

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR

1940

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PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1942

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—Aerated Waters, 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 Lithography; 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 Primary Iron and Steel—(Pig Iron and Ferro-Alloys; Steel and Rolled Products); Iron Castings; Heating and Cooking Apparatus; Boilers, Tanks and Engines; Farm Implements; Machinery; Automobiles; Auto Parts; Aircraft; Shipbuilding; Bicycles; Railway Rolling Stock; Wire and Wire Goods; Sheet Metal Products; Hardware, Tools and Cutlery; 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—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; Medicinal and Pharmaceutical Preparations; Paints, Pigments and Varnishes; Soaps and Washing Compounds—Toilet Preparations; Inks; Adhesives; Polishes and Dressings; Hardwood 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) Explosives, Ammunition and Fireworks; (i) 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 Utittles**, 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 Dominion Bureau of Statistics issues statistical information on coal and coke through three channels: (1) a monthly bulletin issued about 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 on coal in permanent form. In the monthly report early publication is the primary consideration, the production figures being assembled by postcard and by telegram.

The entire Canadian coal and coke industry has, since December, 1939, been subjected to Government licensing under the Wartime Prices and Trade Board. No Company or individual is permitted to operate without a licence, the order applying to manufacturers, importers, exporters, producers, jobbers, wholesalers and retailers of coal and coke. The licence system has been adopted "to keep the Government adequately informed of the situation surrounding the production, importation and distribution of coal, to assure an adequate distribution of coal and to protect the public against any undue advance in price."

Government assistance to the coal mining industry, as rendered by the Fuel Research Laboratories of the Canadian Bureau of Mines, Department of Mines and Resources, was continued during the year. This work comprised research on preparation, storage and other properties of the country's coals with a view to their increased use in Canadian plants. A special study of the physical and chemical characteristics of the coals from all collieries producing "bituminous" (and sub-bituminous) coals has been in progress during recent years, and in view of the necessity for making changes in mining operation and preparation and in methods of sales the results of this survey are of considerable importance. The first part pertaining to tippie samples representing the coals as mined is now complete for the Maritime Provinces, Alberta and British Columbia, and the second part dealing with commercial grades of coal as delivered to the market is in progress. Research on the amenability of various Canadian coals to hydrogenation was further studied throughout the year in order that when such a process becomes economic information will be available as to the suitability of such coals for the production of crude oil and its products.

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 Bureau gratefully acknowledges its indebtedness to the governments of the coal-producing provinces for co-operation in this connection, and to the members of the Dominion Fuel Board for their assistance.

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.

S. A. CUDMORE,
Acting Dominion Statistician.

DOMINION BUREAU OF STATISTICS,
OTTAWA, July 6, 1942.

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.

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

The coal import data shown in the Trade Reports include only the tonnages 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. Anthracite coal enters Canada duty free under the British Preferential Tariff, but under the Intermediate and General Tariffs it is subject to a customs duty of 50 cents per ton. In addition to the customs duty, there is payable, under the General Tariff, a special excise tax of 3% on the duty paid value, and, under the Intermediate and General Tariffs, the war exchange tax of 10% on the value for duty. This latter tax of 10% applies only to importations made on and after the 25th June, 1940. The bituminous coal data shows considerable difference, due to the fact that the customs duty on imported bituminous coal is 35 cents per ton (up to and including December 1, 1940) and free (on and after December 2, 1940) under the British Preferential Tariff, and 75 cents per ton under the Intermediate and General Tariffs, plus the taxes referred to above, which results in large quantities of this coal, imported for industrial use, remaining at the port of entry until required. In addition to these import data a close check is maintained on the regional rail and water movements of anthracite and bituminous coal. A record of the exports of Canadian coal by ports of exit is also maintained.

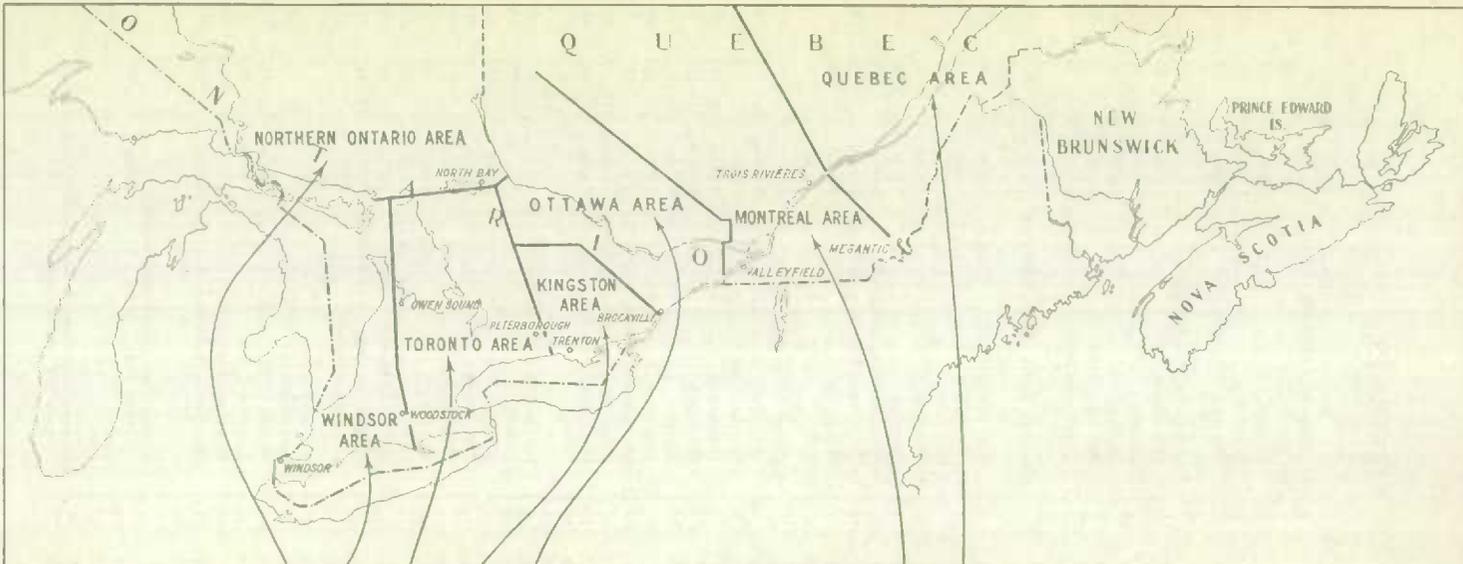
(3) PUBLICATIONS OF THE BUREAU ON COAL

The Bureau issues the following reports:

- (1) A condensed bulletin 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 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) An annual report on production, imports, distribution, labour, capital, world production by countries, orders-in-council relating to movements of Canadian coal, etc.

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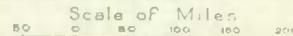


	ONTARIO	WINDSOR	TORONTO	KINGSTON	OTTAWA
ANTHRACITE					
GREAT BRITAIN Imported direct	944	—	124,350	1,244	—
Received ex-Montreal	16,345	244	110,322	11,544	104,422
UNITED STATES Imported direct	26,303	195,438	1,526,048	87,100	105,681
TOTAL	43,675	195,682	1,762,720	79,888	210,103
BITUMINOUS					
UNITED STATES	2,392,464	2,241,783	5,685,688	375,294	818,183
NOVA SCOTIA Received ex-Montreal	380,744	40,138	279,177	22,074	258,442
Received ex-mines...			53,155		
NEW BRUNSWICK Received ex-mines...			1,531		
ALBERTA Received ex-mines...			395,628		
BRITISH COLUMBIA Received ex-mines...			165,749		
LIGNITE					
SASKATCHEWAN			17,817		
ALBERTA			76,597		

	MONTREAL	QUEBEC
ANTHRACITE		
GREAT BRITAIN	† 700,474	† 114,081
UNITED STATES	642,655	42,964
TOTAL	1,343,129	157,045
BITUMINOUS		
GREAT BRITAIN	120,195	45,673
UNITED STATES	1,280,699	51,203
NOVA SCOTIA	† 2,361,950	
NEW BRUNSWICK	53,745	

† Excludes coal shipped into this area and then trans-shipped to Ontario points

RECEIPTS OF COAL IN ONTARIO AND QUEBEC BY AREAS 1940 (Short Tons)



DOMINION BUREAU OF STATISTICS

S. A. CUDMORE, M.A., (OXON), F.S.S., F.R.S.C., Acting Dominion Statistician.

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

COAL STATISTICS FOR CANADA

FOR THE CALENDAR YEAR 1940

CHAPTER ONE

CANADA

Canadian coal mines produced 17,566,884 tons of coal valued at \$54,675,844 during 1940; in the preceding year, 15,692,698 tons worth \$48,676,990 were produced while in 1938 the output totalled 14,294,718 tons worth \$43,982,171. Bituminous coal output during 1940 amounted to 13,333,037 tons, sub-bituminous 598,686 tons and lignite 3,635,161 tons.

Nova Scotia's output rose 11.3 per cent in 1940 and aggregated 7,848,921 tons. Production from New Brunswick mines was 16.8 per cent higher at 547,064 tons. Manitoba produced 1,697 tons as against 1,138 tons in 1939. Saskatchewan operators reported an output of 1,097,517 tons or 14.3 per cent above the previous year's total of 960,000 tons. Alberta's production totalled 6,203,839 tons made up of 3,069,206 tons of bituminous coal, 598,686 tons of sub-bituminous coal and 2,535,947 tons of lignite coal. In 1939 Alberta mines produced 5,519,208 tons consisting of 2,556,944 tons of bituminous coal, 512,101 tons of sub-bituminous coal and 2,450,163 tons of lignite coal. A 10.3 per cent increase was recorded in British Columbia's output in 1940 compared with the preceding year; the totals were 1,867,846 tons and 1,692,755 tons, respectively. No coal has been produced in the Yukon since 1938.

Canadian coal exported in 1940 amounted to 504,898 tons; this represented an increase of 34.2 per cent over the tonnage exported a year ago. Ports in Nova Scotia, New Brunswick and Quebec cleared 310,495 tons of Canadian coal in 1940; exportations through the western ports totalled 194,403 tons. Canada re-exported foreign coal in 1940 to a total of 55,584 tons compared with 119,487 tons in 1939.

Imports of coal into Canada in 1940 were 26.4 per cent higher at 17,546,060 tons. Anthracite coal importations during the year amounted to 3,964,862 tons and consisted of 2,643,588 tons from the United States and 1,321,274 tons from Great Britain. The United States supplied 66.7 per cent of the Canadian anthracite requirements in 1940 compared with 65.5 per cent in the preceding year and 48.4 per cent in 1935. Great Britain supplied 33.3 per cent of Canada's requirements of this coal during the year as against 26 per cent in 1939 and 42.1 per cent in 1935. Receipts of bituminous coal totalled 13,578,705 tons or 37.1 per cent above the 1939 total. Lignite coal imports amounted to 2,493 tons in 1940.

Employment was furnished by Canadian coal mines to 25,128 wage-earners, on the average; in 1939, the average number of those employed was 25,200. Mines in Nova Scotia and New Brunswick employed 14,355 wage-earners during the year while those in the western provinces employed 10,773 men. Surface workers averaged 276 days work in 1940 and underground workers 245 days. In addition to these men, there were 1,306 salaried employees on the mine pay-rolls. All employees working in or about the Canadian coal mines received salaries and wages totalling \$34,043,162 in 1940 compared with a total pay-roll of \$30,720,991 a year ago.

Coal made available for consumption in Canada during the year amounted to 34,608,046 tons or 18 per cent above the tonnage made available in 1939. These figures do not represent the quantity consumed during the year but are the actual tonnages of new coal made available for use in 1940.

In addition to coal consumption, Canada's fuel requirements include coke, natural and artificial gas, fuel oil, wood and electricity, all of which are used for both industrial and domestic purposes.

In 1940 Canadian producers sold 246,816 tons of coke (made from coal) for domestic use; 1,238,710 tons were used in metallurgical works operated by producing companies; 222,877 tons were used by coke plants as fuel or to make water gas; 507,627 tons were sold for other uses. Stocks at coke plants at the end of 1940 totalled 289,416 tons or 21,661 tons less than at the end of 1939. Imports of coke into Canada rose to 719,338 tons from the 1939 total of 435,871 tons. The manufacturers of coke and gas in Canada used 1,418,671 tons of domestic coal and 2,702,278 tons of imported coal in 1940.

The production of petroleum coke during the year amounted to 68,334 tons; imports totalled 185,334 tons and exports 4,807 tons. Sales for domestic and industrial heating totalled 44,392 tons in 1940 compared with 36,949 tons in the preceding year. On December 31, 1940 stocks of petroleum coke in the hands of fuel dealers, distributors, importers and in storage at refineries totalled 183,579 tons as against 147,836 tons at the end of 1939.

Natural gas production totalled 41,232,125 thousand cubic feet. Of this, 616,041 thousand cubic feet were produced in New Brunswick, 13,053,403 in Ontario, 27,459,808 in Alberta, and the remainder was obtained from wells in Saskatchewan, Manitoba and the Northwest Territories.

Manufactured gas, sold and used, amounted to 55,105,172 thousand cubic feet in 1940, including 45,019,439 thousand cubic feet from by-product ovens and 10,085,733 thousand cubic feet from gas plants. Sales of gas by the producers totalled 15,392,723 thousand cubic feet, of which 8,744,090 thousand cubic feet were from by-product ovens and 6,648,633 thousand cubic feet were from gas works. Most of the remaining gas was used as a fuel in the producing plants or in their associated metallurgical works. These figures do not include 41,055 thousand cubic feet of (Pintsch) oil gas for lighting railway cars, 8,706,834 thousand cubic feet of still gas recovered at petroleum refineries, nor iron blast furnace gas and some producer gas which was recovered and used by the producers but for which no records are available.

Canada's supply of fuel and gas oils made available in 1940 amounted to 776.6 million imperial gallons as against 647.3 million imperial gallons a year ago. The Canadian consumption of fuel oil in 1940 included 150.0 million gallons for domestic and building heating, 241.3 million gallons for industrial use, 248.6 million gallons for bunkering purposes, 55.3 million gallons for railways and 30.6 million gallons for tractor fuel. A possible coal displacement of 993,377 tons was indicated by the quantity of fuel oil used for domestic heating in 1940.

Table 1.—Output of Coal from Canadian Mines, 1785-1940

Year	Short tons	Value \$	Average per ton \$	Year	Short tons	Value \$	Average per ton \$
1785-1866	2,863,826	4,905,462	1-71	1905	8,667,948	17,520,263	2-02
1867	631,320	1,050,725	1-67	1906	9,762,601	19,732,019	2-02
1868	623,392	1,073,061	1-72	1907	10,511,426	24,381,842	2-32
1869	687,823	1,155,282	1-68	1908	10,888,311	25,194,573	2-31
1870	752,635	1,243,139	1-65	1909	10,501,475	21,781,256	2-36
1871	3,033,152	5,073,331	1-67	1910	12,909,152	30,909,779	2-39
1872				11,323,388	26,467,646	2-34	
1873				14,512,829	36,019,044	2-48	
1874				15,012,178	37,334,940	2-49	
1875	1,063,742	1,763,423	1-66	1913	13,637,529	33,471,801	2-45
1876	1,039,974	1,747,016	1-68	1914	13,267,023	32,111,182	2-42
1877	994,762	1,729,546	1-74	1915	14,046,759	33,817,481	2-68
1878	1,036,670	1,704,415	1-73	1916	14,483,395	38,197,481	2-68
1878	1,089,744	1,941,285	1-78	1917	14,046,759	43,109,831	3-08
1879	1,126,497	2,050,630	1-82	1918	14,977,926	55,192,896	3-68
1880	1,482,714	2,657,194	1-79	1919*	13,919,096	55,622,670	3-99
1881	1,537,106	2,688,821	1-75	1920*	16,946,764	82,496,538	4-86
1882	1,848,148	3,248,446	1-76	1921*	15,057,993	72,451,693	4-81
1883	1,818,684	3,109,635	1-71	1922*	15,157,431	65,518,497	4-32
1884	1,984,959	3,593,831	1-81	1923*	16,990,571	72,058,986	4-24
1885	1,920,977	3,417,807	1-78	1924*	13,638,197	53,593,988	3-93
1886	2,116,653	3,739,840	1-77	1925*	13,134,968	49,261,951	3-75
1887	2,429,330	4,388,206	1-81	1926*	16,478,131	59,875,094	3-63
1888	2,602,552	4,674,140	1-80	1927*	17,426,861	61,867,663	3-55
1889	2,658,303	4,894,287	1-84	1928*	17,564,293	63,757,833	3-63
1890	3,084,682	5,676,247	1-84	1929*	17,496,557	63,065,170	3-60
1891	3,577,749	7,019,425	1-96	1930*	14,881,324	52,840,748	3-55
1892	3,287,745	6,363,757	1-94	1931*	12,243,211	41,207,682	3-37
1893	3,783,499	7,359,080	1-95	1932*	11,738,913	37,117,695	3-16
1894	3,847,070	7,429,468	1-93	1933*	11,903,344	35,923,962	3-02
1895	3,478,344	6,739,153	1-94	1934*	13,810,193	42,045,942	3-04
1896	3,745,716	7,226,462	1-93	1935*	13,888,006	41,963,110	3-02
1897	3,766,107	7,303,597	1-93	1936*	15,229,182	45,791,934	3-00
1898	4,173,108	8,224,288	1-97	1937*	15,835,954	48,752,048	3-08
1899	4,925,051	10,283,497	2-09	1938*	14,294,718	43,982,171	3-08
1900	5,777,310	13,742,178	2-38	1939*	15,692,698	48,676,990	3-10
1901	6,486,325	12,609,243	1-96	1940*	17,566,884	54,675,844	3-11
1902	7,466,681	15,210,877	2-04				
1903	7,960,364	15,942,833	2-00	Total	614,372,649	1,847,449,372	3-01
1904	8,254,595	16,592,231	2-01				

*For the years 1919-1940 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 2.—Output of Coal in Canada, by Grades, 1918-1940

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		11,638,190				3,226,331		14,977,926	55,192,896
1919	85,579		10,892,026				2,941,471		13,919,096	55,622,670
1920	127,513		13,122,924				3,686,327		16,945,764	82,496,538
1921	96,964	330,899	11,690,477	58,848,444			3,289,052	13,272,513	65,057,493	72,451,656
1922	40,417	122,538	11,630,488	53,348,507			3,488,528	12,047,452	15,157,431	65,518,497
1923	107	322	12,941,877	58,478,670	466,492	1,399,424	3,582,085	12,180,570	16,990,571	72,058,986
1924			9,493,732	10,662,894	590,168	1,761,086	3,564,297	11,170,008	13,638,197	53,593,988
1925			8,939,007	36,793,501	570,654	1,731,267	3,624,707	10,737,181	13,134,968	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	61,867,663
1928			12,971,744	50,584,108	740,495	2,076,219	3,852,053	11,097,513	17,561,292	63,757,833
1929			12,859,822	49,995,261	668,702	1,908,954	3,968,031	11,160,955	17,496,557	63,065,170
1930			10,824,839	41,789,061	603,358	1,705,236	3,453,127	9,355,451	14,881,324	52,840,748
1931			8,861,360	33,165,730	471,343	1,211,197	2,910,598	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
1935			9,748,841	33,150,781	566,425	1,410,926	3,572,740	7,401,403	13,888,006	41,963,110
1936			10,796,135	36,256,347	566,235	1,432,741	3,866,812	8,102,846	15,229,182	45,791,934
1937			11,634,379	39,661,259	506,260	1,314,196	3,695,315	7,776,593	15,835,954	48,752,048
1938			10,329,789	35,403,781	488,915	1,269,131	3,474,021	7,309,250	11,291,718	43,982,171
1939			11,769,296	40,119,905	512,101	1,323,401	3,411,301	7,233,681	15,692,698	48,676,990
1940			13,333,037	45,350,950	598,686	1,569,771	3,635,161	7,755,123	17,566,884	54,675,844

*Not separately reported prior to 1923.

Table 3.—Output and Value of Coal in Canada, by Kinds and by Provinces, 1939 and 1940

(Short tons)

Province	1939			1940		
	Number of mines	Quantity	Value	Number of mines	Quantity	Value
			\$			\$
NOVA SCOTIA (Bituminous).....	40	7,051,176	25,611,271	42	7,848,921	28,766,195
NEW BRUNSWICK (Bituminous).....	34	468,421	1,566,359	33	547,064	1,961,863
MANITOBA (Lignite).....	1	1,138	3,110	1	1,697	4,037
SASKATCHEWAN (Lignite).....	*122	960,000	1,255,862	110	1,097,517	1,408,540
ALBERTA—						
Bituminous.....	18	2,556,944	7,117,168	17	3,069,206	8,465,642
Sub-bituminous.....	19	512,101	1,323,401	18	598,686	1,569,771
Lignite.....	236	2,450,163	5,974,712	226	2,535,947	6,342,546
Total.....	423	5,519,208	14,415,281	461	6,203,839	16,377,959
BRITISH COLUMBIA (Bituminous).....	24	1,692,755	5,825,107	22	1,867,846	8,157,250
YUKON (Bituminous).....						
Canada—						
Bituminous.....	116	11,769,296	40,119,965	114	13,333,637	45,356,950
Sub-bituminous.....	19	512,101	1,323,401	18	598,686	1,569,771
Lignite.....	359	3,411,701	7,233,684	337	3,635,161	7,755,123
Total.....	494	15,692,698	48,676,990	469	17,566,884	54,675,844

*Exclusive of 35 small mines in operation during part of 1939 and 30 small mines operating during part of 1940.

†Exclusive of 30 small mines operated under special permits in 1939 and 28 small mines in 1940.

Table 4.—Output of Coal from Canadian Mines, by Months, 1936-1940

(Short tons)

Month	1936	1937	1938	1939	1940
January.....	1,391,288	1,499,326	1,470,964	1,206,312	1,732,885
February.....	1,492,431	1,286,374	1,409,036	1,306,555	1,490,395
March.....	1,028,417	1,110,599	1,222,621	1,187,069	1,341,189
April.....	937,740	989,653	873,193	923,044	1,273,015
May.....	999,754	1,078,603	1,020,606	1,146,747	1,267,687
June.....	1,038,224	1,073,670	934,750	1,117,018	1,159,942
July.....	1,064,843	1,145,334	825,940	1,109,752	1,253,787
August.....	1,056,032	1,241,948	1,012,901	1,285,424	1,398,145
September.....	1,448,051	1,421,383	1,117,269	1,385,436	1,366,391
October.....	1,808,166	1,712,368	1,503,608	1,798,634	1,734,009
November.....	1,467,155	1,689,747	1,552,841	1,740,879	1,878,344
December.....	1,497,081	1,606,948	1,350,986	1,485,826	1,671,095
Total.....	15,229,182	15,835,954	14,794,718	15,692,698	17,566,884

Table 5.—Output and Value of Coal in Canada, by Kinds and by Months, 1940

Month	Bituminous		Sub-Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$
January.....	1,158,266	3,857,683	64,257	168,783	510,362	1,088,169	1,732,885	5,114,635
February.....	1,123,198	3,688,663	45,600	119,216	321,597	668,439	1,490,395	4,476,348
March.....	1,066,716	3,498,428	35,404	89,162	239,069	458,398	1,341,189	4,045,888
April.....	1,068,868	3,545,826	32,948	78,114	171,199	307,799	1,273,015	3,931,739
May.....	1,146,485	3,756,706	35,533	91,299	85,089	137,311	1,267,687	3,986,316
June.....	1,049,701	3,541,678	35,639	89,490	74,602	119,866	1,159,992	3,251,343
July.....	1,127,212	3,898,610	37,731	99,625	88,844	162,108	1,253,787	4,160,343
August.....	1,171,125	4,008,560	48,859	134,297	178,161	400,901	1,398,115	4,542,761
September.....	1,053,119	3,683,769	49,248	131,743	264,033	589,317	1,366,391	4,401,829
October.....	1,140,907	4,051,373	60,529	164,170	532,573	1,244,650	1,731,009	5,160,193
November.....	1,142,587	3,984,145	71,624	200,089	664,133	1,500,015	1,878,311	5,684,249
December.....	1,084,882	3,835,179	81,314	203,774	504,899	1,078,147	1,671,095	5,117,100
Total.....	13,333,637	45,356,950	598,686	1,569,771	3,635,161	7,755,123	17,566,884	54,675,844

Table 6.—Tonnage Lost in the Coal Mines of Canada, in 1939 and 1940 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.....	1939	73	27	1-9	22-9	0-1	0-8	1-3
	1940	80	20	5-4	9-4	1-5	1-7	2-0
NEW BRUNSWICK.....	1939	82	18	2-2	13-2	.....	1-2	1-4
	1940	88	12	3-2	6-2	.....	1-7	0-9
MANITOBA.....	1939	88	12	.....	12-0	.....	.....	.....
	1940	76	24	.....	24-0	.....	.....	.....
SASKATCHEWAN.....	1939	85	15	0-2	14-3	.....	0-2	0-3
	1940	81	19	.....	19-0	.....	.....	.....
ALBERTA.....	1939	71	29	0-5	28-2	.....	0-2	0-1
	1940	76	24	0-8	22-8	.....	0-3	0-1
BRITISH COLUMBIA.....	1939	79	21	0-3	19-9	0-2	0-1	0-5
	1940	85	15	0-1	14-0	0-7	.....	0-2
Canada.....	1939	74	26	1-1	23-8	.....	0-4	0-7
	1940	79	21	2-8	15-4	0-8	1-6	1-0

Table 7.—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 1940

Month	Per cent produced	Per cent lost	Percentage lost through				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
January.....	78	22	1-0	19-8	.....	0-5	0-7
February.....	75	25	1-3	23-0	.....	0-4	0-3
March.....	73	27	2-6	21-7	0-1	0-6	2-0
April.....	75	25	1-5	21-5	.....	1-3	0-7
May.....	79	21	1-5	17-9	.....	0-6	1-0
June.....	80	20	3-8	13-0	1-1	0-7	1-4
July.....	80	20	3-4	11-8	1-7	2-0	1-1
August.....	78	22	3-1	14-7	2-1	0-9	1-2
September.....	79	21	2-9	14-5	1-3	1-5	0-8
October.....	84	16	2-9	10-3	1-0	1-2	0-6
November.....	89	11	2-9	6-4	0-3	0-7	0-7
December.....	81	19	6-4	9-5	1-0	0-6	1-5
Total.....	79	21	2-8	15-4	0-8	1-6	1-0

Table 8.—Disposition of Coal from Canadian Mines, 1939 and 1940

	1939			1940						
	Total coal	Total value	Average value per ton	Run-of-mine	Cobble and Lump	Nut and other grades	Slack	Total coal	Total value	Average value per ton
	Tons	\$	\$	Tons	Tons	Tons	Tons	Tons	\$	\$
Supplied to employees for domestic consumption.....	185,554	549,446	2.96	146,116	40,649	7,559	775	195,099	553,670	2.84
Used for power purposes—										
(a) Shops.....	44,204	172,081	3.89	303	1,359	31,897	37,882	71,441	294,594	4.12
(b) Colliery boilers.....	506,815	1,338,664	2.64	93,385	3,033	64,846	281,796	443,060	1,145,185	2.58
(c) Companies' railroads.....	53,575	188,834	3.52	26,967	19,534	12,049	137	58,687	210,442	3.59
(d) Harbour tugs and dredges.....	1,370	4,681	3.42	1,434				1,434	5,462	3.81
Shipped. (See Table 10)—										
(a) Ships' bunkers.....	560,793			309,831	99,421	58,553	21,797	489,602		
(b) Railroads.....	3,599,263	45,717,239	3.21	3,639,539	741,895	56,378	167,063	4,604,875	51,995,240	3.22
(c) Other.....	10,092,803			1,226,657	3,394,391	1,585,484	4,833,073	11,039,605		
Used in making coke at colliery.....	190,806	458,420	2.40				204,953	204,953	466,525	2.28
Used in making briquettes.....	43,875	136,593	3.11				62,376	62,376	194,665	3.12
Put on bank.....	1,599,306	5,242,653	3.28	40,590	710,454	41,270	1,156,480	1,948,794	6,390,965	3.28
Put on waste heap.....	356,319						470,588			
Total disposition.....	17,231,743	53,808,611	3.12	5,484,822	5,010,736	1,858,636	6,766,332	19,596,514	61,256,778	3.13
Lifted from bank.....	1,537,396	5,131,821	3.34	43,698	749,647	37,516	1,175,518	2,006,379	6,580,934	3.28
Lifted from waste heap.....	4,649							17,251		
Total output.....	15,692,698	48,676,990	3.10	5,441,124	4,261,689	1,820,520	5,596,814	17,566,884	54,675,844	3.11

Table 9.—Disposition of Coal from Canadian Mines, by Provinces, 1940

(Short tons)

	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbin	Canada
Supplied to employees for domestic consumption.....	130,049	5,712	43	1,810	41,498	15,987	195,099
Coal shipped. (See Table 10).....	7,254,482	534,698	1,499	1,033,650	5,769,273	1,540,480	16,134,082
Used under colliery boilers, etc.....	266,061	3,809	140	12,604	132,229	28,217	443,060
Used by companies' railroads.....	36,917	1,200		9,521	7,489	3,560	58,687
Used for manufacture of coke at colliery.....					105,926	99,027	204,953
Used in making briquettes.....					62,376		62,376
Used in shops, etc.....	71,441						71,441
Used by harbour tugs and dredges.....	1,434						1,434
Put on bank.....	1,786,799	6,005		36,781	51,120	68,089	1,948,794
Put on waste heap.....	157,372	903	15	39,080	90,118	183,100	470,588
Total disposition.....	9,704,555	552,327	1,697	1,133,446	6,266,629	1,938,460	19,596,514
Lifted from bank.....	1,843,116	5,263		35,929	53,319	68,752	2,006,379
Lifted from waste heap.....	12,518				2,871	1,862	17,251
Total output.....	7,848,921	547,064	1,697	1,097,517	6,283,839	1,867,846	17,566,884

Table 10.—Shipments of Coal from Canadian Mines, by Grades and Destinations, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Run-of-mine	Cobble and Lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble and Lump	Nut and other grades	Slack	Total
Prince Edward Island	6,670	49,543	4,102	16,689	77,004	4,511	53,200	3,792	15,146	76,649
Nova Scotia	145,753	386,788	34,508	643,387	1,410,436	195,305	538,966	43,584	1,212,613	1,990,468
New Brunswick	184,902	136,564	26,595	333,966	682,027	229,230	188,633	30,804	394,249	842,976
Quebec	160,830	1,167,604	140,262	1,681,563	3,150,259	247,757	887,817	84,936	1,716,002	2,936,512
Ontario	9,601	50,189	29,324	41,464	136,578	5,395	73,221	58,916	96,401	233,933
Manitoba	35,109	270,316	285,495	334,392	926,312	28,659	256,117	312,182	392,648	989,606
Saskatchewan	182,042	665,308	407,764	233,501	1,488,615	170,261	643,014	448,165	273,537	1,531,977
Alberta	246,964	399,340	301,114	206,941	1,214,359	295,474	419,523	305,400	253,554	1,273,951
British Columbia	31,663	198,988	259,922	250,570	741,143	27,781	185,346	258,251	303,492	774,870
Yukon							14			14
Northwest Territories										
Total domestic shipments	1,004,534	3,330,640	1,489,086	4,002,473	9,826,733	1,204,373	3,245,851	1,546,090	4,657,642	10,653,956
Railroads—										
In Canada	2,735,462	629,757	74,295	116,764	3,556,278	3,627,974	601,302	50,378	106,991	4,512,705
In United States	11,307				11,307	11,565			72	11,637
In Newfoundland		31,678			31,678		50,533			50,533
Ships' bunkers	307,773	161,167	89,364	2,489	560,793	309,831	99,421	58,553	21,797	489,602
Total railroads and ships' bunkers	3,054,542	822,602	163,659	119,253	4,160,056	3,949,370	841,316	114,931	188,860	5,694,477
United States	2,630	19,875	29,121	99,648	151,274	6,785	13,520	27,354	118,105	165,764
Alaska		9,251	338		9,589		8,183	729	131	9,043
Newfoundland	29,126	72,219	448		101,793	14,853	110,299	368	30,952	156,472
St. Pierre	181	2,244			2,425		646			3,356
Chile							9,737	5,418	452	15,607
Japan							4,061	5,525	25,791	35,407
Lost at sea		889			889					
Total external shipments	31,937	104,578	29,907	99,648	266,070	22,284	148,540	39,394	175,431	385,649
Total	4,091,913	4,257,820	1,682,652	4,221,374	14,252,859	5,176,027	4,233,707	1,700,415	5,021,933	16,134,682

Table 11.—Exports of Canadian Coal, 1873-1940

(Compiled in the External Trade Branch)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
1873	420,683	\$	1896	1,106,661	\$	1919	2,070,650	12,438,855
1874	310,988		1897	986,130		1920	2,558,174	18,014,899
1875	250,348		1898	1,150,029		1921	1,987,251	13,896,370
1876	248,638		1899	1,293,169		1922	1,818,582	11,159,060
1877	301,317		1900	1,787,777		1923	1,654,406	10,661,399
1878	327,959		1901	1,673,661		1924	773,246	4,836,848
1879	309,648		1902	2,090,268		1925	785,910	4,329,173
1880	432,188		1903	1,954,629		1926	1,028,200	5,739,436
1881	395,382		1904	1,557,412		1927	1,113,330	5,890,259
1882	412,682		1905	1,635,287		1928	863,941	4,469,999
1883	486,811		1906	1,835,041		1929	842,972	4,375,328
1884	474,405		1907	1,894,074		1930	624,512	3,345,998
1885	427,937		1908	1,729,833		1931	359,853	1,909,922
1886	520,703		1909	1,588,099		1932	285,487	1,433,036
1887	580,965		1910	2,377,049		1933	259,233	1,188,225
1888	588,627		1911	1,500,639		1934	300,335	1,400,977
1889	665,315		1912	2,127,133		1935	418,361	1,792,584
1890	724,486		1913	1,562,020	3,951,351	1936	411,574	1,792,584
1891	971,259		1914	1,423,126	3,780,175	1937	355,268	1,441,879
1892	823,733		1915	1,766,543	5,406,058	1938	353,181	1,540,990
1893	960,312		1916	2,135,359	7,099,267	1939	376,203	1,666,834
1894	1,103,694		1917	1,733,156	7,387,192	1940	504,898	2,361,551
1895	1,011,235		1918	1,817,195	9,405,423			
						Total	71,121,602	

Table 12.—Exports of Canadian Coal from Eastern and Western Canada, 1936-1940

(Short tons)

	1936	1937	1938	1939	1940
Eastern Canada.....	277,129	204,411	207,644	226,065	310,495
Western Canada.....	134,445	150,857	145,537	150,138	194,403
Total.....	411,574	355,268	353,181	376,203	504,898

Table 13.—Exports of Canadian Coal, by Destinations, 1939 and 1940

(Compiled in the External Trade Branch)

Destination	1939		1940	
	Short tons	Value	Short tons	Value
Newfoundland.....	103,216	\$ 515,464	192,536	\$ 1,024,531
Trinidad & Tobago.....			2,328	12,260
Chile.....			13,934	65,936
St. Pierre and Miquelon.....	1,727	9,866	5,250	29,372
United States.....	263,963	1,097,033	261,617	1,124,892
Japan.....			25,790	78,270
Alaska.....	7,297	44,571	3,443	20,290
Total.....	376,203	1,666,934	504,898	2,361,551

IMPORTS

The table below shows the standard sizes of American anthracite and typical sizes of British, Scotch and other anthracite. This table is so arranged that the sizes of each anthracite are readily comparable.

Table 14.—Size Classification of Anthracites Imported into Canada (*)

Authority and Date		Royal Commission on Anthracite, Feb. 1937. Page 71. Also South Wales Coal Annual, 1932.		Scotch Anthracite Coal Company, Montreal. May 19, 1939.		American Soc. for Testing Materials: Standards on Coal and Coke. Designation D-310-34. P. 51. Sept. 1934.				
Customs Compilation Statistical Code No.	Tariff Item	Welsh		Scotch		United States				
		Exporter's Designation	Size—Inches		Exporter's Designation	Size—Inches		Exporter's Designation	Size—Inches	
			Through	Over		Through	Over		Through	Over (Round Holes)
7062	586	Large		6"	Large		4½"	Broken	4½"	3½"
		Machine made Cobbles	4"	2½"	Cobbles	4½"	3"	Furnace Egg	3½"	2 7/16"
		Screened Cobbles	3"	1½"	Trebles	3"	2"	Stove	2 7/16"	1½"
		French Nuts	2½"	1½"	Doubles	2"	1½"	Chestnut	1½"	13/16"
		Stove Nuts	1½"	1"	Singles	1½"	1" or ¾"			
7063	586	Pea Nuts	1½"	1"				Pea	13/16"	9/16"
		Beans	1½"	1"				No. 1 Buckwheat	9/16"	5/16"
		Peas	1"	1"	Beans	¾" or 1"	¾"	No. 2 " (Rice)	5/16"	3/16"
7061	588	Grains	1"	1"				No. 3 (Barley)	3/16"	3/32"
		Rubbly Culm (See Note 1)	1½"							
		Duff	1"		Duff	1" or ½"				

—		Importers Invoices—1938 and correspondence with J. M. Honig, Dated Dec. 23, 1932.		Report on Coal Industry of French Indo-China. C. L. O'Brian.		Report by J. A. Langley (Canadian Government Trade Commissioner) of July 28, 1937, and Report of Chief Inspector of Mines (Netherlands), 1938.				
Customs Compilation Statistical Code No.	Tariff Item	Germany		Indo-China		Netherlands				
		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.	
			Through	Over		Through	Over		Through	Over
7062	586	Cobbles	120	80	Large Screened (Lump)	120	80	Lump Nuts 0	120	120
		Nut 1	80	50	Screened (Crible)	80	50	Nuts I	80	50
		Nut 2	50	25	Nut (Braisette)	50	30	Nuts II	50	30
		Nut 3 (Note 2)	30	20	Nut (Noisette)	30	18	Nuts III	30	20
7063	586	Nut 4 (Note 3)	20	10	Nut (Noisette)	18	10	Nuts IV	20	8
		Perl	14	6				Nuts V	8	6
		Nut 5 (Grom)	10	6						
7061	588				Ordinary Dust	30				
		Fine	6		Fine Dust	10		Duff	5	

Table 14.—Size Classification of Anthracites Imported into Canada (*)—Con.

