	0.2	28.4	0.0	0.0	0.4
Canada.....1933	61	39	0.5	37.2	0.0	0.2	1.1
.....1934	70	30	0.5	28.8	0.0	0.4	0.3

Table 8.—Tonnage Lost in the Coal Mines of Canada Showing, by Months, the Relative Percentage Produced and Lost with an Analysis of the Percentage Lost in 1934

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January.....	67	33	0.4	32.0		0.4	0.2
February.....	61	39	0.7	37.5		0.4	0.4
March.....	61	39	0.6	37.0		0.5	0.3
April.....	58	42	0.5	40.7	0.1	0.5	0.2
May.....	71	29	0.6	26.5	0.2	0.7	1.0
June.....	71	29	0.6	27.7		0.2	0.5
July.....	75	25	0.6	23.9		0.2	0.3
August.....	70	30	0.9	28.2		0.4	0.5
September.....	79	21	0.6	19.2		0.5	0.7
October.....	79	21	0.8	18.9		1.0	0.3
November.....	72	28	0.8	26.3		0.5	0.4
December.....	68	32	0.9	30.1		0.5	0.5
Total.....	70	30	0.5	28.8		0.4	0.3

Table 9.—Disposition of Coal from Canadian Mines, 1933 and 1934

	1933			1934		
	Total coal	Total value	Average value per ton	Total coal	Total value	Average value per ton
	Tons	\$	\$	Tons	\$	\$
Supplied to employees for domestic consumption.....	152,724	437,475	2.86	167,005	472,549	2.82
Used for power purposes—						
(a) Shops.....	87,633	312,378	3.57	84,748	291,208	3.43
(b) Colliery boilers.....	546,088	1,431,573	2.62	569,430	1,513,119	2.65
(c) Companies' railroads.....	56,272	200,193	3.56	68,604	250,300	3.65
(d) Harbour tugs and dredges.....						
Shipped. (See Table 11)—						
(a) Ships' bunkers.....	233,847			340,483		
(b) Railroads.....	2,634,008	33,367,673	3.10	3,178,701	38,921,745	3.11
(c) Other.....	7,904,327			8,986,780		
Used in making coke at colliery.....	84,723	249,815	2.95	131,962	368,203	2.79
Used in making briquettes.....	15,886	49,700	3.13	15,028	48,323	3.22
Put on bank.....	487,197	1,674,828	3.44	866,819	2,955,933	3.41
Put on waste heap.....	230,724			230,311		
Total disposition.....	12,433,427	37,723,635	3.03	14,639,871	44,821,386	3.06
Lifted from bank.....	518,991	1,799,673	3.47	814,880	2,775,438	3.40
Lifted from waste heap.....	11,092			14,798		
Total output.....	11,903,344	35,923,962	3.02	13,810,193	42,045,942	3.04

Table 10.—Disposition of Coal from Canadian Mines, by Provinces, 1934

(Short tons)

	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
Supplied to employees for domestic consumption.....	109,979	3,441	52	3,388	35,491	14,648	6	167,005
Coal shipped. (See Table 11).....	5,737,906	307,988	4,006	866,800	4,320,121	1,268,952	191	12,505,964
Used under colliery boilers, etc.....	296,557	1,605	55	24,404	175,176	101,520	23	569,430
Used by companies' railroads.....	44,856	900		6,965	7,084	8,799		63,604
Used for manufacture of coke at colliery.....					91,745	40,217		131,962
Used in making briquettes.....				264	14,784			15,028
Used in shops, etc.....	84,748							84,748
Used by harbour tugs and dredges.....								
Put on bank.....	747,118	16,663		6,983	51,205	44,828	22	866,819
Put on waste heap.....	48,484	703		6,731	115,181	58,816	396	230,311
Total disposition.....	7,039,648	331,390	4,113	915,535	4,810,767	1,537,780	638	14,639,871
Lifted from bank.....	698,023	16,629		5,775	52,401	42,070		814,880
Lifted from waste heap.....		11		400	4,556	9,741		14,798
Total output.....	6,341,625	314,759	4,113	909,288	4,753,810	1,485,069	638	13,810,193

Table 11.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1933 and 1934

(Short tons)

Destination	1933				1934			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Prince Edward Island.....	4,320	50,873	8,533	63,726	5,748	59,670	10,270	75,688
Nova Scotia.....	110,042	294,894	477,802	882,828	124,542	418,916	625,418	1,168,876
New Brunswick.....	126,697	110,157	217,649	454,503	135,069	117,653	249,606	502,328
Quebec.....	58,128	1,070,384	870,473	1,998,985	121,709	1,308,956	1,453,944	2,884,609
Ontario.....	482	34,361	12,328	47,171	5,273	53,025	20,613	78,911
Manitoba.....	102,054	350,789	452,540	905,383	70,541	304,460	499,551	874,552
Saskatchewan.....	280,407	826,470	448,060	1,554,937	239,046	721,074	511,582	1,471,702
Alberta.....	196,888	422,186	471,692	1,090,766	190,133	393,206	480,629	1,063,968
British Columbia.....	19,362	584,767	132,987	737,116	18,095	465,874	167,133	651,102
Yukon.....		328		328		191		191
Northwest Territories.....						31		31
Total domestic shipments.....	898,380	3,745,209	3,062,154	7,735,743	910,156	3,843,056	4,018,746	8,771,958
Railroads.....	2,002,784	523,616	110,859	2,637,259	2,466,488	607,940	93,655	3,168,083
(In Canada.....)					10,564		54	10,618
Ships' bunkers.....	162,043	71,804		233,847	234,910	105,243	330	340,483
Total railroads and ships' bunkers.....	2,164,827	595,420	110,859	2,871,106	2,711,962	713,183	94,039	3,519,184
United States.....	1,515	18,097	58,131	77,743	2,735	21,136	53,506	77,377
Alaska.....		14,249		14,249		15,290		15,290
Newfoundland.....	9,940	61,045	1,359	72,344	4,116	115,697	120	119,933
Other countries.....		995		995		2,222		2,222
Total external shipments.....	11,455	94,386	59,490	165,331	6,851	154,345	53,626	214,822
Total.....	3,074,662	4,435,015	3,262,503	10,772,180	3,628,969	4,710,584	4,166,411	12,505,964

Table 12.—Exports of Canadian Coal, 1873-1934

(Compiled in the External Trade Branch)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1873.....	420,683		1894.....	1,103,694		1915.....	1,766,543	5,406,058
1874.....	310,988		1895.....	1,011,235		1916.....	2,135,359	7,099,387
1875.....	250,348		1896.....	1,106,661		1917.....	1,733,156	7,387,192
1876.....	248,638		1897.....	986,130		1918.....	1,817,195	9,405,423
1877.....	301,317		1898.....	1,150,029		1919.....	2,070,050	12,438,885
1878.....	327,959		1899.....	1,293,169		1920.....	2,558,174	18,014,899
1879.....	306,648		1900.....	1,787,777		1921.....	1,987,251	13,896,370
1880.....	432,188		1901.....	1,573,661		1922.....	1,818,582	11,159,060
1881.....	395,382		1902.....	2,090,268		1923.....	1,654,406	10,661,399
1882.....	412,682		1903.....	1,954,620		1924.....	773,246	4,836,848
1883.....	486,811		1904.....	1,557,412		1925.....	785,910	4,329,173
1884.....	474,405		1905.....	1,635,287		1926.....	1,028,200	5,739,436
1885.....	427,937		1906.....	1,835,041		1927.....	1,113,330	5,890,259
1886.....	520,703		1907.....	1,894,074		1928.....	863,941	4,469,999
1887.....	580,905		1908.....	1,729,833		1929.....	842,972	4,375,328
1888.....	588,627		1909.....	1,588,090		1930.....	624,512	3,345,998
1889.....	665,315		1910.....	2,377,049		1931.....	359,853	1,909,922
1890.....	724,480		1911.....	1,500,639		1932.....	285,487	1,433,036
1891.....	971,259		1912.....	2,127,133		1933.....	259,233	1,188,225
1892.....	823,733		1913.....	1,562,020	3,951,351	1934.....	306,335	1,400,978
1893.....	960,312		1914.....	1,423,120	3,780,175	Total.....	68,702,087	

Table 13.—Exports of Canadian Coal from Eastern and Western Canada, 1930-1934

(Short tons)

	1930	1931	1932	1933	1934
Eastern Canada.....	375,148	207,023	159,487	171,814	212,151
Western Canada.....	249,364	152,830	126,000	87,419	94,184
Total.....	624,512	359,853	285,487	259,233	306,335

Table 14.—Exports of Canadian Coal, by Destinations, 1932-1934

(Compiled in the *External Trade Branch*)

Destination	1932		1933		1934	
	Short tons	Value	Short tons	Value	Short tons	Value
BRITISH EMPIRE		\$		\$		\$
United Kingdom.....	8,575	53,811	8,918	50,585	21,158	112,653
Irish Free State.....	1,426	8,354	1,753	9,072	1,865	9,437
British South Africa.....	1,607	9,642	5,403	29,466	6,989	34,102
Bermuda.....	44	352	25	262	1,094	5,223
British West Indies—						
Barbados.....					1,235	5,623
Jamaica.....			282	2,115	200	1,500
Trinidad and Tobago.....					970	4,553
Other British West Indies.....					1,184	5,516
Gibraltar.....	439	2,634				
Newfoundland.....	87,539	466,936	79,905	389,032	102,544	470,969
Sierra Leone.....	3,525	20,250			1,111	5,187
Australia.....	13,472	98,506	23,759	152,082	22,126	135,220
New Zealand.....			2,116	11,109	5,004	22,518
Total British Empire.....	116,627	660,485	122,261	643,723	165,480	812,501
FOREIGN COUNTRIES						
Argentina.....	71	515				
Belgium.....	1,570	8,504	1,038	5,814	2,415	11,849
Brazil.....			622	4,521		
Chile.....					994	4,647
China.....	6,815	50,744	308	2,006	834	4,916
Cuba.....	1,502	9,052	443	2,497	1,896	8,890
Denmark.....	30	225				
France.....	999	5,253	1,463	8,173	5,150	25,976
French Possessions—						
French Africa.....	447	2,682				
St. Pierre and Miquelon.....	3,090	19,069	2,727	13,374	1,325	7,241
Germany.....	726	4,904	123	673		
Greece.....						
Italy.....	307	1,689	84	630		
Japan.....	3,523	26,593	3,765	16,789	1,614	7,458
Netherlands.....	2,098	11,011	891	3,932	2,394	11,739
Panama.....					1,063	4,784
Peru.....	976	6,743				
Poland and Danzig.....					305	1,449
Portuguese Africa.....			1,448	7,964		
Russia (U.S.S.R.).....					2,400	18,000
San Domingo.....					297	1,473
Spain.....	161	960			199	995
Sweden.....			406	2,233	185	925
United States.....	135,698	556,127	108,263	375,150	107,162	396,728
Alaska.....	10,847	68,420	14,583	96,710	12,622	81,407
Puerto Rico.....			608	4,045		
Total foreign countries.....	168,860	772,551	136,972	544,502	140,855	588,477
Total.....	285,487	1,433,036	259,233	1,188,225	306,335	1,400,978

Table 15.—Imports of Coal into Canada "Entered for Consumption" 1880-1934

(Compiled in the *External Trade Branch*)

Year	Anthracite coal		Bituminous coal		Bituminous coal dust		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
Fiscal year ending Mar. 31—		\$		\$		\$		\$		\$
1880.....	516,729	1,509,960	547,049	1,220,761	3,565	8,877			1,067,343	2,739,598
1881.....	572,092	2,325,937	587,024	1,741,568	337	666			1,159,453	4,068,171
1882.....	638,273	2,666,356	636,374	1,992,081	471	900			1,275,118	4,659,337
1883.....	751,891	3,344,936	911,629	2,996,198	8,154	10,082			1,671,674	6,351,216
1884.....	868,000	3,831,283	1,118,615	3,613,470	12,782	14,600			1,999,397	7,459,353
1885.....	910,324	3,909,844	1,011,875	3,197,539	20,185	20,412			1,942,384	7,127,795
1886.....	995,425	4,028,050	930,949	2,591,554	36,230	36,996			1,962,604	6,656,600
1887.....	1,100,165	4,423,062	1,149,792	3,126,225	31,401	33,178			2,281,358	7,582,465
1888.....	2,138,627	5,291,875	1,231,234	3,451,661	28,808	34,730			3,398,669	8,778,266
1889.....	1,291,705	5,190,481	1,248,540	3,255,171	39,980	47,139			2,580,225	8,501,791
1890.....	1,201,335	4,595,727	1,409,282	3,528,959	53,104	29,818			2,663,721	8,154,504
1891.....	1,399,067	5,224,452	1,598,855	4,060,896	60,127	36,130			3,058,049	9,321,478
1892.....	1,479,106	5,640,346	1,615,220	4,099,221	82,091	39,840			3,176,417	9,779,497
1893.....	1,500,550	6,355,285	1,603,154	3,967,764	109,585	44,474			3,213,289	10,367,523
1894.....	1,530,522	6,354,040	1,359,509	3,315,094	117,573	49,510			3,007,604	9,718,644
1895.....	1,404,342	5,350,627	1,444,928	3,321,387	181,318	52,221			3,030,588	8,731,335
1896.....	1,574,355	5,667,096	1,538,489	3,299,025	210,386	53,742			3,323,230	9,019,863
1897.....	1,457,295	5,695,168	1,543,476	3,254,217	225,562	59,609			3,226,333	9,008,994
1898.....	1,460,701	5,874,685	1,684,024	3,179,595	229,445	45,556			3,374,170	9,099,836
1899.....	1,745,460	6,490,509	2,171,358	3,691,940	276,547	44,717			4,193,365	10,227,172
1900.....	1,654,101	6,602,912	2,439,764	4,310,964	330,174	98,349			4,424,039	11,012,225
1901.....	1,933,283	7,923,950	2,516,392	4,956,025	414,432	275,559			4,864,107	13,153,534
1902.....	1,652,451	7,021,939	3,047,392	5,712,058	489,548	264,550			5,189,391	12,998,547
1903.....	1,456,713	7,028,664	3,511,412	7,776,717	550,883	420,317			5,519,008	15,225,698
1904.....	2,275,018	10,461,223	4,053,900	9,108,208	608,041	544,128			6,936,959	20,113,559
1905.....	2,604,137	12,093,371	4,176,274	8,002,896	650,261	343,456			7,430,672	20,939,723
1906.....	2,200,863	10,304,308	4,405,550	8,360,348	747,251	489,180			7,443,664	19,153,836
			Bituminous round run-of-mine		Bituminous slack such as will pass through a $\frac{1}{2}$ " screen					
Calendar year—										
1907.....	3,141,873	14,506,129	6,370,152	13,232,445	1,139,256	1,121,949			10,651,281	28,860,523
1908.....	3,160,110	14,478,536	6,025,574	12,516,748	1,111,811	1,355,677			10,297,495	28,350,961
1909.....	3,017,844	13,906,152	5,625,063	11,455,818	1,230,017	1,469,889			9,872,921	26,831,859
1910.....	3,296,235	14,735,062	5,996,466	11,819,341	1,365,281	1,795,598			10,597,982	28,450,001
1911.....	4,020,577	18,784,192	8,905,815	18,407,603	1,632,500	2,090,796			14,558,892	39,292,591
1912.....	4,184,017	20,080,388	8,491,840	16,846,727	1,919,953	2,550,922			14,595,810	39,478,037
1913.....	4,642,057	22,034,839	10,743,473	21,756,058	2,816,423	4,157,622			18,201,953	37,949,119
1914.....	4,435,019	21,241,924	7,776,415	14,954,321	2,509,632	3,605,253			11,721,057	39,801,498
1915.....	4,072,192	18,753,980	6,108,794	7,564,369	2,280,916	2,027,256			12,465,932	28,315,665
1916.....	4,570,815	22,216,393	9,504,552	12,365,679	3,505,236	3,704,624			17,581,693	38,289,666
1917.....	5,320,198	28,109,586	12,407,486	33,712,894	3,129,776	8,739,877			29,857,460	70,562,357
1918.....	4,785,160	26,007,889	13,056,360	37,201,057	3,237,067	8,351,639			21,678,587	71,650,584
1919.....	4,937,095	31,505,694	10,127,965	24,750,717	2,228,197	4,814,388			17,293,251	61,160,799
1920.....	4,982,313	36,773,351	11,548,475	50,808,626	2,312,754	10,451,621			18,843,541	98,033,598
1921.....	4,553,820	40,293,630	11,194,635	41,060,322	2,563,607	7,630,773			18,342,062	88,924,734
1922.....	2,705,752	23,795,143	8,133,366	30,171,375	2,184,407	7,215,910			13,023,526	61,182,428
1923.....	5,165,382	46,457,062	11,933,610	39,511,911	3,888,630	10,387,188	2,331	12,846	20,989,553	95,369,907
1924.....	4,152,558	37,280,910	9,222,019	23,120,128	3,324,195	6,508,515	26,007	117,955	16,724,779	67,027,508
1925*.....	3,782,557	32,096,509	12,548,460 tons	\$26,974,340			18,653	87,832	16,319,671	59,158,681
1926.....	4,192,419	34,202,166	12,376,606 tons	\$25,511,932			10,423	45,667	16,579,449	59,759,661
1927.....	4,107,354	31,282,371	11,458,671 tons	\$30,457,884			10,829	44,254	16,687,351	61,384,519
1928.....	3,748,816	27,680,018	13,445,945 tons	\$26,608,427			10,780	44,247	17,205,541	51,372,692
1929.....	4,019,917	28,809,792	11,470,138 tons	\$27,140,918			14,108	62,508	18,294,163	55,013,268
1930.....	4,256,090	30,098,810	11,497,955 tons	\$26,522,765			18,676	72,691	18,772,721	56,694,366
1931.....	3,162,317	21,067,025	† 9,952,280 tons	\$15,732,710			6,410	29,603	13,121,007	36,829,338
1932.....	3,148,902	19,312,710	† 8,807,131 tons	\$12,011,398			3,004	13,701	11,959,037	31,337,809
1933.....	3,015,571	17,610,091	† 8,185,759 tons	\$10,501,924			2,707	10,176	11,204,037	29,127,191
1934.....	3,500,563	18,414,060	† 9,471,605 tons	\$16,641,659				9,661	12,974,959	35,065,380

Not separately itemized until 1923

*Owing to tariff change in 1925 classification of bituminous coal by grades not recorded since that date.

†Includes "coal ex-warehoused for ships' stores."

Table 16.—Imports of Coal into Eastern and Western Canada, 1933 and 1934

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, and pea	Screenings or Dust	N.O.P.	Total anthracite			
1933							
EASTERN CANADA—							
United States.....	1,254,942	8,034	152,458	1,415,434	7,510,825		8,926,259
Great Britain.....	1,482,956	2,168	116,855	1,601,979	317,932		1,919,911
Germany.....					144		144
Total.....	2,737,898	10,202	269,313	3,017,413	7,828,901		10,846,314
WESTERN CANADA*—							
United States.....	10,546	127	3,722	14,395	578,626	2,707	595,728
Great Britain.....			3,797	3,797	20,129		23,926
China.....			6	6			6
Alaska.....			2	2			2
Total.....	10,546	127	7,527	18,200	598,755	2,707	619,662
Canada—							
United States.....	1,265,488	8,161	156,180	1,429,829	8,089,451	2,707	9,521,887
Great Britain.....	1,482,956	2,168	120,652	1,605,776	338,061		1,913,837
Germany.....					144		144
China.....			6	6			6
Alaska.....			2	2			2
Total.....	2,748,444	10,329	276,840	3,035,613	8,427,656	2,707	11,465,976
1934							
EASTERN CANADA—							
United States.....	1,528,891	13,169	248,047	1,790,107	9,192,591		10,982,698
Great Britain.....	1,593,165	31,077	18,992	1,643,234	329,857		1,973,091
Germany.....	72,103			72,103	50		72,153
Belgium.....	17,557			17,557			17,557
Newfoundland.....	6			6	24		30
Norway.....					280		280
Sweden.....					15		15
Total.....	3,211,722	44,246	267,039	3,523,007	9,522,817		13,045,824
WESTERN CANADA*—							
United States.....	4,830		9,190	14,020	748,780	2,791	765,591
Great Britain.....			282	282	1,660		1,942
Japan.....					300		300
Total.....	4,830		9,472	14,302	750,740	2,791	767,833
Canada—							
United States.....	1,533,721	13,169	257,237	1,804,127	9,911,371	2,791	11,748,289
Great Britain.....	1,593,165	31,077	19,274	1,643,516	331,517		1,975,033
Germany.....	72,103			72,103	50		72,153
Belgium.....	17,557			17,557			17,557
Newfoundland.....	6			6	24		30
Japan.....					300		300
Norway.....					280		280
Sweden.....					15		15
Total.....	3,216,552	44,246	276,511	3,537,309	10,273,557	2,791	13,813,657

*Includes Head of Lakes, Manitoba, and points west.

NOTE.—The import data shown in Tables 16 to 28 inclusive, refer to the total tonnage received at Canadian ports whether or not this coal has been cleared from customs during the period.

Table 17.—Imports of Anthracite and Bituminous Coal into Canada from Great Britain, by Grades and by Provinces, 1933 and 1934

(Short tons)

Destination	1933				1934			
	Anthracite			Bituminous, all grades	Anthracite			Bituminous, all grades
	Grate, egg, stove, nut, and pea	Screenings or dust	N.O.P.		Grate, egg, stove, nut, and pea	Screenings or dust	N.O.P.	
Prince Edward Island...	2,863			1,677			9,557	1,992
Nova Scotia...	49,785			59,984	54,623		339	51,719
New Brunswick...	76,331		247	10,790	78,700		434	12,789
Quebec...	1,329,083	2,168	116,608	244,276	1,427,677	31,077	8,662	263,357
Central Ontario...	24,894			1,205	32,165			
Head of Lakes...								
Manitoba...			150	1,178				1,506
Saskatchewan...				101				112
British Columbia...			3,647	18,850			282	42
Canada.....	1,482,956	2,168	120,652	238,061	1,593,165	31,077	19,274	331,517

Table 18.—Imports of Anthracite, Bituminous and Lignite Coal into Canada from the United States, by Grades and by Provinces, 1933 and 1934

(Short tons)

Destination	1933					1934				
	Anthracite			Bitu- minous, all grades	Lignite	Anthracite			Bitu- minous, all grades	Lignite
	Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.			Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.		
Prince Edward Island...	678			133				1,153	99	
Nova Scotia...	7,850			448		11,677			678	
New Brunswick...	18,685		267	9,249		22,513		103	23,020	
Quebec...	234,910	5,761	43,128	433,706		293,092	8,997	106,826	659,566	
Ontario...	1,001,561	2,273	109,063	7,624,429		1,206,051	4,172	143,457	9,243,021	
Manitoba...	1,804	95	3,620	12,035	292	388		5,698	10,597	253
Saskatchewan...		32	25	1,226	317				1,123	42
Alberta...			75	998					1,302	10
British Columbia...			2	7,220	2,098				1,928	2,486
Yukon...				7					37	
Canada.....	1,265,488	8,161	156,180	8,089,451	2,707	1,533,721	13,169	257,237	9,941,371	2,791

Table 19.—Imports of Anthracite and Bituminous Coal into Canada from Other Countries, by Provinces, 1933 and 1934

(Short tons)

Destination	Source	1933				1934			
		Anthracite			Bitu- minous, all grades	Anthracite			Bitu- minous, all grades
		Grate, egg, stove, nut and pea	Screen- ings or dust	N.O.P.		Grate, egg, stove, nut, and pea	Screen- ings or dust	N.O.P.	
Prince Edward Island...	Newfoundland...								24
New Brunswick...	Germany...				144				
Quebec...	Germany...					72,103			50
	Belgium...					17,557			
	Newfoundland...					6			
	Norway...								280
	Sweden...								15
British Columbia...	China...			6					
	Japan...								300
	Alaska...			2					
Canada.....				8	144	89,666			669

Table 20.—Imports of Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1933 and 1934

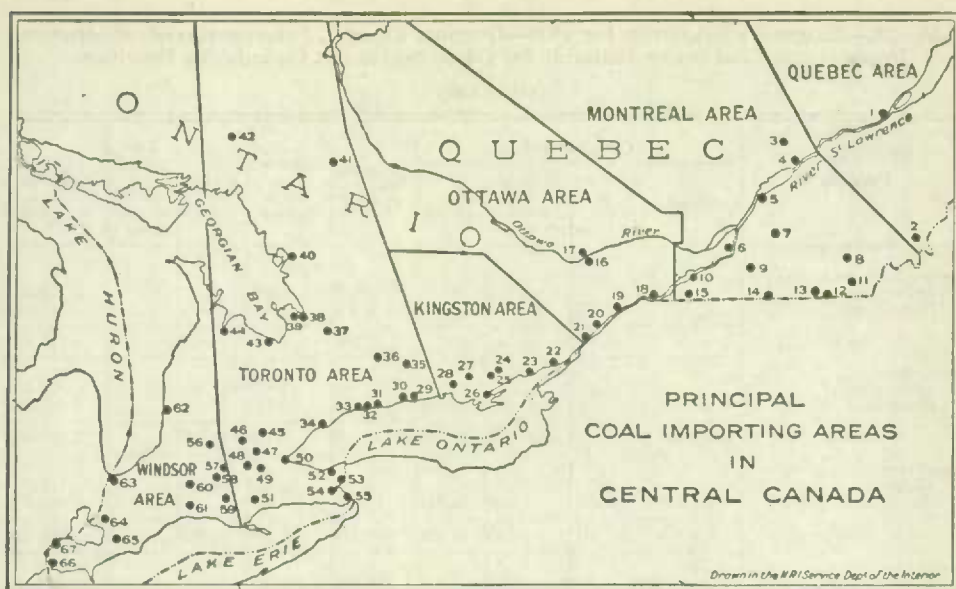
(Short tons)

Month	1933				1934			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January.....	122,618	17,670		140,288	171,847	10,067		181,914
February.....	128,049	47,285		175,334	129,584	35,889		165,473
March.....	107,369	28,458		135,827	195,997	20,061		216,058
April.....	63,617	87,083		150,700	79,512	5,811		85,323
May.....	41,926	230,126	6	272,058	158,027	302,019		460,046
June.....	90,920	198,356		289,276	163,399	213,083		376,482
July.....	162,911	177,974		340,885	129,671	199,947	6	329,624
August.....	146,498	171,398		317,896	104,813	195,218	5,937	305,968
September.....	208,318	171,679	2	379,999	165,164	213,490	17,802	396,456
October.....	118,841	202,838		321,679	168,243	204,762	18,394	391,399
November.....	132,507	225,048		357,555	185,382	228,357	36,327	450,066
December.....	106,255	47,861		154,116	152,488	14,812	11,200	178,500
Total.....	1,429,829	1,685,776	8	3,035,612	1,804,127	1,643,516	89,666	3,537,309
BITUMINOUS—								
January.....	325,915	19,615		345,530	355,091	4,217		359,308
February.....	267,342	12,105		279,447	248,826	5,606		254,432
March.....	354,970	7,085		362,055	477,452	13,406		490,858
April.....	269,381	12,209	144	281,734	359,757	6,092		365,849
May.....	636,997	29,780		666,777	1,035,287	52,921		1,088,208
June.....	807,728	24,264		831,992	1,351,576	24,269		1,355,845
July.....	876,832	21,238		898,070	1,189,068	27,045	50	1,216,163
August.....	951,582	30,251		981,833	1,126,836	29,268	300	1,156,404
September.....	1,053,338	30,488		1,083,826	1,151,823	45,407		1,197,230
October.....	830,264	52,693		882,957	1,112,112	57,004		1,169,116
November.....	984,111	79,259		1,063,370	1,157,957	57,461	319	1,215,737
December.....	730,991	19,074		750,065	595,586	8,821		604,407
Total.....	8,089,451	338,061	144	8,427,656	9,941,371	331,517	669	10,273,557
LIGNITE—								
January.....	388			388	596			596
February.....	491			491	144			144
March.....	26			26	135			135
April.....	11			11	190			190
May.....					14			14
June.....	45			45	48			48
July.....	54			54				
August.....	21			21	97			97
September.....	235			235	173			173
October.....	291			291	248			248
November.....	642			642	368			368
December.....	503			503	778			778
Total.....	2,707			2,707	2,791			2,791

Table 21.—Average Imports of Coal into Central Canada, by Principal Areas, for the Five Years, 1930-1934

(Short tons)

Destination	Anthracite			Total bituminous	Total all grades
	Grate, egg, stove, nut and pea	Other	Total		
Quebec.....	151,926	4,623	156,549	92,717	249,266
Montreal.....	1,434,742	146,233	1,580,975	804,523	2,385,498
Ottawa.....	118,222	21,212	139,434	706,594	846,028
Kingston.....	63,258	4,214	67,472	147,369	214,841
Toronto.....	999,846	96,439	1,096,285	4,631,999	5,728,284
Windsor.....	179,830	8,736	188,566	2,073,447	2,262,013
Total.....	2,947,824	281,457	3,229,281	8,456,649	11,685,930



Key to the Ports of Entry Shown on the Map

Quebec Area—			
1	Quebec City		
2	Megantic		
Montreal Area—			
3	Shawinigan Falls		
4	Three Rivers		
5	Sorel		
6	Montreal		
7	St. Hyacinthe		
8	Sherbrooke		
9	St. John's		
10	Valleyfield		
11	Costicook		
12	Beebe Junction		
13	Mansonville		
14	St. Armand		
15	Athletan		
Ottawa Area—			
16	Ottawa		
17	Hull		
18	Cornwall		
19	Morrisburg		
20	Prescott		
21	Brockville		
Kingston Area—			
22	Gananoque		
23	Kingston		
24	Napanee		
25	Deseronto		
26	Picton		
27	Belleville		
28	Trenton		
Toronto Area—			
29	Colborne		
30	Port Hope		
31	Bowmanville		
Toronto Area—Con.			
32	Oshawa		
33	Whitby		
34	Toronto		
35	Peterboro		
36	Linlithgow		
37	Orillia		
38	Port McNicoll		
39	Midland		
40	Parry Sound		
41	North Bay		
42	Sudbury		
43	Collingwood		
44	Owen Sound		
45	Guelph		
46	Kitchener		
47	Galt		
48	Paris		
49	Brantford		
50	Hamilton		
Toronto Area—Con.			
51	Simcoe		
52	St. Catharines		
53	Niagara Falls		
54	Welland		
55	Bridgeburg		
Windsor Area—			
56	Stratford		
57	Woodstock		
58	Ingersoll		
59	Tillsonburg		
60	London		
61	St. Thomas		
62	Goderich		
63	Sarnia		
64	Wallaceburg		
65	Chatham		
66	Amherstburg		
67	Windsor		

Table 22.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1930-1934

(Short tons)

Destination	Anthracite			Total bituminous	Lignite	Total all grades
	Grate, egg, stove, nut and pea	Other	Total			
Prince Edward Island.....	4,006	3,667	7,673	4,226		11,899
Nova Scotia.....	61,397	87	61,484	48,755		110,239
New Brunswick.....	100,124	806	100,930	38,539		139,469
Quebec.....	1,591,398	151,416	1,742,814	906,633		2,649,447
Central Ontario.....	1,360,590	130,218	1,490,808	8,321,114		9,811,923
Head of Lakes.....	15,904	2,675	18,579	840,862		859,441
Total Ontario.....	1,376,494	132,893	1,509,387	9,161,976		10,671,363
Manitoba.....	2,634	2,880	5,514	13,911	140	19,565
Manitoba and Head of Lakes.....	18,538	5,555	24,093	854,773	140	879,606
Saskatchewan.....	73	12	85	1,474	227	1,786
Alberta.....		16	16	1,078	2	1,096
British Columbia.....	224	935	1,159	8,619	6,349	16,127
Yukon.....				13		13
Canada.....	3,136,350	292,712	3,429,062	10,185,224	6,718	13,621,004

Table 23.—Summary Statistics for 1930—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Russia	Imported from other countries	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported					
PRINCE EDWARD ISLAND—									
Anthracite.....					8,033	1,496			9,529
Bituminous.....		87,904			4,408	1,676			93,988
Total.....		87,904			12,441	3,172			103,517
NOVA SCOTIA—									
Anthracite.....					30,086	29,859	14,340		74,285
Bituminous.....	6,252,552		2,424,578	350,154	18,018	19,557			3,515,395
Total.....	6,252,552		2,424,578	350,154	48,104	49,416	14,340		3,589,680
NEW BRUNSWICK—									
Anthracite.....					28,325	60,844	24,880		114,049
Bituminous.....	209,349	443,111	499	24,724	72,299	35			699,571
Total.....	209,349	443,111	499	24,724	100,624	60,879	24,880		813,620
QUEBEC—									
Anthracite.....					754,897	903,928	252,187	(a)11,480	1,922,492
Bituminous.....		1,894,082		200	1,111,811	124,931		(b) 33	3,130,637
Sub-bituminous.....		32							32
Total.....		1,894,094		200	1,866,708	1,028,859	252,187	11,513	5,053,161
CENTRAL ONTARIO—									
Anthracite.....					2,080,681				2,080,681
Bituminous.....		• 140		38	10,492,151				10,492,253
Sub-bituminous.....		• 5,729							5,729
Lignite.....		• 25,843		32					25,811
Total.....		31,712		70	12,572,832				12,604,474
MANITOBA AND HEAD OF LAKES—									
Anthracite.....					53,564				53,564
Bituminous.....		87,548		433	1,488,336				1,575,451
Sub-bituminous.....		74,031							74,031
Lignite.....		614,287		1,969					612,318
Total.....		775,860		2,402	1,541,900				2,315,364
SASKATCHEWAN—									
Anthracite.....					367				367
Bituminous.....		127,788		16	1,816				129,588
Sub-bituminous.....		61,733							61,733
Lignite.....	579,424	1,101,598	226,475	6,059	736				1,449,224
Total.....	579,424	1,291,110	226,475	6,075	2,919				1,640,912
ALBERTA—									
Bituminous.....	2,278,467	34,444	179,702	99	1,351				2,134,461
Sub-bituminous.....	603,358		193,321						410,037
Lignite.....	2,873,703	1,535	1,650,336	1,222					1,223,680
Total.....	5,755,528	35,979	2,023,359	1,321	1,351				3,768,178
BRITISH COLUMBIA—									
Anthracite.....					1			(c)1,122	1,123
Bituminous.....	2,083,818	41,597	111,815	218,826	8,879				1,803,653
Sub-bituminous.....		51,796							51,796
Lignite.....		133,548		20,740	17,940				130,748
Total.....	2,083,818	226,941	111,815	239,566	26,820			1,122	1,987,320
YUKON—									
Bituminous.....	653				7				660
Total.....	653				7				660
CANADA—									
Anthracite.....					2,955,954	996,127	291,407	12,602	4,256,090
Bituminous.....	10,824,839	2,716,594	2,716,594	504,490	13,199,076	146,199		33	23,575,657
Sub-bituminous.....	603,358	193,321	193,321						603,358
Lignite.....	3,453,127	1,876,811	1,876,811	30,022	18,676				3,441,781
Total.....	14,881,324	4,786,726	4,786,726	624,512	16,173,706	1,142,326	291,407	12,635	31,876,886

(a) Imported from Germany. (b) Imported from Newfoundland. (c) Imported from French East Indies.

*Shipments to any point in Ontario from western mines.

