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Preliminary Review of the Coal Mining Industry, 1969  
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The production tables in this bulletin are revised from former years. The current concept of production excludes material placed on the waste heap but includes coal reclaimed from the waste heap. The value of production has been increased accordingly i.e. to include value of coal reclaimed from waste heap, since coal sent to waste has always been shown as having a 'nil' value.

The production of coal in Canada for 1969 amounted to 10,671,879 tons, 2.9 per cent less than the total of 10,989,007 tons produced in 1968. The decrease was due mainly to a 15.4 per cent decline in the production of bituminous coal in Nova Scotia and New Brunswick, and 10.2 per cent decline in the production of lignite coal in Saskatchewan. The Nova Scotia production of 2,621,330 tons decreased 16.3 per cent while the New Brunswick production of 701,952 tons declined 12.0 per cent from the 1968 figure. These declines were partly offset by a 29.5 per cent increase in Alberta and 1.4 per cent increase in British Columbia bituminous coals, and a 7.6 per cent rise in Alberta sub-bituminous coal.

Bituminous coal accounted for 51.1 per cent of the 1969 production with Alberta sub-bituminous and Saskatchewan lignite accounting for 30.0 per cent and 18.9 per cent respectively.

The value of production f.o.b. mines, excluding subvention payments but including value of coal reclaimed from waste heap, was \$50,578,283 in 1969, down 6.3 per cent from the previous year's comparable value of \$53,969,558. The 1969 subvention payments totalled \$5,638,569 as compared to \$12,810,896 in 1968. The difference is accounted for in Nova Scotia and New Brunswick where some of the major mines do not now receive subvention grants. These figures represent the total subvention aid paid during the year and hence they include adjustments for coal shipped in previous years. The 1969 subvention payments include an amount of \$401,455, which although paid in 1970, refers to 1969 operations of a Nova Scotia mine ceasing production at the end of 1969. Salaries and wages accounted for 78.0 per cent of the value of production excluding subvention assistance.

The value of production of bituminous coal ranged from a low of \$6.39 per ton in Alberta through \$6.82 per ton in British Columbia, \$8.05 per ton in New Brunswick to a high of \$8.31 per ton in Nova Scotia. Increases in 1969 unit value of production of bituminous coal over similar 1968 figures were \$0.29 in Nova Scotia and \$0.92 in British Columbia, while the unit value declined by \$1.14 in New Brunswick and \$0.85 in Alberta during the same period. Value of production of Alberta sub-bituminous coal averaged \$1.69 per ton, down \$0.07 from the 1968 figure, while the average value of production of Saskatchewan lignite decreased \$0.01 per ton to \$1.84.

Exports of Canadian coal decreased 4.8 per cent to 1,377,872 tons in 1969. The value of exports dropped 42.2 per cent to \$9,451,000 due to a revised concept of the evaluation of coal by Customs in 1969; exports of coal are now valued f.o.b. mines and exclude transportation costs, etc. Eighty-four per cent of the exported coal was shipped to Japan.

Landed imports (which include coal at Customs' ports awaiting clearance) amounted to 17,185,903 tons in 1969, a decrease of 0.8 per cent over 1968.

Approximately 92 per cent of the imported coal was cleared through Ontario ports with Quebec and Nova Scotia accounting for most of the remainder. Ninety-seven per cent of the imported coal was United States bituminous.

Sales of coal and coke by retail fuel dealers dropped from 1,079,136 tons in 1968 to 893,896 tons in 1969, a decrease of 17.2 per cent.

Consumption of coal by industrial consumers decreased 1.1 per cent to 16,881,129 tons in 1969 from 17,071,069 tons the previous year. There was a decrease in the consumption of coke by industrial consumers from 6,002,789 tons in 1968 to 5,521,516 tons in 1969.

Stocks of coal and coke by retail fuel dealers declined from 282,326 tons in 1968 to 198,941 tons in 1969. However, stocks of coal held by industrial consumers increased slightly from 6,518,537 tons to 6,520,247 tons during the same period. Coal coke stocks held by industrial consumers decreased from 123,508 tons to 109,376 tons in 1969. Total stocks of coal in Canada increased approximately 24,000 tons during the year to about 10,392,000 tons as of December 31, 1969. Total stocks of coke increased by approximately 145,000 tons to 453,000 tons during the same period.