		Correspondence with Canadian Import Co. Ltd., Nov. 19, 1938.			Colliery Guardian, May 1, 1936.			Report by Yves Lamontagne (Can. Government Trade Commissioner), July 10, 1937.		
Customs Compilation Statistical Code No.	Tariff Item	Morocco			Russia			Belgium		
		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.		Exporter's Designation	Size—mm.	
			Through	Over		Through	Over		Through	Over
7062	586	Cobbles	120	80	Large best selected Cobbles A. 3	125	87	Cribles		120
			Nuts I	80	50	Cobbles A. 2	87	62	Gailletins	120	80
		Nuts III		30	22	Cobbles A. 2'	90	50	Galleteries	80	50
							Stove A. 1	62	22	Galleteries	50	30
				French Nuts A. 1	50	25	Braisettes	35	22	
				Stove Nuts A. 1'	40	20				
				Stove Nuts A.M.O.	30	15				
7063	586	Nuts IV	22	12	Beans A.M.	25	12	Braisettes	22	10
		Nuts IV B	12	8	Peas A.S.	15	6	Braisettes	22	5
		Nuts V	8	5				Braisettes	20	5
							Grains laves	10	1	
7061	588	Dust	8		Rubby Culm R.K.	25		Grains laves	5	1
					Breaker Duff A.S.T.	6				
					Billy Duff A.S.T.	6				

	Equivalents in Inches of Millimeter Sizes					
	Millimetres	Inches	Millimeters	Inches	Millimeters	Inches
Note 1. <i>Rubby Culm</i> is the nutty small passing through the longitudinal bars spaced 1½" used in making "screened cobbles". This product is usually sold for steam raising purposes.	125	4-15/16	40	1-37/64	14	35/64
	120	4-47/64	35	1-3/8	12	15/32
	90	3-35/64	30	1-3/16	10	25/64
Note 2. <i>Nut 8</i> is sometimes sized 25 mm. x 15 mm. and would then be classed in Code 7063.	87	3-27/64	25	63/64	8	5/16
	80	3-5/32	22	7/8	6	15/64
Note 3. <i>Nut 4</i> is sometimes sized 20 mm. x 8 mm. or 15 mm. x 8 mm.	62	2-7/16	20	25/32	5	13/64
	50	1-31/32	15	19/32	1	3/64

*From a statement supplied by the Dominion Fuel Board.

Table 15.—Imports of Coal into Canada "Entered for Consumption" 1925-1940

(Compiled in the *External Trade Branch*)

Year	Anthracite		Bituminous		Lignite		Total	
	Short tons	Value	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$		\$
1925	3,782,557	32,096,509	12,548,460	26,974,340	18,653	87,832	16,349,670	59,158,681
1926	4,192,419	34,202,166	12,376,606	25,511,932	10,423	45,567	16,579,148	59,759,665
1927	4,107,854	31,282,371	11,456,671	30,457,884	10,829	44,254	18,687,354	61,784,509
1928	3,748,816	27,680,018	11,344,945	26,608,427	10,780	44,247	17,205,541	54,332,692
1929	4,019,917	28,809,792	11,170,138	27,140,968	14,108	62,508	18,204,163	56,013,268
1930	4,258,090	30,098,910	11,497,955	26,522,765	18,676	72,691	18,772,721	56,694,366
1931	3,762,317	21,067,025	† 9,952,280	15,732,710	6,410	29,603	13,121,007	36,829,338
1932	3,148,902	19,312,710	† 8,807,131	12,011,398	3,004	13,701	11,959,037	31,337,869
1933	3,015,571	17,610,091	† 8,185,759	10,501,924	2,707	10,176	11,204,037	28,122,191
1934	3,500,563	18,414,060	† 9,471,605	16,641,659	2,791	9,661	12,974,959	35,065,380
1935	3,442,835	17,445,102	† 8,630,686	15,867,107	5,246	19,040	12,078,767	33,331,249
1936	3,418,556	17,897,635	† 9,700,002	17,039,408	4,873	18,347	13,128,431	34,955,390
1937	3,488,278	17,317,449	† 11,180,827	20,835,587	1,494	5,582	14,670,599	38,158,618
1938	3,475,801	18,079,657	† 9,533,729	17,734,567	2,961	11,690	13,012,491	35,825,914
1939	4,288,461	21,938,333	† 10,706,786	19,628,410	3,398	11,942	14,998,645	41,578,685
1940	3,944,255	23,123,417	† 13,479,086	26,499,046	2,493	7,689	17,126,734	49,630,132

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

Table 16.—Imports of Coal into Canada by Countries, by Grades and by Provinces, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Anthracite			Bituminous	Lignite	Anthracite			Bituminous,	Lignite
	Grate, egg, stove, nut doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.		
FROM GREAT BRITAIN										
Prince Edward Is.				4,523		5,019				
Nova Scotia	33,091		12,755	29,223		53,456		13,362	18,733	
New Brunswick	48,642		1,620	14,987		63,173		2,291	11,715	
Quebec	502,474	2,573	338,533	18,302		688,680	29,331	339,424	165,868	
Central Ontario	37,162		58,051			51,597		73,907		
Head of Lakes								944		
Manitoba				448						
Saskatchewan										
Alberta										
British Columbia										
Canada	621,369	2,573	410,959	67,483		861,925	29,331	430,018	196,316	
FROM UNITED STATES										
Prince Edward Is.	4,753			96		1,337			97	
Nova Scotia	21,099			2,855		7,612			15,751	
New Brunswick	24,380		1,167	13,957		20,763	30	841	8,337	
Quebec	435,996	9,228	151,389	1,105,590		408,317	11,843	270,491	1,471,968	
Central Ontario	1,711,996	6,901	215,361	8,033,174		1,632,278	4,165	271,548	11,312,806	
Head of Lakes	14,245	144	4,367	660,191		5,655	30	3,942	562,283	
Manitoba	297		4,399	14,587	14	27		4,439	7,066	4
Saskatchewan				862	863	3	31		692	1,066
Alberta		33		990	6				795	4
British Columbia				1,785	2,441	236			2,591	1,419
Yukon				23	22					
Canada	2,212,766	16,306	376,693	9,836,110	3,346	2,076,228	16,089	551,261	13,382,389	2,493
FROM OTHER COUNTRIES—										
Prince Edward Island—										
Germany	1,562									
Nova Scotia—										
Germany	3,950		165							
Quebec—										
Germany	157,551		116,703							
Norway				20						
French Indo-China	14,896		28,641							
Central Ontario—										
Germany	5,815		7,856							
Yukon—										
Alaska					52					
Canada	183,774		153,363	20	52					

Table 17.—Imports of Coal into Eastern and Western Canada, 1939 and 1940

(Short tons)

Destination	Anthracite				Bituminous	Lignite	Total all grades
	Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or Dust	Peas, beans and smaller sizes, n.o.p.	Total anthracite			
1939							
EASTERN CANADA—							
United States.....	2,198,224	16,129	367,927	2,582,280	9,157,672		11,739,952
Great Britain.....	621,369	2,573	410,959	1,034,901	67,035		1,101,936
Germany.....	168,878		124,724	293,602			293,602
French Indo-China.....	14,896		28,641	43,537			43,537
Norway.....					20		20
Total.....	3,003,367	18,702	932,251	3,954,320	9,224,727		13,179,047
WESTERN CANADA*—							
United States.....	14,542	177	8,766	23,485	678,438	3,346	705,269
Great Britain.....					448		448
Alaska.....						52	52
Total.....	14,542	177	8,766	23,485	678,886	3,398	705,769
Canada—							
United States.....	2,212,766	16,306	376,693	2,605,765	9,836,110	3,346	12,445,221
Great Britain.....	621,369	2,573	410,959	1,034,901	67,483		1,102,384
Germany.....	168,878		124,724	293,602			293,602
French Indo-China.....	14,896		28,641	43,537			43,537
Norway.....					20		20
Alaska.....						52	52
Total.....	3,017,909	18,879	941,017	3,977,805	9,903,613	3,398	13,884,816
1940							
EASTERN CANADA—							
United States.....	2,070,307	16,038	542,880	2,629,225	12,808,962		15,438,187
Great Britain.....	861,925	29,331	429,074	1,320,330	196,316		1,516,646
Total.....	2,932,232	45,369	971,954	3,949,555	13,005,278		16,954,833
WESTERN CANADA*—							
United States.....	5,921	61	8,381	14,363	573,427	2,493	590,283
Great Britain.....			944	944			944
Total.....	5,921	61	9,325	15,307	573,427	2,493	591,227
Canada—							
United States.....	2,076,228	16,099	554,261	2,643,588	13,382,389	2,493	16,028,470
Great Britain.....	861,925	29,331	430,048	1,321,274	196,316		1,517,590
Total.....	2,938,153	45,430	984,279	3,964,862	13,578,705	2,493	17,546,060

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

NOTE.—The import data shown in Tables 16 to 25 inclusive, refer to the total tonnage received at Canadian ports whether or not this coal has been cleared from customs during the period.

Table 18.—Imports of Anthracite, Bituminous and Lignite Coal into Canada, by Months, 1939 and 1940

(Short tons)

Month	1939				1940			
	United States	Great Britain	Other countries	Total	United States	Great Britain	Other countries	Total
ANTHRACITE—								
January.....	176,325	18,609	755	195,689	151,022	13,371		164,393
February.....	175,549	15,594		191,143	133,708	21,572		155,280
March.....	201,455	10,432	2,240	214,127	128,745	9,234		137,969
April.....	122,317	167		122,484	123,802	4,193		127,995
May.....	321,608	231,785	28,199	581,592	285,162	135,450		420,612
June.....	264,591	129,084	68,504	462,239	377,406	145,453		522,859
July.....	184,416	192,774	77,795	454,985	398,521	195,841		594,362
August.....	144,173	134,191	64,470	342,846	256,343	183,646		439,989
September.....	361,917	76,161	61,728	499,806	238,561	180,541		419,102
October.....	351,133	94,836	29,906	475,875	202,596	152,437		355,033
November.....	186,421	97,493		283,914	180,006	228,595		408,601
December.....	115,860	33,775	3,476	153,111	167,716	50,951		218,667
Total.....	2,605,765	1,034,901	337,139	3,977,805	2,643,588	1,321,274		3,964,862
BITUMINOUS—								
January.....	263,353	8,107	20	271,480	288,272	3,964		292,236
February.....	228,973	9,954		238,927	301,204	900		302,194
March.....	314,934	9,063		323,997	291,708	757		292,465
April.....	138,710	3,256		141,966	466,229	954		467,183
May.....	202,956	8,492		211,448	1,951,508	254		1,951,762
June.....	907,309	2,103		909,412	1,891,023	226		1,891,249
July.....	1,128,733	7,150		1,135,883	1,803,386	152,995		1,956,381
August.....	1,276,820	8,556		1,285,376	1,845,567	12,975		1,858,542
September.....	1,242,334	2,148		1,244,482	1,636,294	16,685		1,652,979
October.....	1,470,592	2,796		1,473,388	1,237,068	2,298		1,239,366
November.....	1,660,198	2,730		1,662,928	1,050,350	573		1,050,923
December.....	1,001,198	3,128		1,004,326	619,690	3,735		623,425
Total.....	9,836,110	67,483	20	9,903,613	13,382,289	196,316		13,578,705
LIGNITE—								
January.....	310			310	446			446
February.....	736			736	168			168
March.....	154			154	164			164
April.....	70			70	119			119
May.....	172			172	37			37
June.....								
July.....	105			105				
August.....	80			80				
September.....	155		25	180	33			33
October.....	343		27	370	212			212
November.....	789			789	999			999
December.....	432			432	315			315
Total.....	3,346		52	3,398	2,493			2,493

Table 19.—Average Imports of Coal into Quebec and Ontario, by Areas, for the Five Years, 1936-1940

(Short tons)

Area	Total anthracite	Total bituminous	Total all grades
Quebec.....	165,925	231,137	397,062
Montreal.....	1,634,339	831,656	2,465,995
Ottawa.....	96,863	712,780	809,643
Kingston.....	60,273	130,217	190,490
Toronto.....	1,397,052	4,584,469	5,981,521
Windsor.....	198,674	2,595,654	2,794,328
Northern Ontario.....	16,429	1,122,769	1,139,198
Western Ontario.....	16,598	804,543	821,141
Total.....	3,586,153	11,013,225	14,599,378

Table 20.—Average Imports of Coal into Canada, by Kinds and by Provinces, for the Five Years, 1936-1940

(Short tons)

Destination	Total anthracite	Total bituminous	Lignite	Total all grades
Prince Edward Island.....	6,283	4,816		11,099
Nova Scotia.....	70,166	35,231		105,397
New Brunswick.....	83,723	28,997		112,720
Quebec.....	1,805,636	1,063,671		2,869,307
Ontario.....	1,780,517	9,949,553		11,730,070
Manitoba.....	5,072	11,468	80	16,620
Saskatchewan.....	39	788	464	1,289
Alberta.....	13	1,080	16	1,109
British Columbia.....	346	2,598	2,469	5,413
Yukon.....		35	15	50
Canada.....	3,751,795	11,098,235	3,044	14,853,074

CONSUMPTION

The per capita consumption of coal in Canada reached its peak in 1918 when the average quantity consumed per person was 4.268 tons; in the succeeding years, there was a considerable annual variation in consumption and the low mark, during that period, of 2.085 tons was recorded in 1933. During 1940, the coal consumption per person in Canada was 2.960 tons.

Many reasons have been advanced for the decline in the tonnage of coal consumed in recent years. Possibly improvements in the design of fuel burning equipment and in methods of burning have contributed materially to this decline. The following tables show the consumption of coal and other fuels in Canada. Table 21 records the tonnages of coal made available for use, by months, during 1939 and 1940. Tables 22 and 23, inclusive, show the apparent consumption of coal by provinces during the calendar years 1939-1940. Table 24 gives the trend of coal consumption during the period 1939-1940. Table 25 records corresponding data for coke utilization together with an indication of the possible coal displacement through the use of imported coke. Table 26 is the result of a further attempt to arrive at the energy supplied by all mineral fuels and water power in terms of coal. In the case of fuel and gas oils and kerosene, the data relate to apparent consumption. Water power and natural gas calculations are based on production. The factors used were calculated on the basis of the average British thermal units of these fuels compared with 13,000 B.T.U. for bituminous coal.

Table 21.—Coal Made Available for Consumption in Canada, 1939 and 1940

(Short tons)

Month	1939				1940			
	Output	Imports	Exports	Coal made available for use	Output	Imports	Exports	Coal made available for use
January.....	1,206,312	467,479	40,036	1,633,755	1,732,885	457,075	43,520	2,146,440
February.....	1,306,555	430,806	29,272	1,708,089	1,490,395	457,642	54,041	1,803,996
March.....	1,187,069	538,278	31,328	1,694,019	1,341,189	430,598	31,083	1,740,704
April.....	923,044	264,520	14,945	1,172,619	1,273,015	595,297	24,287	1,844,025
May.....	1,146,747	793,212	30,276	1,909,683	1,267,687	2,372,411	34,509	3,605,589
June.....	1,117,018	1,371,651	30,817	2,457,852	1,159,942	2,414,108	31,669	3,542,381
July.....	1,109,752	1,590,973	16,627	2,682,098	1,253,787	2,550,743	73,702	3,730,828
August.....	1,285,424	1,028,296	25,042	2,888,678	1,398,145	2,298,531	36,420	3,680,256
September.....	1,365,438	1,744,468	42,883	3,087,023	1,366,391	2,072,114	42,290	3,396,215
October.....	1,798,634	1,949,633	42,053	3,706,214	1,734,009	1,594,611	38,590	3,290,030
November.....	1,740,879	1,947,631	29,524	3,658,986	1,878,344	1,460,523	47,902	3,290,965
December.....	1,485,826	1,157,869	41,400	2,602,295	1,671,095	842,407	46,885	2,466,617
Total....	15,692,698	13,884,816	376,203	29,291,311	17,566,984	17,546,660	501,898	34,608,846

Table 22.—Summary Statistics for 1939—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 Nor-way	Im-ported from French Indo-China	Im-ported from Alaska	Coal available for consumption
	Output	Re-ceived from other prov.	Shipped to other prov.	Ex-ported							
PRINCE EDWARD ISLAND—											
Anthracite.....					4,753		1,562				6,315
Bituminous.....		89,941			96	4,523					94,560
Total...		89,941			4,849	4,523	1,562				100,875
NOVA SCOTIA—											
Anthracite.....					21,099	45,846	4,115				71,060
Bituminous.....	7,051,176	98	4,179,121	104,938	2,855	29,223					2,799,293
Total...	7,051,176	98	4,179,121	104,938	23,954	75,069	4,115				2,870,353
NEW BRUNSWICK—											
Anthracite.....					25,547	50,262					75,809
Bituminous.....	468,421	579,619	50,748	110,581	13,957	14,987					915,655
Total...	468,421	579,619	50,748	110,581	39,504	65,249					991,464
QUEBEC—											
Anthracite.....					596,623	843,580	274,254		43,537		1,757,994
Bituminous.....	3,546,617	1,280,444	10,404	10,404	1,105,590	18,302		20			3,379,681
Sub-bituminous..											
Total...	3,546,617	1,280,444	10,404	10,404	1,702,213	861,882	274,254	20	43,537		5,137,675
CENTRAL ONTARIO—											
Anthracite.....					1,934,258	95,213	13,671				2,043,142
Bituminous.....	1,294,038			142	8,035,174						9,329,070
Sub-bituminous..											
Lignite.....											
Total...	1,294,038			142	9,969,432	95,213	13,671				11,372,212
MANITOBA AND HEAD OF LAKES—											
Anthracite.....						23,452					23,452
Bituminous.....		269,885		479	674,778	448					944,632
Sub-bituminous..		90,501									90,501
Lignite.....	1,138	687,956		208	14						688,900
Total...	1,138	1,048,342		687	698,244	448					1,747,485
SASKATCHEWAN—											
Anthracite.....											
Bituminous.....		58,313		423	862						58,752
Sub-bituminous..		27,279									27,279
Lignite.....	960,000	968,132	408,467	2,744	863						1,457,784
Total...	960,000	1,053,724	408,467	3,167	1,725						1,543,815
ALBERTA—											
Anthracite.....						33					33
Bituminous.....	2,556,944	8,202	382,514	1,791	990						2,181,831
Sub-bituminous..	512,101		154,521								357,580
Lignite.....	2,450,163		1,246,800	1,659	6						1,201,710
Total...	5,519,208	8,202	1,783,835	3,450	1,029						3,741,154
BRITISH COLUMBIA—											
Anthracite.....											
Bituminous.....	1,692,755	143,893	97,779	139,446	1,785						1,601,208
Sub-bituminous..		36,741									36,741
Lignite.....		59,179		3,388	2,441						58,232
Total...	1,692,755	239,813	97,779	142,834	4,226						1,696,181
YUKON—											
Bituminous.....					23						23
Lignite.....					22					52	74
Total...					45					52	97
NORTHWEST TERRITORIES—											
Sub-bituminous..											
Total...											
Canada—											
Anthracite.....					2,695,765	1,634,901	293,602		43,537		3,977,805
Bituminous.....	11,789,296	4,710,162	4,710,162	368,201	9,836,110	67,483		20			21,394,705
Sub-bituminous..	512,101	154,521	151,521								512,101
Lignite.....	3,411,301	1,715,267	1,715,267	7,999	3,316					52	3,406,700
Total...	15,692,698	6,579,950	6,579,950	376,203	12,445,221	1,102,384	293,602	20	43,537	52	29,201,311

*Direct imports into each province. See text for interprovincial shipments of imported coal.

†Nova Scotia coal shipped to Quebec and then transhipped to Ontario.

Table 23—Summary Statistics for 1940—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	Coal available for consumption
	Output	Received from other prov.	Shipped to other prov.	Exported			
PRINCE EDWARD ISLAND—							
Anthracite					1,337	5,019	6,356
Bituminous		89,143			97		89,240
Total		89,143			1,434	5,019	95,596
NOVA SCOTIA—							
Anthracite					7,612	66,818	74,430
Bituminous	7,848,921	232	4,213,359	200,112	15,754	18,733	3,470,169
Total	7,848,921	232	4,213,359	200,112	23,366	85,551	3,544,599
NEW BRUNSWICK—							
Anthracite					21,634	65,464	87,098
Bituminous	547,064	749,290	56,262	109,797	8,337	11,715	1,150,347
Total	547,064	749,290	56,262	109,797	29,971	77,179	1,237,445
QUEBEC—							
Anthracite					690,651	1,057,435	1,748,086
Bituminous		3,376,270	†900,075	586	1,471,968	165,868	4,113,445
Sub-bituminous							
Total		3,376,270	900,075	586	2,162,619	1,223,303	5,861,531
CENTRAL ONTARIO—							
Anthracite					1,907,991	125,594	2,033,585
Bituminous		954,761			11,312,806		12,267,567
Sub-bituminous							
Lignite							
Total		954,761			13,220,797	125,594	14,301,152
MANITOTA AND HEAD OF LAKES—							
Anthracite					14,093	944	15,037
Bituminous		308,285		940	569,349		876,694
Sub-bituminous		87,888					87,888
Lignite	1,697	771,181		38	4		772,844
Total	1,697	1,167,354		978	583,446	944	1,752,463
SASKATCHEWAN—							
Anthracite					34		34
Bituminous		44,200		358	692		44,534
Sub-bituminous		24,111					24,111
Lignite	1,097,517	960,905	527,106	1,035	1,066		1,530,747
Total	1,097,517	1,029,216	527,106	1,093	1,792		1,599,428
ALBERTA—							
Anthracite							
Bituminous	3,069,205	4,591	326,770	876	795		2,716,856
Sub-bituminous	598,686		153,068				445,618
Lignite	2,535,947		1,266,495	1,566	4		1,267,890
Total	6,203,839	4,591	1,746,333	2,442	799		4,460,364
BRITISH COLUMBIA—							
Anthracite					236		236
Bituminous	1,867,846	134,840	165,050	185,407	2,591		1,654,814
Sub-bituminous		41,055					41,055
Lignite		61,515		3,582	1,419		59,352
Total	1,867,846	237,410	165,050	188,989	4,246		1,755,457
YUKON—							
Bituminous				1			—1
Sub-bituminous		14					14
Lignite							
Total		14		1			13
NORTHWEST TERRITORIES—							
Sub-bituminous							
Total							
Canada—							
Anthracite					2,613,588	1,321,274	3,964,862
Bituminous	13,333,637	4,761,447	4,761,447	498,077	13,382,389	196,316	26,413,665
Sub-bituminous	598,686	153,068	153,068				598,686
Lignite	3,635,161	1,795,601	1,793,601	6,821	2,493		3,630,833
Total	17,566,984	6,708,116	6,708,116	501,898	16,028,470	1,517,590	34,608,046

* Direct imports into each province. See text for interprovincial shipments of imported coal.

† Nova Scotia coal shipped to Quebec and then transhipped to Ontario.

Table 24.—Annual Consumption of Coal in Canada, 1902-1940

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	4,056,286	101,726	4,734,559	46.9	10,110,972	1.840
1903.....	6,005,735	47.3	6,520,931	184,593	6,678,450	52.7	12,684,185	2.245
1904.....	6,697,183	47.9	7,238,869	85,687	7,297,482	52.1	13,994,665	2.402
1905.....	7,032,861	49.4	7,233,738	68,500	7,215,446	50.6	14,248,107	2.374
1906.....	7,927,560	50.5	7,787,338	67,014	7,758,325	49.5	15,685,885	2.573
1907.....	8,617,352	45.0	10,588,097	54,325	10,549,503	55.0	19,166,855	2.990
1908.....	9,156,478	47.3	10,203,335	97,514	10,195,424	52.7	19,351,902	2.921
1909.....	8,913,376	47.9	9,805,253	67,671	9,711,826	52.1	18,625,202	2.739
1910.....	10,532,103	50.2	10,545,451	51,541	10,438,123	49.8	20,970,226	3.001
1911.....	9,822,749	40.5	14,510,129	48,963	14,424,949	59.5	24,247,698	3.364
1912.....	12,385,696	46.0	14,557,124	38,668	14,549,104	54.0	26,934,800	3.645
1913.....	13,450,158	42.6	18,145,769	37,825	18,132,387	57.4	31,582,545	4.138
1914.....	12,214,403	45.5	14,687,853	33,101	14,637,920	54.5	26,852,323	3.408
1915.....	11,500,480	48.1	12,450,796	15,098	12,406,212	51.9	23,906,692	2.995
1916.....	12,348,036	41.3	17,576,202	4,401	17,517,820	58.7	29,865,856	3.733
1917.....	12,313,603	37.2	20,848,009	9,451	20,810,132	62.8	33,123,735	4.110
1918.....	13,160,731	37.8	21,674,826	3,761	21,611,101	62.2	34,771,832	4.268
1919.....	11,611,168	40.3	17,292,913	344	17,236,269	59.7	28,847,437	3.471
1920.....	14,025,566	42.9	18,762,981	.....	18,668,741	57.1	32,694,307	3.821
1921.....	12,715,734	41.1	18,300,081	1,591	18,258,387	58.9	30,974,121	3.525
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	3.198
1925.....	12,125,290	42.6	15,744,957	604,117	16,331,971	57.4	28,457,261	3.062
1926.....	15,056,296	47.7	16,204,405	287,299	16,565,555	52.3	31,651,851	3.349
1927.....	15,944,983	46.7	17,266,434	907,220	18,177,303	53.3	34,122,286	3.541
1928.....	16,457,807	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	3.401
1930.....	14,052,671	43.3	16,971,933	1,144,861	18,412,039	56.7	32,464,710	3.180
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.....	13,236,406	51.1	10,580,710	1,981,116	12,651,168	48.9	25,887,574	2.392
1935.....	13,306,303	53.1	9,618,518	1,822,500	11,735,835	46.9	25,042,138	2.290
1936.....	14,503,652	53.3	10,801,643	1,498,656	12,719,515	46.7	27,228,167	2.469
1937.....	15,172,729	51.5	12,574,574	1,211,052	14,268,585	48.5	29,441,314	2.648
1938.....	13,800,094	52.5	10,754,747	1,257,887	12,493,707	47.5	26,293,801	2.346
1939.....	14,902,915	50.7	12,838,347	1,099,419	14,479,668	49.3	29,382,583	2.597
1940.....	16,666,234	49.5	15,509,778	1,514,458	17,036,090	50.5	33,702,324	2.960

* The sum of Canadian coal mines sales, 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 25.—Coke made Available for Consumption in Canada, with the Coal Equivalent of the Imported Coke, 1902-1940

Year	Output Tons	Imports Tons	*Exports Tons	Coke made available for consumption		Coal equivalent of imported coke†	
				Tons	Tons	Tons	Tons per capita
1902	502,043	266,140	62,568	705,615	409,446	.075	
1903	561,318	259,703	32,608	787,413	398,004	.069	
1904	554,983	239,310	102,463	690,930	368,169	.063	
1905	700,488	470,486	116,071	1,054,904	723,824	.119	
1906	782,055	501,942	37,003	1,246,994	772,218	.122	
1907	842,003	624,649	70,617	1,390,035	860,997	.147	
1908	858,257	426,971	58,708	1,226,520	656,878	.098	
1909	862,011	661,425	74,067	1,449,369	1,017,576	.146	
1910	902,715	737,088	57,971	1,581,832	1,133,980	.160	
1911	635,651	751,389	9,852	1,677,188	1,155,982	.160	
1912	1,411,220	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	533,046	67,838	1,509,068	850,839	.110	
1915	1,170,473	637,857	35,869	1,772,461	981,317	.126	
1916	1,409,741	757,116	48,539	2,178,318	1,164,793	.144	
1917	1,245,862	970,106	23,595	2,192,373	1,492,469	.182	
1918	1,250,744	1,165,590	29,612	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	902,162	.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	1,128,820	.125	
1924	1,436,912	521,725	23,144	1,935,493	802,653	.087	
1925	1,546,739	852,427	25,578	2,373,588	1,311,405	.141	
1926	2,027,058	988,034	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	3,349,295	1,630,812	.168	
1929	2,677,581	1,226,853	25,208	3,879,226	1,887,464	.193	
1930	2,385,994	1,061,040	29,801	3,417,233	1,632,368	.164	
1931	1,832,760	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	
1935	2,257,604	532,926	20,649	2,768,881	819,885	.075	
1936	2,404,793	612,858	18,215	2,999,436	942,858	.085	
1937	2,570,385	417,733	36,959	2,951,159	842,666	.058	
1938	2,352,003	414,682	30,537	2,736,148	637,872	.056	
1939	2,401,095	435,871	48,114	2,797,852	670,570	.059	
1940	3,015,394	719,338	35,523	3,699,209	1,106,670	.097	

†The estimated quantity of coal carbonized to produce this coke. *Prior to 1925 exports of petroleum coke were included.

Table 26.—Canada's Coal Supply and the Coal Equivalent of Other Mineral Fuels and Water Power Used
(Thousands of short tons)

	Coal					Coke from coal Imported *(a)	Natural Gas (b)	Fuel and Gas Oils (c)	Gasoline Sales (d)	Kerosene (e)	Water Power	
	Anthracite Imported*	Bituminous		Lignite							Equiva- lent	Pounds of coal per kilo- watt hour (f)
		Canada†	Imported‡	Canada†	Imported‡							
1927	4,108	12,188	14,059	3,757	11	772	855	2,314	2,104	360	12,908	1.84
1928	3,749	12,709	12,756	3,799	11	1,060	903	2,667	2,797	367	13,821	1.76
1929	4,020	12,485	13,690	3,902	14	1,227	1,135	3,205	3,475	328	14,620	1.69
1930	4,258	10,649	14,137	3,404	19	1,061	1,175	3,189	3,366	295	14,219	1.62
1931	3,162	8,822	9,660	2,861	6	698	1,035	2,996	3,219	291	12,461	1.55
1932	3,149	7,806	8,503	3,407	2	611	937	2,837	2,896	341	11,067	1.50
1933	3,016	8,128	7,749	3,328	3	589	926	3,012	2,803	265	12,670	1.47
1934	3,501	10,051	9,148	3,185	3	810	926	3,176	3,091	267	15,259	1.47
1935	3,443	9,783	8,288	3,523	5	633	996	3,228	3,318	194	16,801	1.46
1936	3,419	10,983	9,296	3,826	5	642	1,125	3,259	3,608	185	18,210	1.46
1937	3,488	11,515	10,779	3,658	1	472	1,288	3,734	4,154	167	18,479	1.43
1938	3,476	10,366	12,494	3,434	3	392	1,338	3,925	4,408	172	18,240	1.42
1939	4,288	11,548	10,189	3,355	3	512	1,407	4,287	4,669	223	19,364	1.39
1940	3,944	13,105	13,088	3,562	2	670	1,649	5,143	5,106	182	19,920	1.35

*Entered for consumption.

†Sum of sales by Canadian coal mines, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage exported.

‡Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

(a) Tonnage imported into Canada "Entered for consumption". Based on 1 ton = 13,000 B.T.U.

(b) Based on 1 ton of coal = 25 M cu. ft. of natural gas.

(c) Based on 1 ton of coal = 151 imperial gallons of fuel and gas oils.

(d) Based on 1 ton of coal = 173 imperial gallons of gasoline.

(e) Based on 1 ton of coal = 160 imperial gallons of kerosene.

(f) Based on the United States average as reported by the Edison Electric Institute.

A table showing the average calorific values of various solid and liquid fuels is given below. This information was supplied by the Fuel Research Laboratories of the Department of Mines and Resources.

Table 27.—Average Calorific Values of Various Solid and Liquid Fuels

	Rough Average B.T.U. Values per Pound*	B.T.U. per Imperial Gallon
British Anthracite—		
Welsh.....	14,300	
Scotch.....	14,000	
Other (European and Asiatic) Anthracites—		
Westphalian.....	14,300	
Belgian.....	14,300	
Russian.....	13,500	
French Indo-China.....	13,200	
American (U.S.A.) Anthracites—		
Pennsylvania (stove size).....	13,200	
Pennsylvania (buckwheat).....	12,900	
U.S.A. Bituminous Coal—		
First Grade—7% Ash (for coke making).....	14,000	
Second Grade—10% Ash (for steam raising).....	13,000	
Canadian Coals—		
Bituminous, 1st grade)	14,000	
Bituminous, 2nd grade) Maritime Provinces, British Columbia and Alberta.....	13,000	
Bituminous, 3rd grade)	11,000 to 12,000	
Sub-bituminous—Alberta and British Columbia.....	10,000 to 11,500	
Lignite—Domestic—Alberta and British Columbia.....	7,500 to 10,000	
Lignite—Saskatchewan.....	6,500 to 7,500	
Fuel Oil—		
Industrial 0.933 Specific gravity.....	19,000	177,500
Kerosene—Stove Oil—0.819 Specific gravity.....	19,800	182,000
Light Furnace Oil—0.835 Specific gravity.....	19,550	187,000
Gasoline (average for Canada), 0.740 Specific gravity.....	20,250	150,000

*These are rough average values for coals as delivered to the consumer.