Table 24.—Summary Statistics for 1931—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from French East Indies	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported					
PRINCE EDWARD ISLAND—									
Anthracite.....					1,271	7,413			8,684
Bituminous.....		76,483			3,246	1,833			81,562
Total.....		76,483			4,517	9,246			90,246
NOVA SCOTIA—									
Anthracite.....					15,304	34,844	4,592		54,740
Bituminous.....	4,955,563		2,231,463	151,912	5,685	38,352			2,616,225
Total.....	4,955,563		2,231,463	151,912	20,989	73,196	4,592		2,670,965
NEW BRUNSWICK—									
Anthracite.....					39,420	45,598			85,018
Bituminous.....	182,181	408,843	98	54,986	31,068	6,162			573,170
Total.....	182,181	408,843	98	54,986	70,488	51,760			658,188
QUEBEC—									
Anthracite.....					544,963	786,301	60,762		1,392,026
Bituminous.....		1,746,183		57	858,015	76,560			2,679,701
Sub-bituminous.....		67							67
Lignite.....		33							33
Total.....		1,746,283		57	1,402,978	861,861	60,762		4,071,827
CENTRAL ONTARIO—									
Anthracite.....					1,613,435	2,208			1,615,643
Bituminous.....		455		30	8,619,083	391			8,619,899
Sub-bituminous.....		*5,792							5,792
Lignite.....		*22,151		38					22,113
Total.....		28,398		68	10,232,518	2,599			10,263,447
MANITOBA AND HEAD OF LAKES—									
Anthracite.....					21,967				21,967
Bituminous.....		176,804		92	703,130				879,842
Sub-bituminous.....		48,250							48,250
Lignite.....	1,306	520,023		1,196					520,133
Total.....	1,306	745,077		1,288	725,127				1,470,222
SASKATCHEWAN—									
Anthracite.....									
Bituminous.....		120,467		9	1,555				121,993
Sub-bituminous.....		27,215							27,215
Lignite.....	662,836	822,844	246,036	2,233	23				1,237,434
Total.....	662,836	970,526	246,036	2,242	1,558				1,386,642
ALBERTA—									
Bituminous.....	1,846,306	34,247	214,904	230	912				1,666,331
Sub-bituminous.....	471,343		119,027						352,316
Lignite.....	2,246,366	33	1,211,662	961					1,033,776
Total.....	4,564,015	34,280	1,545,593	1,191	912				3,052,423
BRITISH COLUMBIA—									
Anthracite.....					33				33
Bituminous.....	1,876,406	41,589	158,606	128,986	2,298				1,632,701
Sub-bituminous.....		37,703							37,703
Lignite.....		92,614		19,123	6,387				79,878
Total.....	1,876,406	171,906	158,606	148,109	8,718				1,750,315
YUKON—									
Bituminous.....	904				10				914
Total.....	904				10				914
CANADA—									
Anthracite.....					2,236,423	876,364	60,762	4,592	3,178,141
Bituminous.....	8,861,360	2,605,071	2,605,071	336,302	10,224,982	122,298			18,872,338
Sub-bituminous.....	471,343	119,027	119,027						471,343
Lignite.....	2,910,508	1,457,698	1,457,698	23,551	6,410				2,893,367
Total.....	12,243,211	4,181,796	4,181,796	359,853	12,467,815	998,662	60,762	4,592	25,415,189

*Shipments to any point in Ontario from western mines.

Table 25.—Summary Statistics for 1932—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from French East Indies	Imported from Belgium	Imported from Newfoundland	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported							
PRINCE EDWARD ISLAND—											
Anthracite.....					2,034	3,865					5,899
Bituminous.....		69,142		70	3,973	2,067					75,112
Total.....		69,142		70	6,007	5,932					81,011
NOVA SCOTIA—											
Anthracite.....					10,177	43,294			650		54,121
Bituminous.....	4,084,581		2,024,831	108,028	59	40,274					2,001,055
Total.....	4,084,581		2,024,831	108,028	10,236	92,568			650		2,055,176
NEW BRUNSWICK—											
Anthracite.....					29,666	78,633					108,299
Bituminous.....	212,695	367,728	2,067	51,315	11,349	15,792					554,182
Total.....	212,695	367,728	2,067	51,315	41,015	94,425					662,481
QUEBEC—											
Anthracite.....					408,005	1,241,704	52,189				1,701,898
Bituminous.....		1,587,423		66	470,781	290,780				2	2,348,920
Sub-bituminous.....		135									135
Lignite.....											
Total.....		1,587,558		66	878,786	1,532,484	52,189			2	4,050,953
CENTRAL ONTARIO—											
Anthracite.....					1,223,839	26,919					1,250,758
Bituminous.....		3,031		8	6,913,221	3,001					6,919,245
Sub-bituminous.....		5,709									5,709
Lignite.....		21,016									21,016
Total.....		29,756		8	8,137,060	29,920					8,196,728
MANITOBA AND HEAD OF LAKES—											
Anthracite.....					11,808	4,069					16,477
Bituminous.....		201,154		195	766,148						967,107
Sub-bituminous.....		63,387									63,387
Lignite.....	1,552	636,622		1,125	156						637,205
Total.....	1,552	901,163		1,320	778,112	4,669					1,684,176
SASKATCHEWAN—											
Anthracite.....											
Bituminous.....		111,889		611	1,459						112,737
Sub-bituminous.....		33,858									33,858
Lignite.....	887,139	1,011,895	368,715	2,197	17						1,528,139
Total.....	887,139	1,157,642	368,715	2,808	1,476						1,674,734
ALBERTA—											
Anthracite.....					3						3
Bituminous.....	1,734,705	11,231	225,450	287	830						1,521,029
Sub-bituminous.....	560,902		141,837								419,065
Lignite.....	2,575,041		1,385,624	709							1,188,708
Total.....	4,870,648	11,231	1,752,911	996	833						3,128,805
BRITISH COLUMBIA—											
Anthracite.....						2		700			702
Bituminous.....	1,681,490	21,109	120,359	109,713	2,424	1,154					1,476,105
Sub-bituminous.....		38,748									38,748
Lignite.....		84,806		11,183	2,831						76,474
Total.....	1,681,490	144,663	120,359	120,876	5,255	1,156		700			1,592,029
YUKON—											
Bituminous.....	808				4						812
Total.....	808				4						812
CANADA—											
Anthracite.....					1,685,532	1,399,066	52,189	700	650		3,138,157
Bituminous.....	7,714,279	2,372,707	2,372,707	270,293	8,170,248	302,068				2	15,976,304
Sub-bituminous.....	560,902	141,837	141,837								560,902
Lignite.....	3,463,732	1,754,339	1,754,339	15,194	3,004						3,451,542
Total.....	11,738,913	4,268,883	4,268,883	285,487	9,858,784	1,761,134	52,189	700	650	2	23,126,905

* Shipments to any point in Ontario from western mines.

Table 26.—Summary Statistics for 1933—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Ger- many	Im- ported from China	Im- ported from Alaska	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported						
PRINCE EDWARD ISLAND—										
Anthracite.....					678	2,863				3,541
Bituminous.....		63,726			133	1,677				65,536
Total.....		63,726			811	4,540				69,077
NOVA SCOTIA—										
Anthracite.....					7,850	49,785				57,635
Bituminous.....	4,557,590	2,158	2,387,032	116,098	448	58,984				2,117,060
Total.....	4,557,590	2,158	2,387,032	116,098	8,298	109,769				2,174,685
NEW BRUNSWICK—										
Anthracite.....					18,952	76,578				95,530
Bituminous.....	312,303	320,391	5,711	55,716	9,249	10,790	144			591,450
Total.....	312,303	320,391	5,711	55,716	28,201	87,368	144			686,980
QUEBEC—										
Anthracite.....					283,799	1,447,859				1,731,658
Bituminous.....		1,998,953			433,706	244,276				2,676,935
Sub-bituminous..		32								32
Total.....		1,998,985			717,505	1,692,135				4,408,625
CENTRAL ONTARIO—										
Anthracite.....					1,104,155	24,894				1,129,049
Bituminous.....		9,658			7,067,289	1,205				7,078,152
Sub-bituminous..		*19,166								19,166
Lignite.....		*18,347								18,347
Total.....		47,171			8,171,444	26,099				8,244,714
MANITOBA AND HEAD OF LAKES—										
Anthracite.....					14,261	150				14,411
Bituminous.....		215,957		24	569,175	1,178				786,286
Sub-bituminous..		66,256								66,256
Lignite.....	3,890	619,338		1,194	292					622,316
Total.....	3,890	901,551		1,218	583,728	1,328				1,489,269
SASKATCHEWAN—										
Anthracite.....					57					57
Bituminous.....		94,247		21	1,226	101				95,553
Sub-bituminous..		21,707								21,707
Lignite.....	927,649	961,774	376,922	3,602	317					1,509,126
Total.....	927,649	1,077,728	376,922	3,713	1,600	101				1,626,443
ALBERTA—										
Anthracite.....					75					75
Bituminous.....	1,726,256	5,921	240,141	310	998					1,492,724
Sub-bituminous..	554,118		140,196							413,922
Lignite.....	2,438,414		1,286,502	816						1,151,096
Total.....	4,718,788	5,921	1,666,839	1,126	1,073					3,057,817
BRITISH COLUMBIA—										
Anthracite.....					2	3,647		6	2	3,657
Bituminous.....	1,382,272	19,723	97,850	75,295	7,220	18,850				1,254,920
Sub-bituminous..		33,035								33,035
Lignite.....		63,965		6,067	2,098					59,996
Total.....	1,382,272	116,723	97,850	81,362	9,320	22,497		6	2	1,351,608
YUKON—										
Bituminous.....	862				7					869
Total.....	862				7					869
CANADA—										
Anthracite.....					1,429,829	1,605,776		6	2	3,035,613
Bituminous.....	7,979,283	2,730,734	2,730,734	247,464	8,089,451	338,061	144			16,159,475
Sub-bituminous..	554,118	140,196	140,196							554,118
Lignite.....	3,309,943	1,663,424	1,663,424	11,769	2,707					3,360,881
Total.....	11,903,344	4,534,354	4,534,354	259,233	9,521,987	1,943,837	144	6	2	23,110,087

* Shipments to any point in Ontario from western mines.

Table 27.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Canada, by Provinces

(Short tons)

Province	Canadian coal				Im- ported from U.S.A.	Im- ported from Great Britain	Im- ported from Ger- many	Im- ported from Bel- gium	Im- ported from New- found- land	Im- ported from other count- ries	Coal available for con- sumption
	Output	Re- ceived from other prov.	Shipped to other prov.	Ex- ported							
PRINCE EDWARD ISLAND—											
Anthracite.....					1,153	9,557					10,710
Bituminous.....		75,688			99	1,992			24		77,803
Total.....		75,688			1,252	11,549			24		88,513
NOVA SCOTIA—											
Anthracite.....					11,677	54,962					66,639
Bituminous.....	6,341,625	165	3,333,420	169,972	678	51,719					2,890,795
Total.....	6,341,625	165	3,333,420	169,972	12,355	106,681					2,957,434
NEW BRUNSWICK—											
Anthracite.....					22,616	79,134					101,750
Bituminous.....	314,750	365,153	13,793	42,128	23,020	12,780					659,791
Total.....	314,750	365,153	13,793	42,128	45,636	91,923					761,541
QUEBEC—											
Anthracite.....					408,915	1,467,416	72,103	17,557	6		1,965,997
Bituminous.....	2,884,609			50	659,566	203,357	50			295	3,807,827
Sub-bituminous.....											
Total.....	2,884,609			50	1,068,481	1,730,773	72,153	17,557	6	295	5,773,824
CENTRAL ONTARIO—											
Anthracite.....					1,345,746	32,165					1,377,911
Bituminous.....		26,162		1	8,509,228						8,535,389
Sub-bituminous.....		*20,357									20,357
Lignite.....		*32,392									32,392
Total.....		78,911		1	9,854,974	32,165					9,966,049
MANITOBA AND HEAD OF LAKES—											
Anthracite.....					14,020						14,020
Bituminous.....		213,054		51	744,390	1,506					958,899
Sub-bituminous.....		70,980									70,980
Lignite.....	4,113	589,512		1,383	253						589,495
Total.....	4,113	870,546		1,434	758,663	1,506					1,633,394
SASKATCHEWAN—											
Anthracite.....											
Bituminous.....		74,567		29	1,123	112					75,773
Sub-bituminous.....		14,165									14,165
Lignite.....	909,288	913,037	381,368	3,925	42						1,437,074
Total.....	909,288	1,001,769	381,368	3,954	1,165	112					1,527,012
ALBERTA—											
Anthracite.....											
Bituminous.....	1,915,800	10,616	227,262	349	1,302						1,700,107
Sub-bituminous.....	537,508		132,703								404,805
Lignite.....	2,300,502		1,204,472	1,014	10						1,095,026
Total.....	4,753,810	10,616	1,564,437	1,363	1,312						3,199,938
BRITISH COLUMBIA—											
Anthracite.....						282					282
Bituminous.....	1,485,969	42,899	118,438	82,290	1,928	42				300	1,330,410
Sub-bituminous.....		27,170									27,170
Lignite.....		53,899		5,127	2,486						51,258
Total.....	1,485,969	123,968	118,438	87,417	4,414	324				300	1,409,120
YUKON—											
Bituminous.....	638			16	37						659
Total.....	638			16	37						659
NORTHWEST TERRITORIES—											
Sub-bituminous.....		31									31
Total.....		31									31
CANADA—											
Anthracite.....					1,804,127	1,643,516	72,103	17,557	6		3,537,309
Bituminous.....	10,058,782	3,692,913	3,692,913	294,886	9,941,371	331,517	50		24	595	20,037,453
Sub-bituminous.....	537,508	132,703	132,703								537,508
Lignite.....	3,213,903	1,585,840	1,585,840	11,449	2,791						3,205,245
Total.....	13,810,193	5,411,456	5,411,456	306,335	11,748,289	1,975,033	72,153	17,557	30	595	27,317,515

* Shipments to any point in Ontario from western mines.

Table 28.—Coal Made Available for Consumption in Canada, 1933 and 1934

(Short tons)

Month	1933				1934			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,038,843	488,206	37,971	1,487,078	1,290,708	541,818	17,956	1,814,570
February.....	1,049,897	455,272	22,413	1,482,756	1,009,996	420,049	26,015	1,404,030
March.....	825,023	497,908	22,531	1,300,400	1,031,525	707,051	19,397	1,719,179
April.....	670,633	432,445	8,363	1,094,715	815,015	451,362	8,134	1,258,243
May.....	677,859	938,835	15,008	1,601,686	1,005,221	1,548,268	23,763	2,529,726
June.....	698,951	1,121,313	12,155	1,808,109	982,952	1,532,375	22,370	2,492,957
July.....	675,264	1,239,009	18,894	1,895,379	991,167	1,545,787	20,884	2,516,070
August.....	894,837	1,299,750	21,635	2,172,952	1,097,064	1,462,469	26,213	2,533,320
September.....	1,140,978	1,464,080	19,049	2,585,989	1,305,798	1,593,859	20,719	2,878,938
October.....	1,579,351	1,204,927	23,258	2,761,020	1,562,917	1,560,763	45,320	3,078,360
November.....	1,346,878	1,421,567	26,135	2,742,310	1,429,128	1,666,171	29,634	3,065,665
December.....	1,304,830	904,684	31,821	2,177,693	1,288,702	783,685	45,930	2,026,457
Total.....	11,993,344	11,465,976	259,233	23,116,087	13,810,193	13,813,657	306,335	27,317,515

Table 29.—Annual Consumption of Coal in Canada, 1902-1934

Calendar year	Canadian*		Imported coal "entered for consumption"				Total	Per capita
			From U.S.A.	From Great Britain	Total†			
	Short tons	%	Short tons	Short tons	Short tons	%	Short tons	
1902.....	5,376,413	53.1	4,656,286	101,726	4,734,559	46.9	10,110,972	1.848
1903.....	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7	12,684,185	2.212
1904.....	6,697,183	47.9	7,238,869	85,687	7,297,482	52.1	13,994,665	2.412
1905.....	7,032,661	49.4	7,233,738	68,500	7,215,446	50.6	14,249,107	2.341
1906.....	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5	15,685,885	2.481
1907.....	8,617,352	45.0	10,588,697	54,325	10,549,503	55.0	19,166,855	2.947
1908.....	9,156,478	47.3	10,203,335	97,514	10,195,424	52.7	19,351,902	2.820
1909.....	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1	18,625,202	2.682
1910.....	10,532,103	50.2	10,545,451	51,541	10,437,123	49.8	20,970,226	2.960
1911.....	9,822,749	40.5	14,510,129	48,963	14,424,949	59.5	24,247,698	3.365
1912.....	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0	26,934,800	3.657
1913.....	13,450,158	42.6	18,145,769	37,825	18,132,387	57.4	31,582,545	4.196
1914.....	12,214,403	45.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3.490
1915.....	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9	23,906,692	3.041
1916.....	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,865,856	3.717
1917.....	12,313,603	37.2	20,848,009	9,451	20,810,132	62.8	33,123,735	4.049
1918.....	13,160,731	37.8	21,674,826	3,761	21,611,101	62.2	34,771,832	4.175
1919.....	11,611,168	40.3	17,292,913	344	17,236,209	59.7	28,847,437	3.402
1920.....	14,025,566	42.9	18,752,981	.....	18,668,741	57.1	32,694,397	3.788
1921.....	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9	30,974,121	3.624
1922.....	13,044,352	50.2	12,255,555	765,980	12,962,189	49.8	26,006,541	2.916
1923.....	15,070,962	41.8	20,417,239	572,570	20,967,971	58.2	36,038,933	4.000
1924.....	12,529,358	42.8	16,405,344	317,112	16,714,143	57.2	29,243,501	3.199
1925.....	12,125,290	42.6	15,744,957	604,117	16,331,971	57.4	28,457,261	3.062
1926.....	15,086,296	47.7	16,204,405	287,299	16,565,555	52.3	31,651,851	3.349
1927.....	15,944,983	40.7	17,266,434	907,220	18,177,303	53.3	34,122,266	3.541
1928.....	16,487,807	50.0	15,830,688	682,755	16,515,582	50.0	33,003,389	3.356
1929.....	16,387,461	48.0	16,780,452	843,502	17,724,132	52.0	34,111,593	3.402
1930.....	14,052,671	43.3	16,071,933	1,144,861	18,412,039	56.7	32,464,710	3.181
1931.....	11,682,779	47.7	11,793,798	987,442	12,828,327	52.3	24,511,106	2.362
1932.....	11,212,701	49.0	9,889,866	1,727,716	11,654,492	51.0	22,867,193	2.177
1933.....	11,456,273	51.5	8,865,935	1,942,875	10,808,962	48.5	22,265,235	2.085
1934.....	13,238,406	51.1	10,580,710	1,981,116	12,651,168	48.9	25,887,574	2.392

*The sum of Canadian coal minesales, colliery consumption, coal supplied to employees, and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

Table 30.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1934

Year	Output	Imports	*Exports	Coke made available for consumption	Coal equivalent of imported coke	
	Tons	Tons	Tons	Tons	Tons	Tons per capita
1902	502,043	266,140	62,568	705,615	409,446	.075
1903	561,318	258,703	32,608	787,413	398,004	.069
1904	554,083	239,310	102,463	690,930	368,169	.063
1905	700,488	470,486	116,071	1,054,903	723,824	.119
1906	782,055	501,942	37,003	1,246,994	772,218	.122
1907	842,003	624,649	70,617	1,396,035	960,997	.147
1908	858,237	420,971	58,708	1,226,520	656,878	.096
1909	862,011	601,425	74,067	1,449,369	1,017,578	.146
1910	902,715	737,088	57,971	1,581,832	1,133,980	.160
1911	935,651	751,389	9,852	1,677,188	1,153,982	.160
1912	1,411,229	628,174	57,744	1,981,659	966,420	.132
1913	1,530,499	723,906	68,235	2,186,170	1,113,700	.147
1914	1,023,860	553,046	67,838	1,509,068	850,839	.110
1915	1,170,473	637,857	35,869	1,772,461	981,317	.126
1916	1,469,741	757,116	48,539	2,178,318	1,164,793	.144
1917	1,245,862	670,106	23,595	2,192,373	1,492,469	.182
1918	1,250,744	1,165,590	20,612	2,386,722	1,793,213	.215
1919	1,675,032	383,374	14,709	2,043,697	589,805	.069
1920	1,708,203	586,406	39,536	2,255,073	902,182	.104
1921	1,463,999	228,030	20,907	1,671,122	350,815	.039
1922	1,232,646	336,270	19,831	1,549,085	517,338	.058
1923	1,668,298	733,604	34,407	2,367,495	1,128,620	.125
1924	1,436,912	521,725	23,144	1,935,493	802,653	.087
1925	1,546,739	852,427	25,578	2,373,598	1,311,495	.141
1926	2,027,058	998,034	41,699	2,973,393	1,520,051	.161
1927	2,026,438	772,235	74,109	2,724,564	1,188,053	.123
1928	2,314,127	1,060,029	25,058	3,349,098	1,630,812	.168
1929	2,677,581	1,220,853	25,208	3,879,226	1,887,464	.193
1930	2,385,994	1,061,040	29,801	3,417,273	1,632,368	.164
1931	1,832,700	733,274	20,905	2,545,069	1,128,113	.109
1932	1,637,701	651,802	15,469	2,274,034	1,002,771	.095
1933	1,772,164	644,075	5,199	2,411,040	990,884	.093
1934	2,243,420	930,221	7,396	3,166,245	1,431,108	.132

* Prior to 1925 exports of petroleum coke were included.

Table 31.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1911-1934

(Compiled in the Transportation Branch)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$
Year ended June 30—						
1911	6,444		6,769,903		6,776,347	
1912	5,374		7,732,938		7,738,312	
1913	4,602		9,010,963		9,015,625	
1914	5,271		8,268,186		8,273,457	
1915	3,691		6,673,845		6,677,536	
1916	4,899		6,672,455		6,677,354	
1917	4,900		9,783,524		9,788,424	
1918	3,283		9,836,623		9,839,906	
1919	4,430		9,136,593		9,141,023	
Calendar year—						
1920	4,270		10,372,687		10,376,957	
1921	9,681		8,784,007		8,794,288	
1922	8,721	70,523	9,032,366	57,639,011	9,041,087	57,706,534
1923	15,184	97,243	9,925,792	59,489,294	9,940,976	59,586,537
1924	12,400	69,496	9,003,116	49,592,428	9,015,516	49,661,924
1925	12,809	61,006	8,809,969	44,954,692	8,822,778	45,015,758
1926	13,636	61,420	9,204,051	44,111,135	9,307,687	44,172,558
1927	12,870	58,857	9,487,390	44,728,524	9,499,960	44,797,381
1928	10,798	64,166	10,313,198	47,171,847	10,323,996	47,238,013
1929	11,409	70,694	9,628,711	43,130,696	9,640,120	43,200,790
1930	7,062	33,249	8,251,167	36,292,562	8,258,229	36,321,811
1931	3,336	14,703	6,868,772	29,601,134	6,862,108	29,705,897
1932	1,934	7,578	5,965,085	25,101,489	5,957,019	25,109,067
1933	1,665	6,490	5,521,052	22,145,931	5,522,717	22,152,421
1934	1,625	6,702	6,109,367	25,589,597	6,110,992	25,596,299

Table 32.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1934

District	Run-of-Mine		Lump		Egg		Nut		Pea		Slack	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
NOVA SCOTIA—												
Cape Breton.....	4.02	3.67	4.29	3.86			4.82	3.87	3.35	2.80	2.74	1.78
Cumberland.....	3.92	3.41	4.55	3.98			5.77	4.52			2.22	1.85
Inverness.....	4.30	3.37	5.34	4.28							2.10	1.81
Pictou.....	4.80	4.03	5.42	4.67	5.75	5.25	5.50	5.00			3.22	2.73
Average.....	4.17	3.60	4.75	4.12	5.75	5.25	5.23	4.32	3.35	2.80	2.54	2.00
NEW BRUNSWICK.....	3.17	2.87	4.10	3.70			3.86	3.53			2.71	2.30
MANITOBA.....			2.25	2.25							0.80	0.80
SASKATCHEWAN.....	1.61	1.51	1.69	1.47	1.50	1.33	1.30	1.16	1.06	1.01	0.96	0.78
ALBERTA—												
Bituminous—												
Cascade.....	5.00	3.90	5.50	4.75	4.50	4.50	4.25	4.25	3.75	3.00	3.50	2.50
Crowsnest.....	3.41	3.03	4.01	3.79			3.54	3.28			2.39	1.79
Mountain Park.....	3.50	3.30	4.17	3.88							2.68	2.32
Norlegg.....	3.40	2.25									0.80	0.70
Average bituminous.....	3.83	3.12	4.56	4.14	4.50	4.50	3.89	3.76	3.75	3.00	2.34	1.83
Sub-bituminous—												
Coalspur.....	2.95	2.83	3.94	3.50	4.00	3.51	2.51	1.96	1.83	1.62	1.33	1.05
Pekisko.....	2.83	2.50										
Pincher.....	3.25	3.25	3.50	3.50	3.75	2.00	2.50	2.50			0.88	0.88
Prairie Creek.....	3.15	2.75	4.50	4.25	4.25	4.25	2.50	1.90			1.15	1.15
Saunders.....	4.25	4.00	5.20	3.87	4.50	3.00	2.95	2.12	1.70	1.70	1.50	1.20
Average sub-bituminous.....	3.22	3.00	4.10	3.64	4.07	3.33	2.59	2.09	1.80	1.64	1.25	1.05
Lignite—												
Ardley.....	2.31	2.00	2.53	2.19	2.50	2.25	2.25	1.75			0.75	0.50
Big Valley.....	2.00	1.87	2.38	2.13			1.50	1.00				
Brooks.....	1.67	1.67	2.50	2.00					1.25	1.25	1.00	1.00
Camrose.....	1.88	1.76	2.54	2.12	1.87	1.50	1.83	1.45			0.68	0.38
Carbon.....	2.22	2.13	2.87	2.31	2.30	1.85	1.50	1.00	1.25	1.07	0.72	0.51
Castor.....	1.78	1.60	2.00	1.65			1.15	1.03				
Champion.....	2.67	1.83	2.94	2.63	2.38	2.10	1.25	1.12				
Drumheller.....	2.63	2.31	3.32	2.78	2.50	2.06	1.88	1.43	1.20	0.99	0.81	0.54
Edmonton.....	2.32	2.09	2.89	2.47	2.33	1.96	1.77	1.44	1.30	1.17	0.67	0.52
Gleichen.....	2.00	2.00	4.00	3.00								
Halcourt.....	3.75	3.55	4.06	4.00							1.00	0.94
Lethbridge.....	2.44	2.19	3.31	2.87	2.70	2.52	2.22	1.86	1.65	1.40	0.86	0.74
Magrath.....	2.33	2.33	3.75	3.75			2.50	2.50			1.00	1.00
Milk River.....	2.31	2.31	4.00	4.00								
Pakowski.....	2.60	2.40										
Pembina.....	2.25	1.94	2.83	2.13	2.75	1.95	2.25	1.25	1.75	1.25	0.80	0.62
Rodcliff.....	2.00	2.00	2.57	2.12	2.35	2.00	1.50	1.45			1.00	0.95
Rochester.....	2.45	2.42					1.00	1.00			0.75	0.75
Sheerness.....	1.73	1.48	1.82	1.75			1.00	1.00			0.72	0.57
Taber.....	2.62	2.50	2.50	2.38	2.50	2.00	1.75	1.67			0.90	0.60
Tofield.....	1.53	1.28	2.17	1.33			1.25	1.00			0.80	0.80
Wetaskiwin.....												
No area.....	2.50	2.50	3.00	3.00								
Average lignite.....	2.23	2.01	2.94	2.52	2.40	1.99	1.75	1.42	1.31	1.11	0.78	0.60
Average for Alberta.....	2.34	2.10	3.07	2.65	2.64	2.20	1.91	1.56	1.57	1.35	0.90	0.71
BRITISH COLUMBIA—												
Crow's Nest Pass.....	4.00	2.83	4.62	3.75					3.00	2.75	2.80	1.82
Inland.....	4.58	4.40	4.51	4.13	4.19	3.94	3.25	3.05	2.45	2.30	2.33	1.50
Island.....	4.24	4.02	4.99	4.56	5.18	4.39	4.26	4.06	3.30	2.97	2.84	2.46
Average.....	4.50	4.07	4.97	4.49	4.88	4.36	3.93	3.72	3.18	2.90	2.77	2.05
YUKON.....			10.00	10.00								
Canada.....	2.33	2.10	3.29	2.87	2.89	2.45	2.21	1.87	2.10	1.87	1.28	1.01

Table 33.—Yearly Average Retail Prices of Coal in Canada, by Principal Municipalities, 1932-1934

(Compiled in the Internal Trade Branch)

Province and municipality	Anthracite			Bituminous		
	1932	1933	1934	1932	1933	1934
	\$	\$	\$	\$	\$	\$
PRINCE EDWARD ISLAND—						
Charlottetown.....				9.72	9.43	9.07
NOVA SCOTIA—						
Amherst.....				8.61	8.00	8.10
Halifax.....				10.69	10.12	10.06
Truro.....				9.87	9.25	9.25
NEW BRUNSWICK—						
Bathurst.....				9.64	9.25	9.25
Fredericton.....				10.96	10.00	10.00
Moncton.....				10.81	10.25	10.00
St. John.....				11.95	11.25	11.25
QUEBEC—						
Hull.....	15.81	15.21	15.22			
Montreal.....	15.25	14.43	14.77			
Quebec.....	14.96	14.04	14.29			
St. Hyacinthe.....	14.32	13.70	13.59			
St. John.....	13.62	13.46	13.83			
Sherbrooke.....	15.41	15.18	15.12			
Sorel.....	14.32	14.04	13.90			
Three Rivers.....	14.85	14.61	14.58			
ONTARIO—						
Belleville.....	15.33	14.73	14.58			
Brantford.....	14.02	13.94	14.08			
Brockville.....	15.00	14.46	14.25			
Chatham.....	15.00	15.12	14.79			
Fort William.....	16.75	16.37	16.87			
Galt.....	14.87	14.40	14.33			
Guelph.....	14.71	14.19	14.21			
Hamilton.....	14.58	13.04	13.88			
Kingston.....	15.00	14.75	14.71			
Kitchener.....	14.50	14.37	14.15			
London.....	15.34	14.73	15.02			
Niagara Falls.....	12.94	12.83	12.96			
Orillia.....	15.58	14.08	14.79			
Ottawa.....	15.81	15.12	15.25			
Owen Sound.....	14.99	14.00	14.83			
Peterborough.....	14.96	14.77	14.92			
Port Arthur.....	17.03	16.37	15.98			
St. Catharines.....	15.04	14.46	14.18			
St. Thomas.....	15.08	14.19	14.15			
Sault Ste. Marie.....	15.37	14.96	14.56			
Stratford.....	14.92	14.25	13.96			
Toronto.....	14.62	14.04	13.85			
Windsor.....	15.25	14.50	14.58			
Woodstock.....	14.83	13.87	13.54			
MANITOBA—						
Brandon.....				10.64	10.44	10.32
Winnipeg.....				11.08	10.97	11.03
SASKATCHEWAN—						
Moose Jaw.....				9.10	8.81	8.32
Prince Albert.....				9.87	9.40	9.00
Regina.....				9.77	9.04	9.06
Saskatoon.....				9.29	8.69	8.09
ALBERTA—						
Calgary.....				8.46	7.25	7.00
Edmonton.....				9.25		
Edmonton.....				4.98	4.25	4.00
BRITISH COLUMBIA—						
Nelson.....				11.02	10.85	10.67
New Westminster.....				10.50	10.50	10.50
Prince Rupert.....				12.56	12.56	11.44
Trail.....				11.00	11.00	
Vancouver.....				10.50	10.50	10.50
Victoria.....				10.75	10.75	10.75

Table 34.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1933 and 1934

	1933			1934		
	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton	Average value per ton of coal raised	Average labour costs per ton raised	Fuel and electricity costs per ton
	\$	\$	\$	\$	\$	\$
NOVA SCOTIA—(Bituminous)						
Cape Breton.....	3-363	1-872	-430	3-314	1-910	-298
Cumberland.....	3-830	2-199	-584	3-806	2-138	-487
Inverness.....	3-804	3-219	-946	3-911	2-891	-643
Pictou.....	4-139	3-070	-485	4-050	2-699	-443
Total Nova Scotia.....	3-504	2-059	-407	3-447	2-024	-371
NEW BRUNSWICK—(Bituminous)	3-366	2-935	-072	3-261	2-367	-084
MANITOBA—(Lignite)	2-375	1-113	-343	2-177	1-304	-207
SASKATCHEWAN—(Lignite)	1-386	-730	-086	1-365	-704	-087
ALBERTA—						
Bituminous—						
Cascade.....	3-733	2-411	-451	3-722	2-225	-341
Crownest.....	3-047	2-012	-225	3-092	1-987	-226
Mountain Park.....	3-162	1-827	-142	3-195	1-832	-138
Nordegg.....	3-210	1-958	-107	3-280	1-946	-123
Total Bituminous.....	3-149	1-974	-204	3-193	1-954	-200
Sub-bituminous—						
Coalpur.....	2-025	1-425	-093	2-067	1-368	-093
Pekisko.....	2-342	1-862	.....	2-332	1-846	-030
Pincher.....	2-922	1-703	-048	2-331	1-766	-038
Prairie Creek.....	3-048	2-029	-119	3-092	1-952	-014
Saunders.....	3-672	2-911	-295	3-639	3-417	-025
Total Sub-bituminous.....	2-299	1-622	-111	2-338	1-599	-111
Lignite—						
Ardley.....	2-244	1-202	-037	2-107	1-091	-052
Big Valley.....	1-577	1-273	-073	1-616	1-229	-010
Brooks.....	2-584	1-869	-003	2-691	1-719	.....
Canrose.....	1-853	1-414	-028	1-752	1-203	-025
Carbon.....	2-082	1-390	-051	1-974	1-316	-056
Castor.....	1-646	1-236	-022	1-650	0-928	-028
Champion.....	2-601	1-496	-042	2-447	1-378	-032
Drumheller.....	2-454	1-504	-076	2-402	1-553	-076
Edmonton.....	1-817	1-319	-046	1-905	1-349	-062
Gleichen.....	3-159	1-529	-153	2-529	1-265	-014
Halcourt.....	3-812	2-144	.....	3-702	2-019	.....
Lethbridge.....	3-041	2-384	-147	3-000	2-236	-015
Magrath.....	2-494	1-457	-093	2-406	1-744	-074
Milk River.....	2-819	1-577	.....	2-765	1-445	.....
Pakan.....	.....	.....	.....	.....	.....	.....
Pakowki.....	2-180	1-436	.....	2-301	1-690	.....
Pembina.....	1-725	1-101	-062	1-741	1-088	-092
Redcliff.....	1-912	1-144	-034	1-864	0-948	-040
Rochester.....	1-789	1-404	-222	2-022	1-133	-039
Sexsmith.....	.....	.....	.....	.....	.....	.....
Sheerness.....	1-655	1-088	-075	1-159	0-614	-014
Stevenville.....	1-443	1-304	.....	.....	.....	.....
Taber.....	2-225	1-447	-034	2-159	1-521	-012
Tofield.....	1-579	1-058	-098	1-562	1-063	-098
Weta-kiwin.....	2-327	1-754	.....	2-517	1-724	.....
Whitecourt.....	2-579	2-368	.....	.....	.....	.....
Area not designated.....	2-255	1-950	.....	2-244	1-897	-064
Total Lignite.....	2-290	1-535	-076	2-253	1-507	-079
Total Alberta.....	2-608	1-706	-127	2-641	1-697	-013
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass.....	2-850	1-754	-276	2-728	1-583	-199
Inland.....	3-799	2-788	-307	3-829	3-059	-384
Island.....	4-575	2-803	-273	4-461	2-773	-264
Total British Columbia.....	3-839	2-419	-279	3-601	2-263	-248
YUKON—(Bituminous)	4-258	2-900	-090	3-475	2-351	-108
Canada	3-018	1-880	-270	3-045	1-858	-250

Table 35.—Employees, Salaries and Wages in the Coal Mines of Canada, by Provinces, 1934

Province	Average number of employees				Salaries and wages			
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
Nova Scotia.....	395	55	2,000	10,051	12,541	782,454	12,055,775	12,838,229
New Brunswick.....	28	6	202	833	1,069	66,201	678,844	745,045
Manitoba.....			4	8	12		5,364	5,364
Saskatchewan.....	44	6	263	619	932	93,787	546,177	639,964
Alberta.....	522	32	2,066	5,773	8,393	1,174,269	6,895,136	8,069,405
British Columbia.....	185	17	890	1,959	3,051	462,894	2,900,190	3,363,084
Yukon.....			1	2	3		1,500	1,500
Canada.....	1,174	116	5,426	19,245	25,961	2,579,605	23,682,984	25,662,591

Table 36.—Employment and Earnings in the Coal Mines of Canada, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	6,106	5,788	5,553	5,433	5,426
Underground.....	21,598	20,701	20,044	19,379	19,245
Total.....	27,704	26,489	25,597	24,812	24,671
Days' work done—					
Surface.....	1,529,602	1,292,264	1,213,937	1,170,095	1,289,517
Underground.....	4,547,082	3,599,277	3,330,325	3,341,250	3,980,559
Total.....	6,076,684	4,891,541	4,544,262	4,511,345	5,270,076
Average number of days worked per man per year—					
Surface.....	250	223	219	215	238
Underground.....	210	174	166	172	207
By all wage-earners.....	219	185	177	182	214
Total wages paid.....	\$ 33,257,178	\$ 25,841,888	\$ 22,263,441	\$ 19,901,321	\$ 23,082,986

