

Nova Scotia Coal Fields.

Sydney Area.

Description	Dominion Coal Co., Ltd.										
	Dominion No. 7 or Hub Colliery, Glace Bay.					Dominion No. 9 Colliery, Glace Bay.					
	M36			M236	M2036	M35			M2035		
Sample No.....	R	AD	D	D	R	D	R	AD	D	R	D
Moisture condition (see note, p. 2).....	0.9	.....	.....	.....	.....	.....	0.8	.....	.....	.....	.....
Loss on air-drying.....%	0.9	.....	.....	.....	.....	.....	0.8	.....	.....	.....	.....
Results obtained by.....	Calc.	Calc.	Anal.	Anal.	Calc.	Anal.	Calc.	Calc.	Anal.	Calc.	Anal.
Proximate analysis:—											
Moisture.....%	3.5	2.6	.....	.....	3.4	.....	2.4	1.6	.....	2.1	.....
Ash.....%	5.7	5.8	5.9	2.7	4.3	4.5	5.7	5.8	5.9	6.8	6.9
Volatile matter.....%	35.2	35.5	36.5	38.2	35.9	37.2	37.7	38.0	38.6	37.4	38.2
Fixed carbon.....%	55.6	56.1	57.6	59.1	56.4	58.3	54.2	54.6	55.5	53.7	54.9
Ultimate analysis:—											
Carbon.....%	74.1	74.7	76.8	80.0	75.6	78.2	75.2	75.8	77.0	74.4	76.0
Hydrogen.....%	5.2	5.2	5.0	5.2	5.4	5.2	5.4	5.3	5.2	5.3	5.2
Ash.....%	5.7	5.8	5.9	2.7	4.3	4.5	5.7	5.8	5.9	6.8	6.9
Sulphur.....%	2.3	2.3	2.4	2.0	2.8	3.0	3.6	3.7	3.8	3.7	3.7
Nitrogen.....%	1.6	1.6	1.6	1.7	1.5	1.5	1.5	1.5	1.5	1.3	1.4
Oxygen.....%	11.1	10.4	8.3	8.4	10.4	7.6	8.6	7.9	6.6	8.5	6.8
Calorific value:—											
Calories per gram, gross.....	7430	7500	7700	7950	.....	.....	7590	7660	7780	.....	.....
B. Th. U. per lb., gross.....	13370	13490	13860	14310	.....	.....	13670	13780	14010	.....	.....
Fuel ratio.....	1.60	.....	.....	1.55	1.55	.....	1.45	.....	.....	1.45	.....
Carbon-Hydrogen ratio.....	14.2	14.5	15.3	15.4	13.9	15.0	14.1	14.3	14.8	14.0	14.6
Coking properties.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Location in mine.....	Hub seam.....				Hub seam.....		Harbour seam.....			Harbour seam	
Kind of sample.....	Commercial—10 tons.....				Commercial.....		Commercial—5 tons.....			Commercial.....	
Quality of coal.....	Over 2½ inch shaking screen and picking belt.....				Washed coal from M36, yield 93%.....		Over 2½ inch bar screen and picking belt.....				
Taken by.....	T. Denis, Mines Branch, Ottawa.....				Mine authori- ties.....		T. Denis.....			Mine authori- ties.....	
Date of sampling.....	June 24, 1908.....				Jan. 1909.....		June 23, 1908.....			Jan. 1909.....	