Table 28.—Consumption of Fuel by Steam Railways (Freight) in Canada
(Compiled in the Transportation Branch)

Year	Gross Ton Miles <i>million</i>	Tons of Fuel Consumed (Freight and Mixed Trains)	Gross Ton Miles per Ton of Fuel*
1930.....	77,579	4,846,629	16,007
1931.....	66,851	4,104,608	16,294
1932.....	58,928	3,641,020	16,184
1933.....	54,353	3,394,808	16,011
1934.....	62,071	3,847,166	16,134
1935.....	63,983	3,903,540	16,391
1936.....	70,218	4,151,667	16,913
1937.....	73,059	4,285,395	17,048
1938.....	70,139	4,010,725	17,488
1939.....	79,392	4,371,179	18,108
1940.....	93,586	5,121,671	18,270

*Represents number of miles one ton of coal would move one ton of freight (including weight of car)

Table 29.—Annual Consumption of Coal by Railroad Locomotives in Canada, 1930-1940
(Compiled in the Transportation Branch)

Year	Anthracite		Bituminous		Total	
	Short tons	Value	Short tons	Value	Short tons	Value
		\$		\$		\$
1930.....	7,062	33,249	8,251,167	35,292,562	8,258,229	36,225,811
1931.....	3,336	14,763	6,858,772	29,691,134	6,862,108	29,705,897
1932.....	1,934	7,578	5,955,085	25,101,489	5,957,019	25,109,067
1933.....	1,665	6,490	5,521,052	22,145,931	5,522,717	22,152,121
1934.....	1,625	6,702	6,109,367	25,589,597	6,110,992	25,596,299
1935.....	1,544	6,417	6,144,550	26,333,312	6,146,094	26,339,729
1936.....	1,790	8,627	6,584,233	28,153,451	6,586,023	28,162,078
1937.....	1,503	10,604	6,766,955	29,350,076	6,768,458	29,360,680
1938.....	1,641	12,077	6,366,101	27,940,556	6,367,742	27,952,633
1939.....	917	6,358	6,866,202	28,950,410	6,867,119	28,956,768
1940.....	319	2,178	7,817,575	33,386,333	7,817,894	33,388,311

Table 30.—Average Price per Short Ton of Canadian Coal at the Mines, by Grades, for each District and Province, 1940

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.....	4-44	2-52	5-35	3-82	4-00	3-00	4-64	4-08	4-00	3-40	3-62	2-25
Cumberland.....	3-79	3-24	4-87	3-99	6-29	4-48	6-29	4-94			3-06	2-30
Inverness.....	3-76	3-36	5-25	4-25							2-40	2-27
Pictou.....	4-87	3-90	5-62	4-55			6-00	5-25			3-65	2-87
Average.....	4-11	3-27	5-21	4-11	5-14	3-74	5-39	4-59	4-00	3-40	3-25	2-41
NEW BRUNSWICK.....	3-49	3-13	4-50	3-79			3-95	3-82			3-44	3-07
MANITOA.....			2-80	2-80			2-00	2-00				
SASKATCHEWAN.....	1-96	1-88	1-77	1-66	1-43	1-27	1-30	1-13	1-30	1-15	0-98	0-80
ALBERTA—												
Bituminous—												
Cascade.....	4-50	3-40	6-32	5-12	5-50	4-50	4-75	3-75	3-75	2-75	3-50	2-73
Crowsnest.....	3-07	2-76	3-91	3-74			3-11	2-89	2-00	2-00	1-97	1-31
Highwood.....	3-00	3-00	3-25	3-25			3-25	3-25				
Mountain Park.....	3-54	2-54	4-50	4-25			3-25	2-90	2-60	2-60	2-72	2-17
Norlegg.....	3-00	2-90					3-25	3-00				
Average bituminous.....	3-27	2-77	4-30	3-97	5-50	4-50	3-42	3-07	2-78	2-45	2-51	1-84
Sub-bituminous—												
Coalspur.....	3-12	3-10	3-87	3-58	4-00	3-78	2-38	2-03	1-81	1-45	1-25	1-22
Morley.....												
Pekisko.....	2-62	2-37	3-50	3-50			2-00	2-00			2-00	2-00
Pincher.....	2-50	2-50	3-50	3-50					2-00	2-00		
Prairie Creek.....	3-50	2-90	4-25	4-15			3-50	2-90			1-25	1-25
Saunders.....	3-78	3-65	4-93	4-25			4-25	2-82			2-27	1-90
Average sub-bituminous.....	3-10	2-94	4-07	3-77	4-00	3-78	2-83	2-27	1-85	1-56	1-60	1-49
Lignite—												
Ardley.....	2-34	2-14	3-60	2-50	3-35	2-75	2-25	2-00	2-25	2-00	2-00	1-00
Big Valley.....	2-33	2-33	2-50	2-00			1-00	1-00				
Brooks.....			2-75	2-75			2-00	2-00			1-00	1-00
Camrose.....	1-85	1-67	2-65	2-24	2-17	1-80	1-82	1-54	1-60	1-35	0-75	0-60
Carbon.....	2-44	2-30	2-89	2-40	2-67	1-96	1-26	1-17			0-70	0-60
Castor.....	1-92	1-83	1-92	1-67	1-00	1-00	0-75	0-75				
Champion.....	3-50	3-50	3-17	2-88			1-20	1-05				
Drumheller.....	2-50	2-17	3-75	2-99	3-18	2-64	2-49	1-64	1-64	1-26	0-95	0-58
Edmonton.....	2-63	2-27	3-12	2-78	2-52	1-97	1-89	1-46	1-76	1-31	0-85	0-55
Geichen.....	2-75	2-54	3-25	3-00			1-75	1-75			0-50	0-50
Halecourt.....	4-00	4-00	4-29	4-19			2-00	2-00			1-00	1-00
Lethbridge.....	2-61	2-40	3-08	2-77	2-75	2-37	2-22	1-79	1-44	1-25	0-62	0-39
Magrath.....			3-50	3-50			2-74	2-74				
Milk River.....	2-75	2-44										
Pakan.....	2-17	2-17										
Pakowki.....	2-50	2-50										
Pembina.....	2-32	2-26	3-12	2-62	2-25	1-75	2-62	1-25	1-75	1-50	1-00	0-82
Rodcliff.....	2-37	2-00	2-87	2-25			1-25	1-25			1-15	0-95
Rochester.....	2-75	2-75	2-75	2-50			1-75	1-50			0-75	0-75
Sexsmith.....	2-75	2-75	3-25	3-25	1-50	1-50					0-50	0-50
Sheerness.....	2-08	1-73	2-29	1-94			1-50	1-25			0-80	0-47
Taber.....	2-75	2-54	2-82	2-54	1-62	1-62	1-23	1-23				
Tofield.....	1-83	1-38	2-25	2-00							0-65	0-65
Westlock.....			2-75	2-60			2-00	1-90			0-50	0-50
Wetaskiwin.....	2-75	2-37	2-92	2-58	2-00	1-50	2-00	1-70	1-65	1-00	1-65	1-30
Whitecourt.....	2-50	2-37									0-75	0-75
Area not designated.....	2-75	2-75	2-75	2-75			2-00	2-00			0-62	0-62
Average lignite.....	2-40	2-19	3-11	2-71	2-61	2-12	1-90	1-49	1-68	1-31	0-85	0-50
Average for Alberta.....	2-52	2-29	3-29	2-90	2-76	2-28	2-15	1-74	1-81	1-46	1-10	0-82
BRITISH COLUMBIA—												
Crow's Nest Pass.....	3-75	2-85	5-00	4-50					3-50	2-80	3-50	2-25
Inland.....	3-81	3-72	4-72	4-41	4-25	4-25	4-10	4-10	2-92	2-57	2-31	1-69
Island.....	4-08	3-77	6-13	5-07	5-37	4-60	4-43	4-03	3-58	3-28	2-99	2-14
Average.....	3-91	3-63	5-44	4-75	4-75	4-45	4-30	4-06	3-41	3-06	2-81	2-00
Canada.....	1-94	1-77	3-46	3-03	2-95	2-47	2-34	1-97	2-21	1-88	1-53	1-16

Table 31.—Average value of Coal f.o.b. Mines, together with Labour, Fuel and Electricity Costs per ton Raised, by Provinces and by Districts, in 1939 and 1940

	1939			1940		
	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.....	3-595	2-156	-272	3-610	2-220	1-86
Cumberland.....	3-771	2-358	-397	3-909	2-360	3-34
Inverness.....	3-095	2-517	-371	2-998	2-324	2-15
Pictou.....	3-850	2-665	-409	3-913	2-541	3-43
Total Nova Scotia.....	3-632	2-236	-301	3-665	2-273	-285
NEW BRUNSWICK—(Bituminous)	3-344	2-315	-096	3-586	2-401	-114
MANITOBA—(Lignite)	2-733	1-961	-299	2-379	1-105	-178
SASKATCHEWAN—(Lignite)	1-308	-642	-089	1-283	-581	-089
ALBERTA—						
Bituminous—						
Cascade.....	3-461	2-121	-396	3-496	2-087	-410
Crowsnest.....	2-669	1-706	-140	2-593	1-640	-126
Highwood.....				3-003		
Mountain Park.....	2-801	1-784	-147	2-845	1-772	-108
Nordegg.....	2-876	1-865	-187	2-873	1-770	-126
Total Bituminous.....	2-783	1-772	-165	2-758	1-725	-139
Sub-bituminous—						
Coalspur.....	2-359	1-459	-085	2-444	1-464	-083
Morley.....	2-364	1-869		1-671		
Morley.....	2-377	1-193	-088	2-490	1-506	-060
Pekisko.....	2-300	1-419		2-356	1-774	-134
Pincher.....	2-949	2-228	-220	2-921	2-182	-160
Prairie Creek.....	3-680	3-254	-288	3-804	2-975	-301
Saunders.....						
Total Sub-bituminous.....	2-584	1-755	-128	2-622	1-694	-112
Lignite—						
Ardley.....	2-463	1-533	-056	2-397	1-547	-063
Coalspur.....	2-320	1-396	-148	2-406	1-536	-137
Big Valley.....	2-754	1-428	-093	2-800	1-460	-089
Brooks.....	1-924	1-395	-030	1-967	1-369	-041
Camrose.....	2-150	1-385	-003	2-110	1-208	-063
Carbon.....	1-793	0-994	-033	1-816	0-936	-041
Castor.....	2-651	1-680	-056	2-808	1-629	-051
Champion.....	2-629	1-687	-071	2-677	1-677	-072
Drumheller.....	1-979	1-371	-092	2-171	1-314	-057
Edmonton.....	2-558	1-499	-025	2-716	1-652	-027
Gleichen.....	3-899	2-271	-005	4-078	3-212	-106
Halcourt.....	2-994	2-071	-104	3-011	1-998	-016
Lethbridge.....	3-019	2-406	-107	3-039	3-279	-035
Magrath.....	1-770	0-802	-030	1-946	0-999	-035
Milk River.....	2-322	1-980		2-407	2-076	
Pakan.....	2-574	1-776		2-699	1-750	
Pakowki.....	1-538	0-966	-036	1-505	0-991	-029
Pembina.....	1-964	1-060	-048	1-882	1-265	-094
Redcliff.....	2-125	1-643	-087	2-036	1-100	-059
Rochester.....	2-011	1-316	-705	2-308	1-303	-308
Saxsmith.....	1-455	-594	-047	1-470	0-621	-030
Shaerness.....						
Steveville.....						
Taber.....	2-408	1-416	-029	2-443	1-328	-089
Tofield.....	1-484	0-859	-074	1-468	0-896	-077
Westlock.....				1-888	1-516	
Wetaskiwin.....	1-910	1-419		1-946	1-087	
Whitcourt.....	2-279	1-380		2-205	0-724	
Area not designated.....	1-786	1-239	-008	2-206	2-109	-091
Total Lignite.....	2-438	1-592	-069	2-501	1-568	-071
Total Alberta.....	2-612	1-691	-119	2-640	1-657	-109
BRITISH COLUMBIA—(Bituminous)						
Crow's Nest Pass.....	2-616	1-568	-125	2-537	1-409	-099
Inland.....	2-852	2-242	-240	2-595	2-057	-160
Island.....	4-227	2-897	-211	4-252	2-863	-153
Total British Columbia.....	3-441	2-314	-183	3-296	2-123	-182
YUKON—(Bituminous)						
Canada.....	3-102	1-958	-205	3-112	1-936	-188

Table 32.—Employees, Salaries and Wages in the Coal Mines of Canada, by Provinces, 1940

Province	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
Nova Scotia.....	444	55	2,067	10,882	13,448	954,341	16,888,577	17,842,918
New Brunswick.....	43	9	360	1,046	1,458	90,130	1,223,177	1,313,307
Manitoba.....			1	3	4		1,876	1,876
Saskatchewan.....	41	4	247	402	694	95,018	542,338	637,356
Alberta.....	486	29	1,860	5,477	7,852	1,131,390	9,151,353	10,282,743
British Columbia.....	184	11	734	2,049	2,978	417,740	3,547,222	3,964,962
Canada.....	1,198	108	5,269	19,859	26,434	2,688,619	31,354,543	34,043,162

Table 33.—Employment and Earnings in the Coal Mines of Canada, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface.....	5,511	5,560	5,507	5,339	5,269
Underground.....	20,086	20,330	20,260	19,861	19,859
Total.....	25,597	25,890	25,767	25,200	25,128
Days' work done—					
Surface.....	1,374,980	1,441,102	1,301,913	1,371,087	1,455,986
Underground.....	4,381,935	4,654,218	4,047,580	4,367,008	4,874,398
Total.....	5,756,915	6,095,320	5,349,493	5,738,095	6,330,384
Average number of days worked per man per year—					
Surface.....	249	259	236	257	270
Underground.....	218	229	200	220	245
By all wage-earners.....	225	235	208	228	252
Total wages paid.....	\$ 26,331,682	\$ 29,005,361	\$ 25,977,215	\$ 28,184,519	\$ 31,354,543

Table 34.—Wage-earners Employed in the Coal Mines of Canada, by Months and by Provinces, 1936-1940

Month and year	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Canada
January	1936	12,805	1,238	28	1,115	9,352	2,648	27,186
	1937	12,977	1,275	23	1,110	9,836	2,892	28,113
	1938	13,880	1,027	12	1,110	9,192	3,101	28,322
	1939	13,145	1,282	11	1,128	9,043	2,836	27,485
	1940	13,172	1,418	8	938	8,960	2,772	27,268
February	1936	12,724	1,251	24	1,110	9,288	2,695	27,092
	1937	12,915	1,292	24	1,025	9,490	2,851	27,597
	1938	13,687	1,151	12	1,049	8,916	3,055	27,870
	1939	13,068	1,289	9	1,088	8,121	2,748	26,929
	1940	13,054	1,411	8	849	8,536	2,801	26,659
March	1936	12,810	1,217	23	827	8,300	2,641	25,818
	1937	12,828	1,300	21	768	8,004	2,914	25,835
	1938	13,653	1,154	12	758	7,362	2,908	25,849
	1939	12,882	1,275	8	915	7,817	2,710	25,599
	1940	12,915	1,447	8	653	7,521	2,753	25,297
April	1936	12,828	1,157	10	554	6,543	2,546	23,638
	1937	12,936	1,172	.....	588	6,330	2,911	23,937
	1938	13,746	1,086	.....	528	5,683	2,742	23,787
	1939	12,995	1,233	.....	379	5,560	2,648	22,855
	1940	13,003	1,429	4	459	5,857	2,787	23,539
May	1936	12,803	1,094	.....	409	5,735	2,545	22,589
	1937	14,109	1,117	.....	507	5,546	2,896	24,177
	1938	13,635	1,050	.....	439	5,472	2,751	23,349
	1939	13,089	1,240	.....	255	5,077	2,698	22,359
	1940	13,090	1,536	.....	320	5,204	2,762	22,912
June	1936	12,874	1,108	.....	393	5,846	2,531	22,755
	1937	12,867	1,120	.....	480	5,411	2,787	22,665
	1938	13,555	1,048	.....	428	5,155	2,743	22,931
	1939	13,053	1,252	.....	304	4,955	2,783	22,347
	1940	12,906	1,505	.....	303	5,199	2,810	22,723
July	1936	12,931	1,078	.....	393	5,712	2,559	22,673
	1937	13,077	1,120	.....	492	5,379	2,786	22,854
	1938	13,579	1,047	.....	503	5,177	2,754	23,062
	1939	12,968	1,236	.....	301	5,034	2,887	22,426
	1940	12,639	1,375	.....	320	5,512	2,768	22,623
August	1936	12,890	1,071	.....	574	6,981	2,606	24,122
	1937	13,091	1,093	.....	591	7,037	2,854	24,666
	1938	13,523	1,059	.....	538	6,467	2,710	24,297
	1939	12,901	1,228	.....	338	6,568	2,912	23,947
	1940	12,708	1,379	.....	371	6,881	2,777	24,116
September	1936	12,899	1,130	6	1,103	8,990	2,645	26,763
	1937	13,376	1,087	.....	1,148	8,360	2,884	26,855
	1938	13,509	1,124	.....	846	7,364	2,757	25,600
	1939	12,923	1,319	.....	591	7,944	2,937	25,714
	1940	12,814	1,365	.....	576	7,704	2,786	25,245
October	1936	12,986	1,139	29	1,332	9,964	2,721	28,173
	1937	13,478	1,049	18	1,361	9,340	3,000	28,244
	1938	13,500	1,203	8	1,278	8,978	2,838	27,865
	1939	12,992	1,321	.....	993	9,276	2,881	27,469
	1940	12,963	1,353	5	994	8,480	2,860	26,661
November	1936	12,992	1,194	33	1,216	9,987	2,763	28,185
	1937	13,691	1,457	20	1,253	9,575	2,630	27,629
	1938	13,508	1,248	8	1,391	9,468	2,746	28,369
	1939	13,138	1,395	12	815	9,565	2,923	27,848
	1940	13,106	1,360	5	1,044	9,150	2,755	27,420
December	1936	13,046	1,229	24	1,144	9,954	2,776	28,173
	1937	13,676	1,518	23	1,169	9,449	3,080	28,115
	1938	13,330	1,254	8	1,225	9,253	2,883	27,953
	1939	13,208	1,424	11	813	9,038	2,869	27,423
	1940	13,012	1,295	5	951	9,038	2,764	27,069
Average	1936	12,881	1,158	15	847	8,054	2,639	25,597
	1937	13,268	1,050	10	874	7,813	2,873	25,890
	1938	13,592	1,120	5	841	7,374	2,833	25,767
	1939	13,035	1,284	4	667	7,384	2,826	25,260
	1940	12,949	1,406	4	649	7,337	2,783	25,128

Table 35.—Wage-earners Employed and Days' Work Done, by Months, in the Coal Mines of Canada, 1940, with Comparative Totals for 1939

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	5,674	21,594	27,268	134,890	447,321	582,211
February.....	5,586	21,073	26,659	122,543	399,036	521,579
March.....	5,324	19,973	25,297	116,075	372,346	488,421
April.....	5,003	18,536	23,539	109,476	366,663	476,139
May.....	4,894	18,018	22,912	112,451	376,084	488,535
June.....	4,923	17,800	22,723	107,125	348,057	455,182
July.....	4,865	17,758	22,623	111,541	374,149	485,690
August.....	5,114	19,002	24,116	119,985	410,900	530,885
September.....	5,206	20,039	25,245	116,019	392,765	508,784
October.....	5,516	21,145	26,661	140,320	463,251	603,571
November.....	5,620	21,800	27,420	137,470	486,011	623,481
December.....	5,504	21,565	27,069	128,091	437,815	565,906
Total for 1940.....				1,455,986	4,874,498	6,330,384
Total for 1939.....				1,371,687	4,367,088	5,738,695

Table 36.—Wage-earners Employed in the Coal Mines of Canada, by Classes and by Provinces, 1940, with Comparative Totals for 1939

Classification	Province							Canada		
	Nova Scotia	New Brunswick	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Surface	Under-ground	Total
Administration.....	58	19		7	53	14		151		151
Clerks.....	117	20		15	120	30		302		302
Screenmen and loaders.....	647	99		67	566	138		1,517		1,517
Foremen and officials.....	767	38	1	22	502	110		226	1,214	1,440
Stripping shovel operators.....		1		21	12			34		34
Cleaning shovel operators.....				2				2		2
Hand cutters and helpers.....	562	635	2	176	1,833	367		3,575		3,575
Machine cutters and helpers.....	1,006	103		33	260	154		1,556		1,556
Machine loaders and helpers.....	2,309	118		81	1,289	451		4,248		4,248
Horse haulage employees.....	371	5		34	358	120		35	854	889
Mechanical haulage employees.....	1,651	23		24	388	356		111	2,331	2,442
Ventilation employees.....	233	2			46	76			357	357
Roadmakers.....	321	9		20	142	24		5	511	516
Timbermen.....	1,058	24		13	326	127		5	1,543	1,548
Pumpmen.....	88	16	1	4	24	1		9	125	134
Loading shovel.....				14				14		14
Chute loaders.....	47				141	11			199	199
Enginemen.....	312	23		8	121	43		368	139	507
Firemen.....	122	7		9	76	24		238		238
Machinists.....	216	8		5	68	43		308	32	340
Carpenters and masons.....	119	19		5	45	37		224	1	225
Other mechanics.....	356	7		6	114	220		281	422	703
Japanese.....						3		3		3
Chinese.....						71		70	1	71
Indians.....										
All other employees.....	2,580	229		83	853	363		1,366	2,751	4,117
Total for 1940.....	12,949	1,406	4	619	7,337	2,783		5,269	19,859	25,128
Total for 1939.....	13,835	1,284	4	667	7,394	2,826		5,339	19,861	25,200

Table 37.—Average Output of Coal per Man-Day in Canada, by Provinces and by Districts, 1939 and 1940

	1939			1940		
	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.....	2,084,291	5,413,615	2,597	2,327,570	5,896,839	2,533
Cumberland.....	403,193	808,051	2,004	460,583	929,497	2,018
Inverness.....	83,626	121,374	1,451	103,250	173,122	1,677
Pictou.....	437,915	708,136	1,617	514,151	849,463	1,652
Total.....	3,009,025	7,051,176	2,343	3,405,554	7,848,921	2,305
NEW BRUNSWICK.....						
	330,478	468,421	1,417	385,677	547,064	1,418
MANITOBA.....						
	930	1,138	1,224	782	1,697	2,170
SASKATCHEWAN.....						
	164,013	960,000	5,853	152,399	1,097,517	7,202
ALBERTA—						
Bituminous—						
Cascade.....	60,634	194,441	3,207	59,077	206,732	3,499
Crownsnest.....	364,866	1,400,802	3,839	407,673	1,616,466	3,965
Highwood.....	69	10	0,145	638	305	0,478
Mountain Park.....	218,769	810,584	3,705	267,489	1,011,282	3,781
Nordegg.....	38,351	151,107	3,940	54,076	234,441	4,335
Total Bituminous.....	682,689	2,556,944	3,745	788,933	3,069,206	3,890
Sub-Bituminous—						
Coalspur.....	80,269	360,436	4,490	96,781	448,619	4,635
Morley.....	90	107	1,189	22	73	3,318
Pekisko.....	2,011	5,385	2,678	2,893	5,673	1,961
Pincher.....	807	1,374	1,703	288	696	2,104
Prairie Creek.....	41,818	104,063	2,488	42,726	100,753	2,358
Saunders.....	16,956	40,736	2,402	16,417	42,962	2,617
Total Sub-Bituminous.....	141,951	512,101	3,608	159,127	598,686	3,762
Lignite—						
Ardley.....	7,057	15,694	2,224	7,156	17,761	2,482
Big Valley.....	1,537	2,447	1,592	1,678	2,652	1,580
Brooks.....	3,283	10,990	3,345	3,166	11,326	3,577
Camrose.....	20,665	54,693	2,647	20,849	59,955	2,876
Carbon.....	25,938	80,032	3,086	23,440	70,851	3,023
Castor.....	15,762	38,110	2,418	16,015	42,417	2,644
Champion.....	8,020	15,273	1,904	7,598	14,821	1,951
Drunheller.....	310,160	1,223,337	3,944	325,878	1,288,165	3,953
Edmonton.....	141,548	472,132	3,335	138,681	482,126	3,477
Gleichen.....	15,137	26,091	1,724	14,865	23,221	1,562
Halcourt.....	3,316	2,992	0,902	3,216	3,077	0,957
Lethbridge.....	109,432	329,416	3,010	104,638	327,817	3,133
Magrath.....	445	431	0,969	357	305	0,854
Milk River.....	2,521	5,961	2,365	2,561	5,116	1,998
Pakan.....	343	202	0,589	197	118	0,599
Pakowki.....	904	1,464	1,619	859	1,358	1,581
Pembina.....	9,904	38,955	3,933	12,367	50,451	4,079
Redcliff.....	7,333	26,104	3,560	8,809	30,418	3,453
Rochester.....	747	974	1,304	952	1,965	2,064
Sesmith.....	84	95	1,131	186	234	1,258
Sheerness.....	6,583	36,784	5,588	5,563	30,631	5,506
Steveville.....						
Taber.....	5,797	12,781	2,205	5,740	13,344	2,325
Tofield.....	12,375	47,667	3,852	13,533	51,208	3,778
Westlock.....				756	2,059	2,724
Wetaskiwin.....	2,122	3,224	1,519	2,101	3,831	1,823
Whitecourt.....	109	229	2,101	89	380	4,270
Area not designated.....	1,929	4,095	2,123	366	340	0,929
Total Lignite.....	713,051	2,460,163	3,436	721,666	2,535,947	3,514
Total Alberta.....	1,537,691	5,519,208	3,589	1,669,746	6,203,839	3,715
BRITISH COLUMBIA—						
Crow's Nest Pass.....	143,562	629,392	4,384	184,322	869,704	4,718
Inland.....	98,988	229,692	2,320	73,742	177,091	2,401
Island.....	454,006	833,671	1,836	458,162	821,051	1,792
Total.....	696,558	1,692,755	2,430	716,226	1,867,846	2,608
YUKON.....						
Canada.....	5,738,695	15,692,698	2,735	6,330,384	17,566,884	2,775

Table 38.—Fatal and Non-Fatal Accidents in the Coal Mining Industry in Canada, by Provinces, 1940, with Comparative Totals for 1939

	Nova Scotia		New Brunswick		Manitoba		Saskatchewan		Alberta		British Columbia		Canada	
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
UNDERGROUND														
Falls of roof or face.....	6	892	1	123			1	40	7	54		239	15	1,348
Mine cars and locomotives.....	5	511		101				36	2	36	2	60	9	744
Gas and dust explosions.....		2		1					1	2	3	1	4	6
Explosives.....		3		11				3				4		21
Electricity.....				8										8
Timbering.....								6		2	1		1	8
Mining and loading coal.....								49		16				65
Coal cutting machines.....									1	5			1	5
Miscellaneous.....	2	1,114		245				35		35		391	2	1,820
Total underground.....	13	2,522	1	489			1	169	11	150	6	695	32	4,025
SURFACE														
Haulage and cars.....		46		18				14		2		10		90
Machinery.....		21		11								4		36
Miscellaneous.....		145		52				25	2	24		35	2	281
Total surface.....		212		81				39	2	26		49	2	407
Total for 1940.....	13	2,734	1	570			1	208	13	176	6	744	34	4,432
Total for 1939.....	16	2,536	1	476			1	255	17	237	6	699	41	4,203

Table 39.—Fuel and Electricity Used in the Coal Mining Industry in Canada, by Kinds and by Provinces, 1940

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.....	375,853			480	93,704,440		23,844,557
Value.....\$	1,243,099			144	994,123	2,237,366	
NEW BRUNSWICK—							
Quantity.....	5,009			23,543	2,012,453		
Value.....\$	17,100			5,089	40,366	62,555	
MANITOBA—							
Quantity.....			140				
Value.....\$			302			302	
SASKATCHEWAN—							
Quantity.....			22,125	91,296	2,812,082		121,100
Value.....\$			23,177	20,926	53,235	97,338	
ALBERTA—							
Quantity.....	116,152		23,566	48,714	30,144,378		10,324,698
Value.....\$	270,890		25,193	10,995	366,073	673,151	
BRITISH COLUMBIA—							
Quantity.....	31,777			23,903	16,364,830		17,944,078
Value.....\$	75,922			3,849	159,772	239,543	
Canada—							
Quantity.....\$	528,791		45,831	187,936	145,038,183		52,234,433
Value.....\$	1,607,611		48,672	41,063	1,613,569	3,310,255	

Table 40.—Power Employed in the Coal Mining Industry in Canada, by Provinces, 1940, with Comparative Totals for 1939

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.	45 50,358	1 22		46 60,380	677 53,607	723 103,987	112 9,657	789 63,264	95 31,480
New Brunswick..... No. H.P.	9 377	7 157		16 534	186 1,580	202 2,114		186 1,580	9 375
Manitoba..... No. H.P.	1 30			1 30		1 30			1 50
Saskatchewan..... No. H.P.	22 1,310	36 904		58 2,214	227 4,724	265 6,938	37 542	264 5,266	8 1,532
Alberta..... No. H.P.	140 20,872	132 2,088		272 22,960	1,164 32,122	1,436 55,082	315 7,787	1,479 39,909	141 16,901
British Columbia. No. H.P.	64 15,912	14 640	2 12,000	80 28,552	121 5,285	201 33,837	84 8,225	205 13,510	20 5,401
Total for 1940... No. H.P.	281 88,859	190 3,811	2 12,000	473 104,670	2,375 97,318	2,848 201,988	548 26,211	2,923 123,529	283 55,730
Total for 1939... No. H.P.	301 90,514	172 3,879	2 12,000	475 106,393	2,451 99,642	2,926 206,935	557 26,947	3,008 126,589	283 56,055

Table 41.—Capital Employed in the Coal Mines of Canada, by Provinces, 1939 and 1940

Province	1939				1940			
	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.....	33,216,506	3,453,405	8,151,120	44,821,031	31,933,400	2,746,740	8,035,399	42,715,539
New Brunswick...	776,612	37,874	302,420	1,206,906	932,347	36,360	494,612	1,463,319
Manitoba.....	3,000	100	500	3,600	2,500	100	500	3,100
Saskatchewan.....	3,748,459	130,660	381,928	4,261,047	2,982,291	84,716	331,592	3,398,599
Alberta.....	29,811,382	821,006	6,333,786	36,966,174	27,257,731	863,425	6,265,591	34,386,747
British Columbia..	19,402,252	244,763	2,076,651	21,813,666	19,549,183	379,169	1,739,234	21,667,586
Yukon.....								
Canada.....	87,048,271	4,687,908	17,336,405	109,072,484	82,657,452	4,110,510	16,866,928	103,634,890

CHAPTER TWO

PRINCE EDWARD ISLAND

Coal made available for consumption in Prince Edward Island in 1940 totalled 95,596 tons compared with 100,875 tons in the preceding year. Shipments from Nova Scotia mines amounted to 88,389 tons; from New Brunswick 754 tons; from Great Britain, 5,019 tons and from the United States, 1,434 tons. In 1939 receipts from Nova Scotia totalled 88,664 tons; from New Brunswick, 1,277 tons; from Great Britain, 4,523 tons; from Germany, 1,562 tons, and from the United States, 4,849 tons.

Table 42.—Exports of Canadian Coal through Prince Edward Island Ports, 1936-1940

(Short tons)

Port	1936	1937	1938	1939	1940
Charlottetown.....	5	11	10	-	-
Total.....	5	11	10	-	-

Table 43.—*Imports into Prince Edward Island of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939					1940					
		Anthracite			Bituminous, all grades	Total coal	Anthracite			Bituminous, all grades	Total coal	
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			Total
Charlottetown	U.S.....	2,504		2,504	96	2,600	1,337			1,337	97	1,434
	G.B.....				2,514	2,514	2,249			2,249		2,249
	Germany.....	1,562		1,562		1,562						
Summerside	U.S.....	2,249		2,249		2,249						
	G.B.....				2,009	2,009	2,770			2,770		2,770
Total.....	U.S.....	4,753		4,753	96	4,849	1,337			1,337	97	1,434
	G.B.....				4,523	4,523	5,019			5,019		5,019
	Germany.....	1,562		1,562		1,562						
Grand total.....		6,315		6,315	4,619	10,934	6,356			6,356	97	6,453

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

Table 44.—Summary Statistics for Prince Edward Island in 1940—Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian coal received from other provinces	Exported	Imported from U.S.A.	Imported from Great Britain
January—				
Anthracite.....				
Bituminous.....	7,542			
Total.....	7,542			
February—				
Anthracite.....				
Bituminous.....	6,612			
Total.....	6,612			
March—				
Anthracite.....				
Bituminous.....	6,678		34	
Total.....	6,678		34	
April—				
Anthracite.....				
Bituminous.....	5,201			
Total.....	5,201			
May—				
Anthracite.....				
Bituminous.....	5,805			
Total.....	5,805			
June—				
Anthracite.....				2
Bituminous.....	4,970			
Total.....	4,970			2
July—				
Anthracite.....				2,249
Bituminous.....	5,288			
Total.....	5,288			2,249
August—				
Anthracite.....			179	2,770
Bituminous.....	6,622			
Total.....	6,622		179	2,770
September—				
Anthracite.....				
Bituminous.....	9,847			
Total.....	9,847			
October—				
Anthracite.....			1,156	
Bituminous.....	9,387		63	
Total.....	9,387		1,219	
November—				
Anthracite.....				
Bituminous.....	10,941			
Total.....	10,941			
December—				
Anthracite.....				
Bituminous.....	10,250			
Total.....	10,250			
Total—				
Anthracite.....			1,337	5,019
Bituminous.....	89,143		97	
Total.....	89,143		1,434	5,019

CHAPTER THREE

NOVA SCOTIA

Nova Scotia coal mines produced 7,848,921 tons in 1940 compared with 7,051,176 tons in the preceding year. The output from Cape Breton mines amounted to 5,896,839 tons or 8.9 per cent above the 1939 total. Production from the Cumberland district totalled 929,497 tons as against 808,051 tons a year ago. In the Inverness district the output increased to 173,122 tons from the 1939 total of 121,374 tons. An increase of 20 per cent was reported in the Pictou output; the 1940 total was 849,463 tons and the preceding year's total 708,136 tons.

Shipments of Nova Scotia coal in 1940 aggregated 7,254,482 tons; a year ago, 6,363,809 tons were shipped. Quebec continued to be the principal market for Nova Scotia coal; in 1940 this province received 3,322,525 tons of coal for railroad and other purposes. Direct shipments from the mines for consumption within Nova Scotia (except local sales to employees) totalled 2,516,879 tons and included 526,643 tons for railroad use and 1,990,236 tons for other uses. New Brunswick received 749,290 tons during the year and Prince Edward Island 88,389 tons. Coal supplied for ships' bunkers totalled 313,883 tons in 1940. Nova Scotia mines shipped 53,155 tons direct to Ontario; in addition to this tonnage, trans-shipments were made from Montreal to the following districts: Ottawa area 258,442 tons; Kingston area 22,074 tons; Toronto area 279,177 tons; Windsor area 40,138 tons and the Northern Ontario area 360,744 tons.

Mines in Nova Scotia active in 1940 produced approximately 80 per cent of their possible output; 9.4 per cent of the output loss was due to lack of orders. These mines had a production loss of 1,916,139 tons estimated to have been due to causes other than strikes.

Nova Scotia's coal supply in 1940 (calculated on the basis of output, plus imports less the tonnage shipped from the province) was 3,544,599 tons, of which mines within the province produced 96.9 per cent. Other contributors to this province's coal supply were Great Britain, the United States, and the neighbouring province of New Brunswick.

On the average, 12,949 wage-earners were employed in the operation of Nova Scotia coal mines in 1940. These men received 3,405,554 man-days work or an average of 263 days per man during the year. During the preceding year, 13,035 wage-earners were employed and these men worked 3,009,025 eight-hour shifts or an average of 231 shifts per man.