Table 37.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1929-1934

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January.....1929	12,906	674		711	11,174	4,995		30,460
1930	13,328	617		723	11,060	5,141		30,869
1931	13,555	659		672	10,880	4,292		30,058
1932	13,348	680	19	872	9,603	3,085		28,507
1933	12,219	996	25	1,212	10,015	3,544		28,011
1934	12,087	1,159	29	1,273	9,534	3,205		27,287
February.....1929	12,665	698		691	11,098	4,953		30,105
1930	13,202	625		631	9,784	5,056		29,298
1931	13,149	672		613	9,235	4,150		27,819
1932	13,315	721	19	843	9,280	3,973		28,151
1933	12,139	999	22	1,159	9,371	3,428		27,118
1934	12,063	1,152	22	1,144	8,562	3,007		25,950
March.....1929	12,400	666		592	9,212	5,105		27,975
1930	13,183	601		521	8,616	4,197		27,118
1931	13,276	622		545	8,164	4,064		26,671
1932	13,206	654	9	715	7,957	3,867		26,410
1933	12,012	1,036	14	842	8,066	3,363		25,333
1934	11,058	1,110	13	909	8,035	2,762		23,887
April.....1929	12,578	560		413	7,610	4,946		26,107
1930	13,325	592		364	6,617	4,178		25,076
1931	13,462	597		381	6,758	3,977		25,175
1932	13,144	582		504	5,485	3,762		23,477
1933	12,064	979		462	6,238	2,848		22,591
1934	11,084	1,094		507	6,455	2,874		22,014
May.....1929	12,700	533		373	7,230	4,365		25,291
1930	13,366	555		338	6,299	4,149		24,797
1931	13,449	550		321	6,241	3,949		24,510
1932	13,003	689		359	5,400	3,762	3	23,216
1933	10,548	989		414	5,650	2,824	3	20,428
1934	12,002	977		408	5,755	2,834	3	21,979
June.....1929	12,824	533		368	7,707	4,285	3	25,720
1930	13,318	553		312	6,496	4,153	3	24,835
1931	13,607	536		295	5,551	3,895	3	23,587
1932	12,460	664		310	5,208	3,521	3	22,196
1933	11,875	1,078		390	5,448	2,800	4	21,595
1934	12,155	987		390	5,714	2,779	3	22,028
July.....1929	12,629	530		375	8,053	4,370	3	25,960
1930	13,225	566		326	6,800	4,164	3	25,087
1931	13,518	565		317	5,673	3,629	3	24,705
1932	12,241	688		428	5,149	3,564	3	22,073
1933	11,697	1,042		348	5,413	2,826	4	21,330
1934	12,064	934		399	5,626	2,703	3	21,729
August.....1929	12,559	544		391	8,689	4,445	3	26,631
1930	13,205	553		382	7,702	4,206	3	26,051
1931	13,258	569		345	6,321	3,575	4	24,072
1932	12,142	678		462	6,397	3,625	2	23,306
1933	11,821	1,011		505	6,516	2,805	4	22,662
1934	12,127	948		507	6,705	2,726		23,013
September.....1929	12,850	515		614	9,902	4,871	3	28,755
1930	13,431	563		545	9,323	4,033	3	27,898
1931	13,205	589		420	8,445	3,717		26,376
1932	12,295	719		770	8,388	3,562		25,734
1933	12,000	1,004	10	1,067	8,679	2,915		25,675
1934	12,271	924		1,094	8,672	2,677		25,638
October.....1929	12,936	538		732	10,989	5,041		30,236
1930	13,561	589		777	10,946	4,324		30,197
1931	13,421	594	33	772	9,158	3,819		27,797
1932	11,720	687	3	1,143	10,061	3,599		27,213
1933	12,070	1,030	12	1,521	9,981	3,037		27,651
1934	12,432	928	18	1,408	9,456	2,849		27,091
November.....1929	12,689	558		737	11,239	5,047		30,570
1930	13,630	575		740	11,339	4,366		30,650
1931	13,445	636	39	908	9,965	3,909		28,962
1932	12,263	815	7	1,302	10,586	3,496		28,469
1933	12,147	1,086	19	1,427	10,120	3,135		27,934
1934	12,680	1,048	28	1,319	9,846	2,885		27,806
December.....1929	13,082	583		734	11,507	5,067		30,973
1930	13,742	626		703	11,203	4,387		30,661
1931	13,306	711	41	864	9,893	4,007		28,822
1932	12,338	895	11	1,257	10,377	3,502		28,380
1933	11,745	1,050	19	1,352	10,153	3,077		27,396
1934	12,591	1,168	29	1,225	9,712	2,907		27,632
Average.....1929	12,760	578		561	9,534	4,791	3	28,227
1930	13,376	584		529	8,849	4,363	3	27,704
1931	13,388	608	38	538	8,024	3,890	3	26,489
1932	12,623	709	6	748	7,824	3,684	3	25,597
1933	11,861	1,025	10	891	7,971	3,050	4	24,812
1934	12,051	1,035	12	882	7,839	2,849	3	24,671

Table 38.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1934, with Comparative Totals for 1933

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	5,883	21,404	27,287	119,275	358,570	477,845
February.....	5,661	20,289	25,950	100,174	295,001	395,175
March.....	5,252	18,635	23,887	99,699	295,370	395,069
April.....	4,872	17,142	22,014	84,898	244,543	329,441
May.....	4,897	17,082	21,979	96,587	301,573	398,160
June.....	4,949	17,079	22,028	92,857	297,167	390,024
July.....	4,952	16,777	21,729	94,731	301,433	396,164
August.....	5,080	17,933	23,013	103,037	329,173	432,210
September.....	5,579	20,059	25,638	113,782	376,912	490,694
October.....	5,953	21,138	27,091	135,401	430,571	565,972
November.....	5,136	21,670	27,806	129,376	399,113	528,489
December.....	5,901	21,731	27,632	119,710	351,133	470,843
Total for 1934.....				1,289,517	3,980,559	5,270,076
Total for 1933.....				1,170,095	3,341,350	4,511,445

Table 39.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1934, with Comparative Totals for 1933

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
Administration.....	58	17		10	62	11		158		158
Officials, foremen and clerks.....	693	34	1	76	613	173	1	531	1,060	1,591
Screenmen and loaders.....	612	46	2	87	633	140	1	1,521		1,521
Stripping shovel operators.....				4				4		4
Hand cutters and helpers.....	838	542	7	412	1,814	741	1		4,355	4,355
Machine cutters and helpers.....	1,004	43		31	378	112			1,568	1,568
Machine loaders and helpers.....	1,943	114		28	1,626	177			3,888	3,888
Horse haulage employees.....	439	3		63	440	167		65	1,017	1,112
Mechanical haulage employees.....	1,448	4		26	366	237		122	1,959	2,081
Ventilation employees.....	229	1		4	67	28		1	328	329
Roadmakers.....	270	14		13	130	38		6	459	465
Timbermen.....	1,038	30	1	9	225	110		15	1,398	1,413
Pumpmen.....	87	6		5	48	17		9	154	163
Loading shovel.....				7				7		7
Cleaning shovel.....				2				2		2
Chute loaders.....	76				139	9			224	224
Engine men.....	241	17	1	12	154	65		407	83	490
Firemen.....	134	2		14	96	41		287		287
Machinists.....	183	1		5	63	39		279	12	291
Carpenters and masons.....	122	6		4	48	47		226	1	227
Other mechanics.....	302	2		7	95	164		274	296	570
Japanese.....						20		1	19	20
Chinese.....						99		97	2	99
Indians.....										
All other employees.....	2,334	153		63	842	414		1,414	2,392	3,806
Total for 1934.....	12,051	1,035	12	882	7,839	2,849	3	5,426	19,245	24,671
Total for 1933.....	11,861	1,025	10	801	7,071	3,050	4	5,433	19,379	24,812

Table 40.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1933 and 1934

	1933			1934		
	Number of man-days	Output	Average output per man-day	Number of man-days	Output	Average output per man-day
		Tons	Tons		Tons	Tons
NOVA SCOTIA—						
Cape Breton.....	1,329,995	3,444,118	2.596	1,941,540	4,926,085	2.537
Cumberland.....	314,761	604,893	1.922	376,606	738,017	1.959
Inverness.....	90,479	102,628	1.134	112,505	116,872	1.038
Pictou.....	280,826	405,951	1.446	377,274	560,651	1.486
Total.....	2,016,061	4,557,590	2.261	2,807,925	6,341,625	2.258
NEW BRUNSWICK.....	256,208	312,303	1.219	237,184	314,750	1.369
MANITOBA.....	2,056	3,880	1.887	3,132	4,113	1.313
SASKATCHEWAN.....	192,043	927,649	4.830	177,629	909,288	5.119
ALBERTA—						
Bituminous—						
Cascade.....	43,036	124,308	2.888	52,438	161,869	3.086
Crownsnest.....	281,261	876,402	3.116	323,420	991,288	3.065
Mountain Park.....	159,270	584,431	3.669	166,214	623,236	3.749
Nordegg.....	43,344	141,115	3.256	41,542	139,407	3.355
Total Bituminous.....	526,911	1,726,256	3.276	583,614	1,915,800	3.283
Sub-Bituminous—						
Coalspur.....	101,022	427,486	4.232	92,367	410,107	4.439
Pekisko.....	895	1,643	1.836	1,460	2,871	1.966
Pincher.....	1,353	1,978	1.462	1,234	1,817	1.472
Prairie Creek.....	29,661	84,676	2.855	30,108	88,229	2.930
Saunders.....	16,695	38,335	2.296	15,757	34,484	2.188
Total Sub-Bituminous.....	149,626	554,118	3.703	140,926	537,508	3.814
Lignite—						
Ardley.....	8,112	20,951	2.583	8,016	21,568	2.690
Big Valley.....	2,351	4,407	1.875	2,179	3,125	1.434
Brooks.....	2,674	6,870	2.569	2,771	7,610	2.746
Camrose.....	13,494	37,394	2.771	13,426	38,558	2.871
Carbon.....	34,289	100,525	2.932	26,114	88,900	3.369
Castor.....	14,068	34,293	2.438	13,392	33,065	2.469
Champion.....	13,918	20,497	1.473	11,778	19,421	1.648
Drumheller.....	288,191	1,112,277	3.850	277,460	1,033,049	3.725
Edmonton.....	151,767	478,225	3.151	145,221	451,050	3.112
Gleichen.....	2,762	4,662	1.688	3,771	6,700	1.776
Halcourt.....	2,695	2,894	1.074	3,111	3,029	0.973
Lethbridge.....	141,118	337,008	2.388	123,917	313,048	2.526
Magrath.....	1,229	2,006	1.632	1,286	2,039	1.585
Milk River.....	2,651	5,202	1.962	2,468	4,937	2.000
Pakan.....	.....	.....	.....	.....	.....	.....
Pankowki.....	1,831	2,879	1.572	1,678	2,187	1.303
Pembina.....	21,550	101,726	4.726	14,382	70,912	4.930
Redcliff.....	9,935	32,299	3.251	11,758	45,939	3.907
Rochester.....	1,018	1,214	1.193	615	1,033	2.005
Sassmith.....	.....	.....	.....	.....	.....	.....
Sheerness.....	10,795	28,353	2.626	14,286	69,492	4.864
Stovenville.....	115	115	1.000	.....	.....	.....
Taber.....	8,074	16,049	1.988	7,610	16,597	2.178
Tofield.....	18,770	88,213	4.700	14,202	66,191	4.660
Wetaskiwin.....	94	171	1.819	42	58	1.380
Whitecourt.....	39	38	0.974	.....	.....	.....
Area not designated.....	188	141	0.750	1,160	1,396	1.202
Total Lignite.....	751,728	2,438,414	3.244	700,552	2,300,502	3.283
Total Alberta.....	1,428,265	4,718,788	3.304	1,425,092	4,753,810	3.336
BRITISH COLUMBIA—						
Crow's Nest Pass.....	129,854	502,334	3.868	170,559	676,858	3.968
Inland.....	107,546	194,041	1.804	95,225	166,500	1.748
Island.....	379,110	685,897	1.808	353,117	642,611	1.819
Total.....	616,510	1,382,272	2.242	618,901	1,485,969	2.400
YUKON.....	202	862	4.267	213	638	2.995
Canada.....	4,511,345	11,943,344	2.639	5,270,976	13,810,133	2.629

Table 41.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1934, with Comparative Totals for 1933

	Nova Scotia		New Brunswick		Saskatchewan		Alberta		British Columbia		Canada	
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
UNDERGROUND												
Falls of roof or face.....	15	435	1	98	1	62	6	46	4	152	27	793
Mine cars and locomotives...	10	278		46		33	3	31	2	52	15	440
Gas and dust explosions.....	2	1		1			3	2			5	4
Explosives.....		1		4				2		2		9
Electricity.....								2		2		4
Timbering.....								6				6
Mining and loading coal.....						75		15				90
Coal cutting machines.....								7				7
Miscellaneous.....	4	570		97		53		12		212	4	944
Total underground....	31	1,285	1	246	1	223	12	123	6	420	51	2,297
SURFACE												
Haulage and cars.....		33	1	5		28		3		14	1	83
Machinery.....	1	11		11		6		5		5	1	38
Miscellaneous.....		123		19		37	3	7		57	3	243
Total surface....	1	167	1	35		71	3	15		76	5	364
Total for 1934..	32	1,452	2	281	1	294	15	138	6	496	56	2,661
Total for 1933..	12	733		208	4	253	6	169	3	489	25	1,852

Table 42.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1934

Province	Coal			Gasoline kerosene and fuel oil	Electricity purchased	Total value	Electricity generated for own use
	Bituminous	Sub-bituminous	Lignite				
	Tons	Tons	Tons	Imp. Gal.	K.W.H.		K.W.H.
NOVA SCOTIA—							
Quantity.....	396,161				76,108,417		13,633,387
Value.....\$	1,363,289				988,548	2,351,837	
NEW BRUNSWICK—							
Quantity.....	2,595				534,081		
Value.....\$	9,347				17,183	26,536	
MANITOBA—							
Quantity.....			55				
Value.....\$			85			86	
SASKATCHEWAN—							
Quantity.....			31,369	21,871	1,755,213		462,400
Value.....\$			32,472	4,550	42,185	79,207	
ALBERTA—							
Quantity.....	83,455	33,119	65,686	35,848	19,679,581		9,196,146
Value.....\$	240,794	59,526	58,930	9,377	254,138	622,765	
BRITISH COLUMBIA—							
Quantity.....	110,319			810	7,452,780		18,023,798
Value.....\$	290,115			243	77,936	368,294	
YUKON—							
Quantity.....	23						
Value.....\$	69					69	
Canada—							
Quantity.....	592,553	33,119	97,110	58,529	105,530,072		41,315,731
Value.....\$	1,963,614	59,526	91,497	14,170	1,370,990	3,448,787	

Table 43.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1934

Province	Steam engines and turbines	Internal combustion engines	Hydraulic turbines or water wheels	Total primary power	Electric motors run by purchased power	Total power employed	Electric motors run by primary power in same plant	Total electric motors	Boilers
Nova Scotia.....No. H.P.	69 56,366			69 56,366	585 47,233	654 103,599	67 5,190	662 58,483	119 34,790
New Brunswick.....No. H.P.	10 340			10 340	74 890	84 1,230		74 890	13 520
Manitoba.....No. H.P.	1 18			1 18		1 18			
Saskatchewan.....No. H.P.	47 2,955	25 504		72 3,459	132 3,138	204 6,597	42 538	174 8,676	17 2,112
Alberta.....No. H.P.	178 29,524	76 824		254 30,348	802 26,063	1,056 56,411	334 9,662	1,136 55,785	162 21,824
British Columbia.....No. H.P.	94 19,157	4 98	2 12,000	100 31,255	79 2,456	179 33,711	154 14,087	233 16,643	103 16,302
Yukon.....No. H.P.									1 25
Total for 1934.....No. H.P.	399 108,360	105 1,426	2 12,000	506 121,786	1,672 79,789	2,178 201,566	597 29,477	2,809 109,267	415 75,573

Table 44.—Capital Employed in the Coal Mines of Canada, by Provinces, 1933 and 1934

Province	1933				1934			
	Capital employed as represented by				Capital employed as represented by			
	Cost of lands, buildings, machinery and tools	Cost of supplies and stocks on hand	Cash, trading and operating accounts and bills receivable	Total	Cost of lands, buildings, machinery and tools	Cost of supplies and stocks on hand	Cash, trading and operating accounts and bills receivable	Total
	\$	\$	\$	\$	\$	\$	\$	\$
Nova Scotia.....	46,218,286	1,883,877	4,412,256	52,514,419	40,360,939	3,008,993	4,293,277	47,663,209
New Brunswick...	1,541,080	25,335	214,956	1,781,371	1,486,916	28,063	341,413	1,856,392
Manitoba.....	2,010		1,183	3,193	2,304		600	2,904
Saskatchewan.....	4,882,884	75,362	252,917	5,211,163	4,818,248	123,981	240,473	5,182,702
Alberta.....	36,577,858	1,207,324	6,070,698	43,855,880	33,845,242	1,230,576	6,356,058	41,431,876
British Columbia..	19,348,706	506,109	2,316,949	22,171,764	18,994,859	529,293	2,409,651	21,933,803
Yukon.....	203,000			203,000	203,000	520		203,520
Canada.....	108,773,824	3,699,007	13,248,959	125,740,720	99,711,508	4,921,426	13,641,472	118,274,406

Purchases of Mining Equipment and General Supplies, by the Coal Mining Industry in Canada

In an endeavour to obtain some definite information regarding the purchasing power of the coal mining industry in Canada a special survey was made in 1934. Schedules were sent out to the principal coal operators and, although a 100 per cent return was not received, sufficient data were obtained to give a close approximation of the value of the purchases made during the year.

One hundred and sixteen reports were received out of 150 schedules sent out. The returns received were from firms that produced 11,474,482 tons of coal in 1934. This represented 83·1 per cent of the total Canadian output during the year.

Table 45.—Purchases of Mining Equipment and General Supplies, by the Coal Mining Industry in Canada, 1934

	Nova Scotia	New Brunswick	Saskat- chewan	Alberta	British Columbia	Canada
	\$	\$	\$	\$	\$	\$
Belting of all kinds, including elevator, conveyor, transmission, etc., and fasteners for same.....	29,909	707	701	6,484	3,434	41,235
Bolts, nuts, rivets, studs, washers, coach, set and machine screws, etc.....	63,338	1,224	1,360	9,536	5,928	81,386
Castings:—unfinished iron and steel.....	41,414	61	857	6,483	9,180	57,995
Unfinished brass castings, brass and copper rods and sheets, babbitt and non-ferrous metals of all kinds.....	19,967	131	163	1,746	.....	22,007
Railway locomotives and rolling stock.....	292,399	.....	2,296	21,030	.....	315,725
Underground mine cars.....	111,992	5,936	3,533	40,282	189	161,932
Truck materials:—rails and fittings, switches, spikes, bolts, etc.....	138,032	2,959	6,191	22,192	5,376	174,759
Explosives:—powder, fuse and detonators.....	202,286	12,633	27,633	111,276	57,219	411,047
Rock drills and parts.....	16,134	3	.....	7,036	3,372	27,445
Drill and tool steels.....	6,237	25	192	1,926	782	9,162
Pipe and fittings, plumbing supplies and valves.....	219,293	999	1,328	21,361	9,696	252,677
Iron and steel bars, sheets, plates, and all structural steel.....	142,636	393	2,953	47,457	15,822	209,261
Wire rope and fittings.....	178,117	2,382	3,232	23,017	13,566	220,314
Diamonds and bort for drilling.....	.....	.....	.....	234	.....	234
Safety equipment and apparel:—safety hats, boots, gloves, goggles, respirators, etc.; miners' lamps and accessories and lamp rentals.....	69,923	2,331	1,254	21,234	3,361	98,103
Fuel oil, kerosene and gasoline.....	13,807	25	10,521	17,699	7,664	49,716
Lubricants:—oil, grease and waste.....	84,688	2,257	4,941	51,387	12,971	156,244
Lumber and timber of all kinds.....	644,668	39,882	14,352	307,302	188,556	1,194,661
Building materials:—cement, brick, tile, roofing and building paper, insulating material, building hardware, glass, putty, paints, varnishes and brushes, wood screws, nails, screw hooks and eyes, sand, lime, and miscellaneous.....	92,598	3,859	3,066	42,425	2,658	144,604
Electrical equipment and supplies:—motors, batteries, wire and cable, etc.....	190,616	5,268	5,034	43,167	2,526	246,611
Crushing, grinding and screening machinery, and parts; ball and tube mill liners, roll shells, etc.....	18,935	605	490	4,790	.....	24,820
Balls and rods for grinding.....	1,533	.....	.....	.....	.....	1,533
Machinery, mill, n.o.p. and parts.....	.....	375	.....	3,230	.....	3,605
Machinery, mine, n.o.p. and parts:—steel shop equipment, hoists, mine pumps, etc.....	68,106	10,624	4,119	204,336	32,654	319,839
Coal cutting machinery and parts.....	159,084	16,754	1,699	78,318	13,243	268,098
Machinery, miscellaneous, and parts; machine, blacksmith, carpenter shop and general surface equipment.....	51,193	10,199	5,710	110,510	169	177,651
Motor cars, trucks and accessories.....	7,990	275	10,559	13,314	12	32,150
Tools:—brooms, picks, shovels, hammers, handles, saws, wrenches, machinists' tools, etc.....	20,530	1,782	2,573	13,529	2,203	40,617
Welding and cutting equipment and accessories:—oxygen, acetylene welding, rods, tips, etc.....	21,561	841	1,910	5,859	15	30,186
Rubber goods, suits, boots, hose and accessories, pump valves, launder linings, etc. (not including belts).....	16,131	723	540	4,461	95	21,950

Table 45.—Purchases of Mining Equipment and General Supplies by the Coal Mining Industry in Canada, 1934—*Concluded.*

	Nova Scotia	New Brunswick	Saskat- chewan	Alberta	British Columbia	Canada
	\$	\$	\$	\$	\$	\$
Acids and chemicals, n.o.p.	643	165	.....	143	8,524	9,475
Refractories—brick, cement, fireclay, etc. . .	4,222	.....	42	4,796	187	9,247
Horses and horse-keep (includes the purchase of horses, oats, hay, mixed feeds, harness, etc.)	88,150	2	12,011	70,548	11,473	182,184
Ground limestone for dusting	39,203	.....	365	2,386	1,703	43,657
Hospital equipment and medical supplies . . .	3,658	94	274	1,336	4	5,366
Stationery, office equipment and supplies, survey and drafting equipment and sup- plies	32,996	2,546	2,135	17,683	137	55,497
Miscellaneous materials, n.o.p. Includes all materials not otherwise provided for in any other item	212,949	688	4,818	84,602	90,763	402,820
Power—electric	981,859	14,070	32,439	182,341	33,144	1,243,953
Freight— (a) incoming—only amounts paid direct to Railway Company	181,621	11,107	8,135	85,351	1,734	287,948
(b) outgoing	118,886	28,017	5,011	268,565	1,545	422,024
Express— (a) incoming—only amounts paid direct to Express Company	3,502	187	86	2,032	71	6,778
(b) outgoing	266	15	2	643	.....	926
Insurance (premium for one year)— (a) Fire	33,352	2,992	8,409	76,344	40,785	161,882
(b) Sickness and accident .....	.....	.....	57	4,654	.....	4,711
(c) Group	1,081	155	274	12,664	.....	14,174
(d) Workmen's compensation	452,927	28,403	17,414	249,751	117,083	865,578
(e) Other	35,340	.....	3,649	9,614	.....	48,603
Total	5,113,681	211,684	212,328	2,316,874	705,844	8,560,411
Reporting firms accounted for the indicated percentage of the provincial output	96.9%	68.1%	72.6%	72.2%	73.6%	83.1%

CHAPTER TWO

PRINCE EDWARD ISLAND

Prince Edward Island's coal supply in 1934 was obtained from the following sources; Nova Scotia, New Brunswick, Great Britain, the United States and Newfoundland. The total coal made available for consumption during the year amounted to 88,513 tons, consisting of 73,161 tons from Nova Scotia, 2,527 tons from New Brunswick, 11,549 tons from Great Britain, 1,252 tons from the United States and 24 tons from Newfoundland. During the preceding year, Nova Scotia supplied 61,064 tons, New Brunswick, 2,662 tons, Great Britain, 4,540 tons, and the United States, 811 tons.

Table 46.—Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933					1934					
		Anthracite			Bituminous, all grades	Total coal	Anthracite				Bituminous, all grades	Total coal
		Grate, egg, stove, nut and pea	Screenings or dust and N.O.P.	Total			Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total		
Charlottetown.	U.S.....	678		678	133	811			1,153	1,153	99	1,252
	G.B.....								7,240	7,240		7,240
	Newfoundland.....										24	24
Summerside.....	U.S.....											
	G.B.....	2,863		2,863	1,677	4,540			2,317	2,317	1,992	4,309
Total.....	U.S.....	678		678	133	811			1,153	1,153	99	1,252
	G.B.....	2,863		2,863	1,677	4,540			9,557	9,557	1,992	11,549
	Newfoundland.....										24	24
Grand total.....		3,541		3,541	1,820	5,351			10,710	10,710	2,115	12,825

* The total tonnage received at Prince Edward Island ports of entry. See page 4, section 2, for explanation.

Table 47.—Summary Statistics for 1934—Interprovincial Shipments, Imports and Coal made Available for Consumption in Prince Edward Island, by Months and by Kinds

(Short tons)

Month	Canadian coal received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain	Imported from Newfoundland	Coal available for consumption
January—						
Anthracite.....						
Bituminous.....	9,004					9,004
Total.....	9,004					9,004
February—						
Anthracite.....						
Bituminous.....	5,876					5,876
Total.....	5,876					5,876
March—						
Anthracite.....						
Bituminous.....	6,039					6,039
Total.....	6,039					6,039
April—						
Anthracite.....						
Bituminous.....	3,161					3,161
Total.....	3,161					3,161
May—						
Anthracite.....						
Bituminous.....	3,012					3,012
Total.....	3,012					3,012
June—						
Anthracite.....				2,203		2,203
Bituminous.....	3,179		31			3,210
Total.....	3,179		31	2,203		5,413
July—						
Anthracite.....			810			810
Bituminous.....	2,414			1,992		4,406
Total.....	2,414		810	1,992		5,216
August—						
Anthracite.....				2,236		2,236
Bituminous.....	4,965					4,965
Total.....	4,965			2,236		7,201
September—						
Anthracite.....				2,236		2,236
Bituminous.....	8,393					8,393
Total.....	8,393			2,236		10,629
October—						
Anthracite.....				2,882		2,882
Bituminous.....	11,977		68			12,045
Total.....	11,977		68	2,882		14,927
November—						
Anthracite.....			343			343
Bituminous.....	10,650				24	10,674
Total.....	10,650		343		24	11,017
December—						
Anthracite.....						
Bituminous.....	7,018					7,018
Total.....	7,018					7,018
Total—						
Anthracite.....			1,153	9,557		10,710
Bituminous.....	75,688		99	1,992	24	77,863
Total.....	75,688		1,252	11,549	24	88,513

CHAPTER THREE

NOVA SCOTIA

Nova Scotia mines produced 6,341,625 tons of coal in 1934 as compared with 4,557,590 tons in 1933 and 4,084,581 tons in 1932. Production from Cape Breton mines totalled 4,926,085 tons or 43 per cent above the 1933 output. Cumberland mines produced 738,017 tons or 22 per cent in excess of the preceding year's total. The Inverness output advanced slightly to 116,872 tons while the Pictou operators reported an increase of 38.1 per cent to 560,651 tons.

Shipments from the mines rose 40.7 per cent to 5,737,906 tons from the 1933 total of 4,077,369 tons. Quebec was the principal market for Nova Scotia coal as this province received 2,873,508 tons during the year or 50.1 per cent of the total tonnage shipped. Shipments of coal from the mines for consumption within the province advanced 32.7 per cent to 1,168,711 tons and accounted for 20.4 per cent of the year's shipments. New Brunswick received 365,153 tons, Newfoundland, 119,933 tons; Prince Edward Island, 73,161 tons, the United States, 33,729 tons, and other countries, 2,222 tons. Coal supplied for bunker purposes totalled 236,626 tons. Shipments direct from the mines to Ontario points amounted to 21,598 tons. In addition to this tonnage a considerable quantity of Nova Scotia coal was shipped from stock at Montreal to Ontario consuming centres. The 1934 shipments were as follows: Ottawa area, (including Hull, Quebec district), 319,352 tons; Kingston area, 67,522 tons; Toronto area, 266,593 tons; Windsor area, 6,918 tons, and the Northern Ontario area, 164,435 tons.

Coal mines active in Nova Scotia in 1934 produced approximately 78 per cent of their possible output; in 1933 these mines produced only 57 per cent of their possible output. Lack of orders accounted for 19.8 per cent of output loss. Losses occasioned by causes other than strikes were responsible for a production loss of 1,841,001 tons. Strikes during the year accounted for a loss of 66,130 man-days work, or an apparent loss in output of 149,353 tons. Nova Scotia mines, therefore, suffered a loss of 1,990,354 tons from all causes.

Coal made available for consumption in Nova Scotia during 1934 totalled 2,957,434 tons or 36 per cent above the tonnage made available in 1933. The 1934 supply was drawn from the following sources: Nova Scotia, 96 per cent; Great Britain, 3.6 per cent, and the United States and New Brunswick, the remainder.

Employment was furnished by Nova Scotia coal mines, on the average, to 12,051 wage-earners who received 2,807,925 man-days work or 233 days per man. In the preceding year, 2,016,061 man-days work were furnished or 170 days per man.

Table 48.—Output of Coal from Nova Scotia Mines, 1785-1934

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1785-1866.....	2,649,416	4,139,714	1890.....	2,181,033	3,407,864	1913.....	7,980,073	17,812,663
1867.....	596,332	931,769	1891.....	2,267,919	3,543,623	1914.....	7,370,924	16,452,855
1868.....	574,101	897,041	1892.....	2,159,389	3,374,046	1915.....	7,463,370	16,659,308
1869.....	647,727	1,012,074	1893.....	2,444,924	3,820,194	1916.....	6,912,140	18,514,062
1870.....	719,211	1,123,767	1894.....	2,527,982	3,949,970	1917.....	6,327,091	19,410,737
1871.....	754,827	1,179,417	1895.....	2,225,145	3,476,790	1918.....	5,818,502	21,093,470
1872.....	1,003,806	1,568,446	1896.....	2,508,579	3,919,655	1919.....	5,790,196	22,350,157
1873.....	1,108,245	1,731,632	1897.....	2,493,554	3,890,179	1920.....	6,437,156	32,314,523
1874.....	972,954	1,520,240	1898.....	2,563,180	4,004,976	1921.....	5,734,928	27,782,050
1875.....	930,613	1,454,084	1899.....	3,148,822	5,622,898	1922.....	5,599,072	24,629,921
1876.....	837,755	1,308,991	1900.....	3,023,536	8,088,250	1923.....	6,597,838	28,170,458
1877.....	880,215	1,375,339	1901.....	4,158,068	6,496,982	1924.....	5,537,441	22,280,554
1878.....	875,994	1,308,741	1902.....	5,161,316	9,216,636	1925.....	3,842,978	15,826,680
1879.....	866,220	1,353,469	1903.....	5,653,334	10,095,246	1926.....	6,747,477	20,845,236
1880.....	1,177,669	1,840,108	1904.....	5,596,241	9,993,288	1927.....	7,071,876	27,194,671
1881.....	1,280,060	2,000,079	1905.....	5,646,583	10,083,184	1928.....	6,743,504	27,427,556
1882.....	1,524,947	2,382,730	1906.....	6,220,505	11,108,044	1929.....	7,056,133	28,071,950
1883.....	1,578,609	2,466,576	1907.....	6,354,133	12,764,999	1930.....	6,252,552	24,528,860
1884.....	1,543,829	2,412,233	1908.....	6,652,539	13,364,476	1931.....	4,955,563	19,016,720
1885.....	1,547,990	2,418,735	1909.....	5,652,090	11,554,643	1932.....	4,081,581	15,167,793
1886.....	1,608,018	2,653,152	1911.....	6,431,142	12,919,705	1933.....	4,557,590	15,969,793
1887.....	1,858,596	2,904,057	1911.....	7,004,420	14,071,379	1934.....	6,341,625	21,860,093
1888.....	1,942,231	3,034,735	1912.....	7,783,888	17,374,750			
1889.....	1,918,827	2,998,167						
						Total.....	265,159,182	721,405,874

* For the years 1919-1934 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption, and coal used by the operators.

