

British Columbia Coal Fields.

Nanaimo Area.

Description.	Western Fuel Co., Ltd., No. 1 mine, Nanaimo.								
Sample No.	M18			M2018		M17			
Moisture condition (see note p. 2)	R	AD	D	R	D	R	AD	D	
Loss on air-drying	0.6					0.5			
Results obtained by	Calc.	Calc.	Anal.	Calc.	Anal.	Calc.	Calc.	Anal.	
Proximate analysis:—									
Moisture	2.2	1.6		1.8		2.4	1.9		
Ash	10.1	10.1	10.3	10.2	10.4	11.6	11.7	11.9	
Volatile matter	40.3	40.6	41.2	40.8	41.5	40.5	40.7	41.5	
Fixed carbon	47.4	47.7	48.5	47.2	48.1	45.5	45.7	46.6	
Ultimate analysis:—									
Carbon	70.4	70.9	72.1	....	....	67.4	67.7	69.0	
Hydrogen	5.0	4.9	4.8	....	....	4.8	4.7	4.6	
Ash	10.1	10.1	10.3	....	....	11.6	11.7	11.9	
Sulphur	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.3	
Nitrogen	1.2	1.2	1.2	....	....	1.1	1.1	1.2	
Oxygen	12.4	12.0	10.7	....	....	13.9	13.6	12.0	
Calorific value:—									
Calories per gram, gross	6970	7010	7130	6950	7080	6760	6790	6930	
B. T. U. per lb., gross	12550	12620	12830	12520	12740	12180	12230	12470	
Fuel ratio		1.20			1.15		1.10		
Carbon-Hydrogen ratio	14.2	14.4	14.9	....	....	14.2	14.3	15.0	
Coking properties									
Hoffmann potash, test									
Location in mine	Upper or Douglas seam, Esplanade shaft.			Upper or Douglas seam.		Lower or Newcastle seam, Esplanade shaft.			
Kind of sample	Commercial—10 tons....			100 lbs.....		Commercial—10 tons.			
Quality of coal	Over 2 inch screen, and picking table.					Over 2 inch screen, and picking table.			
Taken by	T. Denis, Mines Branch.			Mine authorities		T. Denis.			
Date of sampling	April 4, 1908.....			April, 1909.....		April 6, 1908.			