Table 45.—Output of Coal from Nova Scotia Mines, 1785-1940

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1785-1866.....	2,649,416	4,139,714	1892.....	2,159,389	3,374,046	1917.....	6,327,091	10,410,737
1867.....	596,332	931,769	1893.....	2,444,924	3,820,194	1918.....	5,818,562	21,095,470
1868.....	574,106	897,041	1894.....	2,527,982	3,949,970	*1919.....	5,790,196	22,350,157
1869.....	647,727	1,012,074	1895.....	2,225,145	3,476,790	*1920.....	6,437,156	32,314,523
1870.....	719,211	1,123,767	1896.....	2,508,579	3,919,655	*1921.....	5,734,928	27,782,050
1871.....	754,827	1,179,417	1897.....	2,493,554	3,895,179	*1922.....	5,569,072	24,629,921
1872.....	1,003,806	1,568,446	1898.....	2,503,180	4,004,970	*1923.....	6,597,838	28,170,468
1873.....	1,108,245	1,731,632	1899.....	3,148,822	5,622,898	*1924.....	5,557,441	22,280,554
1874.....	972,954	1,520,240	1900.....	3,623,536	6,088,250	*1925.....	3,842,978	15,826,680
1875.....	930,613	1,454,084	1901.....	4,158,068	6,496,982	*1926.....	6,747,477	26,845,226
1876.....	837,755	1,308,991	1902.....	5,161,316	9,216,630	*1927.....	7,071,876	27,194,671
1877.....	880,215	1,375,339	1903.....	5,633,338	10,095,248	*1928.....	6,743,504	27,427,558
1878.....	875,994	1,368,741	1904.....	5,596,241	9,993,289	*1929.....	7,056,133	28,071,956
1879.....	866,220	1,353,469	1905.....	5,646,583	10,063,184	*1930.....	6,252,552	24,528,890
1880.....	1,177,669	1,840,108	1906.....	6,220,505	11,108,044	*1931.....	4,955,593	19,016,720
1881.....	1,280,050	2,000,079	1907.....	6,354,133	12,764,999	*1932.....	4,081,581	15,167,793
1882.....	1,524,947	2,382,730	1908.....	6,652,539	13,364,476	*1933.....	4,557,590	15,969,793
1883.....	1,578,609	2,466,576	1909.....	5,652,089	11,354,643	*1934.....	6,341,625	21,800,093
1884.....	1,543,829	2,412,233	1910.....	5,431,142	12,919,705	*1935.....	5,822,075	20,391,227
1885.....	1,547,990	2,418,735	1911.....	7,004,420	14,071,379	*1936.....	6,649,102	22,973,281
1886.....	1,698,018	2,653,152	1912.....	7,783,888	17,374,750	*1937.....	7,256,934	25,640,819
1887.....	1,858,596	2,904,067	1913.....	7,980,073	17,812,663	*1938.....	6,236,417	22,523,802
1888.....	1,942,231	3,034,735	1914.....	7,370,924	16,462,955	*1939.....	7,051,176	25,611,271
1889.....	1,918,827	2,998,167	1915.....	7,463,370	16,659,308	*1940.....	7,848,921	28,766,195
1890.....	2,181,033	3,407,864	1916.....	6,912,140	18,514,662			
1891.....	2,287,919	3,543,624				Total..	366,623,827	867,312,463

* For the years 1919-1940 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 46.—Output of Coal from Nova Scotia Mines, by Months, 1936-1940

(Short tons)

Month	1936	1937	1938	1939	1940
January.....	435,997	500,455	606,954	390,479	683,153
February.....	420,552	453,477	534,257	432,283	620,210
March.....	425,146	453,659	528,559	481,124	597,456
April.....	423,984	407,437	402,076	452,322	627,884
May.....	571,892	639,377	616,579	693,282	691,133
June.....	626,590	622,492	572,493	646,430	622,802
July.....	646,568	694,786	469,737	618,005	644,252
August.....	565,859	698,983	476,785	630,622	687,391
September.....	653,918	697,474	539,676	624,367	651,809
October.....	890,343	694,425	570,368	723,691	708,925
November.....	622,152	700,919	490,733	713,761	691,167
December.....	566,101	633,470	428,200	634,790	622,740
Total.....	6,649,102	7,256,954	6,236,417	7,051,176	7,848,921

Table 47.—Output of Coal by Districts in Nova Scotia, 1936-1940

(Short tons)

District	1936	1937	1938	1939	1940
Cape Breton.....	5,158,877	5,490,819	4,676,730	5,413,615	5,896,839
Cumberland.....	701,767	807,651	713,788	808,051	929,497
Inverness.....	142,540	186,927	173,535	121,374	173,122
Pictou.....	645,918	771,557	672,384	708,136	849,463
Total.....	6,649,102	7,256,954	6,236,417	7,051,176	7,848,921

Table 48.—Output of Coal by Principal Collieries in Nova Scotia, 1938-1940
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1938	1939	1940
CAPE BRETON DISTRICT—				
Bras d'Or Coal Co., Ltd.	Bras d'Or	131,100	139,140	166,426
British Coal Co., Ltd.	Sydney	5,313	5,965	5,652
Dominion Coal Co., Ltd.	Sydney	3,878,264	4,523,774	4,942,675
Indian Cove Coal Co., Ltd.	Sydney Mines	63,911	60,757	45,590
Old Sydney Collieries Ltd., (formerly Nova Scotia Steel and Coal Co., Ltd.)	Trenton	597,695	683,979	720,410
Sullivan Coal Co., Ltd.	Sydney Mines			16,086
All other operators		447		
Total		4,676,730	5,413,615	5,896,839
CUMBERLAND DISTRICT—				
Cumberland Railway and Coal Co.	Springhill	552,996	644,135	698,964
Joggins Coal Co., Ltd.	Amherst		31,423	100,446
Maritime Coal, Railway & Power Co., Ltd.	Amherst	69,923	25,782	575
Shore Coal Co., Ltd.	Amherst	24,322	23,605	1,503
Standard Coal Co., Ltd.	Amherst	17,980	31,681	58,100
Victoria Coal Co., Ltd.	New Glasgow	48,545	51,268	66,377
All other operators			157	3,532
Total		713,768	808,051	929,497
INVERNESS DISTRICT—				
Inverness Coal Mine	Inverness	133,783	116,369	169,730
Port Hood Coal Mines Ltd.	Port Hood	37,471	1,435	589
All other operators		2,281	3,579	2,803
Total		173,535	121,374	173,122
PICTOU DISTRICT—				
Acadia Coal Co., Ltd.	Stellarton	400,919	476,673	549,593
Greenwood Coal Co., Ltd.	New Glasgow	43,584	40,155	60,311
Intercolonial Coal Co., Ltd.	Westville	226,918	190,286	239,659
All other operators		963	1,022	
Total		672,384	708,136	849,463
Total Nova Scotia		6,236,417	7,051,176	7,848,921

Table 49.—Tonnage Lost in Nova Scotia Coal Mines Showing, by Districts, the Relative Percentages Produced and Lost, with an Analysis of the Percentage Lost, 1939 and 1940

District	Per cent produced	Per cent lost	Percentage lost through					
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes	
Cape Breton	1939	73	27	0.8	25.1	0.1	0.7	0.3
	1940	79	21	4.8	11.3	1.8	1.8	1.3
Cumberland	1939	70	30	6.1	14.5	0.0	1.1	8.3
	1940	76	24	8.1	5.4	0.4	2.2	7.9
Inverness	1939	93	7		5.7		0.4	0.9
	1940	95	5		3.8		0.3	0.9
Pictou	1939	78	24	5.6	17.8		0.2	0.4
	1940	90	10	8.1	1.0		0.5	0.4
Nova Scotia	1939	73	27	1.9	22.9	0.1	0.8	1.3
	1940	80	20	5.4	9.4	1.5	1.7	2.0

Table 50.—Disposition of Coal from Nova Scotia Mines, 1939 and 1940

(Short tons)

	1939		1940					
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	123,162	384,912	112,000	16,969	503	577	130,049	378,617
Coal shipped as per Table 52.....	6,363,809	23,832,694	1,449,220	2,252,663	166,184	3,386,415	7,254,482	27,348,660
Used under colliery boilers.....	282,286	845,519	10,909	751	53,954	200,447	266,661	781,630
Used by companies' railroads.....	33,328	138,044	18,278	10,871	7,648	120	36,917	161,413
Used in shops, etc.....	44,264	172,081	303	1,359	31,897	37,882	71,441	294,594
Used by harbour tugs and dredges.....	1,370	4,681	1,434				1,434	5,463
Put on bank.....	1,430,438	4,789,356	12,972	670,486	7,892	1,095,449	1,786,799	5,952,856
Put on waste heap.....	132,683						157,372	
Total disposition.....	8,411,340	30,167,257	1,605,116	2,953,099	268,078	4,720,890	9,704,555	34,923,232
Lifted from bank.....	1,360,111	4,556,016	13,597	714,376	7,840	1,107,303	1,843,116	6,157,037
Lifted from waste heap.....	53						12,518	
Total output.....	7,051,176	25,611,271	1,591,519	2,338,723	260,238	3,613,587	7,848,921	28,766,195

Table 51.—Tonnes Put on Bank and Lifted from Bank in Nova Scotia, 1936-1940

(Short tons)

Month	1936		1937		1938		1939		1940	
	Put on bank	Lifted from bank								
<i>On bank at first of year.....</i>	<i>139,949</i>	<i></i>	<i>231,532</i>	<i></i>	<i>266,987</i>	<i></i>	<i>173,283</i>	<i></i>	<i>245,610</i>	<i></i>
January.....	174,777	58,966	224,078	81,107	251,611	59,316	157,717	36,248	251,622	86,542
February.....	151,146	55,872	193,857	60,576	271,101	57,684	196,415	34,739	249,473	47,097
March.....	229,823	53,399	177,286	66,760	235,378	62,522	241,891	39,679	238,832	79,090
April.....	96,674	49,710	172,536	63,371	103,057	59,952	172,463	50,649	226,079	66,825
May.....	40,920	110,542	48,149	150,937	66,770	183,717	71,339	124,666	72,942	171,820
June.....	62,700	160,316	61,768	213,676	75,631	235,247	62,353	237,334	71,650	261,092
July.....	39,942	123,311	63,707	193,727	21,089	196,688	59,537	241,588	76,972	289,237
August.....	24,895	167,530	49,087	200,313	22,023	191,999	52,540	210,110	86,224	271,465
September.....	48,139	116,734	58,881	150,984	46,573	147,533	55,268	173,367	84,944	198,015
October.....	33,187	89,016	56,743	122,547	37,256	143,977	55,709	81,865	90,135	166,625
November.....	79,757	79,367	115,038	57,626	57,787	45,539	110,596	65,053	120,875	106,979
December.....	243,585	65,799	241,163	63,014	143,381	41,188	194,584	64,813	216,947	98,329
Total.....	1,225,645	1,131,162	1,460,293	1,424,638	1,331,638	1,425,362	1,436,438	1,360,111	1,786,799	1,843,116

**Table 52.—Shipments of Coal from Nova Scotia Mines, by Grades and by Destinations
1939 and 1940**
(Short tons)

Destination	1939					1940				
	Run-of mine	Lump	Nut and other grades	Slack	Total	Run-of mine	Lump	Nut and other grades	Slack	Total
Coal supplied for bunkers.....	307,773	171	15	1,847	309,806	309,831	1,758		2,294	313,883
Coal supplied to railroads—										
In Nova Scotia.....	252,814	59,583	258	15,004	327,659	397,154	106,878	166	22,445	526,643
In New Brunswick...	67,355	21,037	429	15,394	104,215	101,589	33,565	249	22,223	157,626
In Quebec.....	104,559	286,291	932	4,576	396,358	131,324	305,250	35	3,149	439,758
In Ontario.....										
In Prince Edward Island.....	7,581	1,296	72	3,988	12,937	7,183	1,816	62	3,433	12,494
Total in Canada...	432,309	368,207	1,691	38,962	841,169	637,250	447,509	512	51,250	1,136,521
In Newfoundland.....		31,678			31,678		50,533			50,533
Nova Scotia Iron and Steel.....	14,913	115,961		635,821	766,695	24,068	161,161		937,021	1,122,250
Nova Scotia other shipments by land.....	118,760	200,110	23,830	140,350	489,050	162,519	276,552	33,094	198,666	670,831
Nova Scotia by sea....	12,080	70,619	10,678	61,216	154,593	8,718	101,021	10,490	76,926	197,155
New Brunswick.....	75,830	122,737	21,070	255,767	475,404	89,113	162,761	27,493	312,297	591,664
Newfoundland.....	29,126	72,219	448		101,793	14,853	110,299	368	30,952	156,472
Prince Edward Island..	6,580	48,547	4,053	16,547	75,727	4,452	52,505	3,792	15,146	75,895
Quebec (a).....	115,863	1,165,109	139,920	1,680,787	3,101,679	187,724	885,854	84,062	1,715,127	2,882,767
Ontario.....	7,405			5,396	12,801	46		6,373	46,736	53,155
United States.....										
St. Pierre.....	181	2,244			2,425	646	2,710			3,356
Lost at sea.....		989			989					
Total.....	1,120,820	2,196,591	261,765	2,842,693	6,363,809	1,449,220	2,252,643	166,184	3,386,415	7,254,483

(a) The 1939 and 1940 figures include a considerable quantity of coal sold for railroad use.

Table 53.—Exports of Canadian Coal through Nova Scotia Ports, 1936-1940
(Short tons)

Port	1936	1937	1938	1939	1940
Halifax.....	35		1	2	8
Liverpool.....					
Lunenburg.....					
North Sydney.....	79,645	90,004	109,500	91,049	109,195
Pictou.....				4,302	
Sydney.....	122,823	29,378	17,696	9,585	90,909
Total.....	202,503	119,382	127,197	104,938	200,113

Table 54.—Imports into Nova Scotia of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940*
(Short tons)

Port	Source	1939					1940						
		Anthracite			Bituminous, all grades	Total coal	Anthracite			Bituminous, all grades	Total coal		
		Grate, egg, stove, nut, doubles, cobbles and trebles	Peas, beans and smaller sizes n.o.p.	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			Total	
Annapolis.....	U.S.	318		318		318							
	G.B.	1,000		1,000		1,000	856			856			856
Bridgewater.....	U.S.	453		453		453	225			225			225
Canso.....	U.S.	791		791		791	232			232			232
Digby.....	U.S.						226			226			226
Glace Bay.....	U.S.												
Halifax.....	U.S.	8,305		8,305	2,855	11,160	352			352	15,752		16,104
	G.B.	20,039	12,854	41,633	20,223	70,916	44,681		12,798	57,479	18,450		75,929
	Germany.	3,360		3,360		3,360							
Kentville.....	U.S.	2,587		2,587		2,587							
	G.B.						1,618		477	2,095			2,095
	Germany.	590	165	755		755							
Liverpool.....	U.S.	567		567		567	575			575			575
	G.B.	594	101	695		695	818		87	905			905
Lunenburg.....	U.S.	853		853		853	887			887			887
	G.B.	2,458		2,458		2,458	2,793			2,793			2,793
North Sydney.....	U.S.	45		45		45							
Sydney.....	G.B.										283		283
Weymouth.....	U.S.	167		167		167	175			175			175
Yarmouth.....	U.S.	7,013		7,013		7,013	4,940			4,940	2		4,942
	G.B.						2,690			2,690			2,690
Total	U.S.	21,099		21,099	2,855	23,954	7,612			7,612	15,754		23,366
	G.B.	33,091	12,755	45,846	20,223	75,069	53,456		13,362	66,818	18,733		85,551
	Germany	3,950	165	4,115		4,115							
Grand Total		58,140	12,920	71,060	32,078	103,138	61,068		13,362	74,430	34,487		108,917

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

Table 55.—Summary Statistics for Nova Scotia in 1940—Output, Exports, Inter-provincial Shipments and Imports, by Months and by Kinds

(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite					257	
Bituminous	683,153		176,246	15,562	500	
Total	683,153		176,246	15,562	757	
February—						
Anthracite						14,117
Bituminous	620,210		145,827	11,297	2	
Total	620,210		145,827	11,297	2	14,117
March—						
Anthracite					511	2,797
Bituminous	597,455		150,153	3,452	2,963	
Total	597,455		150,153	3,452	3,474	2,797
April—						
Anthracite					96	3,475
Bituminous	627,884		207,873	1,591	2,635	
Total	627,884		207,873	1,591	2,731	3,475
May—						
Anthracite					136	7,124
Bituminous	691,133		500,918	7,217	2,316	
Total	691,133		500,918	7,217	2,472	7,124
June—						
Anthracite						
Bituminous	622,802		514,558	17,944		
Total	622,802		514,558	17,944		
July—						
Anthracite					2,845	8,965
Bituminous	644,252	160	574,715	55,419	2,238	9,664
Total	644,252	160	574,715	55,419	5,083	18,629
August—						
Anthracite					1,571	8,840
Bituminous	687,391		579,996	19,047		2,714
Total	687,391		579,996	19,047	1,571	11,554
September—						
Anthracite					605	14,064
Bituminous	651,809		456,544	21,536	1,260	1,628
Total	651,809		456,544	21,536	1,865	15,692
October—						
Anthracite					925	856
Bituminous	708,925	72	451,991	11,320	3,420	2,298
Total	708,925	72	451,991	11,320	4,345	3,154
November—						
Anthracite					149	2,335
Bituminous	691,167		315,617	18,207	420	283
Total	691,167		315,617	18,207	569	2,618
December—						
Anthracite					497	4,245
Bituminous	622,740		138,921	17,520		2,146
Total	622,740		138,921	17,520	497	6,391
Total—						
Anthracite					7,612	66,818
Bituminous	7,848,921	232	4,213,359	290,112	15,754	18,733
Total	7,848,921	232	4,213,359	290,112	23,366	85,551

Table 56.—Employees, Salaries and Wages in the Coal Mines of Nova Scotia, by Districts, 1939 and 1940

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	\$	\$
1939								
Cape Breton.....	311	40	1,253	7,932	9,536	681,359	10,989,917	11,671,276
Cumberland.....	55	9	288	1,418	1,770	99,893	1,805,654	1,905,547
Inverness.....	17	2	88	186	293	20,757	284,765	305,522
Pictou.....	65	5	452	1,418	1,910	123,239	1,764,233	1,887,472
Nova Scotia.....	448	56	2,081	10,954	13,539	925,248	14,844,569	15,769,817
1940								
Cape Breton.....	317	40	1,257	7,897	9,511	703,040	12,385,692	13,088,732
Cumberland.....	51	8	288	1,392	1,739	98,338	2,095,131	2,193,469
Inverness.....	12	2	102	250	366	21,324	381,013	402,337
Pictou.....	64	5	420	1,343	1,832	131,639	2,026,741	2,158,380
Nova Scotia.....	444	55	2,067	10,882	13,448	954,341	16,888,577	17,942,918

Table 57.—Employment and Earnings in the Coal Mines of Nova Scotia, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface.....	2,033	2,141	2,132	2,081	2,067
Underground.....	10,848	11,127	11,460	10,954	10,882
Total.....	12,881	13,268	13,592	13,035	12,949
Days' work done—					
Surface.....	510,586	577,019	495,095	536,621	593,496
Underground.....	2,410,460	2,703,767	2,284,228	2,472,404	2,812,058
Total.....	2,921,046	3,280,786	2,779,323	3,009,025	3,405,554
Average number of days worked per man per year—					
Surface.....	251	270	232	258	287
Underground.....	222	243	199	226	258
By all wage-earners.....	227	247	204	231	263
Total wages paid.....	\$ 13,291,656	\$ 15,764,084	\$ 13,676,617	\$ 14,844,569	\$ 16,888,577

Table 58.—Wage-Earners and Work Done, by Months, in the Coal Mines of Nova Scotia in 1940

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,152	11,020	13,172	51,490	238,051	289,541
February.....	2,131	10,923	13,054	47,975	218,987	266,962
March.....	2,077	10,838	12,915	46,787	214,145	260,932
April.....	2,087	10,916	13,003	47,396	224,616	272,012
May.....	2,100	10,900	13,090	50,202	240,498	290,700
June.....	2,097	10,800	12,806	47,914	224,085	271,999
July.....	2,033	10,606	12,639	49,056	235,696	284,752
August.....	2,016	10,692	12,708	50,436	249,770	300,206
September.....	2,005	10,800	12,814	47,170	233,210	280,380
October.....	2,027	10,936	12,963	56,039	248,947	304,986
November.....	2,042	11,058	13,100	50,248	250,589	300,837
December.....	2,029	10,983	13,012	48,783	233,464	282,247
Total.....				593,496	2,812,958	3,405,554

Table 59.—Number of Man-Days Worked, by Districts, in Nova Scotia, 1939 and 1940

District	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Cape Breton.....	315,443	1,768,848	2,084,291	346,876	1,980,694	2,327,570
Cumberland.....	75,478	327,715	403,193	85,685	374,898	460,583
Inverness.....	28,758	54,868	83,626	33,806	69,444	103,250
Pictou.....	116,942	320,973	437,915	127,129	387,022	514,151
Total.....	536,621	2,472,404	3,009,025	593,496	2,812,058	3,405,554

Table 60.—Wage-Earners Employed in the Coal Mines of Nova Scotia, by Classes, 1939 and 1940

Classification	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	57		57	58		58
Foremen and officials.....	54	685	739	58	709	767
Clerks.....	117		117	117		117
Screenmen and loaders.....	643		643	647		647
Handcutters and helpers.....		589	589		562	562
Machine cutters and helpers.....		1,010	1,010		1,006	1,006
Machine loaders and helpers.....		2,448	2,448		2,309	2,309
Horse haulage employees.....	3	397	400	1	370	371
Mechanical haulage employees.....	17	1,575	1,592	14	1,637	1,651
Ventilation employees.....		237	237		233	233
Roadmakers.....		324	324		321	321
Timbermen.....		1,100	1,100		1,058	1,058
Pumpmen.....	3	86	89	2	89	88
Chute loaders.....		39	39		47	47
Enginemmen.....	180	134	314	176	136	312
Firemen.....	124		124	122		122
Machinists.....	198	13	211	200	16	216
Carpenters and masons.....	119	1	120	119		119
Other mechanics.....	96	267	363	83	273	356
All other employees.....	470	2,049	2,519	470	2,119	2,589
Total.....	2,081	10,954	13,035	2,067	10,882	12,949

Table 61.—Capital Employed in the Coal Mines of Nova Scotia, 1939 and 1940

	1939	1940
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	33,216,566	31,933,400
Cost of supplies and stock on hand.....	3,453,405	2,746,740
Cash, trading and operating accounts and bills receivable.....	8,151,120	8,035,399
Total.....	44,821,091	42,715,539

CHAPTER FOUR
NEW BRUNSWICK

Coal output in New Brunswick reached its highest point in 1940; the year's total was 547,064 tons or 16.8 per cent above the 1939 output which was the previous record.

Active mines in this province produced 88 per cent of their possible output as against 82 per cent in the preceding year. Causes other than strikes were responsible for a computed loss in production of 75,759 tons.

New Brunswick mines shipped 534,698 tons of coal in 1940; approximately 37.5 per cent of this quantity was sold for railroad use. The coal sold to railroads included 20,588 tons of run-of-mine, 178,792 tons of lump, 1,042 tons of nut and other grades and 117 tons of slack. Purchases direct from the mines by industrial users totalled 272,000 tons made up of 34.1 per cent slack, 26.9 per cent run-of-mine and 32.7 per cent stripping coal.

Mines in this province provided, on the average, employment to 1,406 wage-earners who worked 385,677 shifts or 274 days per man. The average output per man-day in 1940 was 1.418 tons compared with an average of 1.417 tons in 1939.

Table 62.—Output of Coal from New Brunswick Mines, 1887-1940

(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1887.....	10,040	23,807	1906.....	34,076	68,152	*1925.....	208,012	815,367
1888.....	5,730	11,050	1907.....	34,584	77,814	*1926.....	173,111	710,245
1889.....	5,673	11,733	1908.....	60,000	135,000	*1927.....	203,950	885,038
1890.....	7,110	13,850	1909.....	49,029	98,496	*1928.....	207,738	869,104
1891.....	5,422	11,030	1910.....	55,455	110,910	*1929.....	218,706	909,169
1892.....	6,768	9,375	1911.....	55,781	111,562	*1930.....	209,349	864,118
1893.....	6,200	9,837	1912.....	44,780	89,560	*1931.....	182,181	743,196
1894.....	6,469	10,264	1913.....	70,311	166,637	*1932.....	212,695	794,168
1895.....	9,500	14,250	1914.....	98,049	241,075	*1933.....	312,303	1,041,744
1896.....	7,500	11,250	1915.....	127,391	309,612	*1934.....	314,750	1,028,343
1897.....	6,000	9,000	1916.....	143,540	368,016	*1935.....	346,024	1,129,019
1898.....	6,160	9,240	1917.....	189,095	708,010	*1936.....	368,618	1,190,032
1899.....	10,528	15,792	1918.....	208,212	1,331,710	*1937.....	364,714	1,180,611
1900.....	10,000	15,000	*1919.....	166,377	735,386	*1938.....	342,238	1,133,346
1901.....	17,630	51,857	*1920.....	171,610	1,091,440	*1939.....	468,421	1,566,359
1902.....	18,795	39,680	*1921.....	187,192	920,666	*1940.....	547,064	1,961,863
1903.....	16,000	40,000	*1922.....	287,513	1,107,643			
1904.....	9,112	18,224	*1923.....	276,617	1,198,772	Total..	7,410,644	27,022,207
1905.....	29,400	58,800	*1924.....	217,121	932,185			

* For the years 1919-1940 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 63.—Output of Coal from New Brunswick Mines, by Months, 1936-1940
(Short tons)

Month	1936	1937	1938	1939	1940
January.....	36,836	40,359	25,855	37,337	47,234
February.....	39,476	41,362	29,320	42,934	45,518
March.....	25,089	44,070	37,714	46,164	44,702
April.....	30,269	34,325	27,487	36,362	41,968
May.....	27,571	27,896	21,497	30,315	40,586
June.....	23,585	36,599	24,249	39,827	43,511
July.....	26,110	32,528	20,056	35,233	45,311
August.....	22,981	31,260	21,603	34,523	48,180
September.....	28,843	32,722	26,860	36,827	40,361
October.....	32,856	17,539	30,028	40,090	52,017
November.....	36,325	12,172	38,601	43,992	49,252
December.....	38,677	13,882	38,968	59,717	42,364
Total.....	368,618	364,714	342,238	468,421	547,064

Table 64.—Output of Coal by Principal Collieries in New Brunswick, 1938-1940
(Average output of 500 tons or more per month)
(Short tons)

Name	Address	1938	1939	1940
Avon Coal Co., Ltd.	Saint John.....	39,326	47,113	51,841
Evans, W. B. (Rothwell Coal Co., Ltd.)	Minto.....	27,136	32,695	44,275
King, G. H.	Chipman.....		21,167	21,407
McDougal, J. G.	Minto.....	7,554	2,481	2,390
Minto Coal Co., Ltd.	Minto.....	86,461	130,108	128,234
Miramichi Lumber Co., Ltd.	Minto.....	48,925	74,011	93,760
Myles, Geo. H.	Minto.....			7,958
Myles & Wisely (formerly Geo. H. Myles & Co.)	Minto.....	21,233	13,257	29,870
Newcastle Coal Co.	Minto.....	13,354	28,261	32,254
Pennlyn Coal Co., Ltd.	Saint John.....			6,995
Thurrott, H. P.	Newcastle Creek.....	1,122	3,231	9,745
Welton, Harvey Ltd.	Minto.....	7,997	9,364	9,745
Welton & Henderson Ltd.	Minto.....	67,954	56,275	44,313
Welton, Henderson & King (McAllister Lease)	Chipman.....	9,563	25,623	24,688
Wisely, W. B.	Chipman.....		13,917	32,542
Yeamans, C. S.	Newcastle Bridge.....	6,006	3,919	7,123
All other operators.....		5,807	6,999	10,660
Total.....		342,238	468,421	547,064

Table 65.—Tonnage Lost in New Brunswick Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1939 and 1940

Year	Per cent produced	Per cent lost	Percentage lost through:				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1939.....	82	18	2.2	13.2	0.0	1.2	1.4
1940.....	88	12	3.2	6.2		1.7	0.9

Table 66.—Disposition of Coal from New Brunswick Mines, by Grades, 1939 and 1940
(Short tons)

—	1939		1940					Total	
	Total		Striping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value						Quantity	Value
Supplied to employees for domestic consumption.....	5,356	13,716	11	5,701				5,712	15,219
Shipped as per Table 67.....	462,128	1,551,784	97,584	119,078	208,672	5,287	104,077	534,698	1,927,549
Used under colliery boilers, etc.....	2,467	7,559	2,523	1,027			259	3,809	13,841
Used by companies' railroads.....	1,212	3,283		1,200				1,200	4,059
Put on bank.....	12,781	32,762	961	695	1,165		3,184	6,005	19,500
Put on waste heap.....	1,632							903	
Total disposition.....	484,976	1,609,104	101,079	127,701	209,837	5,287	107,520	552,327	1,979,398
Lifted from bank.....	16,555	42,745	271	529	1,303		3,160	5,263	17,535
Lifted from waste heap.....									
Total output.....	468,421	1,566,359	100,808	127,172	208,534	5,287	104,360	547,064	1,961,863

Table 67.—Shipments of Coal from New Brunswick Mines, by Grades and Destination, 1939 and 1940

(Short tons)

Destination	1939						1940					
	Strip-ping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total	Strip-ping coal	Run-of-mine	Lump	Nut and other grades	Slack	Total
New Brunswick.....	21,799	87,273	13,827	5,525	78,199	206,623	52,112	88,005	25,872	3,371	81,952	251,312
Nova Scotia.....			98			98			232			232
Prince Edward Island.....		90	996	49	142	1,277		59	695			754
Quebec.....	30,299	14,668	2,495	342	776	48,590	41,552	8,481	1,963	874	875	53,745
Ontario.....	498				295	793	1,360	37	47		87	1,531
United States.....	110	483	1,054	32	23,753	25,432		4,468	672		21,046	26,186
Railroads—												
In Canada.....		24,259	148,982	1,143	4,446	178,830	2,560	18,028	178,792	1,042	117	200,539
In United States.....												
<i>Total Railroads...</i>		<i>14,269</i>	<i>148,982</i>	<i>1,143</i>	<i>4,446</i>	<i>178,830</i>	<i>2,560</i>	<i>18,028</i>	<i>178,792</i>	<i>1,042</i>	<i>117</i>	<i>200,539</i>
Ships' bunkers.....			495			495			389			399
Total.....	52,706	126,773	167,947	7,091	107,611	462,128	97,584	119,078	288,672	5,287	104,077	534,698

Table 68.—Exports of Canadian Coal through New Brunswick Ports, 1936-1940

(Short tons)

Port	1936	1937	1938	1939	1940
Edmundston*			44,332	74,969	73,831
McAdam Junction.....	35	1	1	1,323	1,137
St. Andrews.....					
Saint John.....	1,350				
St. Stephen.....	4,012	3,528	15,668	30,209	31,663
Woodstock.....	69,203	81,413	19,664	4,080	3,166
Total.....	74,603	84,942	79,665	110,581	109,797

*Prior to April, 1938, Edmundston was included with Woodstock.

Table 69.—Imports into New Brunswick of Anthracite and Bituminous Coal, by Sources and by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939				1940							
		Anthracite			Bitum- inous, all grades	Total	Anthracite			Bitum- inous, all grades	Total		
		Grate egg, stove, nut, doubles, cobble and treble	Peas, beans, and smaller sizes n.o.p.	Total			Grate egg, stove, nut, doubles, cobble and treble	Screen- ings or dust	Peas, beans and smaller sizes n.o.p.			Total	
Bathurst.....	U.S.....				2,755	2,755						42	42
Campbellton.....	U.S.....												
	G.B.....	793	216	1,009		1,009	892			892			892
Edmundston.....	U.S.....	110		110	72	182	40			40		33	73
Fredericton.....	U.S.....				96	96		30		27		57	88
St. Andrews.....	U.S.....	102		102	76	178	8			8		1	9
Saint John.....	U.S.....	21,550	1,167	22,717	6,592	29,309	19,678			814	20,492	8,129	28,621
	G.B.....	46,183	1,404	47,587	14,987	62,574	58,402			2,291	60,693	11,715	72,408
St. Stephen.....	U.S.....	2,508		2,508	4,241	6,749	903			903		33	936
	G.B.....	1,666		1,666		1,666	3,879				3,879		3,879
Woodstock.....	U.S.....	110		110	125	235	134				134	68	202
Total.....	U.S.....	24,380	1,167	25,547	13,957	39,504	29,763	30	841	21,634	8,337	29,971	
	G.B.....	48,642	1,620	50,262	14,987	65,249	63,173	30	2,291	65,464	11,715	77,179	
Grand total.....		73,022	2,787	75,809	28,944	104,753	83,936	30	3,132	87,998	20,052	107,150	

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

Table 70.—Summary Statistics for New Brunswick in 1940—Output, Exports, Inter-provincial Shipments and Imports, by Months and by Kinds
(Short tons)

Month	Canadian Coal				Imported from U.S.A.	Imported from Great Britain
	Output	Received from other provinces	Shipped to other provinces	Exported		
January—						
Anthracite.....					3,707	13,371
Bituminous.....	47,234	86,463	3,858	9,680		3,964
Total.....	47,234	86,463	3,858	9,680	3,707	17,335
February—						
Anthracite.....					518	7,455
Bituminous.....	45,518	63,989	3,300	11,564	38	900
Total.....	45,518	63,989	3,300	11,564	556	8,355
March—						
Anthracite.....					61	6,427
Bituminous.....	44,762	68,171	3,856	8,260	664	757
Total.....	44,762	68,171	3,856	8,260	725	7,184
April—						
Anthracite.....						718
Bituminous.....	41,968	71,849	3,171	6,651	462	954
Total.....	41,968	71,849	3,171	6,651	462	1,672
May—						
Anthracite.....					2,148	
Bituminous.....	46,586	57,734	4,845	9,975	89	254
Total.....	46,586	57,734	4,845	9,975	2,237	254
June—						
Anthracite.....					3,307	1,683
Bituminous.....	43,511	43,909	4,538	6,667		220
Total.....	43,511	43,909	4,538	6,667	3,307	1,903
July—						
Anthracite.....					3,480	7,847
Bituminous.....	45,311	53,672	6,431	8,501	42	
Total.....	45,311	53,672	6,431	8,501	3,522	7,847
August—						
Anthracite.....					959	4,408
Bituminous.....	48,180	48,148	6,457	6,350		4,213
Total.....	48,180	48,148	6,457	6,350	959	8,621
September—						
Anthracite.....					3,520	3,176
Bituminous.....	40,361	52,061	2,939	8,494	3,664	
Total.....	40,361	52,061	2,939	8,494	7,184	3,176
October—						
Anthracite.....					802	3,920
Bituminous.....	52,017	59,721	6,237	12,851	73	
Total.....	52,017	59,721	6,237	12,851	875	3,920
November—						
Anthracite.....					1,624	8,082
Bituminous.....	49,252	66,352	5,347	11,787	3,264	
Total.....	49,252	66,352	5,347	11,787	4,888	8,082
December—						
Anthracite.....					1,508	8,377
Bituminous.....	42,364	77,221	5,283	9,017	41	453
Total.....	42,364	77,221	5,283	9,017	1,549	8,830
Total—						
Anthracite.....					21,634	65,164
Bituminous.....	547,064	749,290	56,262	109,797	8,337	11,715
Total.....	547,064	749,290	56,262	109,797	29,971	77,179

Table 71.—Employees, Salaries and Wages in the Coal Mines of New Brunswick, 1939 and 1940

	1939	1940
Number of salaried employees—		
Male.....	35	43
Female.....	7	9
Number of wage-earners—		
Surface.....	284	360
Underground.....	1,000	1,046
Total.....	1,326	1,458
Salaries and wages—		
Salaries.....	\$ 78,875	90,130
Wages.....	\$ 1,005,509	1,223,177
Total.....	\$ 1,084,384	1,313,307

Table 72.—Employment and Earnings in the Coal Mines of New Brunswick, 1936-1940

	1936	1937	1938	1939	1940
Average number of employees—					
Surface.....	258	273	253	284	360
Underground.....	900	777	867	1,000	1,046
Total.....	1,158	1,050	1,120	1,284	1,406
Days' work done—					
Surface.....	60,723	66,677	50,433	75,828	94,363
Underground.....	208,134	190,000	184,959	254,650	291,284
Total.....	268,857	256,677	235,392	330,478	385,677
Average number of days worked per man per year—					
Surface.....	235	244	199	267	262
Underground.....	231	245	213	255	278
By all wage-earners.....	232	244	210	257	274
Total wages paid.....	\$ 768,025	\$ 756,883	\$ 742,884	1,005,509	\$ 1,223,177

Table 73.—Wage-Earners and Work Done, by Months, in the Coal Mines of New Brunswick, 1940

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	303	1,115	1,418	7,437	26,948	34,385
February.....	296	1,115	1,411	6,840	26,387	33,227
March.....	300	1,147	1,447	6,730	25,719	32,449
April.....	301	1,128	1,429	5,646	24,412	30,058
May.....	405	1,131	1,536	9,356	26,929	36,285
June.....	397	1,108	1,505	8,362	22,798	31,160
July.....	389	986	1,375	8,632	23,758	32,390
August.....	377	1,002	1,379	8,359	24,099	32,458
September.....	388	977	1,365	7,465	21,551	29,016
October.....	395	958	1,353	0,252	24,127	33,379
November.....	399	961	1,360	8,592	23,606	32,198
December.....	368	931	1,299	7,722	20,950	28,672
Total.....				94,393	291,284	385,677

Table 74.—Wage-Earners Employed in the Coal Mines of New Brunswick, by Classes, 1939 and 1940

Classification	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	20		20	19		19
Foremen and officials.....	17	17	34	17	21	38
Clerks.....	15		15	20		20
Screenmen and loaders.....	82		82	99		99
Hand cutters and helpers.....		602	602		635	635
Stripping shovel operators.....	3		3	1		1
Machine cutters and helpers.....		89	89		103	103
Machine loaders and helpers.....		151	151		118	118
Chute loaders.....		2	2			
Horse haulage employees.....	4		4	6		6
Mechanical haulage employees.....	2	17	19	7	16	23
Ventilation employees.....		2	2		2	2
Roadmakers.....	1	9	10		9	9
Timbermen.....		24	24		24	24
Pumpmen.....	1	7	8	5	11	16
Enginemen.....	20		20	23		23
Firemen.....	5		5	7		7
Machinists.....	4		4	8		8
Carpenters and masons.....	14		14	19		19
Other mechanics.....	9		9	7		7
All other employees.....	87	80	167	122	107	229
Total.....	284	1,000	1,284	340	1,046	1,406

Table 75.—Capital Employed in the Coal Mines of New Brunswick, 1939 and 1940

	1939	1940
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	776,612	932,347
Cost of supplies and stock on hand.....	37,874	36,360
Cash, trading and operating accounts and bills receivable.....	392,420	494,612
Total.....	1,206,906	1,463,319

CHAPTER FIVE

QUEBEC

Quebec depends upon outside sources for its supply of coal. In 1940 the demand for this fuel was satisfied principally by the province of Nova Scotia, the United States and Great Britain; in addition, smaller tonnages were obtained from the neighbouring province of New Brunswick. Nova Scotia supplied 54 per cent of the bituminous coal demand in 1940. The quantity of this coal retained in Quebec was 2,361,950 tons; in addition, 900,075 tons of Nova Scotia coal were consigned to Montreal and then trans-shipped to Ontario points. Shipments received from the United States consisted of 690,651 tons of anthracite coal and 1,792,434 tons of bituminous coal (this latter amount includes some coal imported into Ontario and then shipped to Quebec). Great Britain supplied Quebec consumers with 814,555 tons of anthracite coal and 165,868 tons of bituminous coal in 1940. The anthracite tonnage represents only the quantity remaining within the province, as an additional 242,880 tons of this coal were imported through Quebec ports and were trans-shipped to various points in Ontario.

Table 76.—Tonnage of Coal Retained in Quebec for Consumption 1936—1940

(Short tons)

	1936	1937	1938	1939	1940
ANTHRACITE—					
From—Great Britain.....	702,104	607,593	650,468	505,186	814,555
Germany.....	311,511	238,739	344,557	236,108	.....
Belgium.....	44,543	8,131	8,873	.....	.....
United States.....	261,645	355,734	370,735	596,623	690,651
French Indo-China.....	58,051	.....	13,373	30,034	.....
Russia.....	.....	142,605	9,340	.....	.....
Netherlands.....	8,951	.....	3,629	.....	.....
Morocco.....	.....	78	19,645	.....	.....
Total.....	1,386,865	1,352,880	1,420,620	1,367,951	1,565,206
BITUMINOUS—					
From—Great Britain.....	74,328	3,731	14,811	18,302	165,868
United States.....	873,225	1,359,694	831,781	1,297,488	1,792,434
Germany.....	7,100	38,382	34,258	.....	.....
Norway, Esthonia, Denmark, Sweden and Newfoundland.....	985	319	.....	20	.....
Total Imported.....	955,638	1,402,120	880,850	1,315,810	1,958,302
Nova Scotia (including coal for railroads).....	2,207,954	2,231,543	2,320,965	2,256,276	2,361,950
New Brunswick.....	20,827	38,557	29,796	48,580	53,745
Total Canadian.....	2,228,781	2,270,100	2,350,761	2,304,856	2,415,695

Table 77.—Exports of Canadian Coal through Quebec Ports, 1936-1940

(Short tons)

Port	1936	1937	1938	1939	1940
Athelstan.....					
Coaticook.....			509	252	
Huntingdon.....			101	211	103
*Lacolle.....			53	312	481
Lake Megantic.....	4	18	1		
Montreal.....	6	1		5	2
Quebec.....		38	2		
Rock Island.....		8			
St. Armand.....				9,624	
St. Johns.....		10	90		
Sutton.....	8		14		
Total.....	18	75	770	10,404	584

* Prior to April 1938 Lacolle was included with St. John's.