In 1969 there were 6,923,848 tons of bituminous coal charged to ovens to manufacture 5,002,275 tons of coke compared with 7,389,606 tons of coal used to make 5,310,762 tons of coke in 1968. Ninety-one per cent of the coal used to manufacture coke was imported bituminous.

A total of 6,670 employees worked 1,560,790 man-days for wages and salaries of \$39,457,632 in 1969. Approximately 62.3 per cent of the employees' salaries and wages was accounted for by Nova Scotia.

TABLE 1. Principal Statistics for the Coal Mining Industry, 1967-1969

Basis: Revised Standard Industrial Classification and New Establishment Concept

	Estab- lish- ments	Mining activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of produc- tion(3)	Value added	Working owners and partners		Employees(1)		Value added
		Number(2)	Man- hours paid	Wages					Number	With- drawals	Number(2)	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
Nova Scotia .....	7	3,946	7,205	21,890	1,761	13,559	32,396	17,076	-	-	4,983	28,619	17,099
New Brunswick .....	3	439	966	2,257	491	2,048	6,176	3,637	-	-	476	2,570	3,628
Saskatchewan .....	3	113	225	760	149	570	4,197	3,478	-	-	134	934	3,470
Alberta .....	27	987	1,840	6,605	855	2,655	15,512	12,002	-	-	1,210	8,679	11,800
British Columbia ..	2	381	760	2,665	248	911	7,049	5,890	-	-	568	3,936	5,816
Yukon .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada 1969 .....	42	5,866	10,996	34,177	3,504	19,743	65,330	42,083	-	-	7,371	44,738	41,813
Canada 1968 .....	49	6,903	12,807	37,066	3,368	19,836	72,191	48,988	-	-	8,427	46,918	49,081
Canada 1967 .....	63	7,368	14,193	36,807	3,361	14,734	91,375	73,280	-	-	8,981	46,288	73,468

(1) Comprises production and related workers, salaried employees at the mine, and Head Office and other employees located elsewhere than at the mine.

(2) Number here is an average of those employed during the year and therefore differs from the data in other tables.

(3) Value of production includes subvention payments to mines, but excludes the value of coal used at the mines, etc.



TABLE 2. Production(1) of Coal, by Kinds and by Provinces, 1968 and 1969

Province and kind of coal	1968			1969		
	Number of mines	Short tons	Value at mines(2) \$	Number of mines	Short tons	Value at mines(2) \$
Nova Scotia - Bituminous .....	7	3,131,745	25,111,400	7	2,621,330	21,780,974
New Brunswick - Bituminous .....	8	797,359	7,330,396	3	701,952	5,649,611
Saskatchewan - Lignite .....	3	2,250,219	4,164,841	3	2,020,105	3,726,698
Alberta:						
Bituminous .....	5	950,564	6,880,845	5	1,231,108	7,866,351
Sub-bituminous .....	23	2,969,556	5,237,457	22	3,194,952	5,403,341
Totals .....	28	3,920,120	12,118,302	27	4,426,060	13,269,692
British Columbia - Bituminous .....	3	889,564	5,244,619	2	902,432	6,151,308
Yukon - Bituminous .....	-	-	-	-	-	-
Canada:						
Bituminous .....	23	5,769,232	44,567,260	17	5,456,822	41,448,244
Sub-bituminous .....	23	2,969,556	5,237,457	22	3,194,952	5,403,341
Lignite .....	3	2,250,219	4,164,841	3	2,020,105	3,726,698
Totals .....	49	10,989,007	53,969,558	42	10,671,879	50,578,283

(1) Production data includes amounts reclaimed from waste heap and excludes amounts sent to waste heap.

(2) Value at mines excludes subvention payments, but includes value of coal reclaimed from waste heap.