Table 49.—Output of Coal from Nova Scotia Mines, by Months, 1930-1934

(Short tons)

Month	1930	1931	1932	1933	1934
January	542,253	439,405	370,652	280,346	433,414
February	475,975	404,036	356,344	276,424	405,798
March	495,508	431,382	374,597	250,137	436,063
April	437,584	444,559	291,970	268,447	401,655
May	631,517	469,827	339,403	334,007	599,830
June	546,960	431,892	362,572	345,761	596,494
July	563,177	396,284	309,143	343,029	581,349
August	537,856	335,857	312,153	429,711	606,242
September	476,172	396,510	307,992	499,860	601,167
October	592,851	460,782	346,537	645,743	663,140
November	493,157	366,504	379,715	514,464	597,990
December	459,542	378,435	333,503	360,671	418,483
Total	6,232,552	4,955,563	4,084,581	4,557,590	6,341,625

Table 50.—Output of Coal by Districts in Nova Scotia, 1930-1934

(Short tons)

District	1930	1931	1932	1933	1934
Cape Breton	4,594,446	3,449,472	2,831,753	3,444,118	4,926,085
Cumberland	802,266	694,097	634,516	604,893	738,017
Inverness	155,088	140,505	120,909	102,628	116,872
Pictou	700,752	671,489	497,403	405,951	560,651
Total	6,232,552	4,955,563	4,084,581	4,557,590	6,341,625

Table 51.—Output of Coal by Principal Collieries in Nova Scotia, 1932-1934
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1932	1933	1934
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd.	Little Bras d'Or Bridge	69,547	73,152	109,370
Dominion Coal Co., Ltd.	Sydney	2,271,006	2,910,107	4,090,268
Indian Cove Coal Co., Ltd.	Sydney Mines	29,598	34,092	44,134
Nova Scotia Steel and Coal Co., Ltd.	Sydney	441,023	416,336	681,694
North Sydney Collieries Ltd.	North Sydney	18,917	10,401	
All other operators		1,662	27	619
Total		2,831,753	3,444,118	4,926,085
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co., Ltd.	Springhill	452,729	442,364	550,974
Fundy Coal Co., Ltd.	Amherst	18,142	14,398	5,460
Maritime Coal, Railway & Power Co., Ltd.	Amherst	66,068	64,585	72,881
Shore Coal Co. Ltd.	Amherst			4,528
Standard Coal Co., Ltd.	River Hebert	12,021	15,875	21,023
Victoria Coal Co., Ltd.	New Glasgow	81,231	63,549	79,133
All other operators		4,325	4,122	4,018
Total		634,516	604,893	738,017
INVERNESS DISTRICT—				
Inverness Coal Mine, (formerly Inverness Co-Operative Co., Ltd.)	Inverness	119,974	101,769	112,924
Symons, J. F.	Port Hood			2,721
All other operators		935	859	1,227
Total		120,909	102,628	116,872
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton	351,824	233,444	322,387
Greenwood Coal Co., Ltd.	New Glasgow	35,776	53,835	50,420
Intercolonial Coal Co., Ltd.	Westville	109,803	118,672	187,844
Total		497,403	405,951	560,651
Total Nova Scotia		4,084,581	4,557,590	6,341,625

Table 52.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1933 and 1934

District		Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Cape Breton.....	1933	57	43	0.5	40.8		0.3	1.4
	1934	77	23	0.9	20.8		1.0	0.3
Cumberland.....	1933	60	40	1.9	31.3		1.4	5.4
	1934	76	24	2.4	16.3		1.7	3.6
Inverness.....	1933	76	24		22.1		0.2	1.7
	1934	85	15		8.3		2.9	3.8
Pictou.....	1933	51	49	1.3	42.4		0.1	5.2
	1934	79	21	2.2	18.8			
Nova Scotia.....	1933	57	43	0.7	39.5	0.0	0.4	2.4
	1934	78	22	1.1	19.8	0.0	1.0	0.1

Table 53.—Disposition of Coal from Nova Scotia Mines, by Grades, 1934

(Short tons)

	Run of Mine	Lump	Egg	Nut	Pea	Slack	Total Coal	
							Quantity	Value
Supplied to employees for domestic consumption.....	95,197	14,617				165	109,979	\$ 322,514
Used for power purposes, colliery boilers, company's railroads, etc.....	75,358	3	50			320,750	396,161	1,363,299
Lost in washing.....							24,004	
Supplied to companies for the manufacture of coke or gas.....	25,682			15,004		211,810	232,496	854,640
Supplied to retail coal dealers.....	65,604	524,301	1,684	27,710	197	613,297	1,232,793	4,374,442
Supplied to railroad companies for locomotives.....	473,159	1,045,585	28	728		84,102	1,603,602	5,799,583
Supplied to shipping companies for ships' bunkers.....	234,910	1,388				330	236,626	804,528
Supplied to industrial users.....	168,320	493,657	37	101,834	22	1,371,791	2,135,661	7,187,146
Supplied direct to domestic consumers.....	44,736	159,910	1,238	7,380	34	63,430	276,728	991,882
Added to bank (Difference between "Put on bank" and "Lifted from bank").....	6,924	37,747				4,424	49,095	162,069
Put on waste heap.....							24,480	
Total output.....	1,189,890	2,277,206	3,037	152,656	253	2,670,099	6,341,625	21,860,093

Table 54.—Disposition of Coal from Nova Scotia Mines, 1933 and 1934

	1933		1934	
	Total		Total	
	Short tons	Value	Short tons	Value
Supplied to employees for domestic consumption.....	88,608	\$ 269,721	109,979	\$ 322,514
Coal shipped as per Table 56.....	4,077,369	14,477,991	5,737,906	20,012,221
Used under colliery boilers.....	230,911	786,231	266,557	883,712
Used by companies' railroads.....	35,437	145,894	44,856	188,369
Used in shops, etc.....	87,633	312,378	84,748	291,208
Used by harbour tugs and dredges.....				
Put on bank.....	402,674	1,416,868	747,118	2,577,486
Put on waste heap.....	41,438		48,484	
Total disposition.....	4,964,070	17,409,083	7,039,648	24,275,510
Lifted from bank.....	406,480	1,439,290	698,023	2,415,417
Lifted from waste heap.....				
Total output.....	4,557,590	15,969,793	6,341,625	21,860,093

Table 55.—Tonnages Put on Bank and Lifted from Bank in Nova Scotia, 1930-1934

(Short tons)

Month	1930		1931		1932		1933		1934	
	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank	Put on bank	Lifted from bank
On bank at first of year.....	159,897	.....	172,771	.....	147,200	.....	125,655	.....	121,849	.....
January.....	144,409	7,700	107,583	9,874	117,340	5,233	100,993	8,034	56,785	4,947
February.....	134,530	9,310	92,027	5,677	103,147	5,536	101,303	6,226	94,681	4,531
March.....	174,050	7,398	153,490	2,867	112,149	3,787	63,872	7,580	115,794	6,642
April.....	69,586	6,166	117,853	5,145	68,237	6,080	31,172	4,700	146,705	42,812
May.....	11,538	50,985	695	71,757	3,701	94,012	13,347	10,019	17,972	76,194
June.....	13,639	103,083	2,313	94,082	5,400	56,250	6,009	68,652	14,298	135,196
July.....	8,474	75,642	7,794	116,586	13,715	83,897	10,951	69,309	33,103	131,145
August.....	4,361	137,599	3,090	109,267	3,614	77,703	7,259	61,247	15,056	127,448
September.....	4,901	120,022	7,961	83,982	3,725	90,958	10,119	58,399	19,267	68,043
October.....	5,088	101,525	7,111	88,785	4,088	78,446	12,779	51,127	25,805	25,163
November.....	5,016	44,082	4,399	41,001	9,375	23,136	8,974	50,891	59,897	26,222
December.....	109,650	8,856	104,627	6,391	71,015	10,213	35,896	10,296	147,756	49,080
Total.....	685,242	672,368	609,843	635,414	515,506	537,851	402,674	466,459	747,118	698,923

Table 56.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations 1933 and 1934

(Short tons)

Destination	1933				1934			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
Coal supplied for bunkers.....	182,043	910	.....	162,953	234,910	1,386	330	236,626
Coal supplied to railroads.....	244,391	261,936	27,949	534,276	437,689	367,248	38,328	843,265
Nova Scotia by land.....	100,929	250,216	415,112	766,257	115,940	341,645	569,327	1,026,912
Nova Scotia by sea.....	9,049	44,010	61,354	114,413	8,602	77,106	56,091	141,799
New Brunswick.....	68,467	91,135	160,789	320,391	86,995	99,237	178,921	365,153
Newfoundland.....	9,940	61,045	1,359	72,344	4,116	115,697	120	119,933
Prince Edward Island.....	4,313	49,330	8,421	61,064	5,748	57,143	10,270	73,161
Quebec(a).....	57,905	1,070,181	870,006	1,998,092	113,674	1,308,328	1,451,506	2,873,508
Ontario.....	.....	5,746	1,739	7,485	4,737	8,833	8,028	21,598
United States.....	.....	501	38,598	39,099	.....	1,890	31,839	33,729
Other countries.....	.....	995	.....	995	.....	2,222	.....	2,222
Total.....	657,637	1,835,005	1,585,327	4,077,369	1,012,411	2,350,735	2,344,760	5,737,906

(a) Includes coal sold to railroads in Quebec.

Table 57.—Exports of Canadian Coal through Nova Scotia Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Halifax.....	.....	1	50	.....	.....
Liverpool.....	.....	9	.....	.....	.....
Lunenburg.....	.....	.....	.....	.....	.....
North Sydney.....	104,473	73,644	57,898	41,158	62,180
Pictou.....	4,188	.....	.....	.....	.....
Sydney.....	241,483	78,218	50,130	74,940	107,792
Total.....	350,154	151,912	108,028	116,098	169,972

Table 58.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933					1934					
		Anthracite			Bituminous, all grades	Total coal	Anthracite				Bituminous, all grades	Total coal
		Grate, egg, stove, nut and pea	Screenings or dust and N.O.P.	Total			Grate, egg, stove, nut and pea	Screenings, or dust	N.O.P.	Total		
Amherst.....	U.S.....											
Annapolis.....	U.S.....											
Antigonish.....	U.S.....											
Arichat.....	U.S.....											
Baddeck.....	U.S.....											
Barrington Passage.....	U.S.....											
Bridgewater.....	U.S.....						295			295		295
Canoe.....	U.S.....						397			397		397
Digby.....	U.S.....						155			155		155
	G.B.....											
Glace Bay.....	U.S.....											
Halifax.....	U.S.....	1,752		1,752	448	2,200	3,517			3,517	675	4,192
	G.B.....	41,857		41,857	50,484	92,341	47,161		339	47,500	45,402	92,902
Kentville.....	G.B.....	1,854		1,854	7,662	9,516	1,597			1,597	5,072	6,669
Liverpool.....	U.S.....	334		334		334	567			567		567
	G.B.....				998	998	776			776	1,245	2,021
Lunenburg.....	U.S.....	1,227		1,227		1,227	1,586			1,586		1,586
	G.B.....	1,789		1,789		1,789	2,299			2,299		2,299
Middleton.....	U.S.....											
New Glasgow.....	U.S.....											
North Sydney.....	U.S.....											
Parrsboro'.....	U.S.....											
Pictou.....	U.S.....											
Port Hawkesbury.....	U.S.....											
Port Hood.....	U.S.....											
Shelburne.....	U.S.....											
	G.B.....											
Truro.....	U.S.....											
Weymouth.....	U.S.....	168		168		168	175			175		175
Windsor.....	U.S.....											
Yarmouth.....	U.S.....	4,369		4,369		4,369	4,985			4,985	3	4,988
	G.B.....	4,285		4,285	840	5,125	2,790			2,790		2,790
Total.....	U.S.....	7,850		7,850	448	8,298	11,677			11,677	678	12,355
	G.B.....	49,785		49,785	59,934	109,769	51,623		339	51,962	51,719	103,681
Grand Total.....		57,635		57,635	60,432	118,067	66,300		339	66,639	52,397	119,036

* The total tonnage received at Nova Scotia ports of entry. See page 4, section 2, for explanation.

Table 59.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Nova Scotia, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite.....					441	6,587	7,028
Bituminous.....	433,414	35	105,375	1,403		3,595	330,266
Total.....	433,414	35	105,375	1,403	441	10,182	337,294
February—							
Anthracite.....						7,612	7,612
Bituminous.....	405,798	84	99,631	13,105	200	3,495	296,841
Total.....	405,798	84	99,631	13,105	200	11,107	304,453
March—							
Anthracite.....						3,183	3,183
Bituminous.....	436,063		98,893	11,593	440	11,750	337,767
Total.....	436,063		98,893	11,593	440	14,933	340,950
April—							
Anthracite.....						430	430
Bituminous.....	401,655		106,553		35	4,753	299,890
Total.....	401,655		106,553		35	5,183	300,320
May—							
Anthracite.....							
Bituminous.....	599,830		426,074	11,904		2,484	164,336
Total.....	599,830		426,074	11,904		2,484	164,336
June—							
Anthracite.....					2,249	3,248	5,497
Bituminous.....	596,494		444,370	16,126	1	4,544	140,843
Total.....	596,494		444,370	16,126	2,250	7,792	146,040
July—							
Anthracite.....					2,286	3,361	5,647
Bituminous.....	581,349		415,622	14,281			151,446
Total.....	581,349		415,622	14,281	2,286	3,361	157,093
August—							
Anthracite.....					2,338	2,892	5,230
Bituminous.....	606,242		483,636	15,970		3,752	110,588
Total.....	606,242		483,636	15,970	2,338	6,044	115,618
September—							
Anthracite.....					804	9,629	10,433
Bituminous.....	601,167	46	427,782	10,384		5,797	168,844
Total.....	601,167	46	427,782	10,384	804	15,426	179,277
October—							
Anthracite.....					1,589	3,952	5,541
Bituminous.....	663,140		394,051	23,686		2,702	248,105
Total.....	663,140		394,051	23,686	1,589	6,654	253,646
November—							
Anthracite.....					1,970	2,880	4,856
Bituminous.....	597,990		277,892	16,226	2	4,553	308,427
Total.....	597,990		277,892	16,226	1,972	7,439	313,283
December—							
Anthracite.....						11,182	11,182
Bituminous.....	418,483		53,541	35,294		4,294	333,942
Total.....	418,483		53,541	35,294		15,476	345,124
Total—							
Anthracite.....					11,677	64,962	66,639
Bituminous.....	6,341,625	165	3,333,420	169,972	678	51,719	2,890,795
Total.....	6,341,625	165	3,333,420	169,972	12,355	106,681	2,957,434

Table 60.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia, by Districts, 1933 and 1934

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1933						\$	\$	\$
Cape Breton.....	232	36	1,061	6,759	8,088	463,437	6,014,022	6,477,459
Cumberland.....	52	7	355	1,388	1,802	105,710	1,224,560	1,330,270
Inverness.....	9	3	115	280	407	14,467	315,928	330,395
Pictou.....	56	6	420	1,483	1,965	133,083	1,113,208	1,246,291
Nova Scotia.....	349	52	1,951	9,910	12,262	716,697	8,667,718	9,384,415
1934								
Cape Breton.....	272	40	1,109	7,164	8,585	534,421	8,874,602	9,409,113
Cumberland.....	54	6	318	1,308	1,686	112,570	1,465,618	1,578,188
Inverness.....	13	3	194	330	540	17,568	320,318	337,886
Pictou.....	56	6	379	1,249	1,690	117,895	1,395,147	1,513,042
Nova Scotia.....	395	55	2,000	10,051	12,501	782,454	12,655,775	12,838,229

Table 61.—Employment and Earnings in the Coal Mines of Nova Scotia, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	2,291	2,278	2,079	1,951	2,000
Underground.....	11,085	11,110	10,544	9,910	10,051
Total.....	13,376	13,388	12,623	11,861	12,051
Days' work done—					
Surface.....	596,242	508,098	403,569	386,132	503,219
Underground.....	2,462,050	1,935,083	1,560,215	1,629,929	2,304,706
Total.....	3,048,292	2,443,181	1,963,784	2,016,061	2,807,925
Average number of days worked per man per year—					
Surface.....	260	223	194	198	252
Underground.....	221	174	148	164	229
By all wage-earners.....	228	182	155	170	233
Total wages paid.....	\$ 17,126,422	\$ 13,414,542	\$ 9,978,207	\$ 8,667,718	\$ 12,055,775

Table 62.—Wage-Earners and Work Done, by Months, in the Coal Mines of Nova Scotia in 1934

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,005	10,082	12,087	41,363	167,600	208,963
February.....	2,012	10,051	12,063	38,621	156,761	195,382
March.....	1,847	9,211	11,058	38,428	160,643	199,071
April.....	1,834	9,250	11,084	33,893	146,957	180,850
May.....	1,985	10,017	12,002	42,704	205,029	247,733
June.....	2,003	10,152	12,155	40,891	206,744	247,635
July.....	2,054	10,010	12,064	40,570	203,771	244,341
August.....	2,045	10,082	12,127	42,466	213,438	255,904
September.....	2,039	10,232	12,271	45,666	214,885	260,551
October.....	2,084	10,348	12,432	50,620	239,404	290,020
November.....	2,070	10,610	12,680	48,105	221,340	269,445
December.....	2,026	10,565	12,591	39,886	168,154	208,040
Total.....				503,219	2,304,706	2,807,925

Table 63.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1933 and 1934

District	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	205,005	1,124,990	1,329,995	284,188	1,657,352	1,941,540
Cumberland.....	71,960	242,801	314,761	81,413	295,193	376,606
Inverness.....	32,435	58,044	90,479	40,817	71,688	112,505
Pictou.....	76,732	204,094	280,826	96,801	280,473	377,274
Total.....	386,132	1,629,929	2,016,061	503,219	2,304,706	2,807,925

Table 64.—Wage-Earners Employed in the Coal Mines of Nova Scotia, by Classes, 1933 and 1934

Classification	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	57	1	58	58	.....	58
Foremen and clerks.....	151	513	664	153	540	693
Offhands.....	649	.....	649	612	.....	612
Screenmen and loaders.....	.....	939	939	.....	838	838
Machine cutters and helpers.....	.....	1,038	1,038	.....	1,004	1,004
Machine loaders and helpers.....	.....	1,943	1,943	.....	1,943	1,943
Chute loaders.....	.....	50	50	.....	76	76
Horse haulage employees.....	8	414	422	11	428	439
Mechanical haulage employees.....	19	1,437	1,456	20	1,428	1,448
Ventilation employees.....	.....	247	247	.....	229	229
Roadmakers.....	.....	263	263	.....	270	270
Timbermen.....	.....	1,013	1,013	.....	1,038	1,038
Pumpmen.....	2	101	103	2	85	87
Engineers.....	162	65	227	161	80	241
Firemen.....	132	.....	132	134	.....	134
Machinists.....	182	5	187	178	5	183
Carpenters and masons.....	105	.....	105	122	.....	122
Other mechanics.....	88	211	299	81	221	302
All other employees.....	396	1,670	2,066	468	1,866	2,334
Total.....	1,951	9,910	11,861	2,090	10,051	12,051

Table 65.—Capital Employed in the Coal Mines of Nova Scotia, 1933 and 1934

	1933	1934
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	46,218,286	40,360,939
Cost of supplies and stock on hand.....	1,683,877	3,008,993
Cash, trading and operating accounts and bills receivable.....	4,412,256	4,293,277
Total.....	52,314,419	47,663,209

CHAPTER FOUR

NEW BRUNSWICK

Coal production in New Brunswick during 1934 advanced to 314,750 tons from the 1933 record output of 312,303 tons. The following extract from the New Brunswick Inspector of Mines' report gives some interesting information regarding developments in that province:—

"Over 95 per cent of coal mined in the Minto-Chipman district is being handled by operators who are equipped mechanically to produce a good quality of coal for shipment to the consumer. Considerable care is exercised in the mining, most of which is now being done by machines. The coal is screened for the separation of fines from lumps and passed over picking tables for the elimination of pieces of rock or other foreign matter. Every effort is also used to avoid unnecessary handling. The demand for the coal is good and the output has been well maintained throughout the year with the exception of the months of April, May and June which were materially affected by labour troubles. Coal is sold in four grades, Screened or Lump, Run of Mine, Slack, and Stripping. The first is free from slack or dust. The second is the coal as it comes from the pit and is unscreened. The third is screenings and the last is coal lying near the surface, lighter and more friable than the deep seam coal but nevertheless having good fuel value.

"About 50 per cent of the whole output is taken by railway companies, the major part by the Canadian National who use Screened coal only. The Canadian Pacific uses Run of Mine. Slack coal amounting to about 6 per cent of the total output is taken by the plant of the New Brunswick Power Commission which uses only pulverized fuel. Until recently all the principal operations with one exception, that of the Minto Coal Company, were under the room-and-pillar system in which all mining is done by hand. The Minto Coal Company for several years has been operating under the longwall system, under-cutting the coal by machine. This method has now been adopted by the Avon Coal Company, Rothwell Coal Company, Welton and Henderson and by the Miramichi Lumber Company. The cutter arm of the machine works in the "mud streak" or shale underlying or overlying the coal and the coal is loaded on a conveyor running parallel to the face of the coal. This conveyor runs the coal to waiting wheeled boxes which carry it to an elevated platform at the surface, then to the screens, picking table and waiting railway car.

"Stripping operations have been carried on at two places. First at a locality south of the New Zion Road, about 4 miles southwest of Minto, where Ashfield and Fitton have been stripping coal by means of steam shovel. This operation is now controlled by Welton and Henderson. Second, at the junction of Long Creek with the Salmon River, 7½ miles east of Minto, where the Reade Construction Company have been stripping coal by means of a drag line machine trucking the coal to Coal Creek for shipment by Canadian Pacific."

Mines active in New Brunswick during 1934 produced 76 per cent of their possible output; in the preceding year the active mines were operated at 82 per cent of their capacity. Tonnage lost through causes other than strikes amounted to 100,260 tons; strikes caused a further loss of 16,986 tons.

Shipments to railroads accounted for 50·3 per cent of the total tonnage shipped from the mines as compared with 53·8 per cent in the preceding year. Industrial consumers purchased 93,000 tons direct from the mines. Sales to retail coal dealers consisted of 16,000 tons of run of mine, 19,000 tons of lump, 1,000 tons of nut, and 12,000 tons of slack. Direct sales to domestic consumers totalled 11,000 tons.

On the average, 1,069 employees were engaged in or about the New Brunswick coal mines. Salaries and wages paid during the year amounted to \$745,045. The output per man-day in 1934 was 1·327 tons as compared with 1·219 tons in the preceding year.

Table 66.—Output of Coal from New Brunswick Mines, 1887-1934

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1887.....	10,040	23,607	1904.....	9,112	18,224	*1921.....	187,192	920,660
1888.....	5,730	11,059	1905.....	29,400	58,800	*1922.....	287,513	1,107,643
1889.....	5,673	11,733	1906.....	34,076	68,152	*1923.....	276,617	1,196,772
1890.....	7,110	13,850	1907.....	34,584	77,814	*1924.....	217,121	932,185
1891.....	5,422	11,030	1908.....	60,000	135,000	*1925.....	208,012	815,367
1892.....	6,758	9,375	1909.....	49,029	98,498	*1926.....	173,111	710,245
1893.....	6,200	9,837	1910.....	55,455	110,910	*1927.....	203,950	885,038
1894.....	6,469	10,263	1911.....	55,781	111,562	*1928.....	207,738	869,104
1895.....	9,500	14,250	1912.....	44,780	89,560	*1929.....	218,706	909,109
1896.....	7,500	11,250	1913.....	70,311	166,637	*1930.....	209,349	864,118
1897.....	6,000	9,000	1914.....	98,049	241,075	*1931.....	182,181	743,196
1898.....	6,160	9,240	1915.....	127,391	309,612	*1932.....	212,695	794,168
1899.....	10,528	15,792	1916.....	143,540	386,016	*1933.....	312,303	1,041,744
1900.....	10,000	16,000	1917.....	189,095	708,010	*1934.....	314,750	1,026,343
1901.....	17,630	51,857	1918.....	268,212	1,331,710			
1902.....	18,795	39,680	*1919.....	166,377	735,386	Total.....	4,973,565	18,860,977
1903.....	16,000	40,000	*1920.....	171,610	1,061,440			

* For the years 1919-1934 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 67.—Output of Coal from New Brunswick Mines, by Months, 1930-1934

(Short tons)

Month	1930	1931	1932	1933	1934
January.....	24,964	21,122	20,281	25,510	29,549
February.....	20,083	21,223	19,520	26,151	30,219
March.....	18,625	18,030	20,379	33,270	31,742
April.....	18,254	14,177	10,015	25,001	19,570
May.....	13,935	11,643	16,863	24,037	24,622
June.....	15,470	10,920	14,770	27,310	17,136
July.....	14,923	13,426	14,720	23,501	23,124
August.....	15,747	12,245	15,395	21,412	24,984
September.....	14,265	12,399	17,392	24,288	27,142
October.....	17,152	14,629	13,856	24,458	26,500
November.....	15,921	14,339	22,018	29,117	30,664
December.....	20,010	20,028	27,486	28,248	29,498
Total.....	209,349	182,181	212,695	312,303	314,750

Table 68.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1933 and 1934

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1933.....	82	18	3.2	14.5	0.0	0.2	0.1
1934.....	76	24	4.6	18.9	0.0	0.5	0.0

Table 69.—Disposition of Coal from New Brunswick Mines, by Grades, 1933 and 1934

(Short tons)

	1933					1934				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					\$					\$
Supplied to employees for domestic consumption.....	3,069	20	3	3,092	9,199	3,441			3,441	8,895
Shipped as per Table 70.....	94,619	139,878	70,846	305,343	1,022,935	95,297	133,943	78,748	307,988	1,008,433
Used under colliery boilers, etc.....	1,531	1	545	2,077	6,641	1,108		587	1,695	5,456
Used by companies' railroads.....	750			750	2,663	900			900	3,891
Put on bank.....	911	1,680	7,499	10,090	28,083	1,486	1,359	13,818	16,663	43,205
Put on waste heap.....				1,098					703	
Total disposition.....	100,889	141,579	78,893	322,450	1,069,821	102,232	135,302	93,153	331,350	1,069,480
Lifted from bank.....	868	1,725	7,564	10,147	28,077	1,194	1,631	13,804	16,629	43,137
Lifted from waste heap.....									11	
Total output.....	100,022	139,854	71,329	312,303	1,041,744	101,038	133,671	79,349	314,750	1,026,343

Table 70.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933				1934			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
New Brunswick.....	58,230	19,022	56,880	134,112	48,074	18,416	79,685	137,175
Nova Scotia.....	64	668	1,426	2,158		165		165
Prince Edward Island.....	7	2,543	112	2,662		2,527		2,527
Quebec.....	223	203	435	861	8,035	628	2,438	11,101
Ontario.....		30		30				
United States.....	591	657	45	1,293	419	1,750		2,169
Railroads.....	35,504	110,755	11,968	161,227	38,769	110,457	5,625	154,851
Total.....	94,619	139,878	70,846	305,343	95,297	133,943	78,748	307,988

Table 71.—Output of Coal by Principal Collieries in New Brunswick, 1932-1934
(Average output of 500 tons or more per month)

(Short tons)

Name	Address	1932	1933	1934
Avon Coal Co., Ltd.	St. John	35,167	52,874	53,444
Evans, W. B.	Minto	21,759	29,987	32,681
King, Gerald H.	Chipman	2,379	10,241	14,320
Minto Coal Co., Ltd.	Minto	70,511	93,246	68,279
Miramichi Lumber Co., Ltd.	Minto	34,809	51,371	61,750
Newcastle Coal Co.	Minto			7,659
Reade Construction Co. Ltd.	Chipman		990	6,304
Welton, Harvey	Minto	12,956	18,235	19,703
Welton & Henderson Ltd.	Minto	20,128	39,613	45,574
All other operators		8,986	15,746	5,056
Total		212,695	312,303	314,750

Table 72.—Exports of Canadian Coal through New Brunswick Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
McAdam Junction					
St. Andrews					
St. John	5,149	4,705	1,061	962	1,815
St. Stephen				20	19
Woodstock	19,575	50,281	50,254	54,734	40,294
Total	24,724	54,986	51,315	55,716	42,128

Table 73.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933					1934				
		Anthracite		Total	Bituminous, all grades	Total	Anthracite		Total	Bituminous, all grades	Total
		Grate, egg, stove, nut, and pea	N.O.P.				Grate, egg, stove, nut, and pea	Screenings or dust			
Bathurst	U.S.				34	34				62	62
Campbellton	U.S.				41	41					
	G.B.				28	28	375		318	693	1,140
Chatham	U.S.										
Fredericton	U.S.				71	71	25		25	107	132
McAdam Junction	U.S.										
Sackville	U.S.										
	G.B.										
St. Andrews	U.S.		30	34		34			41	41	41
St. John	U.S.	18,673	231	18,904	8,817	27,721	22,446		62	22,508	20,519
	G.B.	73,035		73,035	7,920	80,955	74,714		116	74,830	12,091
	Germany				144	144					
St. Stephen	U.S.	7	6	13	100	113	15			15	2,189
	G.B.	3,296	247	3,543	2,842	6,385	3,611		3,611	251	3,862
Woodstock	U.S.	1		1	186	187	27		27	143	170
	G.B.										
Total	U.S.	18,685	267	18,952	9,249	28,201	22,513		163	22,616	23,020
	G.B.	76,331	247	76,578	10,799	87,368	78,700		434	79,134	12,789
	Germany				144	144					
Grand total		95,016	514	95,530	20,183	115,713	101,213		537	101,750	35,809

* The total tonnage received at New Brunswick ports of entry. See page 4, section 2, for explanation.

Table 74.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in New Brunswick, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	*Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite.....					3,553	3,480	7,033
Bituminous.....	29,549	53,816	552	4,538	2,927	622	81,824
Total.....	29,549	53,816	552	4,538	6,480	4,102	88,857
February—							
Anthracite.....					626	28,277	28,903
Bituminous.....	30,219	34,406	602	6,923	2,908	2,111	62,119
Total.....	30,219	34,406	602	6,923	3,534	30,388	91,022
March—							
Anthracite.....					2,178	16,878	19,056
Bituminous.....	31,742	38,919	1,733	3,285	912	1,656	68,211
Total.....	31,742	38,919	1,733	3,285	3,090	18,534	87,267
April—							
Anthracite.....					2,613	5,381	7,994
Bituminous.....	19,570	22,673	620	2,653	2,371	1,339	42,680
Total.....	19,570	22,673	620	2,653	4,984	6,720	50,674
May—							
Anthracite.....					340	4,091	4,431
Bituminous.....	24,622	20,318	882	967	3,945	1	47,037
Total.....	24,622	20,318	882	967	4,285	4,092	51,468
June—							
Anthracite.....					1,418	5,740	7,158
Bituminous.....	17,136	20,212	419	1,603	1,662	223	37,212
Total.....	17,136	20,212	419	1,603	3,081	5,963	44,370
July—							
Anthracite.....					2,387		2,387
Bituminous.....	23,124	19,068	1,830	2,824	35	887	38,460
Total.....	23,124	19,068	1,830	2,824	2,422	887	40,847
August—							
Anthracite.....					14	1,897	1,911
Bituminous.....	24,984	19,804	2,745	2,160	1,970		41,853
Total.....	24,984	19,804	2,745	2,160	1,984	1,897	43,764
September—							
Anthracite.....					3	2,435	2,438
Bituminous.....	27,142	23,503	1,744	3,840	62	28	45,151
Total.....	27,142	23,503	1,744	3,840	65	2,463	47,589
October—							
Anthracite.....					2,326	6,425	8,751
Bituminous.....	26,500	41,162	1,442	4,451	2,290	4,485	68,544
Total.....	26,500	41,162	1,442	4,451	4,616	10,910	77,295
November—							
Anthracite.....					2,392	4,159	6,551
Bituminous.....	30,664	32,837	853	5,218	1,895	447	59,772
Total.....	30,664	32,837	853	5,218	4,287	4,606	66,323
December—							
Anthracite.....					4,766	371	5,137
Bituminous.....	29,498	38,435	371	3,666	2,042	990	66,928
Total.....	29,498	38,435	371	3,666	6,808	1,361	72,065
Total—							
Anthracite.....					22,616	79,131	101,750
Bituminous.....	314,750	365,153	13,793	42,128	23,020	12,789	639,791
Total.....	314,750	365,153	13,793	42,128	45,636	91,923	761,541

*Direct imports into New Brunswick. Of this quantity 26,248 tons of anthracite coal were trans-shipped to Quebec, 6064—43

Table 75.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1933 and 1934

	1933	1934
Number of salaried employees—		
Male.....	22	28
Female.....	7	6
Number of wage-earners—		
Surface.....	209	202
Underground.....	816	833
Total.....	1,051	1,069
Salaries and wages—		
Salaries.....	\$ 55,146	\$ 66,201
Wages.....	\$ 861,408	\$ 678,844
Total.....	\$ 916,554	\$ 745,015

Table 76.—Employment and Earnings in the Coal Mines of New Brunswick, 1930-1934

	1930	1931	1932	1933	1934
Average number of employees—					
Surface.....	125	148	140	209	202
Underground.....	459	460	569	816	833
Total.....	584	608	709	1,025	1,035
Days' work done—					
Surface.....	29,735	28,996	30,049	46,079	46,721
Underground.....	104,985	90,384	125,082	210,129	190,463
Total.....	134,720	119,380	155,131	256,208	237,184
Average number of days worked per man per year—					
Surface.....	238	196	215	220	231
Underground.....	229	196	220	258	229
By all wage-earners.....	230	196	219	256	229
Total wages paid.....	\$ 514,119	\$ 451,686	\$ 507,664	\$ 861,408	\$ 678,844

Table 77.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1934

Month	Number of wage-earners			Days' work done		
	Surface	Underground	Total	Surface	Underground	Total
January.....	208	951	1,159	4,019	19,315	23,334
February.....	202	950	1,152	3,992	20,712	24,704
March.....	194	916	1,110	4,456	20,700	25,156
April.....	191	903	1,094	2,950	13,339	16,289
May.....	182	795	977	3,676	16,308	20,984
June.....	198	789	987	3,238	10,886	14,124
July.....	214	720	934	4,011	12,111	16,122
August.....	226	722	948	4,187	13,378	17,565
September.....	209	715	924	4,275	14,992	19,267
October.....	189	729	918	3,724	13,961	17,685
November.....	198	850	1,048	4,192	16,757	20,949
December.....	204	964	1,168	4,001	17,941	21,942
Total.....				46,721	190,463	237,184

Table 78.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1933 and 1934

Classification	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	16		16	17		17
Foremen and clerks.....	18	13	31	21	13	34
Officials.....						
Screenmen and loaders.....	56		56	46		46
Hand cutters and helpers.....		619	619		542	542
Machine cutters and helpers.....		68	68		43	43
Machine loaders and helpers.....		11	11		114	114
Horse haulage employees.....	1	1	2	2	1	3
Mechanical haulage employees.....		2	2	1	3	4
Ventilation employees.....		3	3		1	1
Roadmakers.....		7	7		14	14
Timbermen.....	2	23	25	3	27	30
Pumpmen.....	2	2	4	2	4	6
Enginemen.....	13		13	17		17
Firemen.....	1		1	2		2
Machinists.....	1		1	1		1
Carpenters and masons.....	6		6	6		6
Other mechanics.....	1		1	2		2
All other employees.....	92	67	159	82	71	153
Total.....	209	816	1,025	202	833	1,035

Table 79.—Capital Employed in the Coal Mines of New Brunswick, 1933 and 1934

	1933	1934
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	1,541,080	1,486,916
Cost of supplies and stock on hand.....	25,335	28,063
Cash, trading and operating accounts and bills receivable.....	214,956	341,413
Total.....	1,781,371	1,856,392

CHAPTER FIVE

QUEBEC

Quebec's coal supply in 1934 was obtained principally from Nova Scotia, Great Britain and the United States; in addition, smaller tonnages were received from Germany, Belgium, the neighbouring province of New Brunswick, Norway, Sweden and Newfoundland. During the year 5,773,824 tons of coal were made available for consumption in the province; Nova Scotia contributed 2,873,508 tons of this quantity, Great Britain, 1,730,773 tons and the United States, 1,068,481, tons. These tonnages represent the direct shipments into Quebec less a small export. All this coal, however, was not consumed within the province as considerable tonnages were trans-shipped from Montreal to Ontario points. Trans-shipments of Nova Scotia coal to Ontario in 1934 totalled 756,685 tons, of Great Britain anthracite and bituminous coal, 511,497 tons, of German anthracite coal, 16,050 tons, and of Belgian anthracite coal, 1,088 tons. It should also be noted that 26,248 tons of anthracite coal from Great Britain were cleared through the port of Saint John, New Brunswick, and trans-shipped to Quebec points in 1934.

Table 80.—Exports of Canadian Coal through Quebec Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Athelstan.....		47			50
Coaticook.....					
Lake Megantic.....			4		
Montreal.....					
Rock Island.....		10	12		
St. John's.....	200		50		
Sutton.....					
Three Rivers.....					
Total.....	200	57	66		50

Table 81.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933					1934					
		Anthracite			Bituminous, all grades	Total	Anthracite			Total	Bituminous, all grades	Total
		Grate, egg, stove, nut and pea	Screenings or dust and N.O.P.	Total			Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.			
Athelstan	U.S.	53,504	4,586	58,090	14,186	72,276	54,192		9,975	64,167	16,398	80,565
Chicoutimi	U.S.				9,771	9,771					14,921	14,921
	G.B.	4,300		4,300	3,475	7,775	10,742			10,742	13,214	23,956
Coaticook	U.S.	195		195	36	231	55		9,561	9,616	119	9,735
	G.B.											
Drummondville	U.S.	167	65	232	479	711	33		145	178	1,765	1,943
Gaspé	U.S.				618	618						
Granby	U.S.	102		102	188	290	177			177	41	218
Hull	U.S.	2,886	647	3,533	2,077	5,610	4,186		708	4,894	1,804	6,698
Laake Megantic	U.S.	82		82	31	113	30			30		30
Montreal	U.S.	5,826	8,014	13,840	349,836	363,676	38,465	43	608	39,118	485,216	524,332
	G.B.	1,188,416	115,644	1,304,060	193,933	1,497,993	1,274,924	31,077	2,099	1,308,100	210,067	1,518,167
	Germany						64,718			64,718	50	64,768
	Belgium						17,557			17,557		17,557
	Norway										280	280
	Sweden										15	15
Paspébiac	U.S.						1,456			1,456		1,456
Quebec	U.S.	31,431	52	31,483	3,885	35,368	26,889	32	2,188	29,109	33,405	62,514
	G.B.	118,703		118,703	3,190	121,893	115,312			115,312	17,410	132,722
	Germany						7,385			7,385		7,385
	Nfld.						6			6		6
Rimouski	U.S.											
	G.B.	3,634		3,634		3,634	4,818			4,818		4,818
Rock Isl.	U.S.	1,000	183	1,183	256	1,439	793		93	886	153	1,039
St. Armand	U.S.	72	351	423	206	629			301	301	97	398
St. Hyacinthe	U.S.	245	342	587	311	898	63		85	148	250	398
St. John's	U.S.	128,130	28,922	157,052	34,839	191,891	154,000	8,922	70,418	233,340	88,532	321,872
Shawinigan Falls	U.S.				31	31	63		31	94	207	301
Sherbrooke	U.S.	2,716	5,727	8,443	2,112	10,555	3,697		9,148	12,845	2,221	15,066
	G.B.											
Sorel	U.S.	489		489	7,017	7,506	974			974	8,036	9,010
	G.B.				30,850	30,850	3,037			3,037	16,283	19,320
Sutton	U.S.	57		57	48	105	10		3,375	3,385	55	3,440
	G.B.											
Three Rivers	U.S.	5,052		5,052	7,148	12,200	3,564			3,564	6,005	9,572
	G.B.	14,030	3,132	17,162	12,828	29,990	18,844		0,563	25,407	6,383	31,790
Valleyfield	U.S.	2,956		2,956	621	3,577	4,445		190	4,635	338	4,973
Total	U.S.	234,910	48,889	283,799	433,706	717,505	293,092	8,997	106,826	408,915	659,566	1,068,481
	G.B.	1,329,083	118,776	1,447,859	244,276	1,692,135	1,127,677	31,077	8,662	1,167,416	263,357	1,736,773
	Germany						72,103			72,103	50	72,153
	Belgium						17,557			17,557		17,557
	Nfld.						6			6		6
	Norway										280	280
	Sweden										15	15
Grand total		1,563,993	167,665	1,731,658	677,982	2,409,640	1,810,435	49,074	115,488	1,965,997	923,268	2,889,265

* The total tonnage received at Quebec ports of entry. See page 4, section 2, for explanation.