Table 78.—Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939					1940						
		Anthracite			Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total		
		Grate, egg, stove, nut, doubles, cobbles, and trebles	Peas, beans, and smaller sizes n.o.p. and screenings or dust	Total			Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans, and smaller sizes n.o.p.			Total	
Amos.....	U.S.....												
Athelstan.....	U.S.....												
Chicoutimi.....	U.S.....				60,575	60,575			1,022	1,022	271,156	272,178	
	G.B.....	7,405	1,821	9,226		9,226	1,377		4,612	5,989	12,383	18,372	
	U.S.....		43	43		43							
Coaticook.....	U.S.....												
Drummondville.....	U.S.....	78	275	353	411	764				227	411	638	
Farnham.....	U.S.....	228	1,147	1,373	110,431	111,804	172	1,657	70	1,899	72,012	73,911	
Granby.....	U.S.....	143	29	172	750	922	156		68	224	773	997	
Hull.....	U.S.....	4,812	1,111	5,923	319	6,242	3,971		1,061	5,032	345	5,377	
Huntingdon.....	U.S.....	94,044	47,673	141,717	8,454	150,171	198,320		52,385	250,705	9,775	260,480	
Lacolle.....	U.S.....	246,019	44,919	290,938	22,756	313,694	162,757	10,139	56,712	229,608	38,973	268,581	
Lake Megantic.....	U.S.....				25	25							
Montreal.....	U.S.....	37,617	18,577	56,194	696,434	752,628	10,559	47	96,738	113,344	698,646	811,990	
	G.B.....	472,681	285,408	758,089	17,178	775,267	646,268	24,860	259,286	930,414	112,715	1,043,129	
	Germany.....	136,679	99,429	236,108		236,108							
	French.....												
	India.....												
	China.....	14,896	28,641	43,537		43,537							
	Norway.....				20	20							
Paspebiac.....	U.S.....				51,413	51,413					41,594	41,594	
Quebec.....	U.S.....	31,249	4,920	36,169	86,516	122,685	10,164		31,778	41,942	157,736	199,678	
	G.B.....	20,038	44,709	64,747	1,124	65,871	32,235	4,471	63,605	100,311	33,290	133,601	
	Germany.....												
	many.....	17,837	17,274	35,111		35,111							
Rimouski.....	U.S.....										6,537	6,537	
	G.B.....	783	1,216	1,999		1,999	5,384		2,397	7,781		7,781	
Rock Isl.....	U.S.....	1,251	250	1,511	30	1,541	1,386		138	1,524	40	1,564	
St. Armand.....	U.S.....	172	312	484		484	153		22	175	154	329	
St. Hyacinthe.....	U.S.....	1,627	901	2,528	66	2,594	26		535	561	64	625	

Table 78.—*Imports into Quebec of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940—Concluded

(Short tons)

Port	Source	1939					1940					
		Anthracite			Bituminous, all grades	Total	Anthracite			Bituminous, all grades	Total	
		Grate, egg, stove, nut, doubles, cobbles, and trebles	Peas, beans, and smaller sizes n.o.p. and screenings or dust	Total			Grate, egg, stove, nut, doubles, cobbles, and trebles	Screenings or dust	Peas, beans, and smaller sizes n.o.p.			Total
St. Johns	U.S.	4,787	9,219	14,006	6,226	20,232	2,746		240	2,986	932	3,918
Sbawingan Falls	U.S.				703	703					209	209
	G.B.										6	6
Sherbrooke	U.S.	2,600	27,728	30,328	1,071	31,399	2,234		23,495	25,729	2,829	28,558
Sorel	U.S.	219	148	367	31,742	32,109	25			25	26,386	26,411
	G.B.										851	851
	Germany ..	3,035		3,035		3,035						
Sutton	U.S.	2		2	6	8					4	4
Three Rivers	U.S.	6,025	2,220	8,245	21,701	29,946	6,203		5,270	11,473	137,385	148,858
	G.B.	1,567	7,952	9,519		9,519	3,416		9,524	12,940	6,623	19,563
Valleyfield	U.S.	5,083	1,107	6,190	5,704	11,894	3,394		546	3,940	5,543	9,483
Victoria-ville	U.S.	32	48	80	257	337	51		184	235	464	699
Total	U.S.	435,996	169,627	596,623	1,165,590	1,762,213	408,317	11,843	270,491	690,651	1,471,968	2,162,619
	G.B.	502,474	341,106	843,580	18,302	861,882	688,680	29,331	333,424	1,057,435	165,868	1,223,303
	Germany ..	157,551	116,703	274,254		274,254						
	French ..											
	Indo-China	14,896	28,641	43,537		43,537						
	Norway ..				20	20						
Grand Total		1,110,917	647,077	1,757,994	1,223,912	2,881,906	1,096,997	41,174	609,915	1,748,686	1,637,836	3,385,922

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

Table 79.—Summary Statistics for Quebec in 1940—Exports, Interprovincial Shipments and Imports*, by Months and by Kinds

(Short tons)

Month	Canadian coal		Imported from U.S.A.	Imported from Great Britain
	†Received from other provinces	Exported		
January—				
Anthracite			33,929	
Bituminous	83,689		18,873	
Total	83,689		52,802	
February—				
Anthracite			28,584	
Bituminous	76,295		17,371	
Total	76,295		45,955	
March—				
Anthracite			23,007	
Bituminous	76,275		21,351	
Total	76,275		44,358	
April—				
Anthracite			24,449	
Bituminous	131,644	216	24,051	
Total	131,644	216	48,500	
May—				
Anthracite			63,137	125,604
Bituminous	432,943		200,747	
Total	432,943		263,884	125,604
June—				
Anthracite			87,789	120,688
Bituminous	470,090	150	225,158	6
Total	470,090	150	312,947	120,694
July—				
Anthracite			125,228	161,607
Bituminous	521,542	112	249,923	143,331
Total	521,542	112	375,151	304,938
August—				
Anthracite			64,946	155,708
Bituminous	515,710		164,833	6,048
Total	515,710		229,779	161,756
September—				
Anthracite			75,312	152,388
Bituminous	395,789		173,604	15,057
Total	395,789		248,916	167,445
October—				
Anthracite			72,817	131,652
Bituminous	375,050	2	174,712	
Total	375,050	2	247,529	131,652
November—				
Anthracite			53,912	172,984
Bituminous	240,842		140,201	290
Total	240,842		194,113	173,274
December—				
Anthracite			37,541	36,804
Bituminous	56,411	97	61,144	1,136
Total	56,411	97	98,685	37,940
Total—				
Anthracite			690,651	1,057,435
Bituminous	3,376,270	596	1,471,968	165,868
Total	3,376,270	596	2,162,619	1,223,303

* Direct imports into Quebec. †These are direct shipments from Nova Scotia and New Brunswick mines.

CHAPTER SIX

ONTARIO

Ontario's dependence on outside sources for its coal closely parallels that of Quebec. The United States is the principal source of supply and in 1940 provided Central Ontario with 10,991,754 tons of bituminous coal and 1,907,991 tons of anthracite coal. In addition, 321,052 tons were consigned to this area for re-shipment to Quebec. Great Britain supplied Central Ontario with 125,594 tons of anthracite by direct shipment; this quantity was augmented by 242,880 tons trans-shipped from Quebec ports. Direct shipments of bituminous coal from Nova Scotia mines to Ontario totalled 53,155 tons; shipments from stock at Montreal added 900,075 tons to this supply. Alberta mines supplied Ontario with 35,561 tons of bituminous coal, 21,428 tons of sub-bituminous coal and 76,597 tons of lignite coal. The Crow's Nest Pass district in British Columbia shipped 27,844 tons to Ontario in 1940 compared with 16,361 tons a year ago. Saskatchewan producers shipped 17,817 tons of lignite coal to Ontario as against 16,416 tons in 1939.

Table 80.—Tonnage of Coal Retained in Ontario for Consumption, 1936-1940
(Short tons)

	1936	1937	1938	1939	1940
ANTHRACITE—					
From—Great Britain, imported direct.....	51,503	26,607	80,632	95,213	126,538
Great Britain, received ex-Montreal*.....	480,746	399,010	365,296	338,394	242,880
Belgium, imported direct.....			25,164		
Belgium, received ex-Montreal.....			145		
Germany, received ex-Montreal.....	44,441	12,761	24,388		
Germany, imported direct.....		73	22,682	13,671	
French Indo-China, received ex-Montreal.....	30,651		14,483	13,503	
Russia, received ex-Montreal.....		18,284	5,612		
Netherlands, imported direct.....	7,280		15,064		
Netherlands, ex-Montreal.....			17,556		
United States, imported direct.....	1,388,829	1,603,033	1,570,178	1,953,014	1,917,618
Total.....	2,003,456	2,059,768	2,141,200	2,413,795	2,287,636
BITUMINOUS—					
From—Great Britain, imported direct.....		52			
Great Britain, received ex-Montreal.....	3,342				
United States.....	9,044,108	10,788,716	8,517,268	8,350,176	11,498,954
Germany, imported direct.....		8,724			
Nova Scotia, received ex-mines.....	33,705	106,809	33,934	12,801	53,155
Nova Scotia, received ex-Montreal.....	1,011,511	1,104,383	737,030	1,280,444	900,075
New Brunswick, received ex-mines.....	1,181	3,898	284	793	1,531
Alberta (including sub-bituminous).....	26,440	27,445	35,038	43,754	83,060
British Columbia.....	19,742	20,741	372	16,361	27,846
Total.....	10,140,029	12,066,768	9,323,926	9,704,329	12,564,621
LIGNITE—					
From—Saskatchewan.....	10,009	9,224	20,094	16,416	17,817
Alberta.....	39,739	35,871	59,800	46,453	76,597
Total.....	49,748	45,095	59,894	62,869	94,414

*Includes a small quantity received ex-Saint John, New Brunswick.

Table 81.—Exports of Canadian Coal through Ontario Ports, 1936-1940

(Short tons)

Port	1936	1937	1938	1939	1940
Bridgeburg.....					
Fort Frances.....	111			29	185
Niagara Falls.....		1			
Sarnia.....					
Sault Ste. Marie.....			2	142	
Toronto.....					
Total.....	111	1	11	171	185

Table 82.—Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939			1940				Total	
		Anthra- cite	Bitu- minous, all grades	Total	Anthracite			Bitu- minous, all grades		
					Grate, egg, nut, doubles, cobbls and trebles	Screen- ings or dust	Peas, beans and smaller sizes n.o.p.			Total
CENTRAL ONTARIO—										
Amherstburg.....	U.S.	11,025	70,889	81,914	9,708	2	38	9,838	81,863	91,761
Belleville.....	U.S.	17,445	16,644	34,089	14,628	47	1,338	16,013	45,431	61,444
Bowmanville.....	U.S.	6,161	109	6,270	5,068		143	5,211	28	5,239
Brantford.....	U.S.	44,046	18,051	62,097	38,026		5,154	43,180	20,807	63,987
Brockville.....	U.S.	15,663	23,910	39,573	13,047		3,908	16,955	20,973	37,928
Chatham.....	U.S.	4,882	474,851	479,733	4,117	18	149	4,284	434,684	438,968
Cobourg.....	U.S.	10,405	112,995	123,400	8,402		614	9,016	243,246	252,262
Collingwood.....	U.S.	5,878	5,191	11,069	5,193		903	6,096	8,779	14,873
Cornwall.....	U.S.	8,766	24,387	33,153	6,657	21	918	7,596	100,736	108,332
Fort Erie.....	U.S.	141,753	35,620	177,373	104,098	15	7,351	111,514	35,869	147,383
Galt.....	U.S.	27,852	28,477	56,329	25,372		1,897	27,269	33,642	60,911
Gananoque.....	U.S.	4,749	2,441	7,190	4,000		774	4,771	3,074	7,845
	G.B.									
Goderich.....	U.S.	14,988	43,100	58,088	11,503	71	648	12,222	41,433	53,655
Guelph.....	U.S.	32,122	26,861	58,983	27,493		2,744	30,147	29,214	59,361
Hamilton.....	U.S.	140,940	1,364,180	1,505,129	103,732	633	20,960	125,334	1,596,079	1,721,413
	G.B.						1,440	1,440		1,440
Ingersoll.....	U.S.	8,837	8,819	17,656	8,303		525	8,818	7,071	15,989
Kenora.....	U.S.									
Kingston.....	U.S.	33,344	41,045	74,389	25,627		7,169	32,796	60,025	92,821
	G.B.	870		870	1,244			1,244		1,244
Kitchener.....	U.S.	36,610	64,044	101,254	32,304	172	2,393	34,869	83,955	118,824
Lansdowne.....	U.S.	11	11	11	7			7		7
Lindsay.....	U.S.	8,045	3,370	11,415	5,520		613	6,133	3,615	9,748
London.....	U.S.	52,116	24,062	76,178	38,748		4,430	43,178	18,241	61,419
	G.B.									
Midland.....	U.S.	2,727	198,533	201,260	4,932		567	2,499	274,651	277,150
Morrisburg.....	U.S.	3,012	9,232	12,244	2,938		95	3,033	1,777	4,810
Napanee.....	U.S.	4,189	17,400	21,589	3,672		516	4,188	21,151	25,339
Niagara Falls.....	U.S.	86,001	138,460	224,461	101,983	202	12,360	114,545	175,160	289,765
North Bay.....	U.S.	5,818	15,394	21,212	4,637		223	4,860	14,985	19,845
Ohillia.....	U.S.	6,668	3,264	9,932	3,524		801	4,325	3,116	7,441
Oshawa.....	U.S.	28,267	44,845	73,112	23,558		1,924	25,482	81,021	106,503
Ottawa.....	U.S.	68,428	21,011	89,439	41,724	95	19,797	61,616	20,357	81,973
	G.B.									
Owen Sound.....	U.S.	4,899	20,248	25,147	3,297		275	3,572	29,714	33,286
Paris.....	U.S.	11,531	6,928	18,459	10,194		455	10,649	6,305	16,954
Parry Sound.....	U.S.	1,219	318,621	319,840	1,567		93	1,660	360,246	361,906
Peterborough.....	U.S.	21,515	6,691	27,206	14,783		1,261	16,044	5,006	21,050
Pictou.....	U.S.	5,605	6,142	11,807	4,548		220	4,768	9,448	14,216

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

Table 82.—*Imports into Ontario of Anthracite and Bituminous Coal, by Ports of Entry, 1939 and 1940—Concluded

(Short tons)

Port	Source	1939			1940				Total	
		Anthracite	Bituminous, all grades	Total	Anthracite			Bituminous, all grades		
					Grate, egg, stove, nut, doubles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes n.o.p.			Total
CENTRAL ONTARIO—										
Port Hope.....	U.S.	8,346	21,270	29,616	6,014		356	6,370	25,840	32,219
Prescott.....	U.S.	11,294	517,084	528,378	9,605		1,844	11,449	932,427	943,876
St. Catharines.....	U.S.	50,623	115,907	166,530	38,576	43	3,700	42,319	54,439	96,758
St. Thomas.....	U.S.	18,380	152,355	170,735	15,377		436	15,813	203,552	219,365
Sarnia.....	U.S.	8,397	633,362	641,759	2,424		27	2,451	1,194,828	1,197,279
Sault Ste. Marie.....	U.S.	3,558	910,309	913,867	3,686		177	3,863	1,703,307	1,707,230
	G.B.									
Simcoe.....	U.S.	6,605	16,627	23,232	6,184		78	6,262	14,755	21,017
Stratford.....	U.S.	01,721	31,814	93,335	49,864		7,209	57,073	37,523	94,596
	G.B.									
Sudbury.....	U.S.	7,388	7,985	15,373	7,280		753	8,033	9,006	17,039
Thorold†.....	U.S.				6,676	43	463	7,182	220,417	227,599
Tillsonburg.....	U.S.	4,140	273,167	277,307	3,778			3,778	233,775	237,553
Toronto.....	U.S.	742,640	1,205,107	1,947,747	676,836	511	143,074	820,421	1,650,101	2,470,522
	G.B.	04,343		94,343	50,353		72,557	122,910		122,910
	Germany	13,671		13,671						
Toronto West.....	U.S.		5,376	37,836	16,986		3,710	20,696	7,281	27,977
Trenton.....	U.S.	5,951	21,704	27,655	4,455		102	4,557	38,298	42,855
Walkerville.....	U.S.	16,571	84,376	100,947	5,006	433	186	5,625	122,656	128,281
Wallaceburg.....	U.S.	639	19,109	19,748	664			664	21,508	22,172
Welland.....	U.S.	43,008	249,230	292,238	39,026	1,809	6,418	47,253	306,330	353,589
Whitby.....	U.S.									
Windsor.....	U.S.	17,970	562,348	580,318	13,253		101	13,354	649,994	663,328
Woodstock.....	U.S.	19,010	12,629	31,639	16,588		1,652	18,240	15,002	33,242
TOTAL FOR CENTRAL ONTARIO.....	U.S.	1,934,258	8,035,174	9,969,432	1,632,278	4,165	271,548	1,907,991	11,312,806	13,220,797
	G.B.	95,213		95,213	51,597		73,997	125,594		125,594
	Germany	13,671		13,671						
TOTAL HEAD OF LAKES										
Fort Frances.....	U.S.	297	53,772	54,069					30,138	30,138
Fort William.....	U.S.	18,459	528,887	547,346	5,655	30	3,942	9,627	503,782	513,409
	G.B.						944	944		944
Port Arthur.....	U.S.		77,532	77,532					28,363	28,363
TOTAL HEAD OF LAKES	U.S.	18,750	660,191	678,947	5,655	30	3,942	9,627	562,283	571,910
	G.B.						944	944		944
Total for Ontario.....	U.S.	1,953,014	8,695,365	10,648,379	1,637,933	4,195	275,490	1,917,618	11,875,089	13,792,707
	G.B.	95,213		95,213	51,597		74,941	126,538		126,538
	Germany	13,671		13,671						
Grand total.....		2,061,898	8,695,365	10,757,263	1,689,530	4,195	350,431	2,044,156	11,875,089	13,919,245

†Prior to April 1940 Thorold was included with St. Catharines.

Table 83.—Summary Statistics for Ontario in 1940—Interprovincial Shipments, Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds

(Short tons)

Month	Central Ontario					Head of Lakes				Total Ontario
	Canadian coal		Im-ported from U.S.A.	Im-ported from Great Britain	Coal available for consumption	Canadian coal		Im-ported from United States	Im-ported from Great Britain	Coal available for consumption
	†Received from other provinces	Ex-ported				†Received from other provinces	Exported			
January—										
Anthracite			112,605		112,605					112,605
Bituminous	2,410		263,604		266,014	1,951	17	4,045		271,993
Sub-bituminous						3,660				3,660
Lignite						12,222				12,222
Total	2,410		376,209		378,619	17,833	17	4,045		400,480
February—										
Anthracite			104,180		104,180					104,180
Bituminous	2,231		279,258		281,489	6,513		3,064		291,066
Sub-bituminous						1,878				1,878
Lignite						5,052				5,052
Total	2,231		383,438		385,669	13,443		3,064		402,176
March—										
Anthracite			104,721		104,721					104,721
Bituminous	2,885		262,596		265,481	5,892		3,204		274,577
Sub-bituminous						874				874
Lignite						6,592				6,592
Total	2,885		367,317		370,202	13,358		3,204		386,764
April—										
Anthracite			98,875		98,875					98,875
Bituminous	2,350		416,287		418,637	5,833	90	22,069		446,449
Sub-bituminous						103				103
Lignite						2,331				2,331
Total	2,350		515,162		517,512	8,267	90	22,069		547,758
May—										
Anthracite			219,400	2,722	222,122					222,122
Bituminous	9,281		1,698,313		1,707,594	3,908	78	49,246		1,760,670
Sub-bituminous						93				93
Lignite						653				653
Total	9,281		1,917,713	2,722	1,929,716	4,654	78	49,246		1,983,538
June—										
Anthracite			282,014	23,082	305,096			3,942		309,038
Bituminous	137		1,632,725		1,532,862	2,599		132,459		1,667,920
Sub-bituminous						471				471
Lignite						699				699
Total	137		1,814,739	23,082	1,837,958	3,769		136,401		1,978,129
July—										
Anthracite			266,683	15,173	281,856					281,856
Bituminous	484		1,476,535		1,477,019	2,977		73,715		1,553,711
Sub-bituminous						658				658
Lignite						1,561				1,561
Total	484		1,743,218	15,173	1,758,875	5,196		73,715		1,837,786
August—										
Anthracite			188,416	11,920	200,336			30		200,366
Bituminous	15,973		1,595,206		1,611,179	3,378		84,741		1,699,298
Sub-bituminous						1,502				1,502
Lignite						3,597				3,597
Total	15,973		1,783,622	11,920	1,811,515	8,477		84,771		1,901,763

Table 83.—Summary Statistics for Ontario in 1940—Interprovincial Shipments* Exports, Imports* and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Central Ontario					Head of Lakes			Total Ontario	
	Canadian coal		Im-ported from U.S.A.	Im-ported from Great Britain	Coal available for consumption	Canadian coal		Im-ported from United States	Im-ported from Great Britain	Coal available for consumption
	†Received from other provinces	Ex-ported				†Received from other provinces	Exported			
September—										
Anthracite			158,721	10,913	169,634				169,634	
Bituminous	1,786		1,344,188		1,345,974	3,975	112,664		1,462,613	
Sub-bituminous						2,539			2,539	
Lignite						11,847			11,847	
Total	1,786		1,502,909	10,913	1,515,608	18,361	112,664		1,646,632	
October—										
Anthracite			120,926	16,009	136,935		5,655		142,590	
Bituminous	13,998		990,763		1,004,761	6,813	67,540		1,079,114	
Sub-bituminous						2,306			2,306	
Lignite						15,578			15,578	
Total	13,998		1,111,689	16,009	1,141,698	24,697	73,195		1,339,588	
November—										
Anthracite			124,052	44,250	168,302			944	169,246	
Bituminous	2,829		900,050		902,879	9,429	5,553		917,861	
Sub-bituminous						3,366			3,366	
Lignite						15,424			15,424	
Total	2,829		1,024,102	44,250	1,071,181	28,219	5,553	944	1,105,897	
December—										
Anthracite			127,398	1,525	128,923				128,923	
Bituminous	322		553,281		553,603	10,137	3,983		567,723	
Sub-bituminous						3,978			3,978	
Lignite						18,858			18,858	
Total	322		680,679	1,525	682,526	32,973	3,983		719,483	
Total—										
Anthracite			1,907,991	125,594	2,033,585		9,627	944	2,044,156	
Bituminous	54,686		11,312,806		11,367,492	63,405	185	562,283	11,992,986	
Sub-bituminous						21,428			21,428	
Lignite						94,414			94,414	
Total	54,686		13,220,797	125,594	13,401,077	179,247	185	571,910	14,152,993	

* Direct imports into Ontario. See text for transshipments from Quebec.

† Direct shipments from mines.

CHAPTER SEVEN

MANITOBA

Manitoba mines near Deloraine produced 1,697 tons of lignite coal in 1940; during the preceding year, 1,138 tons were mined.

Alberta, Saskatchewan, British Columbia and the United States are the principal sources of Manitoba's coal supply. In 1940, Alberta supplied the Manitoba market with 121,151 tons of bituminous coal, 66,460 tons of sub-bituminous coal and 167,478 tons of lignite coal. Saskatchewan shipped 509,289 tons of lignite coal to Manitoba consumers. Shipments received from the Crow's Nest Pass district, British Columbia, amounted to 123,729 tons; a year ago, 64,483 tons were received from this source.

Imports of coal into Manitoba are cleared in the main part, through the Head of Lakes ports. During 1940 receipts at these ports totalled 572,854 tons, consisting of 562,283 tons of bituminous and 9,627 tons of anthracite from the United States, and 944 tons of Anthracite from Great Britain, while importations into Manitoba direct amounted to 11,536 tons.

Table 84.—Disposition of Coal from Manitoba Mines, by Grades, 1939 and 1940
(Short tons)

Disposition	1939		1940	
	Quantity	Value	Quantity	Value
Supplied to employees for domestic consumption.....	18	49	43	106
Shipped.....	954	2,721	1,499	3,629
Used under colliery boilers.....	146	340	140	302
Put on waste heap.....	20		15	
Total disposition.....	1,138	3,110	1,697	4,037

Table 85.—Exports of Canadian Coal through Manitoba Ports, 1936-1940
(Short tons)

Port	1936	1937	1938	1939	1940
Brandon.....	192	37	24	74	3
Emerson.....	108	43	90	14	15
Gretna.....			2	12	23
Winnipeg.....	820	814	611	558	752
Total.....	1,120	894	727	658	793

Table 86.—*Imports into Manitoba and the Head of Lakes, of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939				1940						
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite			Total	Bituminous, all grades	Lignite	Total
						Grate, egg, stove, nut, doubles, cobbles, and trebles	Screens or dust	Peas, beans and smaller sizes n.o.p.				
MANITOBA—												
Brandon.....	U.S.....		164	14	178					126	4	130
Winnipeg.....	U.S.....	4,696	14,423		19,119	27		4,439	4,466	6,940		11,406
	G.B.....		448		448							
Total for Manitoba.....	U.S.....	4,696	14,587	14	19,297	27		4,439	4,466	7,066	4	11,536
	G.B.....		448		448							
Total.....		4,696	15,035	14	19,745	27		4,439	4,466	7,066	4	11,536
HEAD OF LAKES—												
Fort Frances.....	U.S.....	297	53,772		54,069					30,138		30,138
Fort William.....	U.S.....	18,459	528,887		547,346	5,655	30	3,942	9,627	503,782		513,409
	G.B.....							944	944			944
Port Arthur.....	U.S.....		77,532		77,532					28,363		28,363
Total Head of Lakes.....	U.S.....	18,756	660,191		678,947	5,655	30	3,942	9,627	562,283		571,910
	G.B.....							944	944			944
Total.....		18,756	660,191		678,947	5,655	30	4,886	10,571	562,283		572,854
Total for Manitoba and Head of Lakes.....	U.S.....	23,452	674,778	14	698,244	5,682	30	8,381	14,093	569,349	4	583,446
	G.B.....		448		448			944	944			944
Grand Total.....		23,452	675,226	14	698,692	5,682	30	9,325	15,037	569,349	4	584,390

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

Table 87.—Summary Statistics for Manitoba in 1940.—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (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.....				524		524
Bituminous.....		28,797	114	957		29,640
Sub-bituminous.....		13,400				13,400
Lignite.....	295	107,190				107,485
Total.....	295	149,387	114	1,481		151,049
February—						
Anthracite.....				426		426
Bituminous.....		20,458	6	837		21,299
Sub-bituminous.....		4,300				4,300
Lignite.....	225	62,932				63,157
Total.....	225	87,690	6	1,263		89,172
March—						
Anthracite.....				445		445
Bituminous.....		15,224		789		16,013
Sub-bituminous.....		2,372				2,372
Lignite.....	125	51,510				51,635
Total.....	125	69,106		1,234		70,465

Table 87.—Summary Statistics for Manitoba in 1940—Interprovincial Shipments, Exports, Imports and Coal Made Available for Consumption (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			
April—						
Anthracite.....				382		382
Bituminous.....		12,848		379		13,227
Sub-bituminous.....		2,495				2,495
Lignite.....	45	35,601				35,646
Total.....	45	50,944		761		51,750
May—						
Anthracite.....				318		318
Bituminous.....		15,604		510		16,114
Sub-bituminous.....		600				600
Lignite.....		15,745				15,745
Total.....		31,949		828		32,777
June—						
Anthracite.....				352		352
Bituminous.....		14,020		279		14,369
Sub-bituminous.....		637				637
Lignite.....		15,476				15,476
Total.....		30,203		631		30,834
July—						
Anthracite.....				285		285
Bituminous.....		16,821		656		17,477
Sub-bituminous.....		1,990				1,990
Lignite.....		16,904				16,904
Total.....		35,715		941		36,656
August—						
Anthracite.....				211		211
Bituminous.....		16,167		484		16,651
Sub-bituminous.....		5,206				5,206
Lignite.....		26,974				26,974
Total.....		48,347		695		49,042
September—						
Anthracite.....				403		403
Bituminous.....		18,673		554		19,227
Sub-bituminous.....		4,992				4,992
Lignite.....		37,296				37,296
Total.....		60,961		957		61,918
October—						
Anthracite.....				315		315
Bituminous.....		22,378	16	344		22,706
Sub-bituminous.....		8,083				8,083
Lignite.....	365	78,166				78,531
Total.....	365	108,627	16	659		109,635
November—						
Anthracite.....				269		269
Bituminous.....		28,212	242	699		28,669
Sub-bituminous.....		10,985				10,985
Lignite.....	368	120,714				121,082
Total.....	368	159,911	242	968		161,005
December—						
Anthracite.....				536		536
Bituminous.....		35,608	377	578		35,809
Sub-bituminous.....		11,400				11,400
Lignite.....	274	108,259	38	4		108,499
Total.....	274	155,267	415	1,118		156,244
Total—						
Anthracite.....				4,466		4,466
Bituminous.....		244,880	755	7,066		251,191
Sub-bituminous.....		66,460				66,460
Lignite.....	1,697	676,767	38	4		678,439
Total.....	1,697	988,107	793	11,536		1,000,547

Table 88.—Employment and Earnings in the Coal Mines of Manitoba, 1939 and 1940

	1939	1940
Average number of wage-earners—		
Surface.....	1	1
Underground.....	3	3
Total.....	4	4
Days' work done—		
Surface.....	275	255
Underground.....	655	527
Total.....	930	782
Average number of days worked per man per year—		
Surface.....	275	255
Underground.....	218	176
By all wage-earners.....	233	196
Total wages paid.....	\$ 2,232	\$ 1,876

Table 89.—Wage-Earners Employed and Work Done, by Months, in the Coal Mines of Manitoba, in 1939 and 1940

Month	Number of employees			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
1939						
January.....	3	8	11	70	140	210
February.....	3	6	9	55	90	145
March.....						
April.....						
September.....						
October.....						
November.....	3	9	12	75	225	300
December.....	3	8	11	75	200	275
Total.....				275	655	930
1940						
January.....	2	6	8	42	126	168
February.....	2	8	10	32	96	128
March.....	2	6	8	11	60	71
April.....	2	2	4	20	20	40
October.....	2	3	5	52	78	130
November.....	2	3	5	50	75	125
December.....	2	3	5	48	72	120
Total.....				255	527	782

CHAPTER EIGHT

SASKATCHEWAN

Saskatchewan produced 1,097,517 tons of lignite coal during 1940 compared with 960,000 tons in the preceding year. Eighty-one per cent of the possible output of the active mines in this province was produced during the year; lack of orders accounted for 19 per cent of the output loss.

Saskatchewan mines shipped 505,761 tons of coal in 1940 for use within the province; this represented 48.9 per cent of the total tonnage shipped. Shipments to the Manitoba market amounted to 509,289 tons compared with 452,051 tons in 1939. Other shipments from the mines consisted of 17,817 tons to Ontario and 783 tons to the United States.

Sales of coal to retail coal dealers in 1940 totalled 565,000 tons; approximately 29.9 per cent of this coal was classed as cobbles, 19.3 per cent as nut 21.1 per cent as slack, 7.3 per cent as lump, and the remainder as pea, run-of-mine and egg. Industrial consumers purchased 347,000 tons direct from the mines and domestic users, including employees, 94,000 tons.

Table 90.—Output of Coal from Saskatchewan Mines, 1887-1940

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
1887.....	(a) 400	\$ 800	1906.....	108,398	\$ 164,146	*1924.....	479,118	\$ 888,668
1888.....			1907.....	151,232	252,437	*1925.....	471,965	870,875
1889.....			1908.....	150,556	253,790	*1926.....	439,803	819,805
1890.....	200	200	1909.....	192,125	206,333	*1927.....	470,216	868,867
1891.....			1910.....	181,156	293,029	*1928.....	471,713	831,491
1892.....	5,400	9,325	1911.....	206,779	347,248	*1929.....	580,189	993,226
1893.....	8,325	12,485	1912.....	225,342	368,135	*1930.....	579,424	968,863
1894.....	(b) 15,051	15,153	1913.....	212,897	358,192	*1931.....	662,836	945,259
1895.....	15,769	31,538	1914.....	232,299	374,245	*1932.....	887,139	1,229,449
1896.....	16,706	25,059	1915.....	240,107	365,246	*1933.....	927,640	1,285,996
1897.....	25,000	37,500	1916.....	281,300	441,836	*1934.....	909,288	1,241,130
1898.....	25,000	37,500	1917.....	355,445	662,451	*1935.....	921,785	1,293,668
1899.....	25,000	37,500	1918.....	346,847	722,148	*1936.....	1,020,792	1,463,680
1900.....	40,500	60,750	*1919.....	379,347	819,390	*1937.....	1,049,348	1,494,337
1901.....	45,000	72,000	*1920.....	335,222	797,828	*1938.....	1,022,166	1,380,416
1902.....	70,400	112,640	*1921.....	335,632	823,180	*1939.....	960,000	1,255,862
1903.....	116,703	169,618	*1922.....	382,437	802,053	*1940.....	1,097,517	1,408,590
1904.....	124,885	187,021	*1923.....	438,100	858,448	Total...	18,348,164	29,200,590
1905.....	107,596	152,334						

(a) From Turtle Mountain district, Manitoba.

