

Nova Scotia Coal Fields.

Pictou Area.

Description.	Intercolonial Coal Mining Co., Ltd.										
	No. 5 or Acadia colliery, Westville					Drummond colliery, Westville.					
	M8			M2008		M3			M203	M2003	
Sample No.....	R	AD	D	R	D	R	AD	D	D	R	D
Moisture condition (see note p. 2).....											
Loss on air-drying.....%	0.2					0.3					
Results obtained by.....	Calc.	Calc.	Anal.	Calc.	Anal.	Calc.	Calc.	Anal.	Anal.	Calc.	Anal.
Proximate analysis:—											
Moisture.....%	1.8	1.6		1.3		1.4	1.1			1.7	
Ash.....%	9.0	9.0	9.2	8.1	8.2	14.3	14.4	14.5	11.3	13.3	13.5
Volatile matter.....%	25.5	25.6	26.0	27.0	27.4	24.4	24.4	24.7	25.3	22.2	22.6
Fixed carbon.....%	63.7	63.8	64.8	63.6	64.4	59.9	60.1	60.8	63.4	62.8	63.9
Ultimate analysis:—											
Carbon.....%	76.2	76.4	77.6	78.9	80.0	71.6	71.9	72.6	76.0	74.1	75.4
Hydrogen.....%	4.9	4.8	4.7	4.8	4.7	4.4	4.3	4.3	4.5	4.5	4.4
Ash.....%	9.0	9.0	9.2	8.1	8.2	14.3	14.4	14.5	11.3	13.3	13.5
Sulphur.....%	0.9	0.9	0.9	0.8	0.8	2.5	2.5	2.5	1.3	1.3	1.3
Nitrogen.....%	1.5	1.6	1.6	2.1	2.2	2.0	2.0	2.1	2.0	1.9	1.9
Oxygen.....%	7.5	7.3	6.0	5.3	4.1	5.2	4.9	4.0	4.9	4.9	3.5
Calorific value:—											
Calories per gram, gross..	7560	7580	7700			7100	7130	7200	7530		
B. Th. U. per lb., gross..	13620	13650	13860			12780	12830	12960	13550		
Fuel ratio.....	2.50			2.35		2.45			2.50		
Carbon-Hydrogen ratio.....	15.7	15.8	16.4	16.3	16.8	16.5	16.6	17.0	16.9	16.3	17.0
Coking properties.....											
Location in mine.....	Main seam.....			Main seam.....		Main seam.....			Main seam.....		
Kind of sample.....	Commercial—5 tons.			Commercial..		Commercial—10 tons			Commercial..		
Quality of coal.....	Over 1 inch screen and picking belt.					Over 1 inch screen and picking belt.			Washed coal from M3. yield 82%		
Taken by.....	T. Denis, Mines Branch.			Mine authorities.		T. Denis.....			Mine authorities.		
Date of sampling.....	March 28, 1907.....			January 1909..		March 27, 1907.....			January 1909..		
Remarks.....	Operated by Acadia Coal Co., Ltd., at time of sampling.										