TABLE 3. Summary of Coal Statistics for 1969 - Production, Exports, Interprovincial Shipments, Landed Imports,(1) by Provinces and by Kinds

Province	Canadian coal				Imported coal
	Production	Received from mines in other provinces	Mine shipments		From U.S.A.
			To other provinces short tons	For export	
Newfoundland:					
Bituminous .....	...	20,872	...	...	8,278
Prince Edward Island - Bituminous .....	...	13,906	...	...	-
Nova Scotia - Bituminous .....	2,621,330	-	1,130,218	3,583	531,560
New Brunswick:					
Anthracite .....	-	-	-	-	878
Bituminous .....	701,952	80,998	96,394	163,089	1,524
Totals .....	701,952	80,998	96,394	163,089	2,402
Quebec:					
Anthracite .....	...	-	...	...	356,944
Bituminous .....	...	745,577	...	...	458,330
Totals .....	...	745,577	...	...	815,274
Ontario:(2)					
Anthracite .....	...	-	...	...	152,532
Bituminous .....	...	402,562	...	...	15,675,301
Sub-bituminous .....	...	1,902	...	...	-
Lignite .....	...	129,056	...	...	-
Totals .....	...	533,520	...	...	15,827,833
Manitoba:					
Bituminous .....	...	121,810	...	...	296
Sub-bituminous .....	...	67,479	...	...	-
Lignite .....	...	367,513	...	...	-
Totals .....	...	556,802	...	...	296

See footnotes at end of table.

TABLE 3. Summary of Coal Statistics for 1969 - Production, Exports, Interprovincial Shipments, Landed Imports, (1)  
by Provinces and by Kinds - Concluded

Province	Canadian coal				Imported coal
	Production	Received from mines in other provinces	Mine shipments		From U.S.A.
			To other provinces short tons	For export	
Saskatchewan:					
Anthracite .....	-	-	-	-	30
Bituminous .....	-	-	-	-	-
Sub-bituminous .....	-	71,480	-	-	-
Lignite .....	2,020,105	-	496,569	12,381	-
Totals .....	2,020,105	71,480	496,569	12,381	30
Alberta:					
Bituminous .....	1,231,108	192	94,382	902,420	-
Sub-bituminous .....	3,194,952	-	202,139	-	-
Totals .....	4,426,060	192	296,521	902,420	-
British Columbia:					
Anthracite .....	-	-	-	-	4
Bituminous .....	902,432	82,505	147,428	363,765	226
Sub-bituminous .....	-	61,278	-	-	-
Totals .....	902,432	143,783	147,428	363,765	230
Yukon - Bituminous .....	-	-	-	-	-
Canada:					
Anthracite .....	-	-	-	-	510,388
Bituminous .....	5,456,822	1,468,422	1,468,422	1,432,857	16,675,515
Sub-bituminous .....	3,194,952	202,139	202,139	-	-
Lignite .....	2,020,105	496,569	496,569	12,381	-
Totals .....	10,671,879	2,167,130	2,167,130	1,445,238	17,185,903

(1) Direct imports into each province.

(2) Includes Head of Lakes.

... Figures not appropriate or not applicable.

Note: In addition to the above, 13,002 tons of briquettes were imported from the United States.

TABLE 4. Employees, Salaries and Wages, Number of Man-days worked in the Coal Mines,  
by provinces, 1968 and 1969

Province	Number of man-days worked			Average number of employees				Salaries and wages		
	Strip mining	Under-ground mining	Total	Salaried employees	Wage-earners		Total	Salaries	Wages	Total
					Strip mining	Under-ground mining				
1968	number							dollars		
Nova Scotia .....	-	1,202,892	1,202,892	418	-	4,893	5,311	2,408,320	25,699,481	28,107,801
New Brunswick .....	133,031	48,456	181,487	61	392	189	642	335,832	2,781,941	3,117,773
Saskatchewan .....	37,349	-	37,349	24	122	-	146	185,660	844,217	1,029,877
Alberta .....	62,708	187,293	250,001	154	214	704	1,072	1,005,157	5,263,475	6,268,632
British Columbia .....	19,698	100,546	120,244	96	78	324	498	487,422	2,478,036	2,965,458
Yukon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	252,786	1,539,187	1,791,973	753	806	6,110	7,669	4,422,391	37,067,150	41,489,541
1969										
Nova Scotia .....	-	995,087	995,087	415	-	3,952	4,367	2,672,802	21,889,853	24,562,655
New Brunswick .....	98,484	33,603	132,087	38	292	134	464	241,561	2,257,383	2,498,944
Saskatchewan .....	34,048	-	34,048	23	113	-	136	174,125	760,326	934,451
Alberta .....	67,055	206,229	273,284	174	233	790	1,197	1,703,221	6,605,407	8,308,628
British Columbia .....	20,210	106,074	126,284	124	74	308	506	487,980	2,664,974	3,152,954
Yukon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	219,797	1,340,993	1,560,790	774	712	5,184	6,670	5,279,689	34,177,943	39,457,632

Note: Data on administrative and office employees and their earnings refer only to those employed at the mines.