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

*For the years 1919-1940 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 91.—Output of Coal from Saskatchewan Mines, by Months, 1936-1940

(Short tons)

Month	1936	1937	1938	1939	1940
January.....	147,055	150,436	135,401	138,084	153,052
February.....	149,828	115,006	123,097	151,399	106,685
March.....	69,906	79,100	63,731	89,470	91,877
April.....	46,173	45,661	41,161	29,114	65,946
May.....	27,765	23,538	29,962	19,067	28,398
June.....	26,453	22,906	23,984	31,658	26,093
July.....	26,415	21,948	24,907	25,815	30,244
August.....	30,526	30,139	44,688	38,029	35,185
September.....	80,956	87,457	67,439	74,621	67,989
October.....	161,727	160,351	134,576	110,343	137,648
November.....	119,862	150,158	180,589	139,270	190,586
December.....	134,126	162,668	152,643	113,230	163,904
Total.....	1,020,792	1,049,348	1,022,166	960,000	1,097,517

Table 92.—Output of Coal by Principal Collieries in Saskatchewan for 1938-1940
(Average of 500 tons or more per month)

(Short tons)

Name	Address	1938	1939	1940
Banks, H.	Pinto	9,566	14,755	17,027
Baniulis Bros.	Bienfait	13,361	12,955	25,416
Bienfait Mines, Ltd.	Bienfait	123,605	56,608	
Eastern Collieries of Bienfait	Estevan	63,456	30,013	50,350
High Test Lignite Coal Co. Ltd.	Bienfait	9,425	21,356	20,266
Jenish Bros.	Estevan	7,634	9,156	9,099
Lignite Coal Mines, Ltd.	Pinto	41,381	25,326	29,226
Manitoba and Saskatchewan Coal Co., Ltd.	503 Avenue Block, Winnipeg, Man.	220,895	199,394	298,814
Matheson & Ulrich	Pinto	9,140	10,806	6,088
North West Coal Co. (D. Bozak)	Bienfait	10,162	12,717	12,164
Roche Percee Coal Mining Co. Ltd.	Roche Percee	10,350	14,048	39,090
Rock Springs Coal Co. (c/o M. Rohatyn)	Taylorton	12,072	14,339	14,359
Siddall & Mitchell	Roche Percee	2,744		
Truax Traer Coal Co., Ltd.	Estevan	206,927	68,537	
Western Dominion Coal Mines Ltd.	Bienfait	168,487	362,291	481,617
Zieglsberger, F.	Roche Percee	5,496	6,533	3,829
All other operators		107,455	101,169	90,140
Total		1,022,166	960,000	1,097,517

Table 93.—Tonnage Lost in Saskatchewan Coal Mines, Showing the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1939 and 1940

Year	Per cent produced	Per cent lost	Percentage lost through:				
			Absenteeism	Lack of orders	Car shortage	Mine disability	Other causes
1939	85	15					
1940	81	19	0.2	14.3		0.2	0.3

Table 94.—Disposition of Coal from Saskatchewan Mines, by Grades, 1939 and 1940

(Short tons)

Disposition	1939		1940				Total	
	Quantity	Value	Run-of-mine	Cobble and lump	Nut and other grades	Slack	Quantity	Value
		\$					\$	
Supplied to employees for domestic consumption	2,082	3,036	954	840	10	6	1,810	2,966
Shipped as per Table 95	904,160	1,235,530	101,829	243,911	400,627	287,183	1,033,650	1,382,036
Used under colliery boilers, etc.	14,561	10,906	52	22	2,072	10,458	12,604	10,378
Used in making briquettes								
Used by companies' railroads	8,643	11,109		6,557	2,947	17	9,521	12,709
Put on bank	23,611	23,637	113	12,045	6,814	17,809	36,781	36,894
Put on waste heap	25,969						39,080	
Total disposition	978,326	1,274,268	103,048	263,375	412,479	315,473	1,133,446	1,445,073
Lifted from bank	17,470	18,406	43	13,567	7,308	15,011	35,929	36,533
Lifted from waste heap	456							
Total output	960,900	1,255,862	103,005	249,908	405,162	300,462	1,097,517	1,408,540

Table 95.—Shipments of Coal from Saskatchewan Mines, by Grades and Destination, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Run-of-mine	Cobble and lump	Nut and other grades	Slack	Total	Run-of-mine	Cobble and lump	Nut and other grades	Slack	Total
Saskatchewan.....	105,588	112,323	144,793	72,187	434,891	88,701	130,484	182,202	104,374	505,761
Alberta.....										
British Columbia.....										
Manitoba.....	19,073	124,821	182,977	125,180	452,051	12,944	112,813	202,196	181,336	509,289
Ontario.....	170	74	14,223	1,949	16,416		115	16,229	1,473	17,817
United States.....	411	312	79		802	284	499			783
Railroads—										
In Canada.....										
In United States.....										
Total.....	125,242	237,530	342,072	199,316	904,160	101,929	243,911	400,627	287,183	1,033,650

Table 96.—Exports of Canadian Coal through Saskatchewan Ports, 1936-1940

(Short tons)

Port	1936	1937	1938	1939	1940
Moose Jaw.....	678	491	700	1,077	886
North Portal.....	2,194	1,334	2,859	1,994	1,089
Regina.....	886	378	144	96	18
Total.....	3,758	2,203	3,703	3,167	1,993

Table 97.—*Imports into Saskatchewan of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1939 and 1940

(Short tons)

Port	Source	1939				1940						
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite			Bituminous, all grades	Lignite	Total	
						Grate, egg, stove, nut, d'bles cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.				
Moose Jaw.....	U.S.....		77	453	530	3			3	114	811	928
North Portal.....	U.S.....		43	388	431					48	235	283
Prince Albert.....	U.S.....		67		67					31		31
Regina.....	U.S.....		208	22	230					145	20	165
Saskatoon.....	U.S.....		467		467		31		31	354		385
Total.....	U.S.....		862	863	1,725	3	31		34	692	1,066	1,792
Grand Total.....			862	863	1,725	3	31		34	692	1,066	1,792

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

Table 98. — Summary Statistics for Saskatchewan in 1940—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, 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—						
Anthracite.....						
Bituminous.....		8,416		12	41	8,445
Sub-bituminous.....		3,754				3,754
Lignite.....	153,052	135,607	81,277	187	54	207,249
Total.....	153,052	147,777	81,277	199	95	219,448
February—						
Anthracite.....						
Bituminous.....		4,677		10	32	4,699
Sub-bituminous.....		2,065				2,065
Lignite.....	106,685	79,148	51,236	34		134,563
Total.....	106,685	85,890	51,236	44	32	141,327
March—						
Anthracite.....						
Bituminous.....		4,546			34	4,580
Sub-bituminous.....		933				933
Lignite.....	91,877	53,536	47,253	83		98,077
Total.....	91,877	59,015	47,253	83	34	103,590
April—						
Anthracite.....						
Bituminous.....		3,399			40	3,439
Sub-bituminous.....		963				963
Lignite.....	65,940	41,168	34,023	99		72,992
Total.....	65,940	45,530	34,023	99	40	77,394
May—						
Anthracite.....						
Bituminous.....		3,142			3	3,142
Sub-bituminous.....		833			72	833
Lignite.....	28,398	15,568	13,752	32		30,182
Total.....	28,398	19,543	13,752	32	75	34,232
June—						
Anthracite.....						
Bituminous.....		674			135	674
Sub-bituminous.....		657				657
Lignite.....	26,003	9,753	13,615	11		22,130
Total.....	26,003	11,084	13,615	11	135	23,596
July—						
Anthracite.....						
Bituminous.....		1,144		4	124	1,264
Sub-bituminous.....		859				859
Lignite.....	30,244	19,282	14,396	13		35,117
Total.....	30,244	21,285	14,396	17	124	37,240
August—						
Anthracite.....						
Bituminous.....		1,749		6	31	1,805
Sub-bituminous.....		1,529			62	1,529
Lignite.....	35,185	63,290	18,422	22		80,031
Total.....	35,185	66,568	18,422	28	93	83,396
September—						
Anthracite.....						
Bituminous.....		3,347			32	3,379
Sub-bituminous.....		2,562				2,562
Lignite.....	67,989	83,522	26,420			125,091
Total.....	67,989	89,431	26,420		32	131,032
October—						
Anthracite.....						
Bituminous.....		4,071		36	72	4,107
Sub-bituminous.....		2,911				2,911
Lignite.....	137,648	181,684	53,916	174	60	265,302
Total.....	137,648	188,666	53,916	210	132	272,320

Table 98.—Summary Statistics for Saskatchewan in 1940—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
November—						
Anthracite.....						
Bituminous.....		4,356		203	48	4,201
Sub-bituminous.....		3,164				3,164
Lignite.....	190,586	158,277	87,565	473	915	261,740
Total.....	190,586	165,797	87,565	676	963	269,105
December—						
Anthracite.....						
Bituminous.....		4,679		87		4,592
Sub-bituminous.....		3,881				3,881
Lignite.....	163,904	120,070	85,231	507	37	198,273
Total.....	163,904	128,630	85,231	594	37	206,746
Total—						
Anthracite.....					34	34
Bituminous.....		44,290		358	692	44,334
Sub-bituminous.....		24,111				24,111
Lignite.....	1,097,517	960,905	527,106	1,635	1,066	1,530,747
Total.....	1,097,517	1,029,216	527,106	1,993	1,792	1,599,426

Table 99.—Employees, Salaries and Wages in the Coal Mines of Saskatchewan, 1939 and 1940

	1939	1940
Number of salaried employees—		
Male.....	54	41
Female.....	5	4
Number of wage-earners—		
Surface.....	211	247
Underground.....	456	402
Total.....	726	694
Salaries and wages—		
Salaries.....	\$ 83,153	\$ 95,018
Wages.....	\$ 533,625	\$ 542,338
Total.....	\$ 616,778	\$ 637,356

Table 100.—Employment and Earnings in the Coal Mines of Saskatchewan, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface.....	254	255	256	211	247
Underground.....	593	619	583	456	402
Total.....	847	874	841	667	649
Days' work done—					
Surface.....	61,190	59,312	60,695	57,291	66,303
Underground.....	133,946	141,445	134,298	100,722	86,096
Total.....	195,136	200,757	194,993	161,013	152,399
Average number of days worked per man per year—					
Surface.....	241	233	337	272	268
Underground.....	226	229	230	234	214
By all wage-earners.....	230	229	232	246	235
Total wages paid.....	\$ 600,197	\$ 602,865	\$ 610,475	\$ 533,625	\$ 542,338

Table 101.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Saskatchewan in 1940

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	321	617	938	7,887	11,097	18,984
February.....	293	556	849	5,978	8,587	14,565
March.....	250	403	653	5,540	6,349	11,889
April.....	218	241	459	4,485	3,356	8,311
May.....	169	151	320	3,433	1,698	5,131
June.....	169	134	303	3,333	1,527	4,862
July.....	185	144	329	3,378	1,706	5,084
August.....	192	179	371	3,205	2,694	5,899
September.....	221	355	576	4,515	5,450	9,971
October.....	310	684	994	7,880	13,955	21,835
November.....	326	718	1,044	8,909	16,898	25,807
December.....	307	644	951	7,662	12,273	19,935
Total.....				66,303	86,096	152,399

Table 102.—Wage-Earners in the Coal Mines of Saskatchewan, by Classes, 1939 and 1940

Classification	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	5		5	7		7
Foreman and officials.....	9	16	25	7	15	22
Clerks.....	15		15	15		15
Screenmen and loaders.....	49		49	67		67
Stripping shovel operators.....	8		8	21		21
Hand cutters and helpers.....		230	230		176	176
Machine cutters and helpers.....		29	29		33	33
Machine loaders and helpers.....		60	60		81	81
Horse haulage employees.....	1	34	35	3	31	34
Mechanical haulage employees.....	16	8	24	16	8	24
Ventilation employees.....		1	1			
Roadmakers.....	1	19	20	5	15	20
Timbermen.....		12	12		13	13
Pumpmen.....		3	3	1	3	4
Loading shovel.....	11		11	14		14
Cleaning shovel.....	1		1	2		2
Engineers.....	7		7	8		8
Firemen.....	7		7	9		9
Machinists.....	4	1	5	4	1	5
Carpenters and masons.....	5		5	5		5
Other mechanics.....	5		5	6		6
All other employees.....	67	43	110	57	26	83
Total.....	211	456	667	247	402	649

Table 103.—Capital Employed in the Coal Mines of Saskatchewan, 1939 and 1940

	1939	1940
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	3,748,459	2,982,291
Cost of supplies and stock on hand.....	130,660	84,716
Cash, trading and operating accounts and bills receivable.....	381,928	331,592
Total.....	4,261,047	3,398,599

CHAPTER NINE

ALBERTA

Alberta operators reported an output of 6,203,839 tons in 1940 or 12.4 per cent above the tonnage mined in the preceding year. The production of bituminous coal during the year advanced 20 per cent to 3,069,206 tons; sub-bituminous coal production was 16.9 per cent higher at 598,686 tons, and lignite coal output increased to 2,535,947 tons.

The active mines in this province produced 76 per cent of their possible output; causes other than strikes were responsible for an estimated output loss of 1,959,729 tons.

The principal market for Alberta coal continued to be the railroads; in 1940, shipments direct from the mines for locomotive use totalled 2,718,142 tons or 47.1 per cent of the total tonnage shipped. Other consumers in the province purchased 1,269,450 tons during the year, while Saskatchewan consumers received 1,020,234 tons of Alberta coal. The Manitoba market absorbed 355,089 tons compared with 408,824 tons in the preceding year. British Columbia received 237,410 tons during the year as against 239,813 tons in 1939. Other direct shipments from the mines included 133,586 tons to Ontario, 35,348 tons to the United States and 14 tons to Yukon.

Retail coal dealers purchased 1,968,000 tons of Alberta coal direct from the mines; this total was made up of 1,024,000 tons of lump, 304,000 tons of slack, 279,000 tons of nut, 230,000 tons of egg, 70,000 tons of run-of-mine and 61,000 tons of pea. Domestic users, including employees, purchased 547,000 tons; 30.2 per cent of this coal was lump and 37.3 per cent run-of-mine. Sales to industrial consumers totalled 475,000 tons, of which 59.6 per cent was slack, 20.8 per cent run-of-mine and 8 per cent nut.

Six coal producing districts in Alberta accounted for 83.4 per cent of Alberta's output in 1940; these districts were: Crowsnest, Drumheller, Mountain Park, Edmonton, Coalspur and Lethbridge. The Crowsnest and Mountain Park coals are classed as bituminous; the Coalspur coal as sub-bituminous and the Drumheller, Edmonton and Lethbridge coals are classed as lignite.

Alberta's coal mines furnished employment for 8,900 wage-earners in January; 5,199 men were employed in June, which was the low mark for the year, while 9,156 men were working in November, the peak employment month. The average number of wage-earners in 1940 was 7,337; these men worked 1,669,746 man-days or an average of 228 days per man. Production per man-day during the year was 3,715 tons compared with 3,589 tons in 1939.

Table 104.—Output of Coal from Alberta Mines, 1886-1940

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
		\$			\$			\$
1886.....	43,220	81,112	1905.....	931,917	1,993,915	*1924.....	5,199,729	18,884,318
1887.....	74,152	167,577	1906.....	1,246,360	2,614,762	*1925.....	5,869,031	20,021,484
1888.....	115,124	183,354	1907.....	1,591,579	3,836,286	*1926.....	6,503,705	20,886,103
1889.....	97,364	179,640	1908.....	1,685,661	4,127,311	*1927.....	6,934,162	21,982,058
1890.....	128,753	198,298	1909.....	1,994,741	4,838,109	*1928.....	7,336,330	23,532,414
1891.....	174,131	437,243	1910.....	2,894,469	7,065,736	*1929.....	7,150,693	22,928,182
1892.....	178,970	460,605	1911.....	1,511,036	3,979,264	*1930.....	5,755,528	18,063,225
1893.....	230,070	586,260	1912.....	3,240,577	8,113,525	*1931.....	4,564,015	13,342,675
1894.....	184,940	473,827	1913.....	4,014,755	10,418,941	*1932.....	4,870,648	13,526,309
1895.....	169,885	382,526	1914.....	3,683,015	9,350,392	*1933.....	4,718,788	12,307,258
1896.....	209,162	581,832	1915.....	3,360,818	8,283,079	*1934.....	4,763,810	12,556,099
1897.....	242,163	630,408	1916.....	4,559,054	11,386,577	*1935.....	5,462,894	14,094,795
1898.....	315,088	787,720	1917.....	4,736,368	14,163,685	*1936.....	5,696,960	14,659,705
1899.....	309,600	774,000	1918.....	5,972,816	20,537,287	*1937.....	5,562,839	14,563,911
1900.....	311,450	778,625	*1919.....	4,933,660	18,205,205	*1938.....	5,251,233	13,698,470
1901.....	340,275	850,687	*1920.....	6,907,765	30,186,933	*1939.....	5,519,208	14,415,281
1902.....	402,819	960,601	*1921.....	5,909,217	27,246,514	*1940.....	6,203,839	16,377,959
1903.....	495,893	1,117,541	*1922.....	5,990,911	24,351,913			
1904.....	661,732	1,404,524	*1923.....	6,854,397	28,018,303	Total...	174,047,319	535,574,363

*For the years 1919-1940 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 105.—Output of Coal from Alberta Mines, by Months, 1936-1940

(Short tons)

Month	1936	1937	1938	1939	1940
January	643,466	671,646	563,363	516,616	682,975
February	741,680	542,751	586,958	566,324	559,719
March	381,879	383,632	463,290	435,638	457,587
April	310,344	305,397	287,954	276,772	370,722
May	253,324	273,638	247,572	275,246	342,029
June	237,852	261,274	210,744	249,334	318,714
July	247,074	269,981	214,818	260,594	375,968
August	319,338	351,523	351,476	409,842	457,055
September	569,157	463,217	365,011	518,014	469,163
October	792,927	694,674	647,058	775,341	683,474
November	567,597	682,634	715,272	696,469	789,126
December	632,322	662,472	597,717	539,018	697,307
Total	5,696,960	5,562,839	5,251,233	5,519,208	6,203,839

Table 106.—Output of Coal by Districts, in Alberta, 1938-1940

(Short tons)

District	1938	1939	1940
BITUMINOUS—			
Cascade	170,034	194,441	206,732
Crownest	1,297,640	1,400,802	1,616,466
Highwood		10	305
Mountain Park	688,449	810,584	1,011,262
Nordlegg	154,356	151,107	234,441
Total bituminous	2,310,479	2,556,944	3,069,206
SUB-BITUMINOUS—			
Coalspur	351,429	360,438	448,619
Morley	61	107	73
Pekisko	5,080	5,385	5,673
Pincher	1,413	1,374	606
Prairie Creek	91,189	104,663	100,753
Saunders	39,743	40,736	42,962
Total sub-bituminous	488,915	512,101	598,686
LIGNITE—			
Ardley	21,462	15,694	17,761
Big Valley	2,069	2,447	2,652
Brooks	9,669	10,980	11,326
Camrose	52,670	54,693	59,955
Carbon	92,844	80,632	70,851
Castor	39,757	38,110	42,417
Champion	16,184	15,273	14,821
Drumheller	1,167,993	1,223,337	1,288,165
Edmonton	515,077	472,132	482,126
Gleichen	23,046	26,091	23,221
Halcourt	3,368	2,992	3,477
Lethbridge	342,135	329,416	327,817
Magrath	542	431	305
Milk River	3,693	5,961	5,116
Pakan	353	202	118
Pakowki	1,419	1,464	1,358
Pembina	30,270	38,955	50,451
Redcliff	27,382	26,104	30,418
Rochester	729	974	1,965
Saxsmith	80	95	234
Sheerness	35,934	36,784	30,631
Stevenville			
Taber	12,326	12,781	13,344
Tofield	45,094	47,667	51,208
Westlock			2,059
Wetaskiwin	2,342	3,224	3,831
Whitecourt	231	229	380
Area not designated	5,170	4,095	340
Total lignite	2,451,839	2,450,163	2,535,947
Total Alberta	5,251,233	5,519,208	6,203,839

*Includes a small quantity of anthracite coal.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1938-1940
(Average of 500 tons or more per month)

(Short tons)

Name and address	1938	1939	1940
Bituminous			
CASCADE DISTRICT—			
Canmore Mines, Ltd., Canmore.....	168,893	192,957	205,313
All other operators*.....	1,141	1,484	1,419
Total.....	170,034	194,441	206,732
CROWNEST DISTRICT—			
Hillcrest Collieries, Ltd., Hillcrest.....	175,736	155,664	.....
Hillcrest Mohawk Collieries Ltd. (formerly Hillcrest Collieries Ltd. and Mohawk Bituminous Mines Ltd.), Bellevue.....	.....	11,156	190,178
International Coal and Coke Co., Ltd., Coleman.....	344,906	353,552	390,698
McGillivray Creek Coal and Coke Co., Ltd., Coleman.....	281,262	297,624	327,577
Mohawk Bituminous Mines, Ltd., Bellevue.....	70,455	54,715	.....
West Canadian Collieries, Ltd., Blairmore.....	420,198	522,049	717,627
All other operators.....	5,083	6,142	4,386
Total.....	1,297,640	1,400,802	1,616,466
HIGHWOOD DISTRICT—			
.....	.....	10	305
MOUNTAIN PARK DISTRICT—			
Cadomin Coal Co., Ltd., Cadomin (mine office); Edmonton (business office)...	270,932	295,424	328,070
K.D. Collieries Ltd., Luscar.....	14,808	37,274	59,926
Luscar Collieries, Ltd., Edmonton.....	143,431	164,386	276,393
Mountain Park Collieries, Ltd., 410 Tegler Bldg., Edmonton.....	259,278	313,500	346,873
All other operators.....	.....	.....	.....
Total.....	688,449	810,584	1,011,262
NORDEGG DISTRICT—			
Braceau Collieries Ltd., Nordegg.....	154,356	151,107	234,441
Total.....	154,356	151,107	234,441
Total bituminous.....	2,310,479	2,556,944	3,069,206
Sub-Bituminous			
COALSPUR DISTRICT—			
Coal Valley Mining Co., Ltd., Edmonton.....	116,397	128,124	159,191
Foothills Collieries, Ltd., Foothills.....	49,720	45,331	45,768
Lakeside Coal Ltd., Edmonton.....	28,829	30,266	40,054
McLeod River Hard Coal Co., Ltd., Mercoal.....	44,660	37,478	43,643
Sterling Collieries Ltd., Edmonton.....	110,920	118,335	159,234
All other operators.....	903	902	729
Total.....	351,429	360,436	448,619
MORLEY DISTRICT.....			
.....	61	107	73
PERIBO DISTRICT.....			
.....	5,080	5,385	5,673
PINCHER DISTRICT.....			
.....	1,413	1,374	606
PRAIRIE CREEK DISTRICT—			
Hinton Collieries, Ltd., Hinton.....	63,362	78,628	93,992
Jasper Coal Co., Ltd., Edmonton.....	27,827	25,435	6,761
Total.....	91,189	104,063	100,753
SAUNDERS DISTRICT—			
Alexo Coal Co., Ltd., Alexo.....	18,246	18,307	18,746
Bighorn and Saunders Creek Collieries, Ltd., Saunders.....	21,316	22,318	24,197
All other operators.....	191	111	19
Total.....	39,743	40,736	42,962
Total sub-bituminous.....	488,915	512,101	598,686
Lignite			
ARDLEY DISTRICT—			
Super Heat Coal Co. (Alberta) Ltd., Ardley.....	14,629	9,510	11,818
All other operators.....	6,833	6,184	5,943
Total.....	21,462	15,694	17,761
BIG VALLEY DISTRICT.....			
.....	2,069	2,447	2,652
BROOKS DISTRICT—			
Kleenbirn Collieries Ltd., Eyremore.....	9,459	10,980	11,326
All other operators.....	210	.....	.....
Total.....	9,669	10,980	11,326

*Anthracite coal produced by Frank Wheatley and Sons.

Table 107.—Output of Coal by Principal Collieries in Alberta, 1938-1940
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1938	1939	1940
Lignite—Continued			
CAMROSE DISTRICT—			
Canadian Dinant Coal Co., Ltd., Dinant.....	25,454	24,658	25,668
Gotheridge, W. T. & Sons, Round Hill.....	6,644	7,688	6,266
Real Flame Coal Co., Ltd., Round Hill.....	7,874	10,570	14,622
Stoney Creek Collieries, Ltd., Camrose.....	10,003	10,110	11,624
All other operators.....	2,696	1,667	1,775
Total.....	52,670	54,693	59,955
CARBON DISTRICT—			
Artic Coal Co., Carbon.....	5,630	3,371	5,438
Canadian Dinant Coal Co., Three Hills.....	22,517	22,041	20,034
Fox, A. (formerly Balogh Coal Co. Ltd.), Carbon.....	19,776	13,984	4,764
Oliphant, J. H., Carbon.....	15,342	12,331	10,876
Peerless Carbon Collieries Ltd. (formerly Carbon Coal Co.), Carbon.....	20,132	18,684	20,151
All other operators.....	9,447	9,321	9,588
Total.....	92,844	80,032	70,851
CASTOR DISTRICT—			
Muney, H. C., Foreman.....	2,725	3,673	4,301
All other operators.....	37,032	34,437	38,116
Total.....	39,757	38,110	42,417
CHAMPION DISTRICT.....			
	16,184	15,273	14,821
DRUMBELLER DISTRICT—			
Aetna Coal Co., Ltd., East Coulee.....	23,035	20,406	17,446
Brilliant Coal Co., Drumbeller.....	65,742	68,020	59,237
Comet Coal Co., Ltd., East Coulee.....	17,751	20,454	19,795
Commander Coal Co., Drumbeller.....	19,634	18,067	20,399
Elgin Coal Co., Ltd., Drumbeller.....	32,206	28,767	27,869
Empire Collieries, Ltd., East Coulee.....	70,907	74,204	63,603
Hy-Grade Coal Mining Co., Ltd., Drumbeller.....	94,513	90,085	84,056
Ideal Coal Co., Ltd., Wayne.....			
Maple Leaf Minerals Ltd., Drumbeller.....	59,288	59,930	48,337
Midland Coal Mining Co., Ltd., Drumbeller.....	106,757	107,191	131,740
Minute Coal Co., Drumbeller.....		3,275	8,519
Monarch Coal Mining Co., Ltd., Calgary.....	66,719	89,970	90,125
Murray Collieries Ltd., East Coulee.....	82,187	76,696	111,138
Newcastle Coal Co., Ltd., Drumbeller.....	13,977		
Newcastle Collieries Ltd. (formerly Alta Block Coal Co., Ltd.), Drumbeller.....	58,539	65,930	55,365
Red Deer Valley Coal Co., Ltd., Drumbeller.....	64,615	70,903	102,742
Regal Coal Co. Ltd., East Coulee.....	111,209	140,843	145,750
Rosedale Collieries, Ltd. (Rosedale Mine), Rosedale.....	70,046	77,698	94,028
Rosedale Collieries, Ltd. (Star Mine), Aerial.....	76,683	82,756	64,932
Rosedale Collieries, Ltd. (Paragon Mine), Aerial.....	7,384		
Superior Grade Coal Co., Ltd., Wayne.....	9,111	11,801	13,245
Wayne Coal Producers Assn. Ltd., Wayne.....	16,801	13,141	20,002
Western Gem & Jewel Collieries Ltd. (Cambrian Coal Co., Ltd.) Rosedale Station.....	22,208		
Western Gem & Jewel Collieries Ltd. (Jewel Collieries Ltd.), Rosedale Station.....	71,616	96,910	102,625
All other operators.....	7,065	6,290	7,242
Total.....	1,167,993	1,223,337	1,288,165
EDMONTON DISTRICT—			
Banner Coals Ltd., Edmonton.....	30,765	35,182	38,297
Beverly Coal Co. Ltd., Edmonton.....	57,762	53,710	66,862
Bush Mines, Ltd., Edmonton.....	46,139	47,684	54,791
Dawson Coal Co., Ltd., Edmonton.....	24,805	25,645	27,901
Edmonton Collieries Ltd. (formerly McDonnell Coal Co.), Edmonton.....	6,697	6,012	11,210
Fraser-Mackay Collieries, Ltd., 10055-101st St., Edmonton.....	26,005	16,019	7,512
Gwilliam, D. J., Nainao.....	8,140	7,151	8,826
Kent Coal Co., Ltd., Edmonton.....	48,479	47,487	51,056
Klapstein and Opalinski, South Edmonton.....	9,027	9,419	9,804
Klapstein and Opalinski, South Edmonton.....	7,649	5,336	6,983
Long Coal Co., Ltd., Nainao.....	48,502	39,721	8,827
Marcus Coal Mines, Ltd., Edmonton.....	56,454	32,285	34,243
Ottewell Coal Co., Clover Bar.....	6,785	4,733	4,486
Poholka, M. (formerly Abet, Lauchlin & Lauchlin), South Edmonton.....	17,625	10,035	10,223
Rabbit Hill Collieries (Gibb and Ball), Edmonton.....	10,800	11,516	15,730
Red Hot Coal Co. Ltd., Edmonton.....	7,665	7,660	8,864
Riverdale Coal Co. Ltd., Edmonton.....	2,108	4,258	6,941
Samis Collieries, Nainao.....	5,289	5,094	7,028
Sinoski, M., South Edmonton.....	64,555	69,780	78,466
The Great West Coal Co., Ltd. (Black Diamond Mine), Edmonton.....	29,926	27,425	24,070
All other operators.....			
Total.....	515,077	472,132	482,126

Table 107.—Output of Coal by Principal Collieries in Alberta, 1938-1940
(Average of 500 tons or more per month)—Continued

(Short tons)

Name and address	1938	1939	1940
Lignite—Continued			
GLEICHEN DISTRICT—			
Blackfoot Indian Agency, Gleichen.....	9,206	11,211	9,139
All other operators.....	13,840	14,880	14,082
Total.....	23,046	26,091	23,221
HALCOURT DISTRICT.....	3,368	2,992	3,077
LETHBRIDGE DISTRICT—			
Chester Mine, Lethbridge.....	19,542	16,263	16,315
City of Lethbridge Coal Mines, Lethbridge.....	13,492	13,775	13,776
Hamilton, J. J. Coal Co., Lethbridge.....	22,037	20,208	21,895
Lethbridge Collieries, Ltd. (Mine 1263).....	83,352	83,745	68,043
Lethbridge Collieries Ltd. (Mine 1464), Lethbridge.....	160,758	151,023	162,737
Lethbridge Co-operative Mines Association, Ltd., Lethbridge.....	3,039	14,264	15,381
Rollingson, J., Lethbridge.....	7,967	6,958	5,600
Royal View Mine (formerly Lund, Nelson & Hagblad), Lethbridge.....	16,513	14,876	17,179
All other operators.....	9,435	8,304	6,891
Total.....	342,135	329,416	327,817
MAGRATH DISTRICT.....	542	431	305
MILK RIVER DISTRICT.....	3,693	5,961	5,116
PAKAN DISTRICT.....	353	202	118
PAKOWKI DISTRICT.....	1,419	1,464	1,358
PEMBINA DISTRICT—			
Lakeside Coals Ltd., Edmonton.....	27,097	36,605	48,396
All other operators.....	3,173	2,350	2,055
Total.....	30,270	38,955	50,451
REDCLIFF DISTRICT—			
Gunderson Brick & Coal Co., Ltd., Redcliff.....	11,951	11,393	12,664
Oliphant, John, Medicine Hat.....	15,431	14,701	17,754
All other operators.....		10	
Total.....	27,382	26,104	30,418
ROCHESTER DISTRICT.....	729	974	1,965
SEXSMITH DISTRICT.....	80	95	234
SHEERNESS DISTRICT—			
Chinook Coal Co. Ltd., Sheerness.....	17,222	14,381	15,761
Sheerness Coal Co., Ltd., Sheerness.....	10,777	14,590	9,184
All other operators.....	7,935	7,813	5,686
Total.....	35,934	36,784	30,631
SLAVE LAKE DISTRICT.....			
STEVEVILLE DISTRICT.....			
TABER DISTRICT.....	12,326	12,781	13,344
TOFIELD DISTRICT—			
Tofield Coal Co., Ltd., Tofield.....	38,438	43,056	46,564
Tredway Bros., Dodds.....	3,125	1,256	610
All other operators.....	3,531	3,355	4,034
Total.....	45,094	47,667	51,208

Table 107.—Output of Coal by Principal Collieries in Alberta, 1938-1940
(Average of 500 tons or more per month)—Concluded
(Short tons)

Name and address	1938	1939	1940
Lignite—Continued			
WESTLOCK.....			2,059
WETASKIWIN DISTRICT.....	2,342	3,224	3,831
WHITECOURT DISTRICT.....	231	229	360
Area not designated.....	5,170	4,095	340
Total lignite.....	2,451,839	2,450,163	2,535,947
Total Alberta.....	5,251,233	5,519,209	6,203,839

Table 108.—Tonnage Lost in Alberta Coal Mines, Showing by Districts the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1939 and 1940

District	Per cent produced		Per cent lost		Percentage lost through:									
					Absenteeism		Lack of orders		Car shortage		Mine disability		Other causes	
	1939	1940	1939	1940	1939	1940	1939	1940	1939	1940	1939	1940	1939	1940
BITUMINOUS—														
Cascade.....	78	77	22	23	3.0	3.0	19.0	20.0						
Crownest.....	69	78	31	22		0.4	31.0	20.7			0.7			0.2
Highwood.....	48	72	52	28	4.6	4.0					47.4			12.9
Mountain Park.....	89	94	11	6	3.2	3.7		7.3	1.8		0.5	0.4		0.1
Nordegge.....	65	77	35	23			35.0	23.0						
Total bituminous.....	74	83	26	17	1.3	1.3	24.3	15.2			0.2	0.4	0.2	0.1
SUB-BITUMINOUS—														
Coalspur.....	78	87	22	13	0.5	0.3	21.1	12.4		0.1	0.2		0.2	0.2
Morley.....	33	18	67	82			2.8	82.0					64.2	
Pekisko.....	61	76	39	24			39.0	24.0						
Pineher.....	50	34	50	66			50.0	66.0						
Prairie Creek.....	87	92	13	8	0.1	0.5		7.3	2.5		0.8	3.5	3.9	2.1
Saunders.....	63	58	37	42			37.0	42.0						
Total sub-bituminous..	78	85	22	15	0.3	0.2	20.5	14.1		0.1	0.7	0.6	0.5	
LIGNITE—														
Ardley.....	51	60	49	40			45.0	39.1			2.3		1.7	0.9
Big Valley.....	56	52	44	48			44.0	34.8						13.2
Brooks.....	86	86	14	14			14.0	14.0						
Camrose.....	79	78	21	22	0.1		20.5	21.5			0.4	0.5		
Carbon.....	62	63	38	37	0.2		37.5	36.6			0.3			0.4
Castor.....	53	62	47	38	0.5	0.2	44.2	37.2			0.2		2.1	0.6
Champion.....	58	59	42	41			41.3	41.0			0.7			
Drumheller.....	64	65	36	35			35.4	34.8			0.5	0.1	0.1	0.1
Edmonton.....	69	72	31	28	1.4	1.6	29.2	25.9				0.2	0.4	0.4
Gleichen.....	65	69	35	31			35.0	30.0						1.0
Hudcourt.....	66	70	34	30			32.7	30.0					1.3	
Lethbridge.....	71	71	29	29			28.8	28.7			0.1		0.1	0.3
Magrath.....	67	44	33	56			33.0	56.0						
Milk River.....	72	66	28	34			28.0	34.0						
Pakun.....	79	60	21	40			3.9	40.0					17.1	
Pakowki.....	49	43	51	57			51.0	57.0						
Pembina.....	59	80	41	20	0.5	0.2	40.5	19.8						
Redcliff.....	51	74	49	26			49.0	26.0						
Rochester.....	73	79	27	21			26.4	19.8					0.6	1.2
Saxsmith.....	56	74	44	26			44.0	26.0						
Sheerness.....	59	56	43	44			41.0	43.2			0.8			
Stevetille.....														
Taber.....	52	59	48	41			46.9	39.6					1.1	1.4
Tofield.....	85	85	15	15			15.0	15.0						
Westlock.....		71		29		1.2		27.8						
Wetaskiwin.....	52	59	48	41		2	48.0	40.8						
Whitecourt.....	29	54	71	46			71.0	46.0						
Area not designated.....	56	59	44	41	0.3		42.0	41.0					1.7	
Total lignite.....	66	68	34	32	0.2	0.1	33.5	31.7			0.2	0.1	0.1	0.1
Total Alberta.....	71	76	29	24	0.5	0.8	28.2	23.8			0.2	0.3	0.1	0.1

Table 109.—Total Disposition of Coal from Alberta Mines, by Grades, 1939 and 1940
(Short tons)

	1939		1940					Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total		
	Quantity	Value					Quantity	Value	
		\$						\$	
Supplied to employees for domestic consumption...	37,248	90,078	22,788	12,986	5,532	192	41,498	165,531	
Coal shipped as per Table 113	5,132,810	13,582,783	2,954,210	1,224,138	784,824	806,001	5,769,273	15,519,291	
Used under colliery boilers	115,336	319,748	68,782	2,099	8,696	52,652	132,229	280,326	
Used by companies' railroads	6,282	13,410	7,489				7,489	15,757	
Used in making coke at colliery	103,191	268,295				105,926	105,926	275,404	
Used in making briquettes	43,875	136,593				62,376	62,376	194,665	
Put on bank	51,453	118,297	20,634	4,858	2,351	23,277	51,120	108,515	
Put on waste heap	50,523						90,118		
Total disposition	5,570,718	14,530,054	3,073,963	1,244,091	801,563	1,050,424	6,260,029	16,499,489	
Lifted from bank	47,767	114,773	24,143	5,767	2,344	20,765	53,319	121,530	
Lifted from waste heap	3,743						2,871		
Total output	5,519,208	14,415,281	3,049,460	1,238,314	799,159	1,029,659	6,203,839	16,377,959	

Table 110.—Disposition of Bituminous Coal from Alberta Mines, 1939 and 1940
(Short tons)

	1939		1940					Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total		
	Quantity	Value					Quantity	Value	
		\$						\$	
Supplied to employees for domestic consumption...	17,954	43,632	19,455	1,506	317		21,278	54,350	
Coal shipped as per Table 114	2,282,793	6,424,795	2,258,041	28,801	78,985	388,220	2,751,137	7,743,820	
Used under colliery boilers	90,582	242,965	57,556			22,389	79,945	207,025	
Used by companies' railroads	1,270	3,425	525				525	1,918	
Used in making coke at colliery	103,191	268,295				105,926	105,926	275,404	
Used in making briquettes	43,875	136,593				62,376	62,376	194,665	
Put on bank	28,682	84,074	19,585	46	323	3,448	23,412	70,396	
Put on waste heap	18,490						49,116		
Total disposition	2,586,852	7,203,779	2,355,162	30,443	79,635	582,359	3,096,715	8,547,568	
Lifted from bank	29,909	86,611	23,955	52	247	3,255	27,509	81,926	
Lifted from waste heap									
Total output	2,556,944	7,117,168	2,331,207	30,391	79,388	579,104	3,069,206	8,465,642	

Table 111.—Disposition of Sub-Bituminous Coal from Alberta Mines, by Grades, 1939 and 1940
(Short tons)

	1939		1940					Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total		
	Quantity	Value					Quantity	Value	
		\$						\$	
Supplied to employees for domestic consumption...	2,152	6,044	1,427	125	457	97	2,106	5,806	
Coal shipped as per Table 115	460,398	1,251,659	347,692	85,116	92,714	20,583	516,105	1,503,434	
Used under colliery boilers	29,106	52,481	10,875	78	2,003	16,096	29,652	49,887	
Used by companies' railroads	4,386	8,722	6,030				6,030	12,060	
Put on bank	3,899	6,723	740	127	488	700	2,115	5,133	
Put on waste heap	15,246						16,031		
Total disposition	515,097	1,328,679	366,764	85,446	95,662	38,136	602,039	1,576,625	
Lifted from bank	2,614	5,278	484	385	702	1,782	3,353	6,854	
Lifted from waste heap	382								
Total output	512,101	1,323,401	366,280	85,061	94,960	36,354	598,686	1,569,771	

