

Description.	Maritime Coal, Railway & Power Co., Ltd.										
	Chignecto colliery, Joggins Mines				Joggins colliery, Old mine, Joggins Mines.						
Sample No.	M7				M207	M10			M210	M2010	M3010
Moisture condition (see note p. 2).	R	AD	D	D	R	AD	D	D	D	R	D
Loss on air-drying..... ^{wt} %	0.4				0.7						
Results obtained by.....	Calc.	Calc.	Anal.	Anal.	Calc.	Calc.	Anal.	Anal.	Anal.	Calc.	Anal.
Proximate analysis:—											
Moisture..... ^{wt} %	3.6	3.2			1.3	0.6				4.8	
Ash..... [%]	12.8	12.9	13.3	9.1	18.4	18.5	18.6	10.3	16.9	10.9	11.5
Volatile matter..... [%]	39.5	39.6	41.0	41.3	36.1	36.4	36.6	38.1	36.6	36.5	38.4
Fixed carbon..... [%]	44.1	44.3	45.7	49.6	44.2	44.5	44.8	51.6	46.5	47.8	50.1
Ultimate analysis:—											
Carbon..... [%]	63.9	64.2	66.2	70.0	62.7	63.1	63.5	70.3		65.5	68.8
Hydrogen..... [%]	5.0	5.0	4.8	5.0	4.2	4.2	4.1	4.9		5.2	4.9
Ash..... [%]	12.8	12.9	13.3	9.1	18.4	18.5	18.6	10.3		10.9	11.5
Sulphur..... [%]	6.2	6.2	6.4	6.2	5.3	5.3	5.4	4.8	5.2	6.5	6.8
Nitrogen..... [%]	1.2	1.2	1.3	1.0	1.3	1.3	1.3	0.9	1.7	1.5	1.6
Oxygen..... [%]	10.9	10.5	8.0	8.7	8.1	7.6	7.1	8.8		10.4	6.4
Calorific value:—											
Calories per gram, gross....	6510	6540	6750	7160	6360	6400	6440	7080			
B. Th. U. per lb., gross....	11720	11770	12160	12890	11440	11520	11590	12740			
Fuel ratio.....	1.10			1.20	1.20			1.35	1.25	1.30	
Carbon-Hydrogen ratio.....	12.8			13.0	13.9	14.0			14.8	15.3	
Coking properties.....											
Location in mine.....											
Kind of sample.....	Commercial — 5 tons.				Commercial — 6 tons.				Commercial — 2 tons.	Commercial.	
Quality of coal.....	Hand picked lump				Washed coal from M7, yield 87%.	Over 1 inch screen and picking belt.			Washed coal from M10, yield 79%.	Over 1 inch screen and picking belt.	
Taken by.....	Mine authorities				T. Denis				T. Denis	Mine authorities	
Date of sampling.....	April 1907				April 3, 1907				1907	January 1909	
Remarks.....	This mine has since been abandoned.										