

Nova Scotia Coal Fields.

Pictou Area.

Description.	Acadia Coal Co., Ltd., Stellarton. Albion colliery, Stellarton.									
	M1	M201	M1001	M2			M2002			
Sample No.	D	D	D	R	AD	D	R	D		
Moisture condition (see note, p. 2).....										
Loss on air-drying..... ⁶⁰ / ₁₀₀				1.7						
Results obtained by.....	Anal.	Anal.	Anal.	Calc.	Calc.	Anal.	Calc.	Anal.		
Proximate analysis:—										
Moisture..... ⁶⁰ / ₁₀₀				3.6	2.0		1.7			
Ash..... ⁶⁰ / ₁₀₀	14.7	12.3	13.8	10.2	10.3	10.5	9.6	9.8		
Volatile matter..... ⁶⁰ / ₁₀₀	29.8	30.8	28.5	30.3	30.8	31.4	29.0	29.5		
Fixed carbon..... ⁶⁰ / ₁₀₀	55.5	56.9	57.7	55.9	56.9	58.1	59.7	60.7		
Ultimate analysis:—										
Carbon..... ⁶⁰ / ₁₀₀	71.4	73.4	72.7	71.5	72.8	74.2	75.6	76.9		
Hydrogen..... ⁶⁰ / ₁₀₀	4.5	4.5	4.4	4.7	4.6	4.5	5.0	4.9		
Ash..... ⁶⁰ / ₁₀₀	14.7	12.3	13.8	10.2	10.3	10.5	9.6	9.8		
Sulphur..... ⁶⁰ / ₁₀₀	1.4	1.0	1.1	0.8	0.8	0.9	2.1	2.1		
Nitrogen..... ⁶⁰ / ₁₀₀	1.7	1.5	1.6	2.1	2.1	2.1	1.6	1.7		
Oxygen..... ⁶⁰ / ₁₀₀	6.3	7.3	6.4	10.7	9.4	7.8	6.1	4.6		
Calorific value:—										
Calories per gram, gross.....	6990	7250	6920	7050	7170	7320	7400	7520		
B. Th. U. per lb., gross.....	12580	13050	12460	12690	12910	13170	13310	13540		
Fuel ratio.....	1.85	1.85	2.00	1.85			2.05			
Carbon-Hydrogen ratio.....	15.8	16.3	16.5	15.2	15.8	16.6	15.2	15.8		
Coking properties.....										
Location in mine.....	Third seam.....			Cage Pit seam.....			Cage Pit seam			
Kind of sample.....	Commercial —10 tons.			Commercial—5 tons			Commercial.			
Quality of coal.....	Run-of-mine	Washed coal from M1, yield 86%	Fresh sam- pling of M1 after one year's in- door stor- age.	Run-of-mine.....						
Taken by.....	T. Denis, Mines Branch.			T. Denis.....			Mine authori- ties.			
Date of sampling.....	Mar. 26, 1907			March 26, 1907.....			January 1909.			