Table 112.—Disposition of Lignite Coal from Alberta Mines, 1939 and 1940

(Short tons)

	1939		1939-1940				Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Quantity	Value
	Quantity	Value						
		\$						\$
Supplied to employees for domestic consumption.....	17,142	41,382	1,906	11,355	4,758	95	18,114	45,375
Coal shipped as per Table 116.....	2,389,619	5,963,249	348,477	1,110,131	613,225	397,198	2,468,031	6,272,037
Used under colliery boilers.....	25,648	24,302	351	2,021	6,693	13,567	22,632	23,114
Used by companies' railroads.....	617	1,243	934				934	1,779
Put on bank.....	18,962	27,500	309	4,085	1,530	19,069	25,593	32,691
Put on waste heap.....	16,781						24,971	
Total disposition.....	2,468,769	5,997,590	351,977	1,128,192	626,206	429,929	2,561,275	6,375,296
Lifted from bank.....	15,245	22,894	4	3,330	1,395	15,728	22,457	32,750
Lifted from waste heap.....	3,361						2,871	
Total output.....	2,450,163	5,974,712	351,973	1,122,862	624,811	414,201	2,535,947	6,342,546

Table 113.—Total Shipments of Coal from Alberta Mines, by Grades and Destination, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	246,653	399,340	300,498	259,066	1,206,157	294,857	419,523	304,616	250,454	1,269,450
Saskatchewan.....	74,218	552,858	259,205	158,710	1,044,991	79,407	512,140	262,159	166,528	1,020,234
British Columbia.....	3,859	60,401	45,112	130,441	239,813	3,522	61,735	45,694	126,459	237,410
Manitoba.....	14,955	144,209	81,240	168,420	408,824	13,290	140,899	86,442	114,458	355,089
Ontario.....	1,182	55,718	14,915	18,392	90,207	3,390	70,383	33,393	26,420	133,586
Yukon.....							14			14
United States.....	396	3,890	7,307	21,745	33,138	869	4,367	5,885	24,227	35,348
Railroads—										
In Canada.....	1,967,256	6,887	60,092	73,210	2,107,445	2,556,630	15,077	46,735	97,383	2,715,825
In United States.....	2,235				2,235	2,245			72	2,317
Total.....	2,310,754	1,223,103	768,369	830,584	5,132,810	2,954,210	1,224,138	784,924	806,001	5,769,273

Table 114.—Shipments of Bituminous Coal from Alberta Mines, by Grades and Destination, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	10,049	2,843	6,142	14,855	33,890	12,501	2,929	5,603	16,809	37,842
Saskatchewan.....	10,142	2,386	8,365	28,686	49,580	9,135	2,902	7,384	15,707	35,218
British Columbia.....	3,139	3,446	7,540	129,768	143,893	2,952	2,733	3,102	126,053	134,840
Manitoba.....	11,960	3,059	11,740	138,615	165,374	12,476	4,905	17,706	86,964	121,151
Ontario.....	923	1,886	2,594	18,264	23,667	1,700	2,033	5,732	26,096	35,561
United States.....	326	991	2,690	21,528	25,535	597	1,236	1,444	24,180	27,457
Railroads—										
In Canada.....	1,713,909	5,254	51,524	67,942	1,838,629	2,216,435	13,053	38,014	92,249	2,359,751
In the United States.....	2,235				2,235	2,245			72	2,317
Total.....	1,752,675	19,865	90,585	419,658	2,292,793	2,258,041	28,891	78,985	388,220	2,754,137

Table 115.—Shipments of Sub-Bituminous Coal from Alberta Mines, by Grades and Destination, 1939 and 1940
(Short tons)

Destination	1939					1940				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	5,578	15,315	9,800	6,336	37,029	5,507	16,954	9,432	5,070	36,963
Saskatchewan.....	1,417	6,135	16,521	3,206	27,279	745	4,907	14,808	3,651	24,111
British Columbia.....	646	15,670	20,076	349	36,741	245	17,806	22,851	153	41,055
Yukon.....							14			14
Manitoba.....	669	28,082	33,058	8,605	70,414	168	26,297	33,599	6,396	66,460
Ontario.....	228	16,075	3,685	99	20,097	832	17,114	3,303	179	21,428
United States.....			32		32					
Railroads—										
In Canada.....	253,347	1,633	8,568	5,268	268,816	340,195	2,024	8,721	5,134	356,074
In United States.....										
Total.....	261,885	82,910	91,740	23,863	460,398	347,692	83,116	92,714	20,583	546,105

Table 116.—Shipments of Lignite Coal from Alberta Mines, by Grades and Destination, 1939 and 1940
(Short tons)

Destination	1939					1940				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
Alberta.....	231,035	381,182	284,556	238,475	1,135,248	276,849	399,640	289,561	228,575	1,194,645
Saskatchewan.....	62,658	544,337	234,319	126,818	968,132	69,527	504,331	239,967	147,080	960,905
British Columbia.....	74	41,285	17,496	324	59,179	325	41,196	19,741	253	61,515
Manitoba.....	2,326	113,068	36,442	21,200	173,036	646	110,597	35,137	21,098	167,478
Ontario.....	31	37,757	8,636	29	46,453	858	51,236	24,358	145	76,597
United States.....	70	2,699	4,585	217	7,571	272	3,131	4,441	47	7,891
Railroads.....										
Total.....	296,194	1,120,328	586,034	387,063	2,389,619	348,477	1,110,131	613,225	397,198	2,469,031

Table 117.—Exports of Canadian Coal through Alberta Ports, 1936-1940
(Short tons)

Port	1936	1937	1938	1939	1940
	Coutts.....	1,163	1,568	2,099	2,158	1,776
Lethbridge.....	856	533	407	1,292	666
Total.....	2,019	2,121	2,506	3,450	2,442

Table 118.—Imports into Alberta of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1939 and 1940
(Short tons)

Port	Source	1939				1940						
		Anthra-cite	Bitum-inous all grades	Lig-nite	Total	Anthracite			Bitum-inous all grades	Lig-nite	Total	
						Grate, egg, stove, nut, d'bles cobbles and trebles	Screen-ings or dust	Peas, beans, and smaller sizes, n.o.p.	Total			
Calgary.....	U.S.....		186		186							61
Edmonton.....	U.S.....		771		771						641	641
Lethbridge.....	U.S.....	33	33	6	72						63	67
Medicine Hat.....	U.S.....										30	30
Total.....	U.S.....	33	990	6	1,029						795	799

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

Table 119.—Summary Statistics for Alberta in 1940—Output, Exports, Interprovincial Shipments, Imports and Coal made Available for Consumption, 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.....	261,703	170	43,344	34		218,495
Sub-bituminous.....	64,257		26,642			37,615
Lignite.....	357,015		180,492	105		176,418
Total.....	682,975	170	250,478	139		432,528
February—						
Bituminous.....	299,432	132	37,258	19	76	262,363
Sub-bituminous.....	45,600		11,768			33,832
Lignite.....	214,687		99,155	70		115,462
Total.....	559,719	132	148,181	89	76	411,657
March—						
Anthracite.....						
Bituminous.....	275,116	11	29,974	9	73	245,217
Sub-bituminous.....	35,404		5,841			29,563
Lignite.....	147,067		66,280	70		80,717
Total.....	457,587	11	102,095	79	73	355,497
April—						
Bituminous.....	232,566	437	20,453	86	101	212,565
Sub-bituminous.....	32,948		3,952			28,996
Lignite.....	105,208		47,170	15		58,023
Total.....	370,722	437	71,575	101	101	299,584
May—						
Bituminous.....	249,205	598	20,718	8	102	229,179
Sub-bituminous.....	35,533		2,551			32,982
Lignite.....	57,291		19,438	159		37,694
Total.....	342,029	598	42,707	167	102	299,855
June—						
Bituminous.....	234,476	328	16,240	13	99	218,650
Sub-bituminous.....	35,639		2,335			33,304
Lignite.....	48,599		12,757	12		35,830
Total.....	318,714	328	31,332	25	99	287,784
July—						
Bituminous.....	279,637	307	18,374		113	261,083
Sub-bituminous.....	37,731		3,908			33,823
Lignite.....	58,600		24,338			34,262
Total.....	375,968	307	46,620		113	329,768
August—						
Anthracite.....						
Bituminous.....	265,220	337	18,891	10	35	246,685
Sub-bituminous.....	48,859		11,787			37,072
Lignite.....	142,976		81,379			61,597
Total.....	457,055	337	112,057	16	35	345,354
September—						
Bituminous.....	223,871	569	21,639	52	68	202,817
Sub-bituminous.....	49,248		12,547			36,701
Lignite.....	106,044		113,992	75		81,977
Total.....	409,163	569	148,178	127	68	321,495
October—						
Bituminous.....	228,385	875	23,285	164	31	205,842
Sub-bituminous.....	60,529		17,813			42,716
Lignite.....	394,560		233,308	338		160,914
Total.....	683,474	875	274,406	502	31	409,472
November—						
Bituminous.....	244,323	647	32,363	287	97	212,417
Sub-bituminous.....	71,624		26,653			44,971
Lignite.....	473,179		218,794	356		254,029
Total.....	789,126	647	277,810	643	97	511,417
December—						
Bituminous.....	275,272	90	44,231	188		230,943
Sub-bituminous.....	81,314		27,271			54,043
Lignite.....	340,721		169,392	366	4	170,967
Total.....	697,307	90	240,894	554	4	455,953
Total—						
Anthracite.....						
Bituminous.....	3,069,206	4,501	326,770	876	795	2,716,856
Sub-bituminous.....	598,686		153,068			415,618
Lignite.....	2,545,947		1,266,495	1,566	4	1,267,890
Total.....	6,203,839	4,501	1,746,333	2,442	799	4,400,364

Table 120.—Employees, Salaries and Wages, in the Coal Mines of Alberta, by Districts, 1939

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
						\$	£	£
BITUMINOUS—								
Cascade.....	17	2	85	176	280	50,632	361,805	412,437
Crowsnest.....	96	5	430	1,403	1,934	238,353	2,151,741	2,390,094
Highwood.....				1	1		1,128	1,128
Mountain Park.....	55	3	234	578	870	139,300	1,306,463	1,445,783
Nordegg.....	21		65	134	220	44,716	237,068	281,784
Total bituminous.....	189	10	814	2,292	3,305	473,001	4,058,225	4,531,226
SUB-BITUMINOUS—								
Coalspur.....	31	2	217	137	387	81,250	444,711	525,961
Merley.....				1	1		200	200
Pekisko.....			3	8	11		6,425	6,425
Pincher.....			2	3	5		1,950	1,950
Prairie Crook.....	12	1	48	110	171	25,847	206,012	231,859
Saunders.....	14		26	66	106	22,687	109,836	132,523
Total sub-bituminous.....	57	3	290	325	681	129,784	769,134	898,968
LIGNITE—								
Ardley.....	3		9	37	49	2,950	21,107	24,057
Big Valley.....			1	7	8		3,416	3,416
Brooks.....	2		6	6	14	3,500	12,177	15,677
Camrose.....	8	1	21	67	97	16,005	60,282	76,287
Carbon.....	4	1	26	111	142	7,566	103,245	110,811
Castor.....	1		7	84	92	500	37,378	37,878
Champion.....			6	41	47		25,663	25,663
Drumheller.....	100	6	316	1,341	1,769	224,718	1,838,977	2,063,695
Edmonton.....	74	5	117	505	761	117,344	529,814	647,158
Gleichen.....	3		11	39	73	2,313	36,802	39,115
Halcourt.....			3	13	16		6,795	6,795
Lethbridge.....	35	2	140	386	563	69,530	592,816	682,346
Magrath.....			1	2	3		1,037	1,037
Milk River.....	1		8	4	13	400	4,379	4,779
Pakan.....			1		1		400	400
Pakowki.....				8	8		2,600	2,600
Pembina.....	1		14	42	57	2,163	36,248	38,411
Redcliff.....	1		11	35	47	1,000	26,677	27,677
Rochester.....	1		1	3	5	250	1,350	1,600
Sexsmith.....				1	1		125	125
Sheerness.....	5		28	10	43	4,007	17,840	21,847
Taber.....	2		8	28	35	1,340	16,755	18,095
Tofield.....	3		43	5	51	4,755	36,171	40,926
Wetaskiwin.....			1	11	12		4,575	4,575
Whitcourt.....				1	1		316	316
Area not designated.....			3	8	11		5,072	5,072
Total lignite.....	250	15	782	2,875	3,922	478,341	3,422,017	3,900,358
Total Alberta.....	496	28	1,892	5,492	7,908	1,081,126	8,249,426	9,330,552

Table 121.—Employees, Salaries and Wages in the Coal Mines of Alberta, by Districts, 1940

District	Average number of employees				Total	Salaries and wages		
	Salaried employees		Wage-earners			Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
					\$	\$	\$	
BITUMINOUS—								
Cascade.....	26	2	85	174	290	73,423	358,077	431,500
Crowsnest.....	90	4	392	1,319	1,805	224,175	2,426,340	2,650,515
Highwood.....				3	3		4,345	4,345
Mountain Park.....	70	5	244	696	1,015	193,204	1,598,668	1,791,872
Nordegg.....	21		75	156	232	51,611	363,296	414,907
Total bituminous.....	210	11	796	2,348	3,365	542,413	4,750,726	5,293,139
SUB-BITUMINOUS—								
Coalspur.....	25	5	238	125	353	83,805	572,971	656,866
Morley.....				1	1			
Pekisko.....	1		2	10	13	391	8,150	8,541
Fincher.....				1	2		1,075	1,075
Prinrie Creek.....	12	1	32	119	164	18,800	201,000	219,800
Saunders.....	12		30	65	107	20,243	107,569	127,812
Total sub-bituminous.....	50	6	303	322	681	123,329	890,756	1,014,085
LIGNITE—								
Ardley.....	3		9	31	43	4,280	23,197	27,477
Big Valley.....			2	8	10		4,074	4,074
Brooks.....	2		6	7	15	3,487	13,044	16,531
Caurose.....	10	1	22	66	99	15,797	66,255	82,052
Carbon.....	4		21	100	125	3,824	90,266	94,090
Castor.....	3		5	79	91	1,689	38,011	39,700
Champion.....				38	44	900	23,244	24,144
Drumheller.....	99	5	320	1,369	1,793	236,793	1,923,769	2,160,562
Edmonton.....	52	3	108	535	698	90,909	542,409	633,318
Geichen.....	2		7	60	69	1,587	36,763	38,350
Haleourt.....			2	13	15		9,882	9,882
Lethbridge.....	34	3	137	361	535	88,873	566,016	654,889
Mingrath.....				2	2		1,000	1,000
Milk River.....	1		8	5	11	600	4,513	5,113
Pakan.....			1	7	8		245	245
Pukowki.....				7	7		2,350	2,350
Pembina.....	1		14	38	53	2,325	47,064	49,389
Redcliff.....	2		9	29	40	3,209	35,267	38,476
Rochester.....	1		1	3	5	260	1,902	2,162
Sexsmith.....				1	1		305	305
Sheerness.....	5		25	10	40	4,135	14,886	19,021
Stevenville.....								
Taber.....	2		6	27	35	1,555	16,160	17,715
Tofield.....	3		45	5	53	4,800	41,057	45,857
Westlock.....	1		1	2	4	625	2,496	3,121
Wetaskiwin.....				10	11		4,164	4,164
Whitecourt.....				1	1		275	275
Area not designated.....				1	2		717	717
Total lignite.....	226	12	761	2,807	3,896	468,648	3,509,871	3,975,519
Total Alberta.....	486	29	1,860	5,477	7,852	1,131,390	9,151,353	10,282,743

Table 122.—Employment and Earnings in the Coal Mines of Alberta, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface.....	2,131	2,009	1,954	1,892	1,800
Underground.....	5,923	5,804	5,420	5,492	5,477
Total.....	8,054	7,813	7,374	7,384	7,337
Days' work done—					
Surface.....	517,453	498,015	469,649	468,615	405,711
Underground.....	1,165,041	1,114,926	1,021,023	1,069,076	1,174,035
Total.....	1,682,494	1,613,541	1,490,677	1,537,691	1,669,746
Average number of days worked per man per year—					
Surface.....	243	248	240	248	267
Underground.....	197	192	189	195	214
By all wage-earners.....	209	207	202	208	223
Total wages paid.....	\$ 8,493,359	\$ 8,370,081	\$ 7,852,897	\$ 8,249,426	\$ 9,151,353

Table 123.—Wage-Earners Employed, and Work Done, by Months, in the Coal Mines of Alberta in 1940

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	2,148	6,812	8,960	49,683	126,533	176,216
February.....	2,102	6,434	8,536	43,600	103,517	147,117
March.....	1,944	5,577	7,521	38,929	86,213	125,142
April.....	1,637	4,220	5,857	34,502	69,097	103,599
May.....	1,517	3,687	5,204	32,676	64,083	96,759
June.....	1,532	3,667	5,199	31,815	61,152	92,967
July.....	1,534	3,978	5,512	33,509	70,191	103,700
August.....	1,804	5,077	6,881	40,509	90,683	131,192
September.....	1,877	5,827	7,704	41,305	91,987	133,292
October.....	2,025	6,455	8,480	48,887	130,092	178,979
November.....	2,126	7,030	9,156	52,360	150,296	202,656
December.....	2,078	8,960	9,038	47,936	130,191	178,127
Total.....				495,711	1,174,035	1,669,746

Table 124.—Number of Man-Days' Work Done in the Coal Mines of Alberta, by Districts, 1939 and 1940

District	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
BITUMINOUS—						
Brûlé.....						
Cascade.....	23,835	36,799	60,634	23,032	36,045	59,077
Crowsnest.....	103,224	261,642	364,866	106,717	300,956	407,673
Highwood.....	16	53	69	125	513	638
Mountain Park.....	64,903	153,866	218,769	79,448	188,021	267,469
Nordegg.....	15,916	22,435	38,351	20,010	34,086	54,076
Total bituminous.....	207,894	474,705	682,699	229,352	550,601	788,953
SUB-BITUMINOUS—						
Coalspur.....	58,527	21,742	80,269	73,672	23,109	96,781
Morley.....	29	61	90	10	12	22
Pekisko.....	748	1,263	2,011	892	2,001	2,893
Pincher.....	323	484	807	110	178	288
Prairie Creek.....	12,749	29,069	41,818	9,069	33,657	42,726
Saunders.....	4,914	12,042	16,956	5,122	11,295	16,417
Total sub-bituminous.....	77,290	64,661	141,951	88,875	70,292	159,127
LIGNITE—						
Ardley.....	2,338	4,719	7,057	1,996	5,160	7,156
Big Valley.....	428	1,109	1,537	302	1,376	1,678
Brooks.....	1,704	1,578	3,283	1,527	1,639	3,166
Camrose.....	5,038	15,627	20,665	5,557	15,202	20,759
Carbon.....	6,242	19,696	25,938	5,145	18,295	23,440
Castor.....	3,704	12,058	15,762	2,840	13,196	16,045
Champion.....	1,341	6,679	8,020	1,131	6,407	7,538
Drumheller.....	68,287	241,873	310,160	70,673	265,205	335,878
Edmonton.....	28,272	113,276	141,548	26,159	112,622	138,681
Gleichen.....	2,062	12,175	15,137	2,142	12,723	14,865
Halcourt.....	897	2,419	3,316	568	2,648	3,216
Lethbridge.....	34,308	75,124	109,432	31,670	72,902	104,638
Mugrath.....	130	315	445	141	216	357
Milk River.....	1,947	574	2,521	2,025	536	2,561
Pakan.....	314	29	343	197	.....	197
Pakowki.....	315	589	904	148	711	859
Pembina.....	3,268	6,636	9,904	3,880	8,487	12,367
Redcliff.....	1,759	5,574	7,333	2,030	6,779	8,809
Rochester.....	225	622	847	317	635	952
Sexsmith.....	24	60	84	46	140	186
Sheerness.....	5,170	1,413	6,583	4,300	1,263	5,563
Stevenville.....						
Tauber.....	1,956	3,841	5,797	1,542	4,108	5,740
Totfield.....	11,611	764	12,375	12,485	1,068	13,553
Westlock.....				182	574	756
Wetaskiwin.....	506	1,616	2,122	260	1,841	2,101
Whitecourt.....	54	55	109	71	18	89
Area not designated.....	631	1,298	1,929	135	231	366
Total lignite.....	183,431	529,620	713,051	177,484	544,182	721,666
Total Alberta.....	468,615	1,069,076	1,537,691	495,711	1,174,035	1,669,746

Table 125.—Wage-Earners Employed in the Coal Mines of Alberta, by Classes, 1939 and 1940

Classification	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	53		53	53		53
Foremen and officials.....	117	410	527	111	391	502
Clerks.....	127		127	120		120
Screenmen and loaders.....	569		569	566		566
Hand cutters and helpers.....		1,879	1,879		1,833	1,833
Machine cutters and helpers.....		276	276		260	260
Machine loaders and helpers.....		1,281	1,281		1,289	1,289
Horse haulage employees.....	29	342	371	25	333	358
Mechanical haulage employees.....	68	294	362	64	324	388
Ventilation employees.....		46	46		46	46
Roadmakers.....		135	135		142	142
Stripping shovel operators.....	8		8	12		12
Timbermen.....		286	286		326	326
Pumpmen.....	1	23	24	1	23	24
Chute loaders.....		168	168		141	141
Enginemen.....	128	2	130	118	3	121
Firemen.....	86		86	76		76
Machinists.....	61	4	65	62	6	68
Carpenters and masons.....	57	3	60	44	1	45
Other mechanics.....	93	17	110	95	19	114
All other employees.....	495	326	821	513	340	853
Total.....	1,892	5,492	7,384	1,860	5,477	7,337

Table 126.—Capital Employed in the Coal Mines of Alberta, 1939 and 1940

	1939	1940
Capital employed as represented by—	\$	\$
Cost of lands, buildings, machinery and tools.....	29,811,382	27,257,731
Cost of supplies and stock on hand.....	821,006	863,425
Cash, trading and operating accounts and bills receivable.....	6,333,786	6,265,591
Total.....	36,966,174	34,386,747

CHAPTER TEN
BRITISH COLUMBIA

An increase of 10·3 per cent was recorded in the output of coal from British Columbia mines in 1940 compared with the preceding year's output; the totals were 1,867,846 and 1,692,755 tons, respectively. Production from the Crow's Nest Pass district rose 38·2 per cent to 869,704 tons, The Inland district produced 177,091 tons as against 229,692 tons in 1939. In the Island district, production decreased 1·5 per cent to 821,051 tons.

In 1940, British Columbia mines shipped 1,540,480 tons of coal (exclusive of local sales to employees); in 1939, shipments totalled 1,388,998 tons. Consumers within the province purchased 34·9 per cent of the 1940 shipments, railroads purchased 32·4 per cent and purchases for ships' bunkers accounted for 11·4 per cent; the remainder of the coal shipped was consigned to the United States, Manitoba, Ontario, Alaska, Saskatchewan, Alberta, Chile and Japan.

Retail coal dealers purchased 351,000 tons direct from the mines in 1940; this total consisted of 95,000 tons of lump, 106,000 tons of pea, 76,000 tons of slack, 28,000 tons of nut, 30,000 tons of egg and 16,000 tons of run-of-mine. Purchases by industrial consumers totalled 365,000 tons, of which 49·9 per cent was slack. Domestic users and employees purchased 40,000 tons; 37·5 per cent of this coal was lump.

Employment was furnished by the British Columbia coal mining industry to 2,783 wage-earners who worked 716,226 man-days during the year, or an average of 257 days per man. During 1939 there were 2,826 men employed who averaged 246 days per man or a total of 696,558 man-days work.

Table 127.—Output of Coal from British Columbia Mines, 1836-1940
(Short tons)

Calendar year	Output	Value	Calendar year	Output	Value	Calendar year	Output	Value
		\$			\$			\$
1836-1866.....	214,410	765,748	1882.....	937,218	2,510,406	1918.....	2,568,589	11,494,681
1867.....	34,988	124,956	1883.....	1,093,980	2,930,304	*1919.....	2,649,516	13,512,532
1868.....	49,286	176,020	1884.....	1,112,628	2,980,254	*1920.....	3,065,011	18,105,814
1869.....	40,098	143,208	1885.....	1,058,045	2,834,049	*1921.....	2,890,291	15,676,774
1870.....	33,424	119,372	1886.....	1,003,769	2,688,666	*1922.....	2,927,033	14,622,317
1871.....			1887.....	1,019,390	2,730,510	*1923.....	2,823,306	13,813,520
1872.....	166,274	593,836	1888.....	1,263,680	3,384,858	*1924.....	2,193,667	10,601,998
1873.....			1889.....	1,431,101	3,833,307	*1925.....	2,742,252	11,720,373
1874.....	90,788	243,183	1900.....	1,791,833	4,799,553	*1926.....	2,613,719	10,612,915
1875.....	109,361	292,932	1901.....	1,919,488	5,141,487	*1927.....	2,746,243	10,934,777
1876.....	167,007	420,555	1902.....	1,808,441	4,844,040	*1928.....	2,804,594	11,094,353
1877.....	166,455	419,076	1903.....	1,676,581	4,490,844	*1929.....	2,490,378	10,160,789
1878.....	213,750	572,544	1904.....	1,862,625	4,959,174	*1930.....	2,083,818	8,421,572
1879.....	260,277	697,170	1905.....	1,945,452	5,211,030	*1931.....	1,876,406	7,150,996
1880.....	305,045	817,088	1906.....	2,146,262	5,748,915	*1932.....	1,681,490	6,392,801
1881.....	257,056	688,542	1907.....	2,364,898	7,390,306	*1933.....	1,382,272	5,306,287
1882.....	323,261	865,716	1908.....	2,333,708	7,292,833	*1934.....	1,485,969	5,351,108
1883.....	240,075	643,059	1909.....	2,606,127	8,144,147	*1935.....	1,331,287	5,043,510
1884.....	441,130	1,181,598	1910.....	3,330,745	10,408,587	*1936.....	1,489,171	5,493,425
1885.....	372,987	989,072	1911.....	2,542,532	7,945,413	*1937.....	1,598,843	5,863,849
1886.....	375,415	1,005,576	1912.....	3,208,997	10,028,116	*1938.....	1,440,287	5,237,077
1887.....	486,142	1,302,165	1913.....	2,714,420	8,482,562	*1939.....	1,692,755	5,825,107
1888.....	539,467	1,445,001	1914.....	2,239,799	6,999,374	*1940.....	1,867,846	6,157,250
1889.....	636,439	1,704,747	1915.....	2,065,613	6,455,041			
1890.....	767,586	2,056,035	1916.....	2,584,061	8,075,190	Total.....	198,370,912	387,473,230
1891.....	1,130,227	3,027,528	1917.....	2,433,888	8,235,716			

* The tonnage shown for 1919-1940 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 128.—Output of Coal from British Columbia Mines, by Months, 1936-1940
(Short tons)

Month	1936	1937	1938	1939	1940
January.....	127,373	135,718	139,025	123,575	166,176
February.....	140,327	133,276	135,047	113,426	158,038
March.....	125,886	149,918	129,001	134,673	149,383
April.....	126,856	136,833	114,465	128,474	166,450
May.....	118,952	114,070	104,929	132,837	159,541
June.....	123,484	130,399	130,215	149,769	148,912
July.....	118,676	126,091	96,363	150,105	158,012
August.....	117,325	130,043	118,351	172,408	170,334
September.....	115,084	140,513	118,283	131,589	137,069
October.....	129,532	145,307	121,263	149,169	151,580
November.....	120,205	123,123	127,135	147,897	157,845
December.....	125,465	133,552	133,210	158,833	144,506
Total.....	1,489,171	1,598,843	1,440,287	1,692,755	1,867,846

Table 129.—Output of Coal by Districts in British Columbia, 1936-1940
(Short tons)

District	1936	1937	1938	1939	1940
Crow's Nest Pass.....	514,161	494,963	482,417	629,392	869,704
Inland.....	182,982	190,650	216,311	229,692	177,091
Island.....	792,028	913,230	741,559	833,671	821,051
Total.....	1,489,171	1,598,843	1,440,287	1,692,755	1,867,846

Table 130.—Output of Coal by Principal Collieries in British Columbia, 1938-1940
(Average of 500 tons or over per month)
(Short tons)

Name	Address	1938	1939	1940
CROW'S NEST PASS DISTRICT—				
Crow's Nest Pass Coal Co., Ltd.....	Fernie.....	482,417	629,392	869,704
Total.....		482,417	629,392	869,704
INLAND DISTRICT—				
Bulkley Valley Collieries Ltd.....	Telkwa.....	4,222	5,055	5,767
Coalmont Collieries, Ltd.....	Coalmont.....	89,394	83,842	22,428
Granby Cons. M.S. & P. Co., Ltd.....	Princeton.....	74,164	93,742	94,030
Middlesboro Collieries, Ltd.....	Merritt.....	28,780	24,739	27,573
Princeton Tulameen Coal Co. Ltd.....	Princeton.....	18,513	21,856	26,434
All other operators.....		1,238	458	859
Total.....		216,311	229,692	177,091
ISLAND DISTRICT—				
Beban, Frank, Lumber Co. Ltd.....	Nanaimo.....	6,737	17,464	37,553
*Canadian Collieries (Dunsmuir) Ltd.....	Nanaimo.....	429,162	721,681	770,088
Lantzville Collieries Ltd.....	Lantzville.....	5,237	4,342	4,143
Western Fuel Corporation of Canada, Ltd.....	Nanaimo.....	292,445	83,835	.....
All other operators.....		7,878	6,346	9,267
Total.....		741,558	833,671	821,051
Total British Columbia.....		1,440,287	1,692,755	1,867,846

* Western Fuel Corporation's output included since July, 1939.

Table 131.—Tonnage Lost in British Columbia Mines, Showing, by Districts, the Relative Percentage Produced and Lost, with an Analysis of the Percentage Lost, 1939 and 1940

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.....	1939	74	26	.....	25.0	0.2	.....	0.8
	1940	83	17	.....	14.2	2.0	.....	0.8
Inland.....	1939	79	21	.....	20.8	.....	.....	0.2
	1940	81	19	.....	18.8	.....	0.2	.....
Island.....	1939	84	16	0.4	15.4	.....	0.1	0.1
	1940	87	13	0.2	12.8	.....	.....	.....
British Columbia.....	1939	79	21	0.3	19.9	0.2	0.1	0.5
	1940	85	15	0.1	14.0	0.7	.....	0.2

Table 132.—Disposition of Coal from British Columbia Mines, by Grades, 1939 and 1940
(Short tons)

Description	1939		1940				Total	
	Total		Run-of-mine	Lump	Nut and other grades	Slack	Total	
	Quantity	Value					Quantity	Value
		\$						\$
Supplied to employees for domestic consumption.....	17,688	56,755	4,647	9,844	1,496	.....	15,987	51,201
Shipped as per Table 133.....	1,388,998	5,521,807	454,006	304,989	343,228	438,257	1,540,480	5,811,075
Used under colliery boilers, etc.....	62,019	151,592	10,092	121	44	17,960	28,217	59,568
Used by companies' railroads.....	4,710	22,858	.....	2,106	1,454	.....	3,560	16,414
Used in making coke at colliery.....	87,615	199,125	.....	.....	.....	99,027	99,027	191,121
Put on bank.....	81,023	278,551	5,215	21,900	24,213	16,761	68,689	273,230
Put on waste heap.....	146,192	.....	.....	.....	.....	.....	183,100	.....
Total disposition.....	1,788,245	6,224,788	473,960	338,960	370,435	572,005	1,938,460	6,405,549
Lifted from bank.....	95,093	399,681	4,815	14,634	20,024	29,279	68,752	248,299
Lifted from waste heap.....	397	.....	.....	.....	.....	.....	1,862	.....
Total output.....	1,692,755	5,825,107	469,145	321,326	350,411	542,726	1,867,846	6,157,250

Table 133.—Shipments of Coal from British Columbia Mines, by Grades and Destination, 1939 and 1940

(Short tons)

Destination	1939					1940				
	Run-of-mine	Lump	Nut and other grades	Slack	Total	Run-of-mine	Lump	Nut and other grades	Slack	Total
British Columbia.....	27,804	138,587	214,810	120,129	501,330	24,259	123,611	212,557	177,033	537,460
Alberta.....	311	.....	616	7,275	8,202	617	.....	784	3,100	4,501
Saskatchewan.....	2,236	127	3,760	2,604	8,733	2,153	390	3,804	2,635	8,982
Manitoba.....	2,081	439	21,204	40,759	64,483	2,425	1,071	23,379	96,854	123,729
Ontario.....	346	397	186	15,432	16,361	562	2,676	2,021	21,685	27,844
United States.....	1,230	14,819	21,703	54,150	91,902	1,164	7,982	21,469	72,832	103,447
Alaska.....	.....	9,251	338	.....	9,589	.....	8,183	720	131	9,043
Chile.....	.....	.....	.....	.....	.....	.....	9,737	5,418	452	15,607
Japan.....	.....	.....	.....	.....	.....	.....	4,091	5,525	25,791	35,407
Railroads for locomotive use—										
(a) In Canada.....	311,638	105,681	11,369	146	428,834	413,506	49,984	8,089	18,241	489,820
(b) In the United States.....	9,072	.....	.....	.....	9,072	9,320	.....	.....	.....	9,320
Bunker.....	.....	160,501	89,349	642	250,492	.....	97,264	58,553	19,503	175,320
Total.....	354,718	429,802	363,341	241,137	1,388,998	454,006	304,989	343,228	438,257	1,540,480

Table 134.—Exports of Canadian Coal through British Columbia Ports, 1936-1940
(Short tons)

Port	1936	1937	1938	1939	1940
Abbotsford.....					
Cranbrook.....	71,798	95,109	85,185	95,407	114,540
Fernie.....	2,280	5			
Grand Forks.....					
Nanaimo.....	52,767	50,386	53,244	47,266	74,325
Nelson.....	1	20	7		
New Westminster.....	41	17	3	13	31
Penticton.....	52	67	107	112	77
Prince Rupert.....	87	35	46	36	16
Vancouver.....					
Victoria.....	410				
Total.....	127,436	145,639	138,592	142,834	188,989

Table 135.—Imports into British Columbia of Anthracite, Bituminous and Lignite Coal, by Ports of Entry, 1939 and 1940
(Short tons)

Port	Source	1939				1940								
		Anthracite	Bituminous, all grades	Lignite	Total	Anthracite			Total	Bituminous, all grades	Lignite	Total		
						Grate, egg, stove, nut, d'bles, cobbles and trebles	Screenings or dust	Peas, beans and smaller sizes, n.o.p.						
Nanaimo.....	U.S.....		35		35						230			330
Nelson.....	U.S.....		95	72	167						78	26		104
New Westminster.....	U.S.....		77	285	362						53	100		153
Penticton.....	U.S.....			71	71									
Prince Rupert.....	U.S.....		104		104						43			43
Revelstoke.....	U.S.....		30		30									
Vancouver.....	U.S.....		1,352	2,013	3,365	236			236	1,947	1,293		3,476	
Victoria.....	U.S.....		92		92					240			240	
Total.....	U.S.....		1,785	2,441	4,226	236			236	2,591	1,419		4,246	
Grand total.....			1,785	2,441	4,226	236			236	2,591	1,419		4,246	

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

Table 136.—Summary Statistics for British Columbia in 1940—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, 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—						
Anthracite.....						
Bituminous.....	166,176	14,375	10,365	16,924	252	153,514
Sub-bituminous.....		5,828				5,828
Lignite.....		6,750		885	392	6,257
Total.....	166,176	26,953	10,365	17,809	644	165,599
February—						
Bituminous.....	158,038	11,887	6,409	30,623	616	133,509
Sub-bituminous.....		3,525				3,525
Lignite.....		3,259		418	168	3,009
Total.....	158,038	18,671	6,409	31,041	784	140,043
March—						
Anthracite.....						
Bituminous.....	149,383	10,311	6,010	19,170		134,514
Sub-bituminous.....		1,662				1,662
Lignite.....		1,895		39	164	2,020
Total.....	149,383	13,868	6,010	19,209	164	138,196
April—						
Anthracite.....						
Bituminous.....	166,450	9,857	11,921	15,494	205	149,097
Sub-bituminous.....		391				391
Lignite.....		2,093		45	119	2,167
Total.....	166,450	12,341	11,921	15,539	324	151,655
May—						
Anthracite.....						
Bituminous.....	159,541	10,635	13,169	16,995	113	140,125
Sub-bituminous.....		1,011				1,011
Lignite.....		1,224		45	37	1,216
Total.....	159,541	12,870	13,169	17,040	150	142,352
June—						
Anthracite.....						
Bituminous.....	148,912	10,681	12,132	6,863	168	140,766
Sub-bituminous.....		570				570
Lignite.....		444				444
Total.....	148,912	11,695	12,132	6,863	168	141,780
July—						
Anthracite.....						
Bituminous.....	158,012	11,155	14,030	9,653	40	145,524
Sub-bituminous.....		401				401
Lignite.....		987				987
Total.....	158,012	12,543	14,030	9,653	40	146,912
August—						
Anthracite.....						
Bituminous.....	170,334	10,044	12,784	10,979	206	156,821
Sub-bituminous.....		3,550				3,550
Lignite.....		5,940				5,940
Total.....	170,334	19,534	12,784	10,979	206	166,311
September—						
Anthracite.....						
Bituminous.....	137,069	10,226	15,151	12,039	260	120,365
Sub-bituminous.....		2,454				2,454
Lignite.....		7,747		94	33	7,686
Total.....	137,069	20,427	15,151	12,133	293	130,505
October—						
Anthracite.....						
Bituminous.....	151,580	9,984	20,836	13,399	50	127,379
Sub-bituminous.....		4,513				4,513
Lignite.....		11,796		289	152	11,659
Total.....	151,580	26,293	20,836	13,688	202	143,551