Table 82.—Summary Statistics for 1934—Exports, Interprovincial Shipments, Imports* and Coal made Available for Consumption in Quebec, by Months and by Kinds

(Short tons)

Month	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Imported from Germany	Imported from Belgium	Imported from Newfoundland	Imported from other countries	Coal available for consumption
	Received from other provinces	Exported							
January—									
Anthracite.....			32,996						32,996
Bituminous.....	37,651		21,568						59,219
Total.....	37,651		54,564						92,215
February—									
Anthracite.....			26,177						26,177
Bituminous.....	55,127		20,903						76,030
Sub-bituminous.....									
Total.....	55,127		47,080						102,207
March—									
Anthracite.....			42,273						42,273
Bituminous.....	52,185	50	53,671						105,806
Total.....	52,185	50	95,944						148,079
April—									
Anthracite.....			9,538						9,538
Bituminous.....	73,804		21,501						95,305
Total.....	73,804		31,039						104,843
May—									
Anthracite.....			33,350	286,888					320,244
Bituminous.....	403,436		60,001	50,436					513,873
Total.....	403,436		93,357	337,324					834,117
June—									
Anthracite.....			48,868	198,290					247,158
Bituminous.....	421,259		78,516	19,502					519,277
Total.....	421,259		127,384	217,792					766,435
July—									
Anthracite.....			35,111	191,639			6		226,756
Bituminous.....	395,970		81,072	24,166	50				501,258
Total.....	395,970		116,183	215,805	50		6		728,014
August—									
Anthracite.....			18,966	186,335		5,937			211,238
Bituminous.....	461,612		95,002	25,155					581,769
Total.....	461,612		113,968	211,490		5,937			793,007
September—									
Anthracite.....			35,074	196,535	17,802				249,411
Bituminous.....	397,584		74,004	39,582					511,230
Total.....	397,584		109,138	236,117	17,802				760,641
October—									
Anthracite.....			46,208	187,570	12,430	5,964			252,172
Bituminous.....	342,354		60,303	48,791					451,448
Total.....	342,354		106,511	236,361	12,430	5,964			703,620
November—									
Anthracite.....			46,734	220,159	30,671	5,656			303,220
Bituminous.....	235,258		70,586	52,461				295	358,600
Total.....	235,258		117,320	272,620	30,671	5,656		295	661,820
December—									
Anthracite.....			33,614		11,200				44,814
Bituminous.....	8,369		22,379	3,264					34,012
Total.....	8,369		55,993	3,264	11,200				78,826
Total—									
Anthracite.....			408,915	1,467,416	72,163	17,557	6		1,965,997
Bituminous.....	2,884,669	50	653,566	263,357	50			295	3,807,827
Sub-bituminous.....									
Total.....	2,884,669	50	1,068,481	1,730,773	72,153	17,557	6	295	5,773,824

*Direct imports into Quebec.

†Direct shipments from Nova Scotia and New Brunswick mines.

CHAPTER SIX

ONTARIO

During 1934 shipments of coal into Central Ontario from the United States totalled 9,854,974 tons made up of 1,345,746 tons of anthracite coal and 8,509,228 tons of bituminous coal. Direct importations into Ontario from Great Britain amounted to 32,165 tons, in addition to which 510,471 tons of anthracite coal and 1,026 tons of bituminous coal were trans-shipped from Montreal to Ontario points. Additional tonnages of anthracite coal were received in Ontario, ex-Montreal, from the following sources: Germany, 16,050 tons and Belgium, 1,088 tons. Shipments of Nova Scotia coal direct from the mines to Ontario were recorded at 21,598 tons; this tonnage was augmented by trans-shipments of 756,685 tons from stock at Montreal. Alberta operators shipped 55,825 tons of coal to Ontario consumers. Minor quantities were received from British Columbia and Saskatchewan mines.

Table 83.—Exports of Canadian Coal through Ontario Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Bridgeburg.....					
Fort Frances.....	70	68	6		1
Niagara Falls.....					
Toronto.....			2		
Total.....	70	68	8		1

Table 84.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933			1934					Total
		Anthracite	Bituminous, all grades	Total	Anthracite				Bituminous, all grades	
					Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total		
CENTRAL ONTARIO—										
Amherstburg.....	U.S.	5,051	61,921	66,972	3,828	13	42	3,883	65,822	69,705
Belleville.....	U.S.	8,758	17,313	26,071	13,843		627	14,470	16,257	30,727
Bowmanville.....	U.S.	4,678	2,298	6,976	4,851		204	5,055	2,116	7,171
Brantford.....	U.S.	27,696	24,078	51,774	29,470		3,210	32,680	24,547	57,227
Brockville.....	U.S.	10,938	10,662	21,600	11,180		5,616	16,796	16,291	33,087
Chatham.....	U.S.	3,911	473,761	477,672	4,006		306	4,312	663,326	667,638
Cobourg.....	U.S.	9,738	140,757	150,495	11,102		269	11,371	145,103	156,474
Collingwood.....	U.S.	4,827	3,602	8,429	4,630		657	5,287	5,316	10,603
Cornwall.....	U.S.	7,460	2,496	9,956	7,448		993	8,441	4,881	13,322
Fort Erie.....	U.S.	44,837	87,140	131,977	52,127	572	2,183	54,882	52,036	106,918
Fort Frances.....	U.S.	8	30,108	30,116	3,030			3,030	37,085	40,115
Galt.....	U.S.	18,545	31,272	49,817	19,107	107	1,387	20,601	29,672	50,273
Gananoque.....	U.S.	2,495	1,928	4,423	3,410		235	3,645	3,405	7,050
Goderich.....	U.S.	15,372	30,416	45,788	16,452	190	750	17,392	31,931	49,323
Guelph.....	U.S.	23,945	39,892	63,837	23,715	158	2,067	25,940	42,058	67,998
Hamilton.....	U.S.	78,809	1,346,824	1,425,633	76,452	75	15,862	92,389	1,463,154	1,555,543
	G.B.	1,453		1,453						
Ingersoll.....	U.S.	5,254	12,211	17,465	6,151		198	6,349	11,902	18,251
Kenora.....	U.S.								480	480
Kingston.....	U.S.	25,808	43,225	69,033	24,148		4,787	28,935	41,033	69,968
Kitchener.....	U.S.	25,805	55,241	81,046	27,245		2,052	29,297	68,660	97,957
Lindsay.....	U.S.	5,983	4,723	10,706	6,636		238	6,874	5,313	12,187
London.....	U.S.	53,008	39,389	92,397	61,760		4,500	66,260	63,143	129,403
Midland.....	U.S.	2,108	66,253	68,361	1,738		536	2,274	193,255	195,529
Morrisburg.....	U.S.	3,095	109	3,204	2,419		91	2,510	147	2,657
Napanee.....	U.S.	4,871	15,095	19,966	4,445		250	4,695	14,474	19,169
Niagara Falls.....	U.S.	25,834	251,923	277,757	35,606	1,027	5,435	42,068	186,753	228,821
North Bay.....	U.S.	7,039	20,679	27,718	6,690		360	7,050	24,663	31,713
Orillia.....	U.S.	6,101	2,745	8,846	7,024		277	7,301	5,205	12,506
Oshawa.....	U.S.	8,057	31,768	39,825	22,773		911	23,684	46,627	70,311
Ottawa.....	U.S.	70,386	74,350	144,736	60,782	47	14,787	75,616	72,149	147,765
	G.B.		1,205	1,205						
Owen Sound.....	U.S.	2,711	12,770	15,481	2,544		102	2,646	15,768	18,414
Paris.....	U.S.	6,048	11,311	17,359	7,034		353	7,387	8,454	15,841
Parry Sound.....	U.S.	991	360,229	361,220	1,328			1,328	460,374	461,702
Peterborough.....	U.S.	18,435	18,563	37,998	19,692		1,020	20,712	16,910	37,622
Pictou.....	U.S.	5,556	4,813	10,369	6,329		86	6,415	5,531	11,946
Port Hope.....	U.S.	6,311	3,951	10,262	6,867		68	6,935	8,082	15,017
Port McNicoll.....	U.S.	172	9,991	10,163	207			207	12,804	13,071
Prescott.....	U.S.	11,152	364,809	375,961	10,322		2,074	12,396	512,800	525,196
St. Catharines.....	U.S.	26,495	89,975	116,470	25,017	72	1,505	26,594	118,843	145,437
St. Thomas.....	U.S.	11,981	118,952	130,933	13,980		377	14,366	114,516	128,882
Sarnia.....	U.S.	3,146	243,683	246,829	2,860	126	17	3,003	460,128	463,131
Sault Ste. Marie.....	U.S.	3,002	599,847	602,849	2,949			2,949	826,128	829,077
Simcoe.....	U.S.	2,414	10,721	13,135	2,882		88	2,970	12,787	15,757
Stratford.....	U.S.	30,360	26,187	56,547	29,231	231	3,021	32,483	31,251	63,734
Sudbury.....	U.S.	4,785	4,016	8,801	6,431		406	6,837	6,892	13,729
Tillsonburg.....	U.S.	2,033	222,009	224,042	2,217			2,217	223,231	225,448
Toronto.....	U.S.	403,481	1,133,532	1,537,013	449,688	862	52,290	502,840	1,394,302	1,897,142
	G.B.	23,441		23,441	32,165			32,165		32,165
Trenton.....	U.S.	4,351	15,887	20,238	4,586	30	22	4,638	21,355	25,993
Wallaceburg.....	U.S.	299	19,213	19,512	322			322	18,866	19,188
Welland.....	U.S.	22,838	227,559	250,397	24,766		8,195	32,961	286,395	319,356
Whitby.....	U.S.	6,022	5,702	11,724	6,687		83	6,750	1,463	8,213
Windsor.....	U.S.	8,256	623,808	632,064	10,465	662	360	11,487	597,437	608,924
Woodstock.....	U.S.	12,869	16,572	29,441	13,148		1,068	14,216	18,047	32,263
TOTAL FOR CENTRAL ONTARIO—										
	U.S.	1,104,155	7,067,289	8,171,444	1,201,609	4,172	139,965	1,345,746	8,509,228	9,854,974
	G.B.	24,894	1,205	26,099	32,165			32,165		32,165
HEAD OF LAKES—										
Fort William.....	U.S.	8,742	482,206	490,948	4,442		3,492	7,934	607,122	615,056
Port Arthur.....	U.S.		74,934	74,934					126,671	126,671
TOTAL HEAD OF LAKES—										
	U.S.	8,742	557,140	565,882	4,442		3,492	7,934	733,793	741,727
	G.B.									
Total for Ontario—										
	U.S.	1,112,897	7,624,429	8,737,326	1,206,051	4,172	143,457	1,353,680	9,243,021	10,596,701
	G.B.	24,894	1,205	26,099	32,165			32,165		32,165
Grand total.....										
		1,137,791	7,625,634	8,763,425	1,238,216	4,172	143,457	1,385,845	9,243,021	10,628,866

* The total tonnage received at Ontario ports of entry. See page 4, section 2, for explanation.

Table 85.—Summary Statistics for 1934—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption in Ontario, by Months and by Kinds

(Short tons)

Month	Central Ontario				Head of Lakes		Total Ontario
	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Coal available for consumption		Coal available for consumption
	†Received from other provinces	Exported			Imported from United States	Imported from Great Britain	
January—							
Anthracite.....			131,106		131,106	2,994	134,100
Bituminous.....	6,010		328,699		334,709		334,709
Sub-bituminous.....	2,499				2,499		2,499
Lignite.....	3,261				3,261		3,261
Total.....	11,770		459,805		471,575	2,994	474,569
February—							
Anthracite.....			102,089		102,089		102,089
Bituminous.....	5,237		223,627		228,864		228,864
Sub-bituminous.....	2,252				2,252		2,252
Lignite.....	3,442				3,442		3,442
Total.....	10,931		325,716		336,647		336,647
March—							
Anthracite.....			150,967		150,967		150,967
Bituminous.....	3,836		420,878		424,716		424,716
Sub-bituminous.....	982				982		982
Lignite.....	1,190				1,190		1,190
Total.....	6,010		571,845		577,855		577,855
April—							
Anthracite.....			66,945		66,945		66,945
Bituminous.....	7,583		334,439		342,022		342,022
Sub-bituminous.....							
Lignite.....	188				188		188
Total.....	7,771		401,384		409,155		409,155
May—							
Anthracite.....			123,872	11,040	134,912		134,912
Bituminous.....	190		932,963		933,153	36,788	969,941
Sub-bituminous.....							
Lignite.....	63				63		63
Total.....	253		1,056,835	11,040	1,068,128	36,788	1,104,916
June—							
Anthracite.....			110,071	3,602	113,673	498	114,171
Bituminous.....	236		941,217		941,453	109,617	1,051,070
Sub-bituminous.....	123				123		123
Lignite.....	507				507		507
Total.....	866		1,051,288	3,602	1,055,756	110,115	1,165,871
July—							
Anthracite.....			86,169	4,947	91,116	2,652	93,768
Bituminous.....	897		999,062		999,959	107,778	1,107,737
Sub-bituminous.....	71				71		71
Lignite.....	344				344		344
Total.....	1,312		1,085,231	4,947	1,091,490	110,430	1,201,920
August—							
Anthracite.....			83,161	1,858	85,019		85,019
Bituminous.....	193		879,731		879,924	148,666	1,028,590
Sub-bituminous.....	831				831		831
Lignite.....	520				520		520
Total.....	1,544		962,892	1,858	966,294	148,666	1,114,960
September—							
Anthracite.....			128,653	2,655	131,308		131,308
Bituminous.....	660		946,585		947,245	130,226	1,077,471
Sub-bituminous.....	2,189				2,189		2,189
Lignite.....	3,129				3,129		3,129
Total.....	5,978		1,075,238	2,655	1,083,871	130,226	1,214,097

Table 85.—Summary Statistics for 1934—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption in Ontario, by Months and by Kinds—Concluded

(Short tons)

Month	Central Ontario				Head of Lakes		Total Ontario
	Canadian coal		Imported from U.S.A.	Imported from Great Britain	Coal available for consumption		Coal available for consumption
	†Received from other provinces	Exported			Imported from United States	Imported from Great Britain	
October—							
Anthracite.....			117,357	3,651	121,008		121,008
Bituminous.....	486		934,363		934,849	114,068	1,048,917
Sub-bituminous.....	4,282				4,282		4,282
Lignite.....	6,215				6,215		6,215
Total.....	10,983		1,051,720	3,651	1,066,354	114,068	1,180,422
November—							
Anthracite.....			131,667	1,153	132,820	1,790	134,610
Bituminous.....	246		1,000,040		1,000,286	84,052	1,084,338
Sub-bituminous.....	3,396				3,396		3,396
Lignite.....	7,028				7,028		7,028
Total.....	10,670		1,131,707	1,153	1,143,530	85,842	1,229,372
December—							
Anthracite.....			113,689	3,259	116,948		116,948
Bituminous.....	586	1	567,624		568,209	2,598	570,807
Sub-bituminous.....	3,732				3,732		3,732
Lignite.....	6,505				6,505		6,505
Total.....	10,823	1	681,313	3,259	695,394	2,598	697,992
Total—							
Anthracite.....			1,345,746	32,165	1,377,911	7,934	1,385,845
Bituminous.....	26,162	1	8,509,228		8,535,389	733,793	9,269,182
Sub-bituminous.....	20,357				20,357		20,357
Lignite.....	32,392				32,392		32,392
Total.....	78,911	1	9,854,974	32,165	9,966,049	741,727	10,707,776

*Direct imports into Ontario. See text for trans-shipments from Quebec.

†Direct shipments from mines.

‡Shipments to any point in Ontario from western mines.

CHAPTER SEVEN

MANITOBA

Manitoba's coal production in 1934 amounted to 4,113 tons as compared with 3,880 tons in 1933. This coal was obtained from the lignite seams near Deloraine.

Alberta, Saskatchewan, British Columbia, the United States and Great Britain continued to be the principal sources of Manitoba's coal supply. Alberta operators shipped 391,317 tons of coal into Manitoba in 1934; this represented a decline of 13.6 per cent from the tonnage shipped in 1933. The 1934 shipments included 115,038 tons of bituminous coal, 70,980 tons of sub-bituminous coal and 205,299 tons of lignite coal. Mines in Saskatchewan shipped 381,213 tons of lignite coal to Manitoba points in 1934 as against 376,653 tons in the preceding year. An increase of 36.2 per cent was shown in shipments of bituminous coal from the Crows Nest Pass district, British Columbia, to Manitoba; the 1934 total was 98,016 tons.

Manitoba's importations of coal from the United States are obtained principally through the Head of the Lakes ports; it is necessary, therefore, in considering the province's coal requirements, to include data regarding clearances through Fort William and Port Arthur. In 1934, imports through Manitoba and the Head of the Lakes ports totalled 760,169 tons; of this quantity 408,231 tons were for railroad use.

Table 86.—Disposition of Coal from Manitoba Mines, by Grades, 1933 and 1934

(Short tons)

Disposition	1933		1934	
	Quantity	Value	Quantity	Value
		\$		\$
Supplied to employees for domestic consumption.....	48	96	52	117
Shipped (all to Manitoba points).....	3,832	9,118	4,006	8,750
Used under colliery boilers.....			55	85
Total disposition.....	3,880	9,214	4,113	8,952

Table 87.—Exports of Canadian Coal through Manitoba Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Brandon.....	57	4	92	519	800
Emerson.....	702	332	191	116	58
Gretna.....	693	389	233	23	
Winnipeg.....	950	563	804	560	576
Total.....	2,402	1,288	1,320	1,218	1,434

Table 88.—Imports into Manitoba and the Head of Lakes, of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1933 and 1934*
(Short tons)

Port	Source	1933				1934							
		Anthracite	Lignite	Bituminous, all grades	Total	Anthracite			Total	Lignite	Bituminous, all grades	Total	
						Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.					
MANITOBA—													
Brandon.....	U.S.	4	259	1,751	2,014						196	601	797
Emerson.....	U.S.	15		188	203							46	46
Gretna.....	U.S.	3	33	1	37			28	28	57		29	114
Portage la Prairie.....	U.S.												
Winnipeg.....	U.S.	5,497		10,095	15,592	388		5,670	6,058		9,921	15,979	
	G.B.	150		1,178	1,328						1,506	1,506	
Total for Manitoba...	U.S.	5,519	292	12,035	17,846	388		5,698	6,086	253	10,597	16,936	
	G.B.	150		1,178	1,328						1,506	1,506	
HEAD OF LAKES—													
Port William.....	U.S.	8,742		482,206	490,948	4,442		3,492	7,934		607,122	615,056	
Port Arthur.....	G.B.												
	U.S.			74,934	74,934						126,671	126,671	
Total Head of Lakes...	U.S.	8,742		557,140	565,882	4,442		3,492	7,934		733,793	741,727	
	G.B.												
Total.....		8,742		557,140	565,882	4,442		3,492	7,934		733,793	741,727	
Total for Manitoba and Head of Lakes.....	U.S.	14,261	292	569,175	583,728	4,830		9,190	14,020	253	744,390	758,663	
	G.B.	150		1,178	1,328						1,506	1,506	
Grand Total.....		14,411	292	570,353	585,056	4,830		9,190	14,020	253	745,896	760,169	

* The total tonnage received at Manitoba ports of entry. See page 4, section 2, for explanation.

Table 89.—Summary Statistics for 1934—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption in Manitoba, (exclusive of Tonnage Cleared at Head of Lakes some of which entered Manitoba) by Months and by Kinds

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
January—						
Anthracite.....				757		757
Bituminous.....		28,358		1,669		30,027
Sub-bituminous.....		13,205				13,205
Lignite.....	591	86,871	163	46		87,345
Total.....	591	128,434	163	2,472		131,334
February—						
Anthracite.....				692		692
Bituminous.....		20,564		862		21,426
Sub-bituminous.....		6,947				6,947
Lignite.....	323	69,099	114			69,308
Total.....	323	96,610	114	1,554		98,373
March—						
Anthracite.....				579		579
Bituminous.....		18,832		1,207		20,039
Sub-bituminous.....		5,588				5,588
Lignite.....	405	50,382	51	32		50,768
Total.....	405	74,802	51	1,818		76,974
April—						
Anthracite.....				416		416
Bituminous.....		12,147		1,047		13,194
Sub-bituminous.....		4,356				4,356
Lignite.....		19,211	13	4		19,202
Total.....		35,714	13	1,467		37,168

Table 89.—Summary Statistics for 1934—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption in Manitoba, (exclusive of Tonnage Cleared at Head of Lakes some of which entered Manitoba) by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal			Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Exported			
May—						
Anthracite.....				459		459
Bituminous.....		11,820		887		12,707
Sub-bituminous.....		1,466				1,466
Lignite.....		16,492	14			16,478
Total.....		29,778	14	1,346		31,110
June—						
Anthracite.....				295		295
Bituminous.....		13,830		406		14,236
Sub-bituminous.....		673				673
Lignite.....		10,426				10,426
Total.....		24,929		701		25,630
July—						
Anthracite.....				256		256
Bituminous.....		9,924		602		10,526
Sub-bituminous.....		1,261				1,261
Lignite.....		10,157				10,157
Total.....		21,342		858		22,200
August—						
Anthracite.....				334		334
Bituminous.....		17,973		708	207	18,888
Sub-bituminous.....		2,950				2,950
Lignite.....		19,900				19,900
Total.....		40,823		1,042	207	42,072
September—						
Anthracite.....				630		630
Bituminous.....		13,598		571		14,169
Sub-bituminous.....		6,540				6,540
Lignite.....		52,229		129		52,358
Total.....		72,367		1,330		73,697
October—						
Anthracite.....				763		763
Bituminous.....		18,167	15	719	1,026	19,897
Sub-bituminous.....		9,613				9,613
Lignite.....	928	68,709	258			69,439
Total.....	928	96,549	273	1,482	1,026	99,712
November—						
Anthracite.....				486		486
Bituminous.....		20,421	6	1,172		21,587
Sub-bituminous.....		8,765				8,765
Lignite.....	1,105	77,281	318	40		78,108
Total.....	1,105	106,467	324	1,698		108,946
December—						
Anthracite.....				419		419
Bituminous.....		27,420	30	747	273	28,410
Sub-bituminous.....		9,616				9,616
Lignite.....	761	105,695	452	2		106,006
Total.....	761	142,731	482	1,168	273	144,451
Total—						
Anthracite.....				6,086		6,086
Bituminous.....		213,654	51	10,597	1,506	225,106
Sub-bituminous.....		70,980				70,980
Lignite.....	4,113	586,512	1,383	253		589,495
Total.....	4,113	870,546	1,434	16,936	1,506	891,667

Table 90.—Employment and Earnings in the Coal Mines of Manitoba, 1933 and 1934

	1933	1934
Average number of wage-earners—		
Surface.....	4	4
Underground.....	6	8
Total.....	10	12
Days' work done—		
Surface.....	889	1,074
Underground.....	1,167	2,058
Total.....	2,056	3,132
Average number of days worked per man per year—		
Surface.....	222	268
Underground.....	195	257
By all wage-earners.....	206	261
Total wages paid.....	\$ 4,318	\$ 6,364

Table 91.—Wage-Earners Employed and Work Done, by Months, in the Coal Mines of Manitoba, in 1933 and 1934

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1933						
January.....	9	16	25	190	338	528
February.....	8	14	22	156	268	424
March.....	4	10	14	20	138	158
September.....	6	4	10	54	40	94
October.....	8	4	12	144	40	184
November.....	10	9	19	195	117	312
December.....	7	12	19	130	226	356
Total.....				889	1,167	2,056
1934						
January.....	10	19	29	237	456	693
February.....	8	14	22	138	247	385
March.....	5	8	13	94	148	242
October.....	7	11	18	174	274	448
November.....	9	19	28	230	486	716
December.....	9	20	29	201	447	648
Total.....				1,074	2,058	3,132

CHAPTER EIGHT

SASKATCHEWAN

The output of coal in Saskatchewan showed a considerable advance from 1930 to 1933; in the former year 579,424 tons were mined while in the latter, 927,649 tons were produced. During 1934, however, a decline of 2 per cent from the 1933 total was recorded; the year's output was 909,288 tons.

Saskatchewan mines in operation during the year produced 64 per cent of their possible output; lack of orders accounted for 35.8 per cent of the production loss. Time lost through causes other than strikes accounted for a loss of 91,627 man-days work as against 79,049 man-days in the preceding year.

Shipments of coal from Saskatchewan mines for consumption within the province totalled 469,933 tons; in the previous year 477,209 tons were shipped. An increase of 1.2 per cent was recorded in the tonnage of coal consigned to Manitoba; the 1934 total was 381,213 tons and the 1933 quantity, 376,653 tons. The remainder of the mine shipments were made up of 13,264 tons for railroad use, 2,235 tons shipped to the United States, and 155 tons to Ontario.

Employment in or about the Saskatchewan coal mines showed the usual pronounced seasonal variation in 1934; in January 1,273 men were on the payrolls but a sharp decline was recorded in the following five months. In July, 399 men were employed while in September, 1,094 men were engaged; the maximum for the year was reached in October when 1,408 men were on the mine payrolls. The year closed with 1,225 men employed. On the average, 932 employees were working in or about the Saskatchewan coal mines in 1934; salaries and wages paid during the year totalled \$639,964. In 1933 there were 942 employees and salaries and wages amounted to \$676,844. Wage-earners averaged 201 days work during 1934 at a computed average daily rate of \$3.07.

Table 92.—Output of Coal from Saskatchewan Mines, 1887-1934

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1887.....	(a) 400	800	1904.....	124,885	187,021	*1921.....	335,632	823,180
1888.....			1905.....	107,596	152,334	*1922.....	382,437	802,053
1889.....			1906.....	108,398	164,146	*1923.....	438,100	858,448
1890.....	200	200	1907.....	151,232	252,437	*1924.....	479,118	886,668
1891.....			1908.....	150,556	253,790	*1925.....	471,965	870,875
1892.....	5,400	9,325	1909.....	192,125	296,333	*1926.....	439,803	819,805
1893.....	8,325	12,485	1910.....	181,156	293,929	*1927.....	470,216	868,867
1894.....	(b) 15,051	15,153	1911.....	206,779	347,248	*1928.....	471,713	831,491
1895.....	15,769	31,538	1912.....	225,342	368,135	*1929.....	580,189	993,226
1896.....	16,706	25,059	1913.....	212,897	358,192	*1930.....	579,424	968,863
1897.....	25,000	37,500	1914.....	232,299	374,245	*1931.....	662,836	945,259
1898.....	25,000	37,500	1915.....	240,107	365,246	*1932.....	887,139	1,229,440
1899.....	25,000	37,500	1916.....	281,300	441,836	*1933.....	927,649	1,285,996
1900.....	40,500	60,750	1917.....	355,445	662,451	*1934.....	909,288	1,241,130
1901.....	45,000	72,000	1918.....	346,847	722,148			
1902.....	70,400	112,640	*1919.....	379,347	819,390			
1903.....	116,703	169,618	*1920.....	335,222	797,828	Total	12,276,496	28,964,087

(a) From Turtle Mountain district, Manitoba.

(b) Including a small quantity from the Turtle Mountain district, Manitoba.

*For the years 1919-1934 the tonnage shown is the total output from all mines, for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 93.—Output of Coal from Saskatchewan Mines, by Months, 1930-1934

(Short tons)

Month	1930	1931	1932	1933	1934
January.....	78,063	81,308	110,505	130,121	125,695
February.....	50,186	55,094	112,934	119,071	94,922
March.....	47,140	63,088	85,140	71,938	77,281
April.....	25,550	30,420	37,360	34,957	34,206
May.....	20,744	22,521	16,586	20,739	25,740
June.....	20,993	17,970	15,369	19,916	21,421
July.....	20,264	16,347	19,075	18,447	23,575
August.....	21,517	19,527	19,330	26,363	31,109
September.....	42,690	35,130	51,814	67,330	86,167
October.....	91,030	84,518	130,498	146,510	136,636
November.....	81,955	130,998	148,312	129,396	115,787
December.....	79,292	105,915	140,216	142,861	136,749
Total.....	579,424	662,836	887,139	927,649	909,288

Table 94.—Output of Coal by Principal Collieries in Saskatchewan, for 1932-1934
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1932	1933	1934
Banks, H.	Taylorton	3,265	5,567	5,625
Baniulis Bros.	Roche Percee	1,122	6,678	8,722
Bienfait Commercial Co. (formerly National Mines Ltd. and Progressive Mines Ltd.)	Bienfait	22,888	1,320	510
Bienfait Mines, Ltd.	Bienfait	92,902	89,706	88,115
Blue Flame Coal Mines Ltd.	Leukville			2,531
Crescent Collieries, Ltd.	Bienfait	54,476	60,172	60,560
Eastern Collieries of Bienfait, Ltd.	Estevan	66,354	58,762	57,104
Galloway, John	Estevan	1,919	1,541	203
Jenish Bros.	Estevan	5,746	7,547	5,673
Lignite Coal Mines, Ltd. (formerly Canadian Coal Briquettes & Power (Bienfait), Ltd.)	Pinto	6,055	16,662	21,751
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	140,198	130,309	128,604
Matheson & Uhrich	Taylorton	391	2,278	3,170
Moose Jaw Coal Mine Ltd. (formerly Regina Mfg. & Supply Co. and J. Williams)	Regina	1,113	9,025	2,381
Ponge, H. E.	Roche Percee	12,449	18,536	17,091
Shand Coal and Brick Co.	Shand	10,991	25,398	21,815
Sinclair Mine	Roche Percee	2,177	5,050	2,321
Triax Traer Coal Co., Ltd.	Estevan	239,620	249,457	227,556
Western Dominion Collieries, Ltd.	Taylorton	139,575	120,191	121,860
All other operators		85,898	119,450	133,690
Total		887,139	927,649	909,298

Table 95.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1933 and 1934

Year	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1933.....	69	31		30.6		0.0	0.4
1934.....	64	36		35.8		0.2	0.0

Table 96.—Disposition of Coal from Saskatchewan Mines, by Grades, 1933 and 1934

(Short tons)

Disposition	1933					1934						
	Run-of-mine	Lump	Slack	Total		Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total	
				Quantity	Value						Quantity	Value
					\$							\$
Supplied to employees for domestic consumption.....	1,816	2,110	10	3,936	5,819	2,140	243	964	41		3,388	5,131
Shipped as per Table 97.....	210,687	385,777	285,253	881,717	1,247,585	180,424	163,962	130,601	221,850	169,963	866,800	1,201,928
Used under colliery boilers, etc.....	310	256	25,870	26,442	24,828	413	330	93	960	22,008	24,404	23,106
Used in making briquettes.....	953			953	1,161	255		9			264	332
Used by companies' railroads.....	3,058	2,387		5,445	7,404	2,865	4,100				6,965	9,366
Put on bank.....	1,586	510	2,183	4,279	4,296	347	1,230	685	2,061	2,650	6,983	7,021
Put on waste heap.....				9,879							6,731	
Total disposition..	218,416	391,040	313,316	932,651	1,291,033	186,444	169,865	132,362	224,912	195,221	915,535	1,246,884
Lifted from bank.....	1,481	510	3,011	5,002	5,097	319	684	337	1,664	2,753	5,757	5,754
Lifted from waste heap.....											490	
Total output.	216,935	390,530	310,305	927,649	1,285,996	186,125	169,181	132,025	223,248	192,468	909,288	1,241,130

Table 97.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933				1934					
	Run-of-mine	Lump	Slack	Total	Run-of-mine	Cobble	Lump	Nut and other grades	Slack	Total
Saskatchewan.....	157,841	220,230	99,138	477,209	153,731	89,993	65,026	109,075	52,108	463,933
Alberta.....										
British Columbia.....										
Manitoba.....	52,175	163,365	161,113	376,653	24,699	72,509	65,300	112,730	105,885	281,213
Ontario.....		269		269		110		45		155
United States.....	347	190		537	1,836	124	275			2,235
Railroads.....	324	1,723	25,002	27,049	158	1,136			11,970	13,264
Total.....	210,687	385,777	285,253	881,717	180,424	163,962	130,601	221,850	169,963	866,800

Table 98.—Exports of Canadian Coal through Saskatchewan Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Moose Jaw.....	87	133	424	415	1,053
North Portal.....	5,658	2,073	2,072	3,148	2,629
Regina.....	330	36	312	150	272
Total.....	6,075	2,242	2,808	3,713	3,954

Table 99.—Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933				1934						
		Anthracite	Lignite	Bituminous, all grades	Total	Anthracite				Lignite	Bituminous, all grades	Total
						Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total			
Moose Jaw.....	U.S.....	25	51	258	334					42	163	205
North Portal.....	U.S.....		266	156	422						63	63
Prince Albert.....	U.S.....	32		100	132						98	98
Regina.....	U.S.....			157	157						181	181
	G.B.....			101	101						112	112
Saskatoon.....	U.S.....			555	555						618	618
Total.....	U.S.....	57	317	1,226	1,600					42	1,123	1,165
	G.B.....			101	101						112	112
Grand Total.....		57	317	1,327	1,701					42	1,235	1,277

*The total tonnage received at Saskatchewan ports of entry. See page 4, section 2, for explanation.

Table 100.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Saskatchewan, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
January—							
Anthracite.....				1			10,420
Bituminous.....		10,421					1,556
Sub-bituminous.....		1,556					192,917
Lignite.....	125,095	123,281	55,362	697			
Total.....	125,095	135,258	55,362	698			204,893
February—							
Anthracite.....							6,911
Bituminous.....		6,911					414
Sub-bituminous.....		414					118,659
Lignite.....	94,922	71,992	48,208	47			
Total.....	94,922	79,317	48,208	47			125,984
March—							
Bituminous.....		5,613			139		5,752
Sub-bituminous.....		1,037					1,037
Lignite.....	77,281	61,861	36,371	125			102,646
Total.....	77,281	68,511	36,371	125	139		109,435
April—							
Bituminous.....		5,033			187		5,220
Sub-bituminous.....		196					196
Lignite.....	34,206	25,890	15,620	46			44,430
Total.....	34,206	31,119	15,620	46	187		49,846
May—							
Anthracite.....				1	211		4,965
Bituminous.....		4,755					473
Sub-bituminous.....		473					34,205
Lignite.....	25,740	19,365	10,823	91	14		
Total.....	25,740	24,593	10,823	92	225		39,643
June—							
Bituminous.....		3,093			36		3,129
Sub-bituminous.....		637					637
Lignite.....	21,421	17,500	7,429	43			31,449
Total.....	21,421	21,230	7,429	43	36		35,215
July—							
Anthracite.....					177		3,945
Bituminous.....		3,768					465
Sub-bituminous.....		465					31,463
Lignite.....	23,575	16,301	8,396	17			
Total.....	23,575	20,534	8,396	17	177		35,873
August—							
Bituminous.....		5,649			125	112	5,896
Sub-bituminous.....		509					509
Lignite.....	31,109	47,436	11,772	67			66,706
Total.....	31,109	53,594	11,772	67	125	112	73,101
September—							
Anthracite.....					183		8,634
Bituminous.....		8,451					1,896
Sub-bituminous.....		1,896					196,398
Lignite.....	86,167	140,021	29,627	163			
Total.....	86,167	150,368	29,627	163	183		206,928
October—							
Anthracite.....				2	31		6,597
Bituminous.....		6,568					3,008
Sub-bituminous.....		3,008					252,855
Lignite.....	136,636	154,575	37,145	1,232	21		
Total.....	136,636	164,151	37,145	1,234	52		262,460

Table 100.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Saskatchewan, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Imported from Great Britain	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported			
November—							
Anthracite.....		6,178		17	34		6,195
Bituminous.....		2,247					2,247
Sub-bituminous.....					2		179,949
Lignite.....	115,787	113,312	48,440	712			
Total.....	115,787	121,737	48,440	729	36		188,391
December—							
Anthracite.....				8			8,119
Bituminous.....		8,127					1,727
Sub-bituminous.....		1,727			5		185,397
Lignite.....	136,749	121,503	72,175	685			
Total.....	136,749	131,357	72,175	693	5		195,243
Total—							
Anthracite.....				29	1,120	112	75,773
Bituminous.....		74,567					14,165
Sub-bituminous.....		14,165					1,437,074
Lignite.....	909,288	913,037	381,368	3,925	42		
Total.....	909,288	1,001,769	381,368	3,954	1,165	112	1,527,912

Table 101.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1933 and 1934

	1933	1934
Number of Salaried employees—		
Male.....	44	44
Female.....	7	6
Number of Wage-earners—		
Surface.....	267	263
Underground.....	624	619
Total.....	942	932
Salaries and wages—		
Salaries.....	\$ 98,629	\$ 93,787
Wages.....	\$ 578,215	\$ 546,177
Total.....	\$ 676,844	\$ 639,964

Table 102.—Employment and Earnings in the Coal Mines of Saskatchewan, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	140	166	224	267	263
Underground.....	389	372	524	624	619
Total.....	529	538	748	891	882
Days' work done—					
Surface.....	29,145	32,398	47,044	56,964	52,752
Underground.....	79,157	73,312	117,132	135,079	124,877
Total.....	108,302	105,710	164,176	192,043	177,629
Average number of days worked per man per year—					
Surface.....	208	195	210	213	200
Underground.....	203	197	223	216	202
By all wage-earners.....	205	196	219	216	201
Total wages paid.....	\$ 449,669	\$ 404,432	\$ 524,212	\$ 678,215	\$ 546,177

Table 103.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Saskatchewan in 1934

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	357	916	1,273	7,126	17,725	24,851
February.....	319	825	1,144	5,032	13,143	18,175
March.....	250	659	909	4,092	10,924	15,016
April.....	174	333	507	1,774	3,918	5,692
May.....	152	256	408	1,760	2,701	4,461
June.....	144	246	390	1,518	2,208	3,726
July.....	154	245	399	1,783	2,501	4,284
August.....	176	331	507	2,325	4,125	6,450
September.....	319	775	1,094	5,652	13,639	19,291
October.....	405	1,003	1,408	7,882	20,127	28,009
November.....	362	957	1,319	6,774	16,856	23,630
December.....	340	885	1,225	7,034	17,010	24,044
Total.....				52,752	124,877	177,629

Table 104.—Wage-Earners in the Coal Mines of Saskatchewan, by Classes, 1933 and 1934

Classification	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	9		9	10		10
Foremen and clerks.....	47	42	89	42	34	76
Officials.....						
Screenmen and loaders.....	91		91	87		87
Stripping shovel operators.....	4		4	4		4
Hand cutters and helpers.....		396	396		412	412
Machine cutters.....		33	33		31	31
Machine loaders and helpers.....		29	29		28	28
Horse haulage employees.....	11	54	65	8	55	63
Mechanical haulage employees.....	15	10	25	15	11	26
Ventilation employees.....		5	5		4	4
Roadmakers.....	1	17	18		13	13
Timbermen.....		10	10		9	9
Pumpmen.....		7	7		5	5
Loading shovel.....	8		8	7		7
Cleaning shovel.....				2		2
Enginemen.....	11		11	12		12
Firemen.....	12		12	14		14
Mechanists.....	5		5	5		5
Carpenters and masons.....	7		7	4		4
Other mechanics.....	5		5	7		7
All other employees.....	41	21	62	46	17	63
Total.....	267	624	891	263	619	882

Table 105.—Capital Employed in the Coal Mines of Saskatchewan, 1933 and 1934

	1933	1934
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	4,892,884	4,818,248
Cost of supplies and stock on hand.....	75,362	123,981
Cash, trading and operating accounts and bills receivable.....	252,917	240,473
Total.....	5,211,163	5,182,702

CHAPTER NINE

ALBERTA

Coal production in Alberta in 1934 amounted to 4,753,810 tons as compared with 4,718,788 tons in 1933. The output of bituminous coal in 1934 advanced 11 per cent to 1,915,800 tons, on the other hand, sub-bituminous production declined 3 per cent to 537,508 tons and lignite, 5·7 per cent to 2,300,502 tons.