TABLE 5. Supply and Demand of Coal for years 1959-69

No.		1959	1960	1961
		short tons		
	<u>Supply</u>			
	Domestic production(1):			
1	Bituminous .....	6,867,966	7,097,666	6,750,684
2	Sub-bituminous .....	1,720,649	1,520,467	1,323,046
3	Lignite .....	1,924,926	2,158,200	2,262,049
4	Totals .....	10,513,541	10,776,333	10,335,779
	Landed imports:			
5	Anthracite .....	1,456,366	1,199,809	985,217
6	Bituminous .....	12,147,655	11,090,245	11,147,232
7	Totals .....	13,604,021	12,290,054	12,132,449
8	Total inventory change(2) .....	- 1,066,993	- 267,102	- 265,166
9	Total coal available .....	25,184,555	23,333,489	22,733,394
	<u>Demand</u>			
	Industrial consumption:			
10	Electric utilities .....	1,419,122	1,846,149	2,253,398
11	Mining .....	355,095	310,579	236,215
12	Manufacturing .....	8,439,373	7,953,217	7,452,013
13	Totals .....	10,213,590	10,109,945	9,941,626
14	Retail sales .....	5,611,251	4,615,323	4,026,780
15	Railways for own consumption .....	1,197,406	655,418	476,752
16	Ship's bunker for own consumption .....	306,516	306,494	252,111
17	Government and Institutional consumption .....	295,000	307,000	320,000
18	Totals .....	7,410,173	5,884,235	5,075,643
	Coal mine disposition:			
19	Used in colliery boilers, shops, railway .....	124,249	102,219	66,589
20	Sold to employees .....	141,899	122,230	125,329
21	Sold direct to domestic consumers (less employees) .....	709,369	635,740	697,554
22	Total disposition mines .....	975,517	860,189	889,472
	Exports:			
23	United Kingdom .....	-	6,632	-
24	United States .....	273,912	241,892	249,504
25	Japan .....	190,722	604,397	685,263
26	St. Pierre .....	9,134	-	4,569
27	Other .....	-	-	-
28	Totals .....	473,768	852,921	939,336
29	Coal used for manufacture of coke(4) .....	5,654,781	5,288,217	5,330,542
30	Total reported consumption .....	24,727,829	22,995,507	22,176,619
31	Unaccounted for .....	456,726	337,982	556,775
32	Total demand .....	25,184,555	23,333,489	22,733,394

(1) Revised production includes coal reclaimed from waste heap, but excludes material put on waste heap.

(2) Includes docks.

(3) Total as reported by industrial consumers.