Table 136.—Summary Statistics for British Columbia in 1940—Output, Exports, Inter-provincial Shipments, Imports and Coal made Available for Consumption, by Months and by Kinds—Concluded

(Short tons)

Month	Canadian coal				Imported from U.S.A.	Coal available for consumption
	Output	Received from other provinces	Shipped to other provinces	Exported		
November—						
Anthracite.....					18	131,819
Bituminous.....	157,845	11,671	21,952	15,763		9,138
Sub-bituminous.....		9,138				
Lignite.....		11,944		584	84	11,444
Total.....	157,845	32,753	21,952	16,347	102	152,401
December—						
Anthracite.....					236	236
Bituminous.....	144,506	14,014	20,297	17,505	663	121,361
Sub-bituminous.....		8,012				8,012
Lignite.....		7,436		1,183	270	6,523
Total.....	144,506	29,462	20,297	18,688	1,169	136,152
Total—						
Anthracite.....					236	236
Bituminous.....	1,867,846	134,840	165,056	185,407	2,591	1,654,814
Sub-bituminous.....		41,055				41,055
Lignite.....		61,515		3,582	1,419	59,352
Total.....	1,867,846	237,410	165,056	188,989	4,246	1,755,457

Table 137.—Employees, Salaries and Wages in the Coal Mines of British Columbia, by Districts, 1939 and 1940

District	Average number of employees					Salaries and wages		
	Salaried employees		Wage-earners		Total	Salaries	Wages	Total
	Male	Female	Surface	Under-ground				
1939						\$	\$	\$
Crow's Nest Pass.....	18	1	160	476	655	80,693	906,457	987,150
Inland.....	21	1	151	276	449	53,009	462,040	515,049
Island.....	93	9	559	1,204	1,865	234,368	2,180,661	2,415,029
British Columbia.....	132	11	870	1,956	2,969	368,070	3,549,158	3,917,228
1940								
Crow's Nest Pass.....	21	1	147	575	744	83,055	1,142,366	1,225,421
Inland.....	21	1	98	210	330	39,783	324,686	364,469
Island.....	142	9	489	1,264	1,904	294,902	2,080,170	2,375,072
British Columbia.....	184	11	734	2,049	2,978	417,740	3,547,222	3,964,962

Table 138.—Employment and Earnings in the Coal Mines of British Columbia, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface.....	830	880	912	870	734
Underground.....	1,809	1,993	1,921	1,956	2,049
Total.....	2,639	2,873	2,833	2,826	2,783
Days' work done—					
Surface.....	224,155	239,043	226,041	233,057	205,828
Underground.....	461,883	502,303	421,645	463,501	510,398
Total.....	686,038	741,346	647,686	696,558	716,226
Average number of days worked per man per year—					
Surface.....	270	272	248	268	280
Underground.....	255	252	219	237	249
By all wage-earners.....	260	258	229	246	257
Total wages paid.....	\$3,173,091	\$3,568,627	\$ 3,089,466	\$3,549,158	3,547,222

Table 139.—Wage-Earners Employed, and Work Done by Months in the Coal Mines of British Columbia in 1940

Month	Number of wage-earners			Days' work done		
	Surface	Under-ground	Total	Surface	Under-ground	Total
January.....	748	2,024	2,772	18,351	44,566	62,917
February.....	762	2,039	2,801	18,118	41,462	59,580
March.....	751	2,002	2,753	18,072	39,860	57,932
April.....	758	2,029	2,787	17,427	44,662	62,089
May.....	703	2,059	2,762	16,784	42,876	59,660
June.....	728	2,082	2,810	15,699	38,495	54,194
July.....	724	2,044	2,768	16,966	42,798	59,764
August.....	725	2,052	2,777	17,388	43,654	61,046
September.....	715	2,071	2,786	15,564	40,661	56,125
October.....	757	2,109	2,866	18,210	46,652	64,862
November.....	725	2,030	2,755	17,311	41,547	61,858
December.....	720	2,044	2,764	15,940	40,865	56,805
Total.....				205,828	510,398	716,226

Table 140.—Number of Man-Days Worked in British Columbia, by Districts, 1939 and 1940

District	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Crow's Nest Pass.....	35,900	107,662	143,562	36,637	147,685	184,322
Inland.....	38,914	60,074	98,988	24,716	49,026	73,742
Island.....	158,243	295,765	454,008	144,475	313,687	458,162
Total.....	233,057	463,501	696,558	205,828	510,398	716,226

Table 141.—Wage-Earners in the Coal Mines of British Columbia, by Classes, 1939 and 1940

Classification	1939			1940		
	Surface	Under-ground	Total	Surface	Under-ground	Total
Administration.....	15		15	14		14
Foremen and officials.....	34	84	118	32	78	110
Clerks.....	27		27	30		30
Screenmen and loaders.....	152		152	138		138
Hand cutters and helpers.....		378	378		367	367
Machine cutters and helpers.....		181	181		154	154
Machine loaders and helpers.....		395	395		451	451
Horse haulage employees.....	2	107	109		120	120
Mechanical haulage employees.....	14	329	343	10	346	356
Ventilation employees.....		44	44		76	76
Roadmakers.....	1	26	27		24	24
Timbermen.....	5	123	128	5	122	127
Pumpmen.....		2	2		1	1
Chute loaders.....		34	34		11	11
Enginemen.....	51	1	52	43		43
Firemen.....	27		27	24		24
Machinists.....	42	8	50	34	9	43
Carpenters and masons.....	49		49	47		47
Other mechanics.....	108	98	206	90	130	220
All other white employees.....	245	145	390	204	159	363
Japanese.....	3		3	3		3
Chinese.....	95	1	96	70	1	71
Indians.....						
Total.....	870	1,956	2,826	734	2,049	2,783

Table 142.—Capital Employed in the Coal Mines of British Columbia, 1939 and 1940

	1939	1940
	\$	\$
Capital employed as represented by—		
Cost of lands, buildings, machinery and tools.....	10,492,252	10,549,183
Cost of supplies and stock on hand.....	244,763	379,169
Cash, trading and operating accounts and bills receivable.....	2,076,651	1,739,234
Total.....	21,813,666	21,667,586

CHAPTER ELEVEN

YUKON

No coal was mined in the Yukon during the years 1939 or 1940; 361 tons were produced in 1938.

There was no coal imported through the customs ports of Dawson and White Horse during the year 1940.

Table 143.—Output of Coal from Yukon Mines, 1901-1940
(Short tons)

Calendar year	Short tons	Value	Calendar year	Short tons	Value	Calendar year	Short tons	Value
1901.....	(a) 5,864	\$ 86,230	1915.....	9,724	\$ 38,896	*1929.....	458	\$ 1,848
1902.....	4,910	37,280	1916.....	3,300	13,200	*1930.....	653	3,110
1903.....	1,849	29,584	1917.....	4,872	†29,232	*1931.....	904	5,039
1904.....	.....	.....	1918.....	2,900	11,600	*1932.....	808	3,491
1905.....	7,000	21,000	*1919.....	.....	.....	*1933.....	882	3,670
1906.....	7,000	28,000	*1920.....	.....	.....	*1934.....	638	2,217
1907.....	15,000	60,000	.....	233	2,472	*1935.....	835	3,483
1908.....	3,847	21,158	*1921.....	465	4,650	*1936.....	510	2,286
1909.....	7,364	40,502	*1922.....	313	1,485	*1937.....	84	812
1910.....	16,185	110,925	*1923.....	1,121	8,265	*1938.....	361	3,400
1911.....	2,840	12,780	*1924.....	730	7,147	1939.....	.....	.....
1912.....	9,245	44,958	*1925.....	316	800	1940.....	.....	.....
1913.....	19,722	95,945	*1926.....	414	2,052			
1914.....	13,443	53,760	*1927.....	414	2,915	Total.....	145,184	803,192
			*1928.....	414	2,915			

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

† Value not reported, but estimated.

* For the years 1919-1938 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 144.—Imports of Bituminous Coal into Yukon and Exports of Canadian Coal through Yukon Ports, 1936-1940
(Short tons)

	1936	1937	1938	1939	1940
Imports—					
Dawson.....	37	35	10	*89	
White Horse.....	24	28	16	8	
Total.....	61	63	26	97	
Exports—					
Dawson.....	1				1
White Horse.....					
Total.....	1				1

* Includes 74 tons of lignite coal.

Table 145.—Summary Statistics for 1940—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		
March—						
Bituminous						
April—						
Bituminous						
May—						
Sub-Bituminous		14				14
June—						
Bituminous						
July—						
Bituminous					1	-1
August—						
Lignite						
September—						
Lignite						
October—						
Bituminous					1	-1
December—						
Bituminous						
Total—						
Bituminous					1	-1
Sub-Bituminous		14				14
Total		14			1	13

Table 146.—Employment and Earnings in the Coal Mines of Yukon, 1936-1940

	1936	1937	1938	1939	1940
Average number of wage-earners—					
Surface	1				
Underground	2	2	2		
Total	3	2	2		
Days' work done—					
Surface	44				
Underground	88	20	86		
Total	132	20	86		
Average number of days worked per man per year—					
Surface	44				
Underground	44	10	43		
By all wage-earners	44	10	43		
Total wages paid	\$ 1,439	\$ 160	\$ 690		

Table 147.—World Production of Coal* 1936-1939

(Including brown coal)

(Long tons)

Country	1936	1937	1938	1939
BRITISH EMPIRE				
Great Britain—				
Anthracite.....	6,525,225	6,335,776	6,278,140	†
Bituminous.....	221,923,131	234,073,660	220,737,168	†
Northern Ireland.....	5,250	1,203	1,203	†
Eire—				
Anthracite.....	95,214	104,966	90,701	89,026
Semi-bituminous.....	29,509	20,958	27,751	28,732
Nigeria.....	291,651	363,181	362,516	†
Southern Rhodesia.....	693,947	1,013,086	1,027,342	1,099,879
Union of South Africa.....	14,607,313	15,246,129	16,026,987	16,623,533
Canada—				
Bituminous.....	9,639,406	10,387,838	9,223,020	10,508,300
Sub-bituminous.....	505,587	452,018	436,531	457,233
Lignite.....	3,452,611	3,299,388	3,103,590	3,045,804
British Borneo—				
Brunei.....	184	444	464	32
State of North Borneo.....				
Federated Malay States.....	502,823	627,890	477,908	441,025
India—				
Gondwana Coal fields.....	22,212,457	24,571,343	27,823,951	27,767,492
Tertiary Coal fields.....	398,364	465,043	518,955	
Used by miners.....	565,000	626,000	709,000	†
Australia—				
Bituminous.....	11,370,409	12,074,274	11,680,159	†
Lignite.....	3,044,897	3,393,919	3,675,450	†
New Zealand—				
Bituminous.....	858,857	969,984	977,850	1,044,609
Brown coal.....	1,150,071	1,180,320	1,112,414	1,159,993
Lignite.....	131,289	121,495	131,824	138,067
Total British Empire.....	298,000,000	315,000,000	304,000,000	
FOREIGN COUNTRIES				
Albania.....				
Lignite.....	3,000	4,000	4,000	†
Austria—				
Bituminous.....	240,480	226,584	222,000	†
Brown coal.....	2,851,446	3,190,371	3,477,000	†
Belgium—				
Anthracite and semi-anthracite.....	5,981,898	6,588,307	6,765,946	29,375,500
Bituminous.....	21,445,070	22,799,348	22,351,652	
Bulgaria—				
Anthracite.....	2,286	2,502	3,937	†
Bituminous.....	98,379	116,021	136,041	†
Lignite.....	1,561,206	1,704,763	1,825,898	†
Czechoslovakia—				
Bituminous.....	12,039,975	16,512,541	13,300,000	†
Brown coal.....	15,696,878	17,612,727	12,900,000	†
France—				
Saar.....				
Other districts—				
Anthracite and bituminous (a).....	44,513,214	43,618,141	45,702,612	46,809,000
Lignite.....	928,333	999,522	1,040,552	†
Germany—				
Bituminous.....	155,782,899	181,598,670	183,238,362	†
Brown coal.....	158,847,655	181,791,547	191,898,839	†
Greece—				
Lignite.....	103,953	129,013	106,304	†
Hungary—				
Bituminous.....	813,783	902,545		†
Brown coal.....	6,501,139	7,927,904	9,211,880	
Lignite.....	491,652	140,919		
Lignite (dehydrated).....	122,277			
Italy—				
Anthracite.....	78,709	93,559	130,109	100,000
Bituminous.....	714,696	855,654	2,185,904	1,041,290
Brown coal.....	756,425	1,042,502		1,894,600
Jugoslavia—				
Bituminous.....	434,384	432,405	4,401,672	439,070
Brown coal.....	3,017,941	3,475,749		4,244,118
Lignite.....	952,916	1,046,889	1,240,478	1,289,063
Netherlands—				
Bituminous.....	12,600,340	14,095,084	13,274,508	12,658,370
Brown coal.....	87,377	140,798	167,942	†
Poland—				
Bituminous.....	29,278,040	35,846,160	37,502,220	†
Brown coal.....	13,305	18,616	9,376	†
Portugal—				
Anthracite.....	204,450	228,260	277,290	245,138
Bituminous.....	8,165	17,168	16,581	18,031
Brown coal.....	20,395	22,439	14,619	35,598

Table 147.—World Production of Coal* 1936-1939—Concluded

(Including brown coal)

(Long tons)

Country	1936	1937	1938	1939
Roumania—				
Anthracite.....	3,649	3,588	3,214	4,331
Bituminous.....	284,299	294,657	290,807	263,562
Brown coal.....	1,482,615	1,616,921	1,793,350	1,873,700
Lignite.....	162,805	233,856	270,236	270,477
Russia—				
Anthracite.....	27,703,000			
Bituminous.....	78,974,000	120,643,000	130,300,000	121,450,000
Lignite.....	17,333,000			
Spain—				
Anthracite.....	†	†	†	653,112
Bituminous.....	†	†	†	5,993,303
Brown coal.....	†	†	†	201,033
Spitzbergen and Bear Island.....	771,442	754,035	616,623	†
Sweden.....	448,647	453,193	424,222	†
Switzerland (b).....	3,000	4,000	3,000	†
Algeria.....	6,791	13,997	12,979	†
Belgian Congo.....	13,682	35,917	40,618	†
Morocco (French)				
Anthracite.....	49,621	105,458	109,000	†
Mozambique.....	8,161	18,890	18,364	†
Greenland.....	4,397	6,000	†	†
Mexico.....	1,276,000	897,629	879,035	618,176
United States—				
Anthracite.....	48,731,728	48,300,387	41,159,846	45,363,000
Bituminous and lignite.....	392,042,770	397,795,937	307,705,000	347,344,000
Brazil	651,738	750,742	871,023	1,029,916
Chile	1,845,184	1,969,384	2,028,652	1,852,479
Colombia (estimated)	277,534	325,000	855,000	†
Peru—				
Anthracite.....	3,479	2,872	1,476	†
Bituminous.....	84,727	94,605	72,779	†
Venezuela (c)	7,000	11,737	5,601	†
China	12,000,000	†	†	†
Netherlands East Indies	1,129,078	1,341,971	1,433,641	1,752,509
Formosa	1,716,236	†	†	†
French Indo-China—				
Anthracite.....	2,116,108	2,229,206	2,249,500	†
Bituminous.....	34,876	42,348	53,800	†
Brown coal.....				†
Lignite.....			4,100	†
Japan—				
Semi-anthracite and bituminous.....	37,466,000	†	†	†
Brown coal.....	107,000	†	†	†
Karafuto	2,042,383	2,495,528	†	†
Korea—				
Anthracite.....	1,035,240	2,311,000	†	†
Lignite.....	1,210,712	†	†	†
Manchuria	11,830,000	†	†	†
Philippine Islands	24,093	21,185	38,333	†
Turkey in Asia—				
Bituminous.....	2,262,345	2,270,435	2,519,000	2,650,000
Lignite.....	94,304	113,252	142,298	168,027
Total Foreign countries	1,120,000,000	1,200,000,000	1,120,000,000	.....
Grand Total	1,420,000,000	1,510,000,000	1,420,000,000	.....

*Data obtained from *The Mineral Industry of the British Empire and Foreign Countries*; information not available for 1940.

† Information not available.

(a) Includes about 6,000,000 tons of anthracite each year.

(b) United States Bureau of Mines estimate.

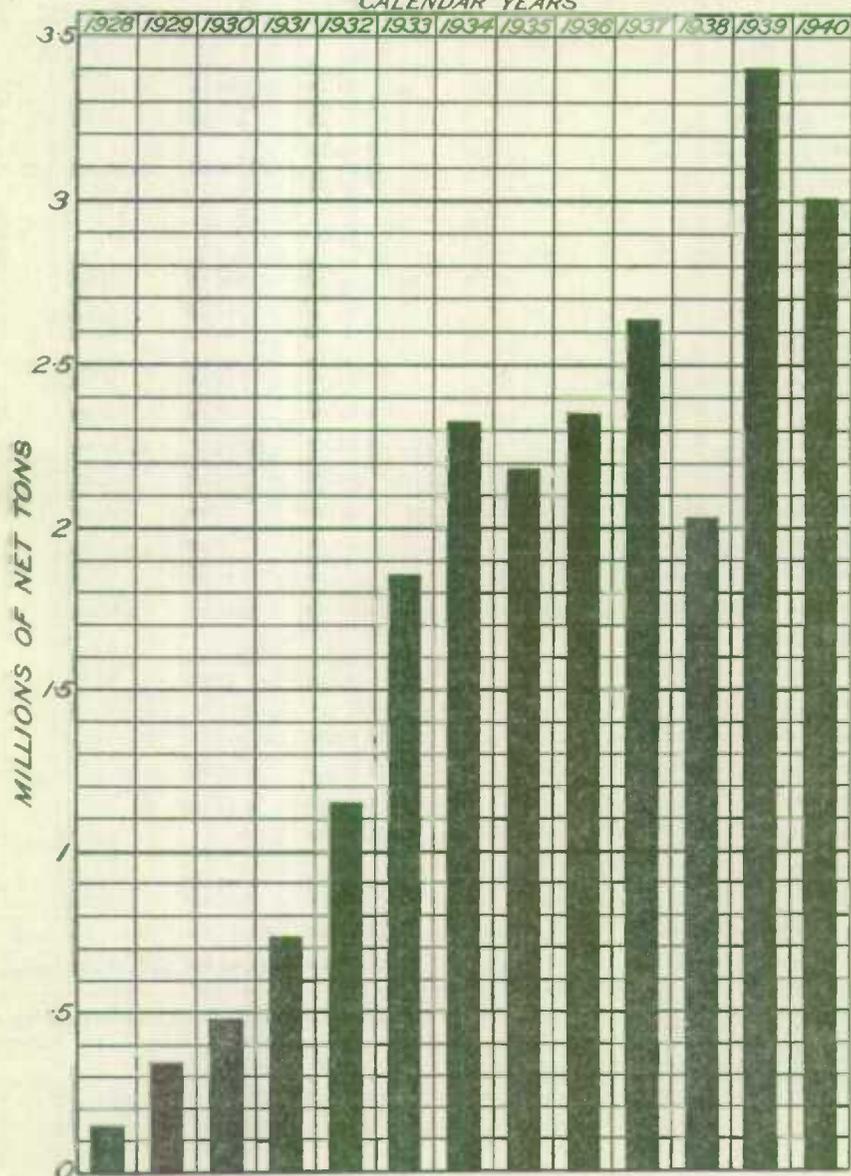
(c) Excluding production in government owned mines.

(d) January to February 17th, only, after which date production is included with that of Germany.

DOMINION FUEL BOARD

*Canadian coal moved
under assisted rates
1928-1940*

CALENDAR YEARS



	THOUSANDS OF NET TONS												
From-	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
N.S.	114	304	372	402	710	1,384	1,748	1,588	1,677	1,909	1,377	2,421	1,941
N.B.	—	—	—	—	1	1	10	14	21	41	32	54	59
ALTA.	32	37	89	204	238	260	323	339	364	324	323	528	740
SASK.	Nil	Nil	20	60	100	131	144	139	147	164	146	160	41
B.C.	Nil	Nil	Nil	66	99	80	98	102	143	200	153	241	227
Total	146	342	480	733	1,149	1,856	2,324	2,182	2,352	2,637	2,031	3,404	3,008

ALTA. INCLUDES CROWS NEST DISTRICT OF B.C.

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.

NOVA SCOTIA COAL TO QUEBEC AND ONTARIO

P.C. 3969—(December 5, 1939)

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 2789 of the 8th day of November, 1938, which authorizes assistance to the movement of coal mined in the Province of Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance authorized in the above mentioned Order in Council P.C. 2789, which provides assistance for the movements of Nova Scotia coal under certain conditions.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 2789 of November 8, 1938, together with amendments thereto, be hereby rescinded and that:

(1) Movements of coal mined in the Province of Nova Scotia 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) With respect to coal mined in the Province of Nova Scotia and transported *wholly by rail* to points in the Province of Quebec, (excluding the City of Hull, points on the Quebec and Lake St. John Railway, the Murray Bay line of the Canadian National Railways and points on the railways east of Levis and the Quebec Terminals) for use by consumers other than the railways, the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment.

(3) With respect to coal mined in the Province of Nova Scotia and transported *wholly by rail* 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 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 the said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton, the amount of the said reduction being payable to the railways.

(4) 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 Hull, Timiskaming and Gatineau 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 from the port of Montreal; provided that the amount of the said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton, the amount of the said reduction being payable to the railways.

(5) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to any points situated West of the Island of Montreal, for use by consumers other than the railways, the assistance granted shall be the same amount as that provided for rail movements as authorized in the preceding section (4) hereof; provided the amount of the said assistance shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton, the amount of the said assistance being payable to the coal mine operators or distributors of the said coal.

(6) With respect to coal mined in the Province of Nova Scotia and carried by *water transportation* to any points situated West of the Island of Montreal under 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 the said reduction shall in no instance exceed fifty cents (50c.) per net ton, the amount of the said reduction being payable to the railways.

- (7) With respect to coal mined in the Province of Nova Scotia and purchased by railway companies for their own use at points in the Province of Ontario, payments may 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 Province of Nova Scotia and the laid-down cost at the same points of imported coal that would otherwise be used; provided that the amount of the said assistance shall in no instance exceed two dollars and fifty cents (\$2.50) per net ton, and 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) The assistance shall apply only on shipments of coal from coal mines or coal properties operating under legal permit and shipping coal prior to December 31, 1930.
- (9) The assistance shall not apply on shipments of less than carload lots.
- (10) The assistance shall not be granted to those otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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 may make such examination thereof as shall be considered necessary or expedient.
- (11) The Minister of Mines and Resources be given the right to refuse approval in each and every application for assistance under this authority.
- (12) 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 and Resources as to the amounts paid under this Order in Council each year during the said period.
- (13) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Orders in Council P.C. 2789 of November 8, 1933, and P.C. 1166 of May 22, 1939, shipments shall be continued under the authority of these acceptances until completed.

P.C. 2356 (June 3, 1940)

The Committee of the Privy Council have had before them a report, dated 7th May, 1940, from the Minister of Mines and Resources, referring to Order in Council P.C. 3969, dated December 5th, 1939, authorizing assistance to the movement of coal mined in the Province of Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Minister states that he is advised that owing to the requirements of the British Shipping Board for war purposes, it has not been possible for coal mine operators in Nova Scotia to obtain sufficient shipping to transport the normal quantities of Nova Scotia coal to the Montreal Terminals during the current season of navigation;

That it is, consequently, necessary for the operators to supplement the limited water movements by an all-rail movement at considerably increased cost;

That though, for most localities, the terms of the said Order in Council P.C. 3969 of December 5th, 1939, provide assistance rates which closely represent the competition currently encountered by Nova Scotia coal in the Provinces of Ontario and Quebec, there is a limited number of points in the said provinces for which the terms of the said P.C. 3969 are not sufficiently flexible to cover the competitive conditions.

The Minister, therefore, recommends that, in order to rectify a temporary situation resulting from the exigencies of war and to provide a limited flexibility to the terms of the said Order in Council P.C. 3969 of December 5th, 1939, and notwithstanding the terms of the said Order in Council, the Dominion Fuel Board:—

- (1) Be authorized to determine the difference in amount per net ton between the laid-down cost of Nova Scotia coal at points of consumption in Quebec and Ontario within the areas specified in Order in Council P.C. 3969 of December 5, 1939, and the laid-down cost at the same points of United States coal.
- (2) Be empowered to apply special temporary increased rates of assistance up to the amount of the difference in cost, but not in excess of \$2.00 per net ton, when due to competitive disadvantages, the Nova Scotia coal is unable to secure the market with the assistance provided by the said Order in Council P.C. 3969 of December 5, 1939.
- (3) Be empowered to apply special temporary reduced rates of assistance equivalent to the amount of the difference in cost, when it is apparent that the rates of assistance provided under Order in Council P.C. 3969 of December 5, 1939, are in excess of those necessary to enable the Nova Scotia coal to secure the market.

Provided that:—

- (a) The rates of assistance previously set out and authorized under the terms of the said Order in Council P.C. 3969 of December 5, 1939, be reinstated immediately competitive conditions warrant.
- (b) Any special temporary rates of assistance authorized as above shall be in lieu of the rates of assistance which would otherwise apply in the terms of the said Order in Council P.C. 3969 of December 5, 1939.
- (c) Rates of assistance on all movements not covered by the special rates of assistance determined as before mentioned shall continue to be in accordance with the terms of the said Order in Council P.C. 3969 of December 5, 1939, which remains otherwise in full force.
- (d) The special temporary increased rates of assistance as authorized in Section (2) above shall be effective from April 1, 1940.
- (e) The special temporary reduced rates of assistance as authorized in Section (3) above shall become effective at future dates to be specified by the Dominion Fuel Board.

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

P.C. 5463 (October 9, 1940)

The Committee of the Privy Council have had before them a report dated 3rd October, 1940, from the Minister of Mines and Resources, referring to the Minute of Council P.C. 3969 approved December 5, 1939 authorizing assistance on coal mined in the Province of Nova Scotia and shipped to consuming points in the Provinces of Quebec and Ontario.

The Minister states that he is advised that owing to the limited supply of shipping made available for the St. Lawrence trade by the British Ministry of shipping it has not been possible for the railways to arrange for the movement of sufficient Nova Scotia coal by water to St. Lawrence depots.

That it is consequently necessary to supplement the water shipments by all rail movements from the mines to Levis and Quebec, P.Q., and by movements via Portland or Searsport, Maine to Montreal terminals.

Section (7) of Order in Council P.C. 3969 reads as follows:—

"With respect to coal mined in the Province of Nova Scotia and purchased by railway companies for their own use at points in the Province of Ontario, payments may 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 Province of Nova Scotia and the laid-down cost at the same points of imported coal that would otherwise be used; provided that the amount of the said assistance shall in no instance exceed two dollars and fifty cents (\$2.50) per net ton, and 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."

The Minister recommends that the said Section (7) be hereby amended to read as follows:—

"With respect to coal mined in the Province of Nova Scotia and purchased by railway companies for their own use at the localities specified hereunder payments may 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 Province of Nova Scotia and the laid-down cost at the same points of imported coal that would otherwise be used, subject to the qualifications noted in subsections (a), (b), (c) and (d).

- (a) Assistance shall be available at any point in the Province of Ontario but shall in no instance exceed two dollars and fifty cents (\$2.50) per net ton.
- (b) Assistance shall be available at the Quebec City Terminals and at Levis, Quebec for coal moved entirely by rail from mines to destination but shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton.
- (c) Assistance shall be available at the Montreal Terminals for coal moved by boat from Nova Scotia to Portland or SearSPORT, Maine, U.S.A., and thence transported by rail to the above mentioned terminals, but shall in no instance exceed seventy five cents (75c.) per net ton.
- (d) For the purpose of this Order in Council the said differences of laid-down costs shall be determined by the Dominion Fuel Board.

The Minister further recommends that assistance made available under the provisions hereof shall be payable on movements on and after October 1, 1940.

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

NEW BRUNSWICK COAL TO QUEBEC AND ONTARIO P.C. 1861

The Committee of the Privy Council have had before them a report, dated July 28, 1936, from the Minister of Mines, with reference to an Order in Council P.C. 951 of May 30, 1933, which authorizes assistance to the movement of coal mined in the Province of New Brunswick and shipped to consuming points in the Provinces of Quebec and Ontario.

The Committee submit that the importance of an extension of the market for Canadian coal is appreciated and that the Government is willing to facilitate this by granting financial assistance to the Canadian coal industry under conditions described hereunder.

The Committee, therefore, on the recommendation of the Minister of Mines, advise that the said Order in Council P.C. 951 of May 30, 1933, be hereby rescinded and that:—

- (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) With respect to coal mined in the Province of New Brunswick and transhipped wholly by rail to points in the Province of Quebec, excluding points on the Quebec and Lake St. John Railway, the Murray Bay line of the Canadian National Railways and points on the railways east of Levis and the Quebec terminals (for use by consumers other than the railways), the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment. The amount of the said reduction being payable to the railways.
- (3) With respect to coal mined in the Province of New Brunswick 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 a reduction of one-sixth of one cent per ton per mile from existing rail rates, provided that the amount of the said reduction shall in no instance exceed one dollar and fifty cents (\$1.50) per net ton.
- (4) With respect to coal mined in the Province of New Brunswick and purchased by the 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 Province of New Brunswick and the laid-down cost at the same points of imported coal that would otherwise be used, up to a maximum of two dollars (\$2.00) 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.
- (5) The assistance shall not apply on shipments of less than carload lots.
- (6) The assistance shall apply only on shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
- (7) 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 may make such examination thereof as may be considered necessary or expedient.
- (8) The Minister of Mines be given the right to refuse approval in each and every application for assistance under this authority.
- (9) 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.
- (10) With respect to acceptances issued by the Dominion Fuel Board under authority of Order in Council P.C. 951 of May 30, 1933, which are still in effect, shipments shall be continued under the authority of these acceptances for a period of sixty days from the date of this Order in Council.

SASKATCHEWAN COAL TO MANITOBA AND WESTERN ONTARIO P.C. 3972—(December 5, 1939)

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 895 of the 9th day of April, 1936, which authorizes assistance to coal mined in the Province of Saskatchewan and shipped to points in the Province of Manitoba.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to curtail the present rates of assistance authorized in the above mentioned Order in Council P.C. 895 which provides assistance to coal mined in the Province of Saskatchewan.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 895 of April 9, 1936, be hereby rescinded and that:—

- (1) Coal mined in the Province of Saskatchewan and shipped to points in the Provinces of Manitoba and 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 Ontario for use by consumers other than the railways, the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed one dollar (\$1.00) per net ton, the amount of the said reduction being payable to the railways.

- (3) With respect to coal mined in the Province of Saskatchewan and purchased by railway companies for their own use at points in the Provinces of Manitoba and Ontario, east of and including Carrick, Decimul and Eagle River, the assistance granted shall be by a thirty per cent (30%) reduction of the freight rate in effect at the time of shipment, provided that the amount of the said reduction shall in no instance exceed one dollar (\$1.00) per net ton, the amount of the said reduction being payable to the railways.
- (4) The assistance shall apply only on shipments of coal from coal mines or coal properties operating under legal permit and shipping coal prior to December 31, 1930.
- (5) The assistance shall not apply on shipments of less than carload lots.
- (6) The assistance shall not be granted to those otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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 may make such examination thereof as shall be considered necessary or expedient.
- (7) The Minister of Mines and Resources be given the right to refuse approval in each and every application for assistance under this authority.
- (8) 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 and Resources as to the amounts paid under this Order in Council each year during the said period.
- (9) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Order in Council P.C. 895 of April 9, 1936, shipments shall be continued under authority of these acceptances until completed.

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 16th 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.

P.C. 3286—(January 4, 1939)

The Committee of the Privy Council, on the recommendation of the Minister of Mines and Resources, advise that Section (1) of the Minute of Council, P.C. 740, approved 24th April, 1933—which provides assistance to coal mined in the Province of Alberta and shipped to certain points in the Province of Ontario—reading as follows:

(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,"

(1) "That movements of coal mined in the Province of Alberta and in the Crow's Nest Pass district of British Columbia 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".

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

P.C. 3970—(December 5, 1939)

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council P.C. 894 of the 9th day of April, 1936, which authorizes assistance to the movement of coal mined in the Province of Alberta and in the Crow's Nest Pass District of the Province of British Columbia and shipped to consuming points in the Provinces of Manitoba and Ontario.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance and the areas to which this coal is shipped, as authorized in the above mentioned Order in Council P.C. 894, which provides assistance for the movements of Alberta and Crow's Nest Pass coal of British Columbia under certain conditions.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 894 of April 9, 1936, be hereby rescinded and that:—

- (1) Movements of coal mined in the Province of Alberta and in the Crow's Nest Pass District of British Columbia and shipped to points in the Provinces of Manitoba and Ontario, be assisted by payments out of such sums as may be provided by Parliament from year to year for that purpose.

1. 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 Ontario for use by consumers other than the railways which have connections with the coal fields, the assistance granted shall be by a reduction of thirty per cent (30%) of the tariff freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed two dollars (\$2.00) per net ton, the amount of the said reduction being payable to the railways.
- (3) With respect to coal mined in the Province of Alberta and in the Crownsnest Pass District 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 Carriak, Decimad and Eagle River, the assistance granted shall be a reduction of thirty per cent (30%) of the tariff freight rate in effect at the time of shipment; provided that the amount of the said reduction shall in no instance exceed two dollars (\$2.00) per net ton, the amount of the said reduction being payable to the railways.
- (4) The assistance shall apply only on shipments of coal from coal mines or coal properties operating under legal permit and shipping coal prior to December 31, 1930.
- (5) The assistance shall not apply on shipments of less than carload lots.
- (6) The assistance shall not be granted to those otherwise eligible to participate who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this movement; and that for the purpose of certifying such information the Minister of Mines and Resources 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 may make such examination thereof as shall be considered necessary or expedient.
- (7) The Minister of Mines and Resources be given the right to refuse approval in each and every application for assistance under this authority.
- (8) 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 and Resources as to the amounts paid under this Order in Council each year during the said period.
- (9) With respect to acceptances still in effect, issued by the Dominion Fuel Board under authority of Order in Council P.C. 894 of April 9, 1936, shipments shall be continued under the authority of these acceptances until completed.

BRITISH COLUMBIA COAL FOR BUNKER AND EXPORT

P.C. 3971—(December 5, 1939)

The Committee of the Privy Council have had before them a report, dated 27th November, 1939, from the Acting Minister of Mines and Resources, with reference to an Order in Council, P.C. 1122 of the 28th day of May, 1934, which authorizes assistance to coal mined in the Province of British Columbia and sold as fuel for ships' stores or for export to foreign countries.

The Government, realizing the necessity for the strictest economy in all matters of expenditure, proposes to reduce the present rates of assistance authorized in the above mentioned Order in Council P.C. 1122, which provides assistance to coal mined in the Province of British Columbia.

The Committee, therefore, on the recommendation of the Acting Minister of Mines and Resources, advise that the said Order in Council P.C. 1122 of May 28, 1934, be hereby rescinded and that:—

- (1) Coal mined in the Province of British Columbia and sold for ships' stores or for export to foreign countries 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 British Columbia and sold for fuel as ships' stores, the assistance granted shall be the sum of seventy-five cents (75c.) per net ton, the amount of the said assistance being payable to the coal mine operators or coal distributors, provided:
- (a) The assistance provided on coal sold for ships' stores shall apply only on coal sold for use by vessels navigating entirely in salt water and not for use by vessels operating on inland lakes of British Columbia.
- (3) 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 (\$1.00) per net ton, the amount of the said assistance being payable to the coal mine operator or coal distributor, provided:
- (a) The assistance provided on coal sold for export shall apply to coal exported for consumption in foreign countries other than the United States of America or its territorial possessions.
- (4) The assistance shall apply only on shipments of coal from coal mines or coal properties which were operating under legal permit and shipping coal prior to December 31, 1930.
- (5) That the assistance shall not be granted to those applying who refuse or fail to furnish such information as the Minister of Mines and Resources may consider necessary in the administrative duties connected with this assistance; and that for the purpose of certifying such information the Minister of Mines and Resources 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.
- (6) The Minister of Mines and Resources be given the right to refuse approval in each and every application for assistance under this authority.
- (7) The Dominion Fuel Board be charged with the duty of administering this Order in Council and shall report to the Minister of Mines and Resources as to the amounts paid under the provisions thereof each year.
- (8) The authority herein provided shall become effective the first day of January, 1940.

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