Coal mines active in 1934 produced 62 per cent of their possible output; in the preceding year the active mines were operated at 61 per cent of their capacity. Causes other than strikes were responsible for an output loss of 2,956,338 tons in 1934. The computed production loss due to strikes was 16,432 tons.

Shipments of Alberta coal for railroad use amounted to 1,688,407 tons or 39·1 per cent of the total mine shipments. A decline of 2·9 per cent was recorded in the tonnage of coal shipped from the mines for consumption within the province; the 1934 total was 1,053,383 tons as against 1,084,845 tons a year ago. Sales to Saskatchewan users were off 6·1 per cent to 993,296 tons. The Manitoba market absorbed 391,317 tons as compared with 452,952 tons in 1933. Shipments to British Columbia advanced to 123,968 tons from the 1933 total of 116,723 tons. Other shipments from the mines included 55,825 tons to Ontario and 13,925 tons to the United States.

Sales of Alberta coal to retail coal dealers consisted of 121,077 tons of run of mine, 927,750 tons of lump, 195,644 tons of egg, 124,562 tons of nut, 26,422 tons of pea, and 208,281 tons of slack. Shipments direct from the mines to domestic consumers and to employees totalled 494,508 tons.

Approximately 80 per cent of Alberta's output was obtained from six coal producing districts, these were: Drumheller, Crowsnest, Mountain Park, Edmonton, Coalspur and Lethbridge. The Crowsnest and Mountain Park coals are classed as bituminous, the Coalspur coal is sub-bituminous, and the Drumheller, Edmonton and Lethbridge coals are lignite.

Alberta's coal mines furnished employment to 9,534 men in January; during the following six months there was a steady decline in the number employed. In the succeeding months a gradual recovery was noted and in November the maximum for the year of 9,846 was reached. The average number of wage-earners employed in 1934 was 7,839 as compared with 7,971 in the preceding year. Wages paid in 1934 amounted to \$6,895,136. There were, in addition, 554 salaried employees who received \$1,174,269 in 1934.

Table 106.—Output of Coal from Alberta Mines, 1886-1934

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1886.....	43,220	81,112	1903.....	495,893	1,117,541	*1920.....	6,907,765	30,186,933
1887.....	74,152	157,577	1904.....	661,732	1,404,524	*1921.....	5,909,217	27,240,514
1888.....	115,124	183,354	1905.....	931,917	1,993,915	*1922.....	5,990,911	24,351,913
1889.....	97,364	179,640	1906.....	1,240,360	2,614,762	*1923.....	6,854,397	28,018,303
1890.....	128,753	198,298	1907.....	1,591,579	3,836,286	*1924.....	5,189,729	18,884,318
1891.....	174,131	437,243	1908.....	1,685,661	4,127,311	*1925.....	5,869,031	20,021,484
1892.....	178,970	460,605	1909.....	1,994,741	4,838,109	*1926.....	6,503,705	20,886,103
1893.....	230,070	586,260	1910.....	2,894,469	7,065,739	*1927.....	6,934,162	21,982,058
1894.....	184,940	473,827	1911.....	1,511,036	3,979,264	*1928.....	7,336,330	23,532,414
1895.....	169,885	382,526	1912.....	3,240,577	8,113,525	*1929.....	7,150,693	22,928,182
1896.....	209,162	581,832	1913.....	4,014,755	10,418,941	*1930.....	5,755,528	18,063,225
1897.....	242,163	630,408	1914.....	3,683,015	9,350,392	*1931.....	4,564,015	13,342,675
1898.....	315,088	787,720	1915.....	3,360,818	8,283,079	*1932.....	4,870,648	13,526,309
1899.....	309,600	774,000	1916.....	4,559,051	11,386,577	*1933.....	4,718,788	12,307,258
1900.....	311,450	778,625	1917.....	4,730,368	14,153,685	*1934.....	4,753,810	12,556,099
1901.....	340,275	850,687	1918.....	5,072,816	20,537,287			
1902.....	402,819	960,601	*1919.....	4,933,660	18,205,205	Total....	149,359,346	447,764,242

*For the years 1910-1934 the tonnage shown is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by the operators.

Table 107.—Output of Coal from Alberta Mines, by Months, 1930-1934

(Short tons)

Month	1930	1931	1932	1933	1934
January.....	791,019	471,591	533,481	478,445	554,673
February.....	448,488	336,502	569,038	498,571	362,298
March.....	400,098	387,512	410,541	348,742	374,196
April.....	270,679	273,615	252,965	245,912	250,771
May.....	300,745	276,571	196,979	216,098	247,339
June.....	355,055	236,010	232,854	220,517	239,781
July.....	322,281	267,268	197,158	197,522	248,117
August.....	399,708	261,616	265,196	290,808	300,939
September.....	559,071	423,541	431,159	436,688	478,862
October.....	776,172	502,641	654,704	622,504	587,432
November.....	589,131	617,716	577,391	535,564	552,113
December.....	543,081	509,432	549,152	626,517	557,289
Total.....	5,755,528	4,564,015	4,870,648	4,718,788	4,753,810

Table 108.—Output of Coal by Districts, in Alberta, 1932-1934

(Short tons)

District	1932	1933	1934
BITUMINOUS—			
Cascade.....	169,328	124,308	161,869
Crowsnest.....	714,356	876,402	991,288
Mountain Park.....	712,361	584,431	623,236
Nordegg.....	138,660	141,115	139,407
Total bituminous.....	1,734,705	1,726,256	1,915,800
SUB-BITUMINOUS—			
Coalspur.....	452,536	427,486	410,107
Pekisko.....	1,542	1,643	2,871
Pincher.....	2,790	1,978	1,817
Prairie Creek.....	68,127	84,676	88,229
Saunders.....	35,907	38,335	34,484
Total sub-bituminous.....	560,902	554,118	537,508
LIGNITE—			
Ardley.....	18,463	20,951	21,568
Big Valley.....	4,698	4,407	3,125
Brooks.....	6,623	6,870	7,610
Camrose.....	42,356	37,394	38,558
Carbon.....	88,394	100,525	88,000
Castor.....	37,118	34,298	33,065
Champion.....	17,321	20,497	19,421
Drumheller.....	1,245,673	1,112,277	1,063,649
Edmonton.....	452,814	478,225	451,950
Gleichen.....	5,058	4,662	6,700
Halcourt.....	2,163	2,894	3,028
Lethbridge.....	387,147	337,008	313,048
Mngrath.....	1,786	2,006	2,039
Milk River.....	4,091	5,202	4,937
Pakan.....	196		
Pakowki.....	2,717	2,879	2,187
Pembina.....	99,101	101,726	70,912
Redcliff.....	24,064	32,299	45,939
Rochester.....	358	1,214	1,033
Sexsmith.....			
Sheerness.....	24,530	28,353	69,492
Stevenville.....	130	115	
Taber.....	14,389	16,049	10,597
Tatfield.....	95,647	88,213	66,191
Wetaskiwin.....	190	171	58
Whitecourt.....	8	38	
Area not designated.....		141	1,395
Total lignite.....	2,575,041	2,438,414	2,300,502
Total Alberta.....	4,870,648	4,718,788	4,753,810

*Includes a small quantity of anthracite coal.

Table 109.—Output of Coal by Principal Collieries in Alberta, 1932-1934
(Average of 500 tons or more per month)

(Short tons)

Name and address	1932	1933	1934
Bituminous			
CASCADE DISTRICT—			
Canmore Coal Co., Ltd., Canmore.....	168,393	123,218	160,742
All other operators*.....	935	1,000	1,127
Total.....	169,328	124,308	161,869
CROWSNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest.....	172,484	127,774	143,720
International Coal and Coke Co., Ltd., Coleman.....	138,298	214,886	246,857
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	148,500	149,789	187,193
Mohawk Bituminous Mines, Ltd., Bellevue.....	84,710	60,603	59,183
West Canadian Collieries, Ltd., Blairmore.....	167,109	319,613	351,165
All other operators.....	3,156	3,737	3,170
Total.....	714,356	876,402	991,288
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office)...	337,497	292,112	324,531
Luscar Collieries, Ltd., Edmonton.....	187,375	125,677	116,980
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton.....	185,802	166,642	181,725
All other operators.....	1,687		
Total.....	712,361	584,431	623,236
NORDEGG DISTRICT—			
Brazeau Collieries Ltd., Nordegg.....	138,660	141,115	139,407
Total.....	138,660	141,115	139,407
Total bituminous.....	1,734,705	1,726,256	1,915,800
Sub-Bituminous			
COALSPUR DISTRICT—			
Bryan Coal Co., Ltd., Edmonton.....	17,180	12,971	13,165
Coal Valley Mining Co., Ltd., Edmonton.....	184,856	164,363	163,106
Foothills Collieries, Ltd., Foothills.....	45,596	45,417	45,170
Lakeside Coal Ltd., Edmonton.....	26,698	37,199	29,465
McLeod River Hard Coal Co., Ltd., Mercoal.....	24,733	22,291	20,253
Sterling Collieries Ltd., Edmonton.....	153,410	145,162	138,948
All other operators.....	63	83	
Total.....	452,536	427,486	410,107
PEKISKO DISTRICT.....	1,542	1,643	2,871
PINCHER DISTRICT.....	2,790	1,978	1,817
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton.....	46,046	65,955	71,007
Jasper Coal Co., Ltd., Edmonton.....	22,081	18,721	17,222
Total.....	68,127	84,676	88,229
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo.....	18,418	23,131	19,546
Bighorn and Saunders Creek Collieries, Ltd., Saunders.....	17,489	15,204	14,938
Total.....	35,907	38,335	34,484
Total sub-bituminous.....	560,902	554,118	537,508
Lignite			
ARDLEY DISTRICT—			
Super Heat Coal Co., Ardley.....	10,642	12,343	14,192
All other operators.....	7,821	8,608	7,376
Total.....	18,463	20,951	21,568
BIG VALLEY DISTRICT.....	4,698	4,407	3,125
BROOKS DISTRICT—			
Kleenbira Collieries Ltd., Eyremore.....	4,944	5,617	7,020
Larson, J. L., Wheat Centre.....	1,507	834	
All other operators.....	172	419	590
Total.....	6,623	6,870	7,610

*Anthracite coal produced by Frank Wheatley and Sons.

Table 109.—Output of Coal by Principal Collieries in Alberta, 1932-1934
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1932	1933	1934
Lignite—Continued			
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant.....	27,894	23,327	23,991
Stoney Creek Collieries, Ltd., Camrose.....	7,823	7,480	6,924
All other operators.....	6,639	6,587	7,643
Total.....	42,356	37,394	38,558
CARBON DISTRICT—			
Balogh Coal Co., Ltd., Carbon.....	8,620	9,315	7,322
Canadian Dinant Coal Co., Three Hills.....	15,966	19,470	18,470
Ogilthunt, J. H., Carbon.....	16,881	22,047	18,304
Peerless Carbon Collieries, Carbon.....	37,557	35,773	30,774
All other operators.....	9,370	13,920	13,130
Total.....	88,394	100,525	88,000
CASTOR DISTRICT.....	37,118	34,298	33,065
CHAMPION DISTRICT.....	17,321	20,497	19,421
DRUMBELLER DISTRICT—			
Aetna Coal Co., Ltd., East Coulee.....	45,580	30,231	17,732
Alberta Block Coal Co., Ltd., Drumbeller.....	10,736	12,446	38,286
Atlas Coal Co., Ltd., East Coulee.....	110,034	99,252	91,775
Brilliant Coal Co., Ltd., Drumbeller.....	12,585	29,920	35,712
Elgin Coal Co., Ltd., Drumbeller.....	5,596	2,448	17,942
Empire Collieries, Ltd. (formerly Arcadia Coal Co.), East Coulee.....	90,071	81,410	67,665
Great West Coal Co., Ltd. (Star Mine), Aerial.....	52,993	57,336	52,418
Hy-Grade Coal Co. of Drumbeller, Ltd., Drumbeller.....	61,615	36,927	.....
Hy-Grade Coal Co., Ltd. (formerly Fireside Coal Co., Ltd.), Drumbeller.....	.....	3,249	49,345
Ideal Coal Co., Ltd., Wayne.....	27,156	41,838	46,340
Jewel Collieries, Ltd., Wayne.....	53,953	61,591	60,827
Maple Leaf Minerals Ltd., Drumbeller.....	57,302	31,537	19,012
Midland Coal Mining Co., Ltd., Midlandvale.....	156,615	135,937	143,506
Minute Coal Co., Drumbeller.....	4,192	5,026	3,678
Murray Collieries, Ltd., East Coulee.....	78,446	80,310	58,736
Mutual Supplies Ltd. (formerly The Excelsior Collieries Ltd.), Wayne.....	30,919	13,520	14,913
Newcastle Coal Co., Ltd., Drumbeller.....	84,214	78,360	56,458
Red Deer Valley Coal Co., Ltd. (formerly The Thomas Coal Co., Ltd.), Drumbeller.....	83,625	76,597	56,723
Rosedale Coal Co., Ltd., Rosedale.....	78,225	57,194	82,466
Rose Deer Coal Mining Co., Ltd., Wayne.....	68,589	47,378	.....
Sovereign Coal Mining Co., Ltd., Wayne.....	31,394	30,017	9,488
Superior Grade Coal Co., Ltd., Wayne.....	22,253	12,684	16,132
Western Gem Coal Co., Ltd., Drumbeller.....	74,302	77,820	85,055
All other operators.....	5,278	0,249	9,440
Total.....	1,245,673	1,112,277	1,033,649
EDMONTON DISTRICT—			
Beverly Coal Co., Ltd., Edmonton.....	23,919	50,326	39,546
Bush Mines, Ltd., Edmonton.....	41,266	42,049	38,792
Dawson Coal Co., Ltd., Edmonton.....	16,437	18,897	22,780
Edina Coal Co., Ltd. (formerly Premier Coal Co., Ltd.), Edmonton.....	15,732	23,417	26,091
Fridel Red Hot Coal Co., Edmonton.....	7,513	5,347	4,744
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton.....	48,635	49,606	47,494
Gibb, W. E., Edmonton.....	25,691	21,417	13,411
Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton.....	84,474	79,079	73,980
Keith and Fulton Coal Co., Edmonton.....	4,874	4,709	3,926
Kent Coal Co., Ltd., Edmonton.....	.....	1,119	30,182
McDonnell & O'William, Nainao.....	6,098	11,169	6,106
Marcus Coal Mines, Ltd., Edmonton.....	52,674	52,816	49,746
Ottewell Coal Co., Clover Bar.....	21,502	12,727	14,179
Penn. Coals Ltd., Edmonton.....	55,653	61,278	38,030
Parker, L., Cardiff.....	6,539	5,253	6,052
Sinoski, M., Strathcona.....	7,474	5,715	4,988
All other operators.....	34,333	33,121	31,897
Total.....	452,814	478,228	451,950

Table 109.—Output of Coal by Principal Collieries in Alberta, 1932-1934
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1932	1933	1934
Lignite—Continued			
GLEICHEN DISTRICT.....	5,058	4,662	6,700
HALCOURT DISTRICT.....	2,163	2,894	3,028
LETHBRIDGE DISTRICT—			
Canadian Pacific Railway Co., Dept. of Natural Resources, Calgary.....	167,565	145,917	131,062
City of Lethbridge Coal Mines, Lethbridge.....	13,118	13,056	12,778
Cudillue Coal Co., Ltd., Lethbridge.....	99,470	77,673	65,045
Lund, Nelson & Degaust, Lethbridge.....	4,537	5,017	6,478
Rollingson, J., Lethbridge.....	2,488	5,178	7,291
Royal Lethbridge Collieries, Lethbridge.....	11,042	12,948	12,846
Royalties Oil & Share Corp. Ltd. (formerly Coal Producers Ltd.), Calgary.....	79,408	67,291	67,024
All other operators.....	9,519	9,928	9,924
Total.....	387,147	337,008	313,048
MAGRATH DISTRICT.....	1,786	2,006	2,039
MILK RIVER DISTRICT.....	4,091	5,202	4,937
PAKAN DISTRICT.....	196		
PAKOWKI DISTRICT.....	2,717	2,879	2,187
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton.....	34,158	50,666	27,572
Royalties Oil & Share Corp. Ltd. (formerly Coal Producers Ltd.), Calgary.....	64,867	50,706	43,170
All other operators.....	76	354	170
Total.....	99,101	101,726	70,912
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd. (formerly Redcliff Brick and Coal Co., Ltd.), Redcliff.....	12,900	21,499	28,066
Oliphant, John, Medicine Hat.....	11,148	10,771	17,873
All other operators.....	16	29	
Total.....	24,064	32,299	45,939
ROCHESTER DISTRICT.....	358	1,214	1,033
SEXSMITH DISTRICT.....			
SHEERNESS DISTRICT—			
Chinook Coal Co. Ltd., Sheerness.....	4,810	5,098	30,724
Leavell Coal Co. Ltd. (formerly J. Warnebolt), Sheerness.....	5,279	6,768	22,564
All other operators.....	14,441	16,487	16,204
Total.....	24,530	28,353	69,492
SLAVE LAKE DISTRICT.....			
STEEVEVILLE DISTRICT.....	136	115	
TABER DISTRICT.....			
Empire Collieries Ltd., Calgary.....	785	4,602	5,754
All other operators.....	13,604	11,447	10,843
Total.....	14,389	16,049	16,597
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield.....	87,105	74,780	54,008
Tre lway Bros. (formerly Dodds Coal Co. Ltd.), Dodds.....	2,259	9,870	8,060
All other operators.....	6,283	3,563	4,033
Total.....	95,647	88,213	66,101

Table 109.—Output of Coal by Principal Collieries in Alberta, 1932-1934
(Average of 500 tons or more per month)—Concluded

(Short tons)

Name and address	1932	1933	1934
Lignite—Concluded			
WETASKIWIN DISTRICT.....	190	171	58
WHITECOURT DISTRICT.....	8	38	.....
Area not designated.....	.....	141	1,395
Total lignite.....	2,575,041	2,438,414	2,300,502
Total Alberta.....	4,870,648	4,718,788	4,753,810

Table 110.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1933 and 1934

District	Per cent produced		Per cent lost		Percentage lost through									
					Absentee-ism		Lack of orders		Car shortage		Mine disability		Other causes	
	1933	1934	1933	1934	1933	1934	1933	1934	1933	1934	1933	1934	1933	1934
BITUMINOUS—														
Casende.....	51	61	49	39	1.4	2.2	47.6	36.8	.....	.....	.....	.....	.....	.....
Crowsnest.....	57	62	43	38	.....	.....	43.0	38.0	.....	.....	.....	.....	.....	.....
Mountain Park.....	73	76	27	24	.....	.....	26.9	24.0	.....	.....	.....	.....	0.1	.....
Nordegg.....	59	56	41	44	.....	.....	41.0	44.0	.....	.....	.....	.....	.....	.....
Total bituminous.....	61	64	39	36	0.1	0.1	38.9	35.9	.....	.....	.....	.....	.....	.....
SUB-BITUMINOUS—														
Coulspar.....	85	82	15	18	.....	0.1	14.8	17.9	.....	.....	0.1	.....	0.1	.....
Pekisko.....	44	40	56	60	.....	0.4	54.3	59.4	.....	.....	.....	.....	1.7	0.2
Pincher.....	49	55	51	45	.....	.....	51.0	44.6	.....	.....	.....	0.4	.....	.....
Prairie Creek.....	69	74	31	26	1.0	0.1	29.4	25.6	0.6	.....	.....	.....	.....	0.3
Saunders.....	58	64	42	36	.....	.....	42.0	35.2	.....	.....	.....	.....	.....	0.8
Total sub-bituminous.....	79	63	21	37	0.2	0.1	20.5	36.5	0.1	0.0	0.1	0.1	0.1	0.3
LIGNITE—														
Ardley.....	62	58	38	42	.....	.....	35.5	40.6	.....	.....	1.7	.....	0.8	1.4
Big Valley.....	48	45	52	55	.....	.....	52.0	55.0	.....	.....	.....	.....	.....	.....
Brooks.....	61	69	39	31	.....	.....	39.0	31.0	.....	.....	.....	.....	.....	.....
Camrose.....	97	66	33	34	.....	.....	33.0	34.0	.....	.....	.....	.....	.....	.....
Carbon.....	55	47	45	53	.....	.....	45.0	52.5	.....	.....	.....	0.4	.....	0.1
Castor.....	57	50	43	44	0.1	0.2	42.4	43.6	.....	.....	.....	0.2	0.5	.....
Champion.....	72	64	28	36	0.6	1.2	27.4	34.6	.....	.....	.....	0.1	.....	0.1
Drumheller.....	57	54	43	46	.....	.....	43.0	45.5	.....	.....	.....	.....	.....	0.5
Edmonton.....	68	64	32	36	1.0	1.0	30.4	34.9	.....	.....	.....	.....	0.6	0.1
Gleichen.....	68	77	32	23	.....	.....	31.5	22.1	.....	.....	0.5	.....	.....	0.9
Halcourt.....	73	61	27	39	.....	0.3	27.0	38.0	.....	.....	.....	.....	.....	0.7
Lethbridge.....	48	48	52	52	0.2	0.2	50.6	51.6	.....	.....	0.2	0.1	1.0	0.1
Magrath.....	65	69	35	31	.....	.....	33.3	29.5	.....	.....	1.7	0.9	.....	0.6
Milk River.....	63	49	37	51	0.1	.....	35.4	51.0	.....	.....	1.5	.....	.....	.....
Pakan.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pakowski.....	46	47	54	53	.....	.....	54.0	53.0	.....	.....	.....	.....	.....	.....
Pembina.....	70	58	30	42	0.2	.....	20.8	42.0	.....	.....	.....	.....	.....	.....
Redcliff.....	65	64	35	36	.....	.....	35.0	33.7	.....	.....	.....	1.6	.....	0.7
Rochester.....	63	67	37	33	.....	.....	29.7	30.6	.....	.....	4.4	2.0	2.9	0.4
Sexsmith.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheerness.....	53	72	47	28	0.1	.....	45.7	28.0	.....	.....	0.6	.....	0.6	.....
Stevieville.....	54	.....	46	.....	.....	.....	46.0	.....	.....	.....	.....	.....	.....	.....
Taber.....	58	53	42	47	0.6	.....	42.0	46.7	.....	.....	.....	0.2	.....	0.1
Tofield.....	84	81	16	19	.....	.....	16.0	19.0	.....	.....	.....	.....	.....	.....
Wetaskiwin.....	36	25	64	75	.....	.....	52.8	75.0	.....	.....	.....	.....	11.2	.....
Whitcourt.....	24	.....	76	.....	.....	.....	76.0	.....	.....	.....	.....	.....	.....	.....
Area not designated.....	89	71	11	29	.....	0.7	.....	24.2	.....	.....	.....	.....	11	4.1
Total lignite.....	59	59	41	41	0.2	0.3	40.5	39.9	0.0	0.0	0.1	0.3	0.2	0.5
Total Alberta.....	61	62	39	38	0.3	0.1	33.4	37.9	0.0	0.0	0.0	0.0	0.3	0.0

Table 111.—Total Disposition of Coal from Alberta Mines, by Grades, 1933 and 1934

(Short tons)

	1933		1934					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	40,098	98,042	16,801	15,280	3,369	41	35,491	88,320
Coal shipped as per Table 115.....	4,266,885	11,581,006	1,960,748	1,228,959	559,008	571,406	4,320,121	11,769,165
Used under colliery boilers.....	181,636	346,434	81,386	2,566	6,245	84,979	175,176	343,601
Used by companies' railroads.....	5,995	13,282	6,678		406		7,094	15,619
Used in making coke at colliery.....	75,276	227,111				91,745	91,745	284,411
Used in making briquettes.....	14,933	48,539				14,764	14,764	47,991
Put on bank.....	38,191	95,369	27,909	8,700	4,690	9,906	51,205	154,607
Put on waste heap.....	137,335						115,181	
Total disposition.....	4,760,319	12,403,783	2,093,522	1,255,505	573,718	772,841	4,810,767	12,694,684
Lifted from bank.....		96,525	23,981	8,481	5,024	14,910	52,401	138,585
Lifted from waste heap.....		4,819					4,556	
Total output.....	4,718,788	12,307,258	2,069,536	1,247,024	568,694	757,931	4,753,810	12,556,099

Table 112.—Disposition of Bituminous Coal from Alberta Mines, 1933 and 1934

(Short tons)

	1933		1934					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	16,820	41,244	14,092	2,183		22	16,297	40,606
Coal shipped as per Table 116.....	1,522,590	4,901,625	1,450,445	10,791	13,564	212,824	1,687,624	5,487,242
Used under colliery boilers.....	76,447	219,984	64,298			18,165	82,463	237,455
Used by companies' railroads.....	801	2,667	992				992	3,339
Used in making coke at colliery.....	75,276	227,111				91,745	91,745	284,411
Used in making briquettes.....	14,933	48,539				14,764	14,764	47,991
Put on bank.....	17,064	57,496	27,250	20	30	2,577	29,877	105,506
Put on waste heap.....	21,888						19,170	
Total disposition.....	1,715,849	5,498,666	1,557,077	12,994	13,594	340,097	1,942,932	6,205,750
Lifted from bank.....		63,010	23,747	25	61	2,777	26,610	89,237
Lifted from waste heap.....		1,246					522	
Total output.....	1,726,256	5,435,656	1,533,330	12,969	13,533	337,320	1,915,800	6,116,513

Table 113.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1933 and 1934

(Short tons)

	1933		1934					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	2,181	6,442	1,451	240	287	1	1,929	6,047
Coal shipped as per Table 117.....	423,871	1,205,432	244,890	82,007	70,206	27,634	424,737	1,189,983
Used under colliery boilers.....	30,643	52,734	16,774	181	1,247	10,164	28,366	50,020
Used by companies' railroads.....	4,258	8,516	4,753				4,533	9,506
Put on bank.....	2,429	7,430	272	302	385	311	1,270	3,553
Put on waste heap.....	93,099						77,444	
Total disposition.....	536,481	1,280,554	268,140	82,730	72,125	38,110	538,549	1,259,109
Lifted from bank.....		6,537	89	187	272	493	1,041	2,173
Total output.....	534,118	1,274,017	268,051	82,543	71,853	37,617	537,598	1,256,936

Table 114.—Disposition of Lignite Coal from Alberta Mines, 1933 and 1934

(Short tons)

	1933		1934					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption	21,047	50,356	1,258	12,857	3,082	18	17,215	42,267
Coal shipped as per Table 118	2,320,424	5,473,949	265,413	1,136,161	475,238	330,948	2,207,760	5,082,880
Used under colliery boilers	74,546	67,716	314	2,385	4,998	56,650	64,347	56,126
Used by companies' railroads	936	2,099	933		406		1,339	2,804
Put on bank	18,698	30,443	387	8,378	4,275	7,018	20,658	45,748
Put on waste heap	22,368						18,567	
Total disposition	2,458,019	5,624,563	268,305	1,159,781	487,999	394,634	2,329,286	5,229,825
Lifted from bank	16,632	26,978	150	8,269	4,691	11,640	21,750	47,175
Lifted from waste heap	3,573						4,034	
Total output	2,438,414	5,597,585	268,155	1,151,512	483,308	382,994	2,300,502	5,182,650

Table 115.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933					1934				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	195,174	422,076	244,235	223,360	1,084,845	189,028	393,045	261,828	209,482	1,053,383
Saskatchewan	116,775	605,959	165,926	169,494	1,058,154	89,645	565,692	180,221	166,738	993,296
British Columbia	2,900	65,152	32,119	16,552	116,723	5,187	52,499	29,559	36,723	123,968
Manitoba	44,237	184,332	65,753	158,630	452,952	39,466	159,431	66,152	128,268	391,317
Ontario	210	28,179	8,608	1,981	38,978	148	43,827	8,963	2,887	55,825
Quebec	97	7,993	32		32					
United States	97	7,993	6,268	4,140	18,498	47	6,005	3,975	3,898	13,925
Railroads	1,447,525	7,734	10,061	31,353	1,496,703	1,646,227	8,460	8,310	25,410	1,688,407
Total	1,806,918	1,321,425	533,002	605,540	4,266,885	1,960,748	1,228,959	559,008	571,406	4,320,121

Table 116.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933					1934				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta	13,778	2,257	1,337	11,091	28,463	14,083	2,299	1,316	3,633	21,331
Saskatchewan	21,001	3,773	1,201	48,698	74,673	13,233	3,027	1,390	48,444	66,094
British Columbia	2,202	905	458	16,158	19,723	4,679	605	1,408	36,207	42,899
Manitoba	15,241	1,662	4,289	122,819	144,011	12,161	1,027	5,210	96,640	115,038
Ontario	99	102	98	1,435	1,734	115	34	322	2,760	3,231
United States	97	311		3,800	4,208	47	195	384	3,678	4,304
Railroads	1,209,197	3,731	8,537	28,313	1,249,778	1,406,127	3,604	3,534	21,462	1,434,727
Total	1,261,615	12,741	15,920	232,314	1,522,590	1,450,445	10,791	13,564	212,824	1,687,624

Table 117.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933					1934				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	3,573	15,703	9,105	8,380	36,761	3,849	13,125	10,550	10,830	38,354
Saskatchewan.....	1,019	10,722	7,728	2,238	21,707	449	6,278	5,907	1,531	14,165
British Columbia.....	521	19,546	12,898	70	33,035	425	13,890	12,810	45	27,170
Northwest Territories.....							31			31
Manitoba.....	322	24,972	26,672	14,290	66,256	34	27,342	32,418	11,186	70,980
Ontario.....	111	12,998	5,639	418	19,166	33	16,485	3,745	94	20,357
United States.....		33			33					
Railroads.....	238,328	4,003	1,524	3,026	246,881	240,100	4,856	4,776	3,948	253,680
Quebec.....			32		32					
Total.....	243,874	87,977	63,598	28,422	423,871	244,890	82,007	70,206	27,634	424,737

Table 118.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1933 and 1934

(Short tons)

Destination	1933					1934				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	177,823	404,116	233,793	203,889	1,019,621	171,096	377,590	249,902	195,019	993,607
Saskatchewan.....	94,755	591,464	156,997	118,558	961,774	66,963	556,387	172,924	116,763	913,037
British Columbia.....	177	44,701	18,763	324	63,965	83	38,004	15,341	471	53,899
Manitoba.....	28,674	157,698	34,792	21,521	242,685	27,271	131,062	28,524	18,442	205,299
Ontario.....		15,079	2,871	128	18,078		27,308	4,896	33	32,237
United States.....		7,649	6,268	340	14,257		5,810	3,591	220	9,621
Railroads.....				44	44					
Total.....	301,429	1,220,707	453,484	344,804	2,320,424	265,413	1,136,161	475,238	330,948	2,207,760

Table 119.—Exports of Canadian Coal through Alberta Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Lethbridge.....	1,321	1,191	996	1,126	1,363
Total.....	1,321	1,191	996	1,126	1,363

Table 120.—Imports into Alberta of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933					1934						
		Anthracite			Bituminous, all grades	Total	Anthracite				Lignite	Bituminous, all grades	Total
		Grate, egg, stove, nut and pea	Screenings or dust and N.O.P.	Total			Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total			
Calgary.....	U.S.....				222	222						224	224
Edmonton.....	U.S.....		75	75	706	781						971	971
Lethbridge.....	U.S.....				70	70					10	107	117
Medicine Hat.....	U.S.....												
Total.....	U.S.....		75	75	998	1,073					10	1,302	1,312

*The total tonnage received at Alberta ports of entry. See page 4, section 2, for explanation.