TABLE 5. Supply and Demand of Coal for years 1959-69

1962	1963	1964	1965	1966	1967	1968	1969	No.
short tons								
6,440,986	6,942,695	7,101,541	6,841,752	6,518,211	6,491,051	5,769,232	5,456,822	1
1,528,709	1,648,726	2,097,533	2,545,143	2,577,369	2,653,297	2,969,556	3,194,952	2
2,246,923	1,860,202	2,020,237	2,113,174	2,084,293	1,996,986	2,250,219	2,020,105	3
10,216,618	10,451,623	11,219,311	11,500,069	11,179,873	11,141,334	10,989,007	10,671,879	4
851,668	807,375	626,979	623,510	582,308	551,023	469,447	510,388	5
11,469,709	13,933,073	14,111,563	15,646,223	15,748,406	15,261,425	16,853,521	16,675,515	6
12,321,377	14,740,448	14,738,542	16,269,733	16,330,714	15,812,448	17,322,968	17,185,903	7
- 775,148	+ 363,672	- 65,008	+ 708,298	+ 991,698	+ 629,099	- 452,819	+ 24,580	8
23,313,143	24,828,399	26,022,861	27,061,504	26,518,889	26,324,683	28,764,794	27,833,202	9
3,725,005	5,150,179	6,264,520	7,721,714	7,878,780	9,113,373	11,098,800	11,873,750	10
195,803	186,739	179,355	153,091	141,539	136,422	..	..	11
6,778,062	6,898,975	7,228,518	7,435,269	6,996,985	6,388,307	..	..	12
10,698,870	12,235,893	13,672,393	15,310,074	15,017,304	15,638,102	17,071,069(3)	16,881,129(3)	13
3,540,615	3,087,777	2,627,714	2,062,186	1,733,732	1,349,261	1,062,570	878,477	14
386,834	324,513	283,418	223,000	211,801	162,537	132,042	132,321	15
246,524	261,369	317,780	343,119	410,222	334,396	179,768	229,181	16
279,000	231,000	203,000	183,000	169,000	176,000	173,000	169,000	17
4,452,973	3,904,659	3,431,912	2,811,305	2,524,755	2,022,194	1,547,380	1,408,979	18
47,262	52,257	53,222	50,289	46,314	38,653	35,253	36,174	19
124,038	117,189	119,214	118,147	102,176	99,079	87,794	73,780	20
654,480	615,187	618,003	633,375	518,610	459,451	382,863	354,305	21
825,780	784,633	790,439	801,811	667,100	597,183	505,910	464,259	22
50	-	-	-	58	-	-	-	23
250,328	274,759	303,028	198,020	167,148	169,361	172,043	215,821	24
639,040	772,470	984,846	1,023,134	1,059,502	1,167,055	1,273,222	1,155,618	25
4,501	7,138	3,790	4,825	2,097	1,929	1,588	2,519	26
-	-	-	15	15	8	159	3,914	27
893,919	1,054,367	1,291,664	1,225,994	1,228,820	1,338,353	1,447,012	1,377,872	28
5,452,320	5,842,253	6,023,035	6,058,470	6,044,289	5,987,575	7,522,715	7,018,322	29
22,323,862	23,821,805	25,209,443	26,207,654	25,482,268	25,583,407	28,094,086	27,150,561	30
989,281	1,006,594	813,418	853,850	1,036,621	741,276	670,708	682,641	31
23,313,143	24,828,399	26,022,861	27,061,504	26,518,889	26,324,683	28,764,794	27,833,202	32

(4) Charged to ovens plus incidental coke plant consumption.

.. Figures not available.

TABLE 6. Subvention Payments to Coal Operators and Others, by Provinces, 1968 and 1969

Province and kind of coal	1968			1969		
	Subvention payments			Subvention payments		
	Coal operators	Others	Total	Coal operators	Others	Total
	dollars			dollars		
Nova Scotia - Bituminous ....	6,097,217	33,357	6,130,574	1,635,782(1)	-	1,635,782(1)
New Brunswick - Bituminous ..	2,818,673	-	2,818,673	537,609	-	537,609
Saskatchewan - Lignite .....	-	132,960	132,960	-	99,491	99,491
Alberta:						
Bituminous .....	2,229,710	59,163	2,288,873	2,194,746	42,050	2,236,796
Sub-bituminous .....	-	8,444	8,444	-	6,223	6,223
Totals .....	2,229,710	67,607	2,297,317	2,194,746	48,273	2,243,019
British Columbia - Bituminous	1,221,968	209,404	1,431,372	1,013,069	109,599	1,122,668
Yukon - Bituminous .....	-	-	-	-	-	-
Canada:						
Bituminous .....	12,367,568	301,924	12,669,492	5,381,206	151,649	5,532,855(1)
Sub-bituminous .....	-	8,444	8,444	-	6,223	6,223
Lignite .....	-	132,960	132,960	-	99,491	99,491
Totals .....	12,367,568	443,328	12,810,896	5,381,206(1)	257,363	5,638,569(1)

(1) Includes an amount of \$401,455, which although paid in 1970, refers to 1969 operations of a Nova Scotia mine ceasing production at the end of 1969.

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