

British Columbia Coal Fields.

Comox Area.

Description.	Canadian Collieries (Dunsmuir), Ltd., Cumberland, Comox Colliery.					
	M 21 D	M 21 SP D	M 21 M D	M 221 M D	570 R D	
Sample No.						
Moisture condition (see note p. 2).						
Loss on air-drying%						
Results obtained by	Anal.	Anal.	Anal.	Anal.	Anal.	Calc.
Proximate analysis:—						
Moisture%					1-1	
Ash%	11-9	11-9	12-0	8-9	10-4	10-5
Volatile matter%	31-6	28-0	30-2	30-8	32-2	32-6
Fixed carbon%	56-5	60-1	57-8	60-3	56-3	56-9
Ultimate analysis:—						
Carbon%	72-9	74-4	73-4	77-6	75-0	75-8
Hydrogen%	4-4	4-5	4-4	4-6	4-9	4-8
Ash%	11-9	11-9	12-0	8-9	10-4	10-5
Sulphur%	1-0	0-9	0-9	0-8	1-3	1-3
Nitrogen%	1-0	1-0	1-0	1-1	0-9	0-9
Oxygen%	8-8	7-3	8-3	7-0	7-5	6-7
Calorific value:—						
Calories per gram, gross.	7150	7210	7230	7550	7340	7420
B. Th. U. per lb., gross.	12870	12980	13010	13590	13210	13360
Fuel ratio	1-80	2-15	1-90	1-95		1-75
Carbon-Hydrogen ratio	16-5	16-5	16-7	16-9	15-3	15-7
Coking properties						Fair coke.
Hoffmann potash test						
Location in mine	No. 4 mine, lower seam.	No. 7 mine, lower seam.				
Kind of sample	Commercial—5 tons.	Commercial—5 tons.	Commercial.			
Quality of coal	Over $\frac{1}{2}$ -inch screen, and picking belt.	Over $\frac{1}{2}$ to 1 inch bar screen, and picking belt.	Mixture of M 21 and M 21 SP.	Washed coal from M 21 M: yield 88 %.		Comox lump.
Taken by	T. Denis, Mines Branch.	T. Denis				Mine authorities
Date of sampling	April 11, 1908.	April 13, 1908.				1915.
Remarks	Operated by Wellington Colliery Co., Ltd., at time of sampling.					