Table 121.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Alberta, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Bituminous.....	164,580	279	33,600	18	37	131,278
Sub-bituminous.....	65,597		20,746			44,851
Lignite.....	324,496		163,413	80		161,093
Total.....	554,673	279	217,759	98	37	337,132
February—						
Anthracite.....		221			75	106,821
Bituminous.....	127,504		20,954	25		38,920
Sub-bituminous.....	50,419		11,499			84,891
Lignite.....	184,375		99,478	6		230,632
Total.....	362,298	221	131,931	31	75	139,230
March—						
Bituminous.....	158,900	257	20,013	14	100	39,537
Sub-bituminous.....	48,915		9,408			86,292
Lignite.....	166,351		79,081	78		265,059
Total.....	374,166	257	109,402	92	100	127,844
April—						
Bituminous.....	139,574	1,751	13,599	24	142	33,530
Sub-bituminous.....	38,723		5,193			41,010
Lignite.....	72,474		31,459	5		202,384
Total.....	250,771	1,751	50,251	29	142	151,381
May—						
Bituminous.....	163,335	1,609	13,907	1	345	25,977
Sub-bituminous.....	28,501		2,524			29,503
Lignite.....	55,503		26,000			206,861
Total.....	247,339	1,609	42,431	1	345	150,505
June—						
Bituminous.....	161,694	1,314	12,567	4	68	28,337
Sub-bituminous.....	30,056		1,719			26,284
Lignite.....	48,031		21,742	5		205,126
Total.....	239,781	1,314	36,028	9	68	173,454
July—						
Bituminous.....	181,841	1,492	10,061	9	191	19,613
Sub-bituminous.....	22,553		2,940			24,080
Lignite.....	43,723		19,626	17		217,147
Total.....	248,117	1,492	32,627	26	191	164,556
August—						
Bituminous.....	180,362	1,264	17,198	3	131	9,870
Sub-bituminous.....	15,886		6,016			46,859
Lignite.....	104,691		57,807	25		221,285
Total.....	300,939	1,264	81,021	28	131	125,462
September—						
Bituminous.....	141,345	1,494	17,408	8	39	27,127
Sub-bituminous.....	40,426		13,299			122,617
Lignite.....	297,091		174,310	164		275,206
Total.....	478,862	1,494	205,017	172	39	142,002
October—						
Bituminous.....	162,402	507	20,064	43	100	46,307
Sub-bituminous.....	66,769		20,462			155,272
Lignite.....	358,261		202,802	187		344,481
Total.....	587,432	507	243,328	230	100	143,420
November—						
Bituminous.....	164,162	212	20,888	103	37	45,000
Sub-bituminous.....	63,350		18,350			167,301
Lignite.....	324,601		156,972	334	6	355,721
Total.....	552,113	212	196,210	437	43	143,254
December—						
Bituminous.....	170,101	216	27,003	97	37	45,736
Sub-bituminous.....	66,283		20,547			149,914
Lignite.....	320,905		170,882	113	4	338,904
Total.....	557,289	216	218,432	210	41	1,915,800
Total—						
Anthracite.....						
Bituminous.....	1,915,800	10,616	227,262	349	1,302	461,865
Sub-bituminous.....	537,508		132,703			1,095,026
Lignite.....	2,300,302		1,294,472	1,914	10	1,760,167
Total.....	4,753,810	10,616	1,564,437	1,363	1,312	3,199,938

Table 122.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1933

District	Average number of employees				Salaries and wages			
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
BITUMINOUS—								
Cascade.....	23	1	77	220	321	59,865	239,858	299,723
Crownest.....	129	5	423	1,192	1,749	291,885	1,471,345	1,763,230
Mountain Park.....	51	8	210	512	781	137,647	930,142	1,067,789
Nordegg.....	15	1	85	157	258	40,128	236,219	276,347
Total bituminous.....	218	15	795	2,081	3,109	529,525	2,877,564	3,407,089
SUB-BITUMINOUS—								
Coalspur.....	34	3	247	180	464	102,083	507,010	609,093
Pekisko.....			2	5	7		3,060	3,060
Pincher.....			3	6	9		3,368	3,368
Prairie Creek.....	9		36	106	151	17,535	154,270	171,805
Saunders.....	12		27	71	110	24,893	86,098	111,591
Total sub-bituminous..	55	3	315	368	741	144,511	754,406	898,917
LIGNITE—								
Ardley.....	3		9	35	47	3,803	21,377	25,180
Big Valley.....			6	9	15		5,611	5,611
Brooks.....	2		8	4	14	3,000	9,843	12,843
Camrose.....	10	1	16	50	77	14,634	38,238	52,872
Carlton.....	9	1	34	166	210	12,015	127,741	139,756
Castor.....	2		12	69	83	725	41,652	42,377
Champion.....	2		8	56	66	1,514	29,157	30,671
Drumheller.....	102	8	317	1,407	1,834	209,733	1,463,091	1,672,734
Edmonton.....	60	5	126	616	807	81,627	549,741	630,768
Gleichen.....	1		2	12	15	624	6,506	7,130
Halcourt.....	1		1	11	13	600	5,606	6,206
Lethbridge.....	48	5	249	809	1,111	91,347	712,098	803,445
Magrath.....			2	5	7		2,922	2,922
Milk River.....			6	8	14		8,202	8,202
Pakan.....								
Pakowki.....			2	11	13		4,134	4,134
Pembina.....	8		36	66	110	15,943	96,042	111,985
Redcliff.....	4		10	39	53	5,758	31,186	36,944
Rochester.....	1		4	2	7	165	1,539	1,704
Sluerness.....	4		39	29	72	2,365	28,494	30,859
Stevenville.....			1	1	1		150	150
Taber.....			12	35	47		23,217	23,217
Tofield.....	10		66	4	80	31,657	61,706	93,363
Wetaskiwin.....				1	1		300	300
Whitecourt.....				1	1		90	90
Area not designated.....				1	1		275	275
Total lignite.....	267	20	965	3,447	4,699	474,910	3,268,828	3,743,738
Total Alberta.....	540	38	2,075	5,896	8,549	1,148,946	6,000,798	8,049,744

Table 123.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1934

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
BITUMINOUS—								
Cascade.....	20	1	75	208	304	55,317	304,883	360,200
Crownest.....	109	5	425	1,267	1,806	261,837	1,707,668	1,969,505
Mountain Park.....	68	6	239	474	787	186,287	955,386	1,141,673
Nordegg.....	23	1	82	163	269	48,571	222,650	271,221
Total bituminous.....	220	13	821	2,112	3,166	552,012	3,190,587	3,742,599
SUB-BITUMINOUS—								
Coalspur.....	31	3	241	159	434	100,904	460,047	560,951
Pekisko.....			2	9	11		5,300	5,300
Pincher.....			3	4	7		3,209	3,209
Prairie Creek.....	13		42	93	148	22,246	149,980	172,226
Saunders.....	13		21	59	93	26,853	90,981	117,834
Total sub-bituminous.....	57	3	309	324	693	150,003	709,517	859,520
LIGNITE—								
Ardley.....	2		10	38	50	2,600	20,930	23,530
Big Valley.....			7	7	14		3,842	3,842
Brooks.....	2		10	4	16	4,500	8,579	13,079
Camrose.....	8	1	15	52	76	13,270	33,120	46,390
Carbon.....	8	2	34	152	196	17,263	98,501	115,764
Castor.....	1		14	66	81	500	30,179	30,679
Champion.....	1		7	54	62	275	28,495	28,770
Drumheller.....	97	5	320	1,384	1,806	205,736	1,399,863	1,605,599
Edmonton.....	65	5	126	614	810	102,765	506,980	609,754
Gleichen.....			3	13	16		8,477	8,477
Hinckley.....			1	14	15		6,113	6,113
Lethbridge.....	39	3	208	754	1,004	76,350	623,627	699,977
Margrath.....			1	6	7		3,555	3,555
Milk River.....			6	9	15		7,136	7,136
Pakan.....							3,696	3,696
Pakowki.....			2	11	13		69,100	77,176
Pembina.....	4		36	49	89	8,076	37,901	43,561
Redcliff.....	4		12	46	62	5,660	1,170	1,170
Rochester.....			2	1	3		36,043	42,693
Sheerness.....	5		58	17	80	8,650		
Steveville.....								
Taber.....	1		10	37	48	900	24,346	25,246
Tofield.....	8		52	4	64	27,709	42,624	70,333
Wetaskiwin.....				1	1		100	100
Whitcourt.....								
Area not designated.....			2	4	6		2,646	2,646
Total lignite.....	245	16	936	3,337	4,531	472,254	2,995,032	3,467,286
Total Alberta.....	522	32	2,066	5,773	8,393	1,174,269	6,895,136	8,069,405

Table 124.—Employment and Earnings in the Coal Mines of Alberta, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	2,279	2,089	2,071	2,075	2,066
Underground.....	6,570	5,935	5,753	5,896	5,773
Total.....	8,849	8,024	7,824	7,971	7,839
Days' work done—					
Surface.....	540,522	445,763	477,200	469,430	473,827
Underground.....	1,233,052	928,713	1,001,994	958,835	951,265
Total.....	1,773,574	1,374,466	1,479,194	1,428,265	1,425,092
Average number of days worked per man per year—					
Surface.....	237	213	230	226	220
Underground.....	188	156	174	163	165
By all wage-earners.....	200	171	189	179	152
Total wages paid.....	\$ 10,067,115	\$ 7,376,358	\$ 7,475,667	\$ 6,900,798	\$ 6,895,136

Table 125.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1934

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,350	7,184	9,534	46,448	110,653	157,101
February.....	2,210	6,352	8,562	35,510	71,687	107,197
March.....	2,086	5,949	8,035	35,653	72,126	107,779
April.....	1,779	4,676	6,455	29,509	48,038	77,547
May.....	1,670	4,076	5,745	31,622	45,820	77,442
June.....	1,705	4,006	5,711	30,887	47,997	78,884
July.....	1,066	3,900	4,966	31,596	51,969	83,565
August.....	1,777	4,928	6,705	36,343	65,346	101,689
September.....	2,169	6,503	8,672	41,911	103,279	145,190
October.....	2,367	7,089	9,456	53,108	117,685	170,793
November.....	2,594	7,252	9,846	51,391	109,076	160,467
December.....	2,415	7,297	9,712	49,849	107,589	157,438
Total.....				473,827	951,265	1,425,092

Table 126.—Number of Man-Days' Work Done in the Coal Mines of Alberta, by Districts, 1933 and 1934

District	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé.....						
Cascade.....	16,850	26,186	43,036	19,022	33,416	52,438
Crowsnest.....	95,986	185,275	281,261	106,626	216,794	323,420
Mountain Park.....	52,384	106,886	159,270	53,800	112,414	166,214
Nordeg.....	20,099	23,245	43,344	19,078	22,464	41,542
Total bituminous.....	185,319	341,592	526,911	198,526	385,088	583,614
SUB-BITUMINOUS—						
Coulspar.....	70,673	30,349	101,022	69,003	23,304	92,367
Morley.....						
Pekisko.....	299	596	895	353	1,107	1,460
Pincher.....	473	880	1,353	439	795	1,234
Prairie Creek.....	9,500	20,161	29,661	9,324	20,784	30,108
Saunders.....	5,199	11,496	16,695	4,297	11,460	15,757
Total sub-bituminous.....	86,144	63,482	149,626	83,476	57,450	140,926
LIGNITE—						
Ardley.....	2,189	5,923	8,112	2,524	5,492	8,016
Big Valley.....	1,413	938	2,351	1,328	851	2,179
Brooks.....	1,584	1,090	2,674	1,720	1,051	2,771
Camrose.....	4,049	9,445	13,494	3,299	10,127	13,426
Carbon.....	7,317	26,972	34,289	5,936	20,178	26,114
Castor.....	3,430	10,638	14,068	3,198	10,194	13,392
Champion.....	2,025	11,893	13,918	1,908	9,870	11,778
Drumheller.....	62,332	225,859	288,191	62,310	215,150	277,460
Edmonton.....	29,531	122,236	151,767	29,890	115,325	145,221
Gleichen.....	594	2,168	2,762	815	2,956	3,771
Halcourt.....	408	2,287	2,695	518	2,593	3,111
Lethbridge.....	42,668	98,450	141,118	39,233	84,684	123,917
Magrath.....	337	892	1,229	235	1,051	1,286
Milk River.....	1,226	1,425	2,651	1,423	1,045	2,468
Pakan.....						
Pakowki.....	494	1,337	1,831	414	1,264	1,678
Pembina.....	6,385	13,165	21,550	6,411	7,971	14,382
Redcliff.....	2,006	7,929	9,935	2,476	9,282	11,758
Rochester.....	707	311	1,018	345	170	515
Sexsmith.....						
Sheerness.....	6,543	4,252	10,795	12,004	2,282	14,286
Steveville.....	7	108	115			
Taber.....	2,575	5,499	8,074	1,092	5,627	7,619
Tofield.....	18,018	752	18,770	13,422	780	14,202
Wetaskiwin.....	36	58	94	2	40	42
Whitecourt.....		39	39			
Area not designated.....	93	95	188	416	744	1,160
Total lignite.....	197,967	553,761	751,728	191,825	549,727	700,552
Total Alberta.....	469,430	958,835	1,428,265	473,827	951,265	1,425,092

Table 127.—Wage-Earners Employed in the Coal Mines of Alberta, by Classes, 1933 and 1934

Classification	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	66		66	62		62
Foremen and clerks.....	228	374	602	239	374	613
Officials.....	707		707	633		633
Screenmen and loaders.....		1,916	1,916		1,814	1,814
Hand cutters and helpers.....		371	371		378	378
Machine cutters and helpers.....		1,632	1,632		1,626	1,626
Machine loaders and helpers.....	29	421	450	36	404	440
Horse haulage employees.....	64	287	351	71	295	366
Mechanical haulage employees.....	1	70	71	1	66	67
Ventilation employees.....	2	125	127	6	124	130
Roadmakers.....		232	232		225	225
Timbermen.....	3	40	43	5	43	48
Pumpmen.....		126	126		139	139
Chute loaders.....	157		157	154		154
Enginemen.....	94		94	96		96
Firemen.....	57	6	63	58	5	63
Machinists.....	47	1	48	47	1	48
Carpenters and masons.....	74	8	82	87	8	95
Other mechanics.....	546	287	833	571	271	842
All other employees.....						
Total.....	2,075	5,896	7,971	2,066	5,773	7,839

Table 128.—Capital Employed in the Coal Mines of Alberta, 1933 and 1934

	1933	1934
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	36,577,858	33,845,242
Cost of supplies and stock on hand.....	1,207,324	1,230,576
Cash, trading and operating accounts and bills receivable.....	6,070,698	6,356,058
Total.....	43,855,880	41,431,876

CHAPTER TEN

BRITISH COLUMBIA

British Columbia's coal output in 1934 reached a total of 1,485,969 tons as compared with 1,382,272 tons in the previous year. Crow's Nest Pass mines produced 676,858 tons or 34.7 per cent above the 1933 total. Production in the Inland district declined 14.2 per cent to 166,500 tons. Mines in the Island district produced 642,611 tons as against 685,897 tons in 1933.

Shipments of coal from British Columbia mines for use within the province amounted to 527,134 tons. Coal shipped to railroads in Canada for locomotive use totalled 468,350 tons; in addition, 10,564 tons were shipped to the United States for a similar use. Sales of coal for bunker purposes were recorded at 103,857 tons in 1934. Shipments to Manitoba rose 36.2 per cent to 98,016 tons. In addition to these shipments, minor tonnages were shipped to the United States, Alaska, Alberta, Saskatchewan and Ontario.

Retail coal dealers were supplied by the mines with 12,470 tons of run of mine, 153,241 tons of lump, 23,853 tons of egg, 21,923 tons of nut, 40,318 tons of pea, and 44,296 tons of slack. Domestic consumers and mine employees purchased 35,637 tons during 1934. Industrial users received 204,000 tons direct from the mines during the year.

British Columbia coal mines in 1934 employed 2,849 wage-earners whose wages totalled \$2,900,190. These wage-earners received 618,901 man-days work during the year or an average of 217 days per man. During the preceding year 3,050 men were employed; wages amounted to \$2,886,364 and man-days work done totalled 616,510 or 202 days per man.

Eighty-three compressed air machines and one electric machine were used in 1934 by British Columbia mines to produce 690,922 tons or 46.5 per cent of the total tonnage mined. In 1933, seventy-one compressed air machines and one electric machine were in use; these machines produced 570,629 tons of coal during the year.

Table 129.—Output of Coal from British Columbia Mines, 1836-1934

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1836-1866.....	214,410	765,748	1890.....	767,586	2,056,035	1914.....	2,239,799	6,999,374
1867.....	34,988	124,956	1891.....	1,130,227	3,027,528	1915.....	2,065,613	6,455,041
1868.....	49,286	176,020	1892.....	937,218	2,510,406	1916.....	2,584,061	8,075,190
1869.....	40,098	143,208	1893.....	1,093,980	2,930,304	1917.....	2,433,888	8,235,716
1870.....	33,424	119,372	1894.....	1,112,628	2,980,254	1918.....	2,568,589	11,494,681
1871.....			1895.....	1,058,045	2,834,049	*1919.....	2,649,516	13,512,532
1872.....	166,274	593,836	1896.....	1,003,760	2,688,666	*1920.....	3,095,011	18,105,814
1873.....			1897.....	1,019,390	2,730,510	*1921.....	2,890,291	15,676,774
1874.....	90,788	243,183	1898.....	1,263,680	3,384,858	*1922.....	2,927,033	14,622,317
1875.....	109,361	292,932	1899.....	1,431,101	3,833,307	*1923.....	2,823,306	13,813,520
1876.....	157,007	420,555	1900.....	1,791,833	4,799,553	*1924.....	2,193,667	10,601,998
1877.....	156,455	419,076	1901.....	1,919,488	5,141,487	*1925.....	2,742,252	11,720,373
1878.....	213,750	572,544	1902.....	1,808,441	4,844,040	*1926.....	2,613,719	10,612,915
1879.....	260,277	697,170	1903.....	1,676,581	4,490,844	*1927.....	2,746,243	10,934,777
1880.....	305,045	817,086	1904.....	1,862,625	4,989,174	*1928.....	2,804,594	11,094,353
1881.....	257,056	688,542	1905.....	1,945,452	5,211,030	*1929.....	2,490,378	10,160,789
1882.....	323,201	865,716	1906.....	2,146,262	5,748,915	*1930.....	2,083,818	8,421,572
1883.....	240,075	643,059	1907.....	2,364,898	7,390,306	*1931.....	1,876,406	7,150,996
1884.....	441,130	1,181,598	1908.....	2,333,708	7,292,838	*1932.....	1,681,490	6,392,801
1885.....	372,987	999,072	1909.....	2,606,127	8,144,147	*1933.....	1,382,272	5,306,287
1886.....	375,415	1,005,576	1910.....	3,330,745	10,408,589	*1934.....	1,485,969	5,351,108
1887.....	486,142	1,302,165	1911.....	2,542,532	7,945,413			
1888.....	539,467	1,445,001	1912.....	3,208,997	10,028,116			
1889.....	636,439	1,704,747	1913.....	2,714,420	8,482,562			
						Total.....	98,959,723	353,853,012

* The tonnage shown for 1919-1934 inclusive, is the total output from all mines; for previous years the figures given include only sales, colliery consumption and coal used by operators.

Table 130.—Output of Coal from British Columbia Mines, by Months, 1930-1934

(Short tons)

Month	1930	1931	1932	1933	1934
January.....	207,324	166,369	153,154	123,596	146,786
February.....	199,979	146,485	171,911	128,959	116,436
March.....	175,394	153,241	159,870	111,615	111,838
April.....	161,136	135,976	147,194	96,316	108,813
May.....	157,604	131,775	127,712	81,988	107,535
June.....	213,322	194,382	168,105	85,218	107,878
July.....	137,616	138,318	111,601	92,485	114,761
August.....	136,685	137,886	114,826	126,280	133,790
September.....	160,540	145,079	125,834	112,632	112,460
October.....	182,110	163,423	122,428	139,658	148,281
November.....	169,530	171,791	126,287	137,642	131,469
December.....	182,578	191,681	152,568	145,883	145,922
Total.....	2,083,818	1,876,406	1,681,490	1,382,272	1,485,969

Table 131.—Output of Coal by Districts in British Columbia, 1930-1934

(Short tons)

District	1930	1931	1932	1933	1934
Crow's Nest Pass.....	738,370	707,277	621,431	502,334	676,858
Inland.....	237,978	238,354	221,172	194,041	166,500
Island.....	1,107,470	930,775	838,887	685,897	642,611
Total.....	2,083,818	1,876,406	1,681,490	1,382,272	1,485,969

Table 132.—Output of Coal by Principal Collieries in British Columbia, 1932-1934
(Average of 500 tons or over per month)

(Short tons)

Name	Address	1932	1933	1934
CROW'S NEST PASS DISTRICT—				
Corbin Collieries, Ltd.....	Corbin.....	274,001	210,614	247,192
Crow's Nest Pass Coal Co., Ltd.....	Fernie.....	347,430	291,720	429,666
Total.....		621,431	502,334	676,858
INLAND DISTRICT—				
Coalmont Collieries, Ltd.....	Coalmont.....	107,412	86,345	88,216
Middlesboro Collieries, Ltd.....	Merritt.....	23,257	28,824	27,564
Pleasant Valley Mining Co., Ltd.....	Princeton.....	16,346	9,479	10,147
Tulameen Coal Mines, Ltd.....	Princeton.....	57,965	54,061	21,529
Wilson Mining and Investment Co. Ltd. (formerly Blue Flame Coal Co.).....	Vancouver.....	11,780	10,373	13,030
All other operators.....		4,412	4,959	6,014
Total.....		221,172	194,041	166,500
ISLAND DISTRICT—				
Canadian Collieries (Dunsmuir) Ltd.....	Nanaimo.....	365,714	380,046	368,913
Granby Consolidated Mining, Smelting and Power Co., Ltd.....	Cassidy.....	69,919		
Western Fuel Corporation of Canada, Ltd.....	Nanaimo.....	394,595	293,075	262,519
All other operators.....		8,659	12,776	11,179
Total.....		838,887	685,897	642,611
Total British Columbia.....		1,681,490	1,382,272	1,485,969

Table 133.—Tonnage Lost in British Columbia Mines, Showing, by Districts, the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1933 and 1934

District	Year	Per cent produced	Per cent lost	Percentage lost through				
				Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
Crow's Nest Pass.....	1933	60	40		40.0			
	1934	74	26	0.2	25.4			0.4
Inland.....	1933	74	26		25.3	0.3		0.4
	1934	67	33		32.3	0.1		0.6
Island.....	1933	67	33	0.4	32.2			0.4
	1934	60	31	0.3	30.2		0.1	0.4
British Columbia.....	1933	65	35	0.2	34.6			0.2
	1934	71	29	0.2	28.4			0.4

Table 134.—Disposition of Coal from British Columbia Mines, by Grades, 1933 and 1934
(Short tons)

Description	1933					1934				
	Run-of-mine	Screened	Slack	Total		Run-of-mine	Screened	Slack	Total	
				Short tons	Value				Short tons	Value
					\$					\$
Supplied to employees for domestic consumption..	1,420	15,518		16,938	54,286	1,109	13,539		14,648	47,554
Shipped as per Table 135..	303,397	751,163	182,146	1,236,706	5,625,758	380,089	668,685	220,178	1,268,952	4,928,798
Used under colliery boilers, etc.	20,214	66,192	18,594	105,000	273,361	19,378	62,494	19,648	101,520	257,090
Used by companies' railroads.....	5,137	3,508		8,645	30,950	5,197	3,602		8,799	33,025
Used in making coke at colliery.....			9,447	9,447	22,704			40,217	40,217	83,792
Put on bank.....	3,397	27,966	580	31,933	129,912	2,827	39,888	2,113	44,828	173,394
Put on waste heap.....				40,496					58,816	
Total disposition....	333,565	844,337	219,767	1,449,165	5,536,971	408,600	788,208	282,156	1,537,780	5,523,653
Lifted from bank.....	3,342	57,068	210	60,620	230,684	2,400	39,670		42,070	172,545
Lifted from waste heap.....				6,273					9,741	
Total output.....	330,223	807,269	210,557	1,382,272	5,306,287	406,200	748,538	282,156	1,488,969	5,351,106

Table 135.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1933 and 1934
(Short tons)

Destination	1933				1934			
	Run-of-mine	Screened	Slack	Total	Run-of-mine	Screened	Slack	Total
British Columbia.....	16,402	519,615	84,316	620,393	12,908	413,375	100,851	527,134
Alberta.....	1,714	110	4,097	5,921	1,105	192	9,319	10,616
Saskatchewan.....	5,791	281	13,502	19,574	4,670	363	3,440	8,473
Manitoba.....	3,638	1,653	66,655	71,946	6,376	3,622	88,018	98,016
Ontario.....	272	137		409	388	255	690	1,333
United States.....	480	3,756	9,080	18,316	433	11,092	13,794	25,319
Alaska.....		14,249		14,249		15,290		15,290
Railroads for locomotive use:								
(a) In Canada.....	264,482	135,468	4,496	404,446	343,645	120,639	4,066	468,350
(b) In the United States.....	10,558			10,558	10,564			10,564
Bunker.....		70,894		70,894		103,857		103,857
Total.....	303,397	751,163	182,146	1,236,706	380,089	668,685	220,178	1,268,952

Table 136.—Exports of Canadian Coal through British Columbia Ports, 1930-1934

(Short tons)

Port	1930	1931	1932	1933	1934
Abbotsford.....	278	218	77		
Cranbrook.....	65,287	51,816	48,389	35,430	36,214
Fernie.....	60,732	27,073	9,320	2,641	4,025
Grand Forks.....	45				
Nanaimo.....	111,468	67,971	62,273	42,679	46,322
New Westminster.....	153	2	160	195	105
Penticton.....	1,189	817	287	143	40
Prince Rupert.....	414	164	77	71	96
Vancouver.....		48	284	203	615
Victoria.....					
Total.....	239,566	148,109	120,876	81,362	87,417

Table 137.—Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1933 and 1934*

(Short tons)

Port	Source	1933				1934						
		Anthracite	Lignite	Bituminous, all grades	Total	Anthracite				Lignite	Bituminous, all grades	Total
						Grate, egg, stove, nut and pea	Screenings or dust	N.O.P.	Total			
Abbotsford.....	U.S.											
Cranbrook.....	U.S.											
Fernie.....	U.S.		297	1	298					168	1	169
Grand Forks.....	U.S.										45	45
Greenwood.....	U.S.											
Nanaimo.....	U.S.											
Nelson.....	U.S.		73	90	163					143	69	212
New Westminster.....	U.S.		384	38	422					379	31	410
Penticton.....	U.S.									31		31
Prince Rupert.....	U.S.	1		5,957	5,958						188	188
Revelstoke.....	Alaska.	2			2							
Vancouver.....	U.S.			92	92							
	U.S.	1	1,344	911	2,256					1,705	1,451	3,216
	G.B.	3,504		16,976	20,480			282	282			282
	Japan.....										300	300
Victoria.....	China.....	6			6							
	U.S.....			131	131						143	143
	G.B.....	143		1,874	2,017						42	42
Total.....	U.S.....	2	2,098	7,229	9,329					2,486	1,928	4,414
	G.B.....	3,647		16,859	20,497			282	282		42	324
	Japan.....										300	300
	China.....	6			6							
	Alaska.....	2			2							
Grand total.....		3,657	2,098	26,070	31,825			282	282	2,486	2,270	5,038

* The total tonnages received at British Columbia ports of entry. See page 4, section 2, for explanation.

Table 138.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in British Columbia, by Months and by Kinds

(Short tons)

Month	Canadian coal				Im- ported from United States	Im- ported from Great Britain	Im- ported from Japan	Coal available for con- sumption
	Output	Received from other provinces	Shipped to other provinces	Ex- ported				
January—								
Anthracite.....								
Bituminous.....	146,786	3,957	10,004	10,110	191			130,820
Sub-bituminous.....		3,486						3,486
Lignite.....		5,362		946	550			4,066
Total.....	146,786	12,805	10,004	11,056	741			139,272
February—								
Bituminous.....	116,436	2,601	9,840	5,310	251			104,138
Sub-bituminous.....		1,886						1,886
Lignite.....		3,163		485	144			2,812
Total.....	116,436	7,640	9,840	5,795	395			108,836
March—								
Bituminous.....	111,838	3,957	9,001	4,122	105			102,777
Sub-bituminous.....		1,801						1,801
Lignite.....		2,919		79	103			2,943
Total.....	111,838	8,677	9,001	4,201	208			107,521
April—								
Anthracite.....								
Bituminous.....	108,813	2,966	8,346	5,393	35			98,075
Sub-bituminous.....		641						641
Lignite.....		1,790			186			1,976
Total.....	108,813	5,397	8,346	5,393	221			100,692
May—								
Anthracite.....								
Bituminous.....	107,535	4,110	8,387	10,785	142			92,615
Sub-bituminous.....		554						554
Lignite.....		903						903
Total.....	107,535	5,567	8,387	10,785	142			94,072
June—								
Anthracite.....								
Bituminous.....	107,878	3,432	9,199	4,589	1			97,523
Sub-bituminous.....		286						286
Lignite.....		738			48			786
Total.....	107,878	4,456	9,199	4,589	49			98,595
July—								
Anthracite.....								
Bituminous.....	114,761	2,866	8,886	3,736	151			105,156
Sub-bituminous.....		1,143						1,143
Lignite.....		1,220						1,220
Total.....	114,761	5,229	8,886	3,736	151			107,519
August—								
Bituminous.....	133,790	2,985	10,866	7,895	503	42	300	118,850
Sub-bituminous.....		1,726						1,726
Lignite.....		1,723		93	97			1,727
Total.....	133,790	6,434	10,866	7,988	600	42	300	122,312
September—								
Anthracite.....								
Bituminous.....	112,460	3,570	10,365	5,850	81			99,896
Sub-bituminous.....		2,674						2,674
Lignite.....		8,558		310	44			8,292
Total.....	112,460	14,802	10,365	6,160	125			110,802
October—								
Anthracite.....						282		282
Bituminous.....	148,281	4,317	9,981	13,949	170			128,838
Sub-bituminous.....		3,550						3,550
Lignite.....		10,388		1,481	227			9,134
Total.....	148,281	18,264	9,981	15,430	397	282		141,813

Table 138.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in British Columbia, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian Coal				Im-ported from United States	Im-ported from Great Britain	Im-ported from Japan	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Ex-ported				
November—								
Anthracite.....	131,469	3,713	9,882	5,524	139			119,915
Bituminous.....		3,042						3,942
Sub-bituminous.....		7,791		1,176	320			6,935
Lignite.....								
Total.....	131,469	15,446	9,882	6,700	459			130,702
December—								
Anthracite.....	145,922	4,425	13,681	5,027	159			131,798
Bituminous.....		5,472						5,472
Sub-bituminous.....		9,354		557	767			9,564
Lignite.....								
Total.....	145,922	19,251	13,681	5,584	926			146,834
Total—								
Anthracite.....						282		282
Bituminous.....	1,485,969	42,899	118,438	82,290	1,928	42	309	1,330,419
Sub-bituminous.....		27,170						27,170
Lignite.....		53,899		5,127	2,486			51,258
Total.....	1,485,969	123,968	118,438	87,417	4,414	324	309	1,409,120

Table 139.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1933 and 1934

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1933						\$	\$	\$
Crow's Nest Pass.....	74	5	176	536	791	174,824	706,233	881,057
Inland.....	27	4	168	320	519	57,065	483,641	540,996
Island.....	105	9	581	1,269	1,964	226,108	1,698,290	1,922,398
British Columbia.....	206	18	925	2,125	3,274	457,997	2,886,364	3,344,361
1934								
Crow's Nest Pass.....	66	6	174	571	817	165,742	905,922	1,071,664
Inland.....	24	3	164	303	494	57,720	451,593	509,313
Island.....	95	8	552	1,085	1,740	239,432	1,542,675	1,782,107
British Columbia.....	185	17	890	1,959	3,051	462,894	2,900,190	3,363,084

Table 140.—Employment and Earnings in the Coal Mines of British Columbia, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	1,270	1,094	1,036	925	890
Underground.....	3,093	2,796	2,648	2,125	1,959
Total.....	4,363	3,890	3,684	3,050	2,849
Days' work done—					
Surface.....	333,856	276,698	255,599	210,503	211,853
Underground.....	677,634	571,075	524,968	406,007	407,048
Total.....	1,011,490	847,773	780,567	616,510	618,901
Average number of days worked per man per year—					
Surface.....	263	253	247	228	238
Underground.....	219	204	198	191	208
By all wage-earners.....	232	218	212	202	217
Total wages paid.....	\$ 5,097,632	\$ 4,190,880	\$ 3,772,062	\$ 2,886,364	\$ 2,900,190

Table 141.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1934

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	953	2,252	3,205	20,082	42,821	62,903
February.....	910	2,097	3,007	16,881	32,451	49,332
March.....	870	1,892	2,762	16,966	30,829	47,795
April.....	894	1,980	2,874	16,772	32,291	49,063
May.....	898	1,936	2,834	16,805	31,615	48,420
June.....	898	1,881	2,779	16,297	29,280	45,577
July.....	863	1,840	2,703	16,746	31,031	47,777
August.....	856	1,870	2,726	17,716	32,886	50,602
September.....	843	1,834	2,677	16,278	30,137	46,415
October.....	891	1,958	2,849	19,887	39,117	59,004
November.....	903	1,982	2,885	18,684	34,598	53,282
December.....	907	2,000	2,907	18,739	39,992	58,731
Total.....				211,853	407,048	618,901

Table 142.—Number of Man-Days Worked in British Columbia, by Districts, 1933 and 1934

District	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	37,500	92,354	129,854	44,905	125,654	170,559
Inland.....	42,855	64,691	107,546	39,943	55,282	95,225
Island.....	130,148	248,962	379,110	127,005	226,112	353,117
Total.....	210,503	406,007	616,510	211,853	407,048	618,901

Table 143.—Wage-Earners in the Coal Mines of British Columbia, by Classes, 1933 and 1934

Classification	1933			1934		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	12		12	11		11
Foremen and clerks.....	84	104	188	75	98	173
Officials.....	117		117	140		140
Screenmen and loaders.....		813	813		741	741
Hand cutters and helpers.....		115	115		112	112
Machine cutters.....		184	184		177	177
Machine loaders and helpers.....		8	8		9	9
Chute loaders.....	8	184	192	8	159	167
Horse haulage employees.....	16	229	245	15	222	237
Mechanical haulage employees.....		20	20		28	28
Ventilation employees.....	1	39	40		38	38
Roadmakers.....	10	100	110	12	98	110
Timbermen.....		18	18		17	17
Pumpmen.....	63		63	62	3	65
Enginemen.....	38		38	41		41
Firemen.....	38		38	37	2	39
Machinists.....	39		39	47		47
Carpenters and masons.....	98	14	112	97	67	164
Other mechanics.....	290	286	576	247	167	414
All other white employees.....	1	8	9	1	19	20
Japanese.....	110	3	113	97	2	99
Chinese.....						
Indians.....						
Total.....	925	2,125	3,050	890	1,959	2,849

Table 144.—Capital Employed in the Coal Mines of British Columbia, 1933 and 1934

	1933	1934
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	19,348,706	18,994,859
Cost of supplies and stock on hand.....	506,109	529,293
Cash, trading and operating accounts and bills receivable.....	2,316,949	2,409,651
Total.....	22,171,764	21,933,803

CHAPTER ELEVEN

YUKON

Coal production from the Five Finger mine, near Carmacks, Yukon Territory, declined to 638 tons in 1934. The 1934 output included 191 tons shipped to other Yukon points, 6 tons sold to employees and 23 tons used under colliery boilers. Imports of bituminous coal from the United States during the year amounted to 37 tons as compared with 7 tons in 1933.

Table 145.—Output of Coal from Yukon Mines, 1901-1934
(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1901.....	(a) 5,864	86,230	1913.....	10,722	95,945	*1925.....	730	7,147
1902.....	4,910	37,280	1914.....	13,443	53,760	*1926.....	316	800
1903.....	1,849	29,584	1915.....	9,724	38,896	*1927.....	414	2,052
1904.....			1916.....	3,300	13,200	*1928.....	414	2,915
1905.....	21,000	21,000	1917.....	4,872	129,232	*1929.....	458	1,848
1906.....	7,000	28,000	1918.....	2,900	11,600	*1930.....	653	3,110
1907.....	15,000	60,000	*1919.....			*1931.....	904	5,039
1908.....	3,847	21,158	*1920.....			*1932.....	808	3,491
1909.....	7,364	49,502	*1921.....	233	2,472	*1933.....	862	3,670
1910.....	16,185	110,925	*1922.....	465	4,650	*1934.....	638	2,217
1911.....	2,840	12,780	*1923.....	313	1,485			
1912.....	9,245	44,958	*1924.....	1,121	8,265	Total.....	143,394	793,211

(a) Part of this production was mined in 1900.

* Value not reported, but estimated.

For the years 1919-1934 the tonnage shown, is the total output from all mines: for previous years the figures shown include only sales, colliery consumption and coal used by operators.

Table 146.—Disposition of Coal Output from Yukon Mines, by Grades, 1933 and 1934
(Short tons)

	1933					1934				
	Run of mine	Screened	Slack	Total		Run of mine	Screened	Slack	Total	
				Quantity	Value				Quantity	Value
					\$					\$
Supplied to employees for domestic consumption.....			4	4	12			6	6	18
Shipped (all to Yukon points).....		328		328	3,280		191		191	1,910
Used under colliery boilers, etc.....			22	22	78			23	23	69
Put on bank.....		30		30	300		22		22	220
Put on waste heap.....				478					396	
Total disposition.....		358	26	862	3,670		213	29	638	2,217

Table 147.—Imports of Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1930-1934
(Short tons)

	1930	1931	1932	1933	1934
IMPORTS—					
Dawson.....					30
White Horse.....	7	10	4	7	7
Total.....	7	10	4	7	37
EXPORTS—					
Dawson.....					16
White Horse.....					
Total.....					16

Table 148.—Summary Statistics for 1934—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption in Yukon, by Months and by Kinds

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
May—						
Bituminous.....	155				5	160
June—						
Bituminous.....	242				20	262
July—						
Bituminous.....	241					241
August—						
Bituminous.....						
September—						
Bituminous.....					12	12
October—						
Bituminous.....				16		
Total—Bituminous.....	638			16	37	*659

*Allowance has been made for 16 tons exported in October.

Table 149.—Employment and Earnings in the Coal Mines of Yukon, 1930-1934

	1930	1931	1932	1933	1934
Average number of wage-earners—					
Surface.....	1	1	1	2	1
Underground.....	2	2	2	2	2
Total.....	3	3	3	4	3
Days' work done—					
Surface.....	102	58	103	98	71
Underground.....	204	106	179	104	142
Total.....	306	164	282	202	213
Average number of days worked per man per year—					
Surface.....	102	58	103	46	71
Underground.....	102	53	90	52	71
By all wage-earners.....	102	55	94	51	71
Total wages paid.....	\$ 2,221	\$ 984	\$ 2,425	\$ 2,500	\$ 1,500

Table 150.—Wage-Earners Employed and Work Done by Months in the Yukon Coal Mines in 1934

Month	Number of employees			Days' work done		
	Surface	Under ground	Total	Surface	Under ground	Total
May.....	1	2	3	20	40	60
June.....	1	2	3	26	52	78
July.....	1	2	3	25	50	75
Total.....				71	142	213

Table 151.—Capital Employed in the Coal Mines of Yukon, 1933 and 1934

	1933	1934
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	203,000	203,000
Cost of supplies and stock on hand.....		
Cash, trading and operating accounts and bills receivable.....		520
Total.....	203,000	203,520

CHAPTER TWELVE

WORLD PRODUCTION OF COAL

The estimated coal output of the world in 1934 was 1,246,977,000 long tons; this represented an advance of 9·4 per cent over the tonnage produced in 1933.

