

Nova Scotia Coal Fields.

Sydney Area.

Description.	Dominion Coal Co., Ltd.									
	Dominion No. 3 or Reserve Colliery, Glace Bay.					Dominion No. 1 Colliery, Glace Bay.				
	M35 SP			M2035 SP		M38			M2038	
Sample No.	R	AD	D	R	D	R	AD	D	R	D
Moisture condition (see note, p.2)										
Loss on air-drying.....%	1.5					1.4				
Results obtained by.....	Calc.	Calc.	Anal.	Calc.	Anal.	Calc.	Calc.	Anal.	Calc.	Anal.
Proximate analysis:—										
Moisture.....%	3.4	1.9		1.9		3.5	2.1		1.8	
Ash.....%	5.3	5.4	5.5	6.4	6.6	5.7	5.7	5.9	4.7	4.8
Volatile matter.....%	33.8	34.3	35.0	34.5	35.2	33.1	33.6	34.3	34.2	34.8
Fixed carbon.....%	57.5	58.4	59.5	57.2	58.2	57.7	58.6	59.8	59.3	60.4
Ultimate analysis:—										
Carbon.....%	75.9	77.1	78.7	76.8	78.3	75.8	77.0	78.6	78.8	80.2
Hydrogen.....%	5.5	5.4	5.3	4.9	4.7	5.3	5.2	5.1	5.4	5.3
Ash.....%	5.3	5.4	5.5	6.4	6.6	5.7	5.7	5.9	4.7	4.8
Sulphur.....%	1.8	1.8	1.8	2.3	2.3	1.8	1.8	1.8	1.5	1.5
Nitrogen.....%	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.5	1.4	1.4
Oxygen.....%	10.1	8.9	7.3	8.3	6.8	10.0	8.9	7.1	8.2	6.8
Calorific value:—										
Calories per gram, gross...	7530	7650	7800			7510	7620	7780		
B. Th. U. per lb., gross.....	13560	13770	14040			13520	13710	14010		
Fuel ratio.....	1.70			1.65		1.75			1.75	
Carbon-Hydrogen ratio.....	13.8	14.2	14.8	15.8	16.5	14.3	14.7	15.4	14.5	15.1
Coking properties.....										
Location in mine.....	Phalen seam.....			Phalen seam.....		Phalen seam.....			Phalen seam.	
Kind of sample.....	Commercial—2 tons			Commercial.....		Commercial—10 tons			Commercial.	
Quality of coal.....	Over 1½ inch shaking screen and picking belt.					Over 1 inch screen and picking table.				
Taken by.....	T. Denis, Mines Branch.			Mine authorities..		T. Denis.....			Mine authorities.	
Date of sampling.....	June 25, 1908.....			January, 1909.....		June 26, 1908.....			January, 1909.	