

Nova Scotia Coal Fields.

Sydney Area.

Description.	Dominion Coal Co., Ltd.										
	Dominion No. 10 colliery, Glace Bay.					Dominion No. 12 colliery, Glace Bay.					
	M37			M237	M2037		M39			M2039	
Sample No.	R	AD	D	D	R	D	R	AD	D	R	D
Moisture condition (see note, p. 2).....	2-0	.....	.....	.....	.....	.....	1-3	.....	.....	.....	.....
Loss on air-drying..... ^{°C}	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Results obtained by.....	Calc.	Calc.	Anal.	Anal.	Calc.	Anal.	Calc.	Calc.	Anal.	Calc.	Anal.
Proximate analysis:—											
Moisture..... ^{°C}	3-9	1-9	.....	.....	4-1	.....	4-8	3-6	.....	4-3	.....
Ash..... ^{°C}	10-7	10-9	11-1	5-8	5-8	6-0	4-5	4-6	4-8	3-9	4-1
Volatile matter..... ^{°C}	33-7	34-4	35-1	36-9	34-0	35-5	35-5	35-9	37-3	35-5	37-1
Fixed carbon..... ^{°C}	51-7	52-8	53-8	57-3	56-1	58-5	55-2	55-9	57-9	56-3	58-
Ultimate analysis:—											
Carbon..... ^{°C}	70-4	71-9	73-3	78-5	76-0	79-3	73-9	74-8	77-6	76-9	80-4
Hydrogen..... ^{°C}	5-2	5-0	4-9	5-2	5-5	5-2	5-5	5-4	5-2	5-7	5-5
Ash..... ^{°C}	10-7	10-9	11-1	5-8	5-8	6-0	4-5	4-6	4-8	3-9	4-1
Sulphur..... ^{°C}	2-4	2-5	2-5	2-1	1-6	1-7	1-7	1-7	1-8	1-5	1-6
Nitrogen..... ^{°C}	1-2	1-2	1-2	1-3	1-1	1-2	1-5	1-5	1-6	1-5	1-5
Oxygen..... ^{°C}	10-1	8-5	7-0	7-1	10-0	6-6	12-9	12-0	9-0	10-5	6-9
Calorific value:—											
Calories per gram, gross....	7010	7150	7290	7710	.....	.....	7290	7380	7660	.....	.....
B. Th. U. per lb., gross....	12620	12870	13130	13880	.....	.....	13130	13290	13790	.....	.....
Fuel ratio.....	1-55	.....	.....	1-55	.....	1-65	.....	1-55	.....	.....	1-60
Carbon-Hydrogen ratio.....	13-6	14-3	14-9	15-1	13-9	15-2	13-5	13-9	15-0	13-4	14-6
Coking properties.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Location in mine.....	Emery seam.....			.....	Emery seam.....		Victoria seam.....			Victoria seam.....	
Kind of sample.....	Commercial—10 tons.....			.....	Commercial.....		Commercial—3 tons.....			Commercial.....	
Quality of coal.....	Over picking table.....			Washed coal from M37, yield, 89%.....	.....		Run-of-mine.....			.....	
Taken by.....	T. Denis, Mines Branch.....			.....	Mine authorities.....		T. Denis.....			Mine authorities.....	
Date of sampling.....	June 25, 1908.....			.....	Jan., 1909.....		June 27, 1908.....			Jan., 1909.....	