Production in Great Britain rose 6·7 per cent to 220,952,000 long tons from the 1933 total of 207,112,243 long tons. An increase of 7·8 per cent was recorded in the United States output in 1934 as compared with the preceding year; the totals were 371,227,000 long tons and 342,117,747 long tons, respectively. The German production in 1934 advanced 10·9 per cent to 258,122,000 long tons. Russia produced 78,047,000 long tons; in 1933 the output totalled 74,295,000 long tons. Slight advances were recorded in the French and Czechoslovakian outputs in 1934. The Canadian production rose 16 per cent to 12,330,529 long tons.

Table 152.—World Production of Coal* 1930-1934

(Including brown coal)
(Long tons)

Country	1930	1931	1932	1933	1934
BRITISH EMPIRE					
Great Britain—					
Anthracite.....	6,400,705	5,829,175	6,616,972	7,053,043	220,952,000
Bituminous.....	237,481,119	213,629,776	202,116,168	200,058,200	
Lignite.....					
Irish Free State—					
Anthracite.....	†	73,393			
Semi-bituminous.....	†	18,347	81,000	105,000	†
Nigeria.....	347,842	327,681	252,485	235,133	†
Southern Rhodesia.....	923,915	577,983	431,183	476,340	626,000
Union of South Africa.....	12,029,529	10,709,114	9,764,425	10,545,197	12,002,000
Canada—					
Bituminous.....	9,665,035	7,911,929	6,887,749	7,124,360	8,981,055
Sub-bituminous.....	538,713	420,842	500,805	404,748	479,918
Lignite.....	3,083,149	2,598,668	3,092,618	3,008,878	2,869,556
British Borneo—					
State of North Borneo.....	58,491	28,926			†
Sarawak.....	14,680	18,213			†
Federated Malay States.....	565,573	402,355	277,848	234,410	†
India—					
Gondwana Coalfields.....	23,342,372	21,331,872	19,814,524	19,456,254	20,176,000
Tertiary Coalfields.....	460,076	384,563	338,863	332,900	
Used by mines.....	†	543,000	504,000	495,000	
Australia.....					
Bituminous.....	9,531,359	8,401,260	8,585,858	9,091,976	7,677,000
Lignite.....	1,831,507	2,194,453	2,612,512	2,580,060	
New Zealand—					
Bituminous.....	1,382,875	979,636	928,234	843,845	886,000
Brown coal.....	1,046,677	1,069,749	806,397	860,238	984,000
Lignite.....	112,540	108,371	107,391	117,175	
Total British Empire.....	309,000,000	278,000,000	264,000,000	263,000,000	
FOREIGN COUNTRIES					
Albania—					
Lignite.....	4,215	3,109	†	†	†
Austria—					
Bituminous.....	212,478	224,541	217,819	235,150	†
Brown coal.....	3,014,605	2,934,978	3,055,021	2,969,862	†
Belgium—					
Anthracite and semi-anthracite.....	5,719,956	5,865,653	4,656,753	24,878,454	25,946,000
Bituminous.....	21,270,796	20,749,689	16,428,442		
Bulgaria—					
Anthracite.....	2,303	6,117	3,075	1,452,474	†
Bituminous.....	62,312	78,161	93,758		
Brown coal.....	1,498,345	1,414,217	1,630,501		
Czechoslovakia—					
Bituminous.....	14,207,021	12,895,773	10,787,907	10,365,655	10,629,000
Brown coal.....	18,890,532	17,648,430	15,607,935	14,825,194	15,058,000
France—					
Sarr.....	13,029,730	11,187,485	10,273,195	10,394,373	11,139,000
Other districts—					
Anthracite and bituminous (a).....	53,049,020	49,220,890	45,535,513	46,113,162	47,975,000
Lignite.....	1,138,235	1,018,575	975,695	1,071,102	
Germany—					
Bituminous.....	140,444,006	116,766,357	103,086,309	107,959,643	123,035,000
Lignite.....	143,704,018	131,205,263	120,709,596	124,791,923	135,087,000
Greece—					
Lignite.....	127,576	103,546	135,410	†	†
Hungary—					
Bituminous.....	798,731	764,150	880,674	787,418	7,283,000
Brown coal.....	5,746,586	5,650,352	5,395,064	5,393,595	
Lignite.....	332,348	364,451	442,726	†	

Table 152.—World Production of Coal* 1930-1934—Concluded

(Including brown coal)

(Long tons)

Country	1930	1931	1932	1933	1934
Italy—					
Anthracite.....	19,530	15,331	47,004	66,644	†
Bituminous.....	207,946	216,640	204,390	262,439	†
Brown coal.....	567,750	358,730	370,107	376,712	†
Jugoslavia—					
Bituminous.....	360,430	309,914	362,187	377,432	†
Brown coal.....	3,748,858	3,467,492	3,030,987	2,800,202	†
Lignite.....	1,077,869	1,040,425	1,010,853	905,274	†
Netherlands—					
Bituminous.....	12,018,229	12,697,631	12,554,978	12,375,372	12,204,000
Brown coal.....	141,873	120,269	122,115	95,511	†
Poland—					
Bituminous.....	36,914,000	37,660,667	28,379,163	26,921,235	27,853,000
Brown coal.....	54,000	38,800	32,900	32,865	25,000
Portugal—					
Anthracite.....	183,471	223,475	187,632	205,399	†
Bituminous.....	27,345		49,753	19,426	†
Brown coal.....	33,928		16,043	11,261	†
Roumania—					
Anthracite.....			12,052	194,000	†
Bituminous.....	294,105	282,005	172,992		†
Lignite.....	2,038,348	1,606,088	1,440,807	1,267,000	†
Russia—					
Anthracite.....	47,635,600	55,737,000	63,299,000	74,295,000	78,047,000
Bituminous—					
European.....					
Asiatic.....					
Brown coal.....					
Spain—					
Anthracite.....	515,306	516,402	539,110	563,399	6,889,000
Bituminous.....	6,492,054	6,462,526	6,206,607	5,340,855	
Brown coal.....	381,904	330,073	330,981	296,260	295,000
Spitzbergen and Bear Island.....	185,443	239,267	250,000	275,000	†
Sweden.....	391,675	337,777	327,816	343,410	†
Switzerland (b).....	4,000	4,000	4,000	4,000	†
Algeria.....	16,922	25,186	24,584	20,948	†
Belgian Congo.....	131,700	84,350	17,000		†
Madagascar.....					†
Morocco (French)—					
Anthracite.....	965	5,574	14,724	26,848	†
Mozambique.....	†	†	19,430	10,000	†
Greenland.....	4,700	4,600	†	†	†
Mexico.....	1,273,818	907,723	642,314	556,144	†
United States—					
Anthracite.....	61,950,747	53,255,046	44,513,590	44,233,343	51,236,000
Bituminous and lignite.....	417,434,196	341,151,246	276,526,671	207,884,404	319,991,000
Brazil.....	359,673	454,061	490,288	552,252	†
Chile.....	1,419,367	1,083,004	1,068,100	1,516,283	†
Colombia (estimated).....	200,000	200,000	200,000	200,000	†
Peru.....	196,855	138,332	26,500	29,500	†
Venezuela (c).....	12,360	3,009	†	†	†
China (d).....	26,037,000	17,741,573	18,370,000	19,143,000	†
Dutch East Indies.....	1,841,278	1,382,223	1,033,639	1,025,390	†
Formosa.....	1,573,478	1,399,093	1,335,595	†	†
French Indo-China—					
Anthracite.....	1,860,000	1,650,000	1,640,637	1,517,861	†
Bituminous.....	47,000	28,000	22,328	25,508	†
Brown coal.....	28,000	23,000	23,091	22,644	†
Japan—					
Semi-anthracite.....	30,880,669	27,545,251	27,610,311	32,010,079	†
Bituminous.....					
Brown coal.....					
Karsfuto.....	126,593	115,881	106,818	113,958	†
Karsfuto.....	634,788	627,886	666,691	874,874	†
Korea—					
Anthracite.....	870,174	904,000	1,086,755	1,286,096	†
Bituminous.....					
"Manchoukuo".....	†	8,984,200	7,992,000	900,549	†
Philippine Islands.....	20,423	18,668	†	†	†
Turkey in Asia—					
Bituminous.....	1,569,966	1,549,230	1,568,411	1,830,607	†
Lignite.....	9,241	7,652	13,346	29,094	†
New Caledonia.....	9,517	†	†	†	†
Total Foreign countries.....	1,080,000,000	960,000,000	850,000,000	880,000,000	.....
Grand Total.....	1,390,000,000	1,240,000,000	1,110,000,000	1,140,000,000	1,216,977,000

*Data for 1930-1933 obtained from *The Mineral Industry of the British Empire and Foreign Countries*; data for 1934 from a preliminary report issued by the United States Bureau of Mines, Washington, D.C.

† Information not available.

(a) Includes about 5,000 tons of anthracite each year.

(b) United States Bureau of Mines estimate.

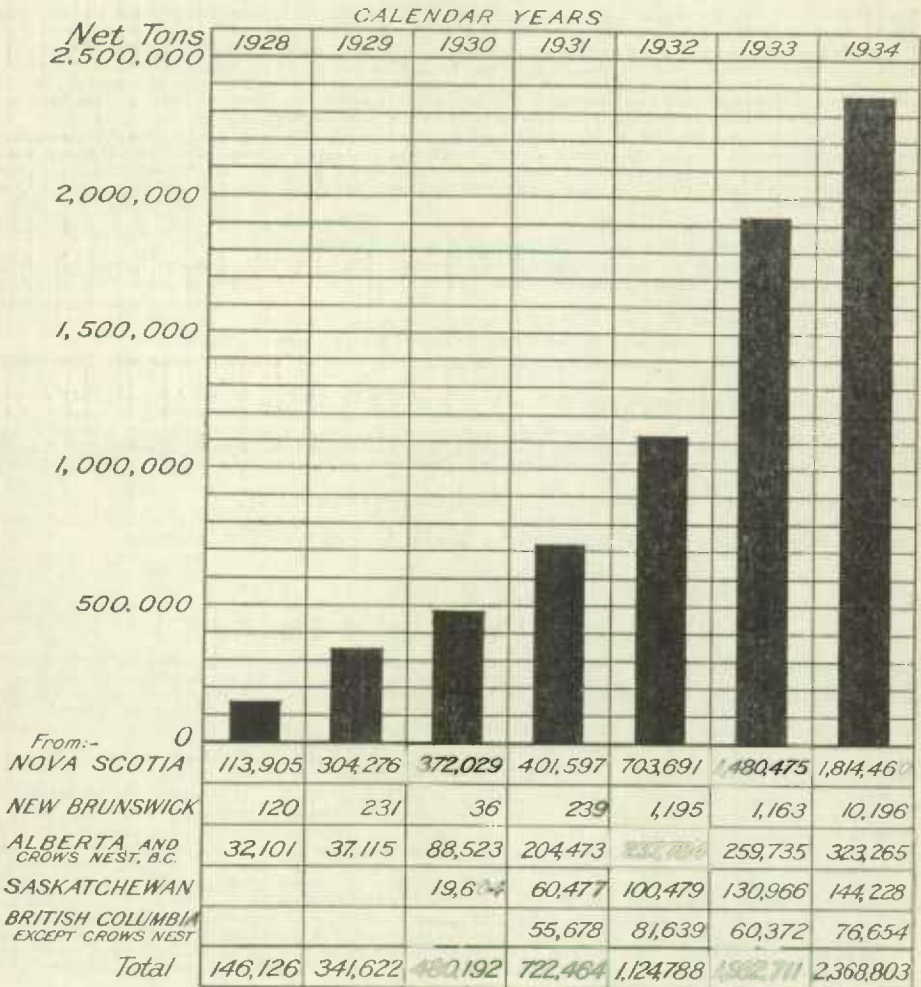
(c) Excluding production in government owned mines.

(d) Of which about 3,000,000 tons are anthracite and 300,000 tons are lignite.

DOMINION FUEL BOARD

Canadian coal moved
under assisted rates

1928-1934



Prepared by the Dominion Fuel Board

APPENDIX ONE

LEGISLATION PROVIDING ASSISTANCE FOR THE MARKETING OF CANADIAN COAL

COAL FOR COKE OR GAS

P.C. 944

The Committee of the Privy Council, on the recommendation of the Minister of Mines, advise, in order to encourage the greater use of Canadian coal in the manufacture of coke or gas:—

(1) That in respect of coal mined in Canada and transported to and used at any coke or gas plant in Canada during the period fixed by this Order in Council, the Minister of Mines, through the Dominion Fuel Board, be authorized to pay to coal operators, from such sums as may be provided by Parliament for the purpose, the difference in amount per net ton between the laid down cost to the coke oven proprietor or gas manufacturer, of coal mined in Canada and the laid down cost at the same plant of imported fuel that would otherwise be used, up to a maximum of \$1 per ton.

(2) That payments to coal operators shall be made only upon that quantity of Canadian coal used in the manufacture of coke or gas at the plant in excess of the average quantity of such coal used annually in such plant during the three years immediately preceding the 31st day of December, 1931. Provided that trial shipments of Canadian coal used in any plant for experimental purposes only shall not be included in computing the amount of Canadian coal used in any plant for the purposes of this section.

(3) That the said payments shall not apply on:—

(a) Coal manufactured into coke used in the smelting of metals or melting of metals.

(b) Coal upon which any subvention or reduced freight rate provided by the Government of Canada is payable under authority of Orders in Council P.C. 1300 and P.C. 1303 of May 30, 1931, or amendments thereto.

(c) Coal which was mined by coal operators from mines or properties which were brought into operation or commenced shipping coal after the 31st day of December, 1931.

(d) Coal used in any plant subject to the provisions of Chapter 52 of the Statutes of Canada, 1927.

(4) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.

(5) For the purpose of computing the amount of assistance payable under this authority the cost per ton of Canadian coal at the point of consumption and the cost per ton of imported fuel which would otherwise be used shall be determined by the Minister upon report of the Dominion Fuel Board or such other authority or person as the Minister may appoint for that purpose. The Minister or any person appointed by him for that purpose shall have free access to all works, books, plans, records or documents of any operator claiming payments under this Order in Council in so far as may be necessary for the purposes of this Order in Council.

(6) That the assistance herein authorized shall be effective from April 1, 1932.

(7) That the Dominion Fuel Board be charged with the administrative duties connected herewith and shall report annually to the Minister of Mines as to the amount paid coal operators during the period of the movement.

MARITIME COAL TO QUEBEC AND ONTARIO

P.C. 1048 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a Report, dated 28th April, 1932, from the Minister of Mines, submitting that movements of coal from the Maritime Provinces authorized by certain Orders in Council have demonstrated that these coals can with limited assistance secure considerable markets at points in the Provinces of Quebec and Ontario where under existing conditions such coals are at a disadvantage in competing with imported coals. The Minister also observes that a serious condition of unemployment prevails in the coal mining industry of the Maritime Provinces because of a reduction in the markets for the coal that the industry is capable of producing.

The Committee, therefore, on the recommendation of the Minister of Mines, advise—in order to enable coals from the Maritime Provinces to compete to a greater extent in the areas aforementioned—

(1) That movements of coal mined in the Maritime Provinces and shipped to points in Ontario and Quebec be assisted by payments out of such sums as may be provided by Parliament from year to year for the purpose.

(2) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transshipments shall be by the reduction of one-fifth of one per cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed 75 cents per net ton, the amount of said reduction being payable to the railways.

(3) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario for use by consumers other than the railways, the assistance granted for such transshipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1.50 per net ton, the amount of said reduction being payable to the railways.

(4) That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates; provided that the assistance shall in no instance exceed \$2.00 per ton, and shall be effective only from November 15th, to April 15th in each year of the assisted coal movement herein authorized.

(5) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of \$1.00 per net ton payable to the coal mine operators or distributors of the said coal.

(6) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal under the assistance provided by Section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated west of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1.00 per net ton, the amount of said reduction being payable to the railways.

- (7) That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.00 per net ton: Provided that
- (a) for the purpose of this Order in Council the said difference of laid-down cost shall be determined by the Dominion Fuel Board.
- (b) the assistance shall apply only on that quantity of Canadian coal purchased by the railway companies in excess of the quantity of Canadian coal purchased during the year 1931.
- (8) That the assistance shall apply only on movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
- (9) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (10) That the assistance shall not apply on shipments of less than carload lots.
- (11) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (12) That the Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.
- (13) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
- (14) That Order in Council P.C. 1300 of May 30, 1931, be hereby rescinded but that shipments shall be continued on acceptances that were granted under authority thereof until the tonnages authorized have been shipped.

P.C. 415 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated February 24, 1934, from the Minister of Mines, submitting that Section (5) of Order in Council, P.C. 1048 of May 9, 1932, reads as follows:—

- (5) "That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of \$1.00 per net ton payable to the coal mine operators or distributors of the said coal."

The committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section (5) be rescinded, and the following substituted in lieu thereof:—

- "That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal, the assistance granted shall be the sum of one dollar per net ton payable to the coal mine operators or distributors of the said coal; provided that in no case shall the assistance exceed that provided by rail transportation under sections (2) and (3) of the said Order in Council."

P.C. 1676 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 14th July, 1932, from the Minister of Mines, submitting that Section (4) of Order in Council of 9th May, 1932, reads as follows:—

- (4) "That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates; provided that the assistance shall in no instance exceed \$2.00 per ton, and shall be effective only from November 15th, to April 15th in each year of the assisted coal movement herein authorized."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section (4) be rescinded and the following substituted in lieu thereof:—

- That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario, for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates; provided that the assistance shall in no instance exceed \$2.00 per ton.

P.C. 2563 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 10th November, 1932, from the Minister of Mines, submitting that subsection (b) of section 7 of Order in Council of 9th May, 1932—P.C. 1048—with reference to movements of coal from the Maritime Provinces to points in Ontario and Quebec—reads as follows:—

- (b) The assistance shall apply only on that quantity of Canadian coal purchased by the railway companies in excess of the quantity of Canadian coal purchased during the year 1931.

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said subsection (b) of section 7 be rescinded.

P.C. 604 (*Superseded by P.C. 1119—May 14, 1934*)

The Committee of the Privy Council have had before them a report, dated 25th March, 1933, from the Minister of Mines, with reference to an Order in Council, P.C. 1048 of the 9th May, 1932, Section (7) of which reads as follows:—

- "That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.00 per net ton."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of said Section (7) be rescinded and the following substituted in lieu thereof:—

- "That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of \$2.50 per net ton."

P.C. 1119

The Committee of the Privy Council have had before them a report, dated 14th May, 1934, from the Minister of Mines with reference to an Order in Council of 9th May, 1932 (P.C. 1048) with amendments thereto, which provides assistance to the movement of coal mined in the Maritime Provinces and shipped to consuming points in the Provinces of Quebec and Ontario.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 1048 and amendments thereto be rescinded and that:

- (1) Movements of coal mined in the Maritime Provinces and shipped to points in the Provinces of Ontario and Quebec be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Quebec for use by consumers other than the railways and as hereinafter excepted, the assistance granted for such transshipments shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates, provided that the amount of said reduction shall in no instance exceed 75c. per net ton, the amount of said reduction being payable to the railways.
- (3) That with respect to coal mined in the Province of Nova Scotia and carried by water transportation to St. Lawrence ports and thence transhipped by the railways to points in the Province of Ontario and to the City of Hull in the Province of Quebec for use by consumers other than the railways, the assistance granted for such transshipments shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates provided that the amount of said reduction shall in no instance exceed \$1.50 per net ton, the amount of said reduction being payable to the railways.
- (4) That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario for use by consumers other than the railways, the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates, provided that the assistance shall in no instance exceed \$2 per net ton.
- (5) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal the assistance granted shall be the sum of \$1 per net ton payable to the coal mine operators or distributors of the said coal, provided that in no instance shall the assistance exceed that provided by railway transportation under sections (2) and (3) of this Order in Council.
- (6) That with respect to coal mined in the Maritime Provinces and carried by water transportation to any point situated west of the Island of Montreal under the assistance provided by section (5) hereof, and thence transhipped by the railways to points in the Province of Ontario situated west of the City of Kingston for use by consumers other than the railways, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed \$1 per net ton, the amount of said reduction being payable to the railways.
- (7) That with respect to coal mined in the Maritime Provinces and purchased by railway companies for their own use at points in the Provinces of Quebec and Ontario, payments shall be made to the coal mine operators or coal distributors of the difference in amount per net ton between the laid-down cost to the railways of coal mined in the Maritime Provinces and the laid-down cost at the same points of imported coal that would otherwise be used up to a maximum of \$2 per net ton; Provided that:
 - (a) for the purpose of this Order in Council the said difference of laid-down costs shall be determined by the Dominion Fuel Board.
- (8) That the assistance shall apply only on movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
- (9) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (10) That the assistance shall not apply on shipments of less than carload lots.
- (11) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (12) That the Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (13) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.
- (14) That Order in Council P.C. 1048 of May 9, 1932, and amendments thereto, be hereby rescinded, but that shipments shall be continued on acceptances that were granted under authority thereof until the tonnages authorized have been shipped.

P.C. 870

The Committee of the Privy Council have had before them a report, dated 1st April, 1935, from the Minister of Mines, submitting that Section 4 of Order in Council P.C. 1119 of May 28, 1934, which provides assistance to coal mined in the Maritime Provinces and shipped to consuming points in the Provinces of Quebec and Ontario, reads as follows:—

4. "That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Provinces of Quebec and Ontario for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates provided that the assistance shall in no instance exceed \$2 per net ton."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section 4 be rescinded and the following substituted in lieu thereof:—

"That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Quebec for use by consumers other than the railways, payments shall be made to the railways of the difference in amount per net ton between the laid down cost to the consumer of coal mined in Nova Scotia, and the laid down cost at the same points of imported coal that would otherwise be used up to a maximum of \$2 per net ton; Provided that:

(a) for the purpose of this Order in Council the said difference of laid down costs shall be determined by the Dominion Fuel Board."

"That with respect to coal mined in the Province of Nova Scotia and transported wholly by rail to points in the Province of Ontario for use by consumers other than the railways the assistance granted shall be by payments to the railways of one-seventh of one cent per ton per mile from the existing rail rates provided that the assistance shall in no instance exceed \$2 per net ton."

NEW BRUNSWICK COAL TO QUEBEC AND ONTARIO

P.C. 951

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1299 of 30th May, 1931, which provides assistance to the movement of coal mined in the Province of New Brunswick to points in the Provinces of Quebec and Ontario, will expire on June 30th, 1933.

The Minister recommends, in order to enable New Brunswick coal to continue to compete with foreign coals in Quebec and Ontario markets, that upon expiry of the aforesaid Order in Council:—

1. Movements of coal mined in the Province of New Brunswick and shipped to points in the Provinces of Quebec and Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;
2. The assistance granted shall be the reduction of one-sixth of a cent per ton per mile from the existing rail freight rates provided that the amount of said reduction shall in no instance exceed one dollar and fifty cents per net ton;
3. The amount of said assistance shall be payable to the railways under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
 - (b) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots;
 - (d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
4. The Minister of Mines reserves the right of refusing approval in each and every application under this authority.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council P.C. 1299 of 30th May, 1931, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the 27th May, 1933.

The Committee concur in the foregoing recommendations and submit the same for approval.

SASKATCHEWAN COAL TO MANITOBA AND WESTERN ONTARIO

P.C. 953 (*Superseded by P.C. 1120—May 28, 1934*)

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1301 of May 30th, 1931, which provides assistance to the movement of coal mined in the Province of Saskatchewan, to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances, will expire on June 30th, 1933;

The Minister recommends that upon expiry of the aforesaid Order in Council:—

1. Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in that portion of Ontario west of and including Sioux Lookout and Fort Frances, be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;
2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be by the reduction of one-seventh of one per cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed forty cents per net ton on shipments to points in the Province of Manitoba and shall in no instance exceed one dollar per net ton on shipments to points in the Province of Ontario;
3. The amount of said assistance shall be payable to the railways under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal;
 - (b) That the assistance shall not apply to coal when used for household purposes;
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots;
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient;
4. The Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council, P.C. 1301 of 30th May, 1931, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the 27th May, 1933.

P.C. 1120

The Committee of the Privy Council have had before them a report, dated 15th May, 1934, from the Minister of Mines with reference to an Order in Council, P.C. 953 of May 30th, 1933, which provides assistance to the movement of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council, P.C. 953 be rescinded and that:—

1. Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways, the assistance granted shall be as follows:
 - (a) To points in the Province of Manitoba the assistance granted shall be in the sum of fifteen cents per net ton, the same to be deducted from the existing rail rate and payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be the sum of one dollar per net ton, the same to be deducted from the existing rail rate and payable to the railways.
3. The said assistance shall be payable under the following conditions:
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
4. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 953 of May 30, 1933, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of these acceptances for a period of ninety days from the date of this Order in Council.

P.C. 869

The Committee of the Privy Council, on the recommendation of the Minister of Mines, advise that Order in Council P.C. 1120 of May 28, 1934, which provides assistance to the movement of coal mined in the Province of Saskatchewan and shipped to points in the Provinces of Manitoba and Ontario, be rescinded and that:—

1. Movements of coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
2. With respect to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways the assistance granted shall be as follows:
 - (a) To points in the Province of Manitoba the assistance granted shall be the sum of thirty-five cents per net ton, the same to be deducted from the existing rail rate and payable to the railways.
 - (b) To points in the Province of Ontario the assistance granted shall be the sum of one dollar per net ton, the same to be deducted from the existing rail rate and payable to the railways.
3. The said assistance shall be payable under the following conditions:—
 - (a) That the assistance shall apply only to movements of coal to points where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
4. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority and also the right to reduce the amount payable in each case where, in the opinion of the Minister, circumstances or conditions may warrant it.
5. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
6. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 1120 of May 28, 1934, and whereof the tonnages designated have not been shipped, shipments will continue until completed under the authority of these acceptances for a period of ninety days from the date of this Order in Council when all such acceptances under Order in Council P.C. 1120 will be cancelled.

ALBERTA COAL TO ONTARIO

P.C. 740

The Committee of the Privy Council have had before them a report, dated 18th March, 1933, from the Minister of Mines, submitting that as a result of an extensive study made in connection with the cost of moving coal from the Province of Alberta to consuming points in the Province of Ontario, information is now available from the Board of Railway Commissioners for Canada which makes it expedient for the Government to substitute the following in lieu of Order in Council P.C. 439, of the 10th March, 1928, and amendments thereto, authorizing certain test movements, which have now expired;

The Minister recommends—in view of the desirability of encouraging in so far as economically possible the development of a market in the Province of Ontario for Alberta coal and at the same time creating a uniformity of assistance, based upon reduced rates and maximum amounts authorized for similar movements of coal from other provinces to coal consuming centres—that assistance be granted on such movements of coal as hereinafter provided:—

- (1) That movements of coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to such movements of coal referred to in the above Section (1) the assistance granted shall be by the reduction of \$2.50 per net ton from the existing rail rates when same amount to \$8.00 per net ton or in excess thereof, the amount of said reduction being payable to the railways.

- (3) That the assistance shall apply only on shipments of coal from coal mines or coal properties which were in operation and shipping prior to December 31, 1930.
- (4) That the assistance shall not apply on shipments of less than carload lots.
- (5) That the assistance shall not be granted to those participating who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
- (6) That the Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under this Order in Council each year during the said period.

The Committee concur in the foregoing recommendation and submit the same for approval.

ALBERTA AND BRITISH COLUMBIA CROW'S NEST PASS COAL TO MANITOBA AND WESTERN ONTARIO

P.C. 952 (*Superseded by P.C. 1121—May 28, 1934*)

The Committee of the Privy Council have had before them a report from the Minister of Mines, submitting that the provisions of Order in Council P.C. 1303 of May 30, 1931, as amended by P.C. 827 of April 15, 1932, which provides assistance to the movement of coal mined in the Province of Alberta and in the Crownsnest Pass district of British Columbia, to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances, will expire on June 30, 1933.

The Minister recommends that, upon expiry of the aforesaid Order in Council:—

1. Movements of coal mined in the Province of Alberta and in the Crownsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;

2. With respect to coal mined in the Province of Alberta, and in the Crownsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be as follows:—

(a) To points in the Province of Manitoba the assistance granted shall be by the reduction of one-seventh of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed one dollar and twenty cents per net ton.

(b) To points in that portion of the Province of Ontario west of and including Sioux Lookout and Fort Frances, the assistance granted shall be by the reduction of one-third of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed two dollars per net ton.

(3) With respect to coal purchased by railway companies for their own use at points within the areas herein prescribed the assistance shall apply only on that tonnage of Canadian coal used by the railways over and above the average consumption of Canadian coal at those points during the years 1930, 1931 and 1932;

(4) The amount of said assistance shall be payable to the railways under the following conditions:—

(a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal.

(b) That the assistance shall not apply to coal when used for household purposes.

(c) That the assistance shall not apply to shipments of less than minimum carload lots.

(d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.

(e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.

(5) The Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority;

(6) The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year;

(7) With respect to acceptances issued by the Dominion Fuel Board under the authority of Order in Council P.C. 1303 of 30th May, 1931, as amended by P.C. 827 of 15th April, 1932, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from 27th May, 1933.

The Committee concur in the foregoing recommendations and submit the same for approval.

P.C. 1121

The Committee of the Privy Council have had before them a report, dated 15th May, 1934, from the Minister of Mines with reference to an Order in Council, P.C. 952 of May 30th, 1933, which provides assistance to the movement of coal mined in the Province of Alberta and in the Crownsnest Pass District of the Province of British Columbia to points in the Province of Manitoba and to points in the Province of Ontario west of and including Sioux Lookout and Fort Frances.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 952 be rescinded and that:

1. Movements of coal mined in the Province of Alberta and in the Crownsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose;

2. With respect to coal mined in the Province of Alberta, and in the Crownsnest Pass district of British Columbia and shipped to points in the Province of Manitoba and to points in the Province of Ontario for use by consumers other than the railways and as hereinafter excepted, the assistance granted shall be as follows:

(a) To points in the Province of Manitoba the assistance granted shall be by the reduction of one-twelfth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed seventy cents per net ton, the amount of said reduction being payable to the railways.

(b) To points on the Province of Ontario the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rail rates; provided that the amount of said reduction shall in no instance exceed two dollars per net ton, the amount of said reduction being payable to the railways.

3. With respect to coal mined in the Province of Alberta and in the Crowsnest Pass district in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario east of and including Carriek, Decimal and Eagle River, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways.
4. The said assistance shall be payable under the following conditions:
 - (a) That the assistance shall apply only to movements of coal where the Canadian coal to be used is at a disadvantage in competing with foreign coal.
 - (b) That the assistance shall not apply to coal when used for household purposes.
 - (c) That the assistance shall not apply to shipments of less than minimum carload lots.
 - (d) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (e) That the assistance shall not be granted to shippers or distributors who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by shippers or the railways in connection with this movement and make such examination thereof as may be considered necessary or expedient.
5. The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
6. The Dominion Fuel Board be charged with the duty of administering this Order in Council and be required to report to the Minister of Mines as to the amounts paid under the provisions thereof each year.
7. With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 952 of May 30, 1933, and whereof the tonnages designated have not been shipped, shipments may be continued under the authority of those acceptances for a period of ninety days from the date of this Order in Council.

P.C. 871

The Committee of the Privy Council have had before them a Report, dated 1st April, 1935, from the Minister of Mines, submitting that Section 3 of Order in Council P.C. 1121 of May 28, 1934, which provides assistance to coal mined in the Province of Alberta and in the Crowsnest Pass District of the Province of British Columbia, and shipped to points in the Provinces of Manitoba and Ontario east of and including Carriek, Decimal and Eagle River, reads as follows:

3. "With respect to coal mined in the Province of Alberta and in the Crowsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario east of and including Carriek, Decimal and Eagle River, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways."

The Committee, on the recommendation of the Minister of Mines, advise that the provisions of the said Section 3 be rescinded and the following substituted in lieu thereof:—

"With respect to coal mined in the Province of Alberta and in the Crowsnest Pass District in the Province of British Columbia and purchased by railway companies for their own use in that area in the Provinces of Manitoba and Ontario between and including Carriek (Man.), Decimal (Man.), and Eagle River (Ont.) on the Western boundary and Sioux Lookout, Ignace and Fort Frances on the Eastern boundary, the assistance granted shall be by the reduction of one-fifth of one cent per ton per mile from the existing rates provided that the amount of said reduction shall in no instance exceed *two dollars per net ton*, the amount of said reduction being payable to the railways."

BRITISH COLUMBIA COAL FOR BUNKER AND EXPORT

P.C. 954 (*Superseded by P.C. 1122—May 28, 1934*)

The Committee of the Privy Council have had before them a report, from the Minister of Mines, submitting that the provisions of Order in Council, P.C. 1302 of May 30, 1931, as amended by P.C. 2699 of October 27, 1931, which provides assistance to the movement of coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries, will expire on June 30, 1933.

The Minister recommends, in order to enable British Columbia coal to continue to compete with foreign coals for bunkering and export markets, that upon expiry of the aforesaid Orders in Council:

1. With respect to coal mined in the Province of British Columbia and sold for fuel for ships' stores or for export to foreign countries assistance shall be granted by payments out of such sums as may be provided by Parliament from year to year for that purpose.
2. The said payments shall be the sum of fifty cents per gross ton on coal sold as fuel for ships' stores and the sum of one dollar per gross ton on coal sold for export to foreign countries, and shall be paid to coal producers or coal distributors under the conditions set forth as follows:
 - (a) That the assistance shall apply to coal for fuelling ocean going vessels but not for fuelling vessels navigating entirely in inland waters;
 - (b) That the assistance shall apply to coal exported to foreign countries but not to coal exported for consumption in the United States of America;
 - (c) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930;
 - (d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this assistance; and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by coal producers or distributors in connection with this assistance and make such examination thereof as may be considered necessary or expedient;
 - (e) That total annual payments to be made under this authority shall not exceed the sum of One Hundred Thousand dollars.
3. The Minister of Mines reserves the right of refusing approval in each and every application for assistance under this authority;
4. The Dominion Fuel Board be charged with the duty of administering this Order in Council and shall report to the Minister of Mines as to the amounts paid under the provisions thereof each year.

The Committee concur in the foregoing recommendations and submit the same for approval.

P.C. 1122

The Committee of the Privy Council have had before them a report, dated 18th May, 1934, from the Minister of Mines with reference to an Order in Council P.C. 954 of 30th May, 1933, which provides assistance to coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries.

The Committee, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 954 be rescinded and that:

- (1) With respect to coal mined in the Province of British Columbia and sold for fuel for ships' stores or for export to foreign countries, assistance shall be granted out of such sums as may be provided by Parliament from year to year for that purpose.
- (2) That with respect to coal mined in the Province of British Columbia and sold for fuel as ships' stores, the assistance granted shall be the sum of fifty cents per net ton on a tonnage up to and including 60,000 net tons in any one year; any tonnage above the said 60,000 sold for fuel as ships' stores in the same year shall be granted assistance at the rate of one dollar per net ton, the assistance being payable to the coal mine operators or distributors.
- (3) That with respect to coal mined in the Province of British Columbia and sold for export to foreign countries, as hereinafter excepted, the assistance granted shall be the sum of one dollar per net ton, payable to the coal mine operators or distributors under the conditions set forth as follows:
 - (a) That the assistance shall apply to coal for fuelling ocean going vessels but not for fuelling vessels navigating entirely in inland waters.
 - (b) That the assistance shall apply to coal exported to foreign countries but not to coal exported for consumption in the United States of America.
 - (c) That the assistance shall apply only to shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
 - (d) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines may consider necessary in the administrative duties connected with this assistance, and that for the purpose of certifying such information the Minister of Mines or such officers of the Dominion Fuel Board as he may designate shall have free access to all books, records or accounts kept by coal producers or distributors in connection with this assistance and make such examination thereof as may be considered necessary or expedient.
- (4) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (5) The Dominion Fuel Board be charged with the duty of administering this Order in Council and shall report to the Minister of Mines as to the amounts paid under the provisions thereof each year.

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