

# SASKATCHEWAN COAL FIELDS.

## Willowbunch Area.

Description.	Eidness Bros' mine, Gladmar, Sec. 11, Tp. 3, R. 19, W. 2 meri- dian.		R. Appleby's mine, Rossmine, Sec. 17, Tp. 3, R. 21, W. 2 meri- dian.		W. H. Treleaven's mine, Wamska, Sec. 2, Tp. 4, R. 23, W. 2 meridian.		Abandoned mine at Coal Mine lake, near Bengough, Sec. 3, Tp. 5, R. 23, W. 2 meridian		Open-pit worked by District farmers, Sec. 28, Tp. 1, R. 24, W. 2 meridian.	
Sample No.	330		329		331		328		332	
Moisture condition (see note p. 3).	R	D	R	D	R	D	R	D	R	D
Loss on air-drying	Anal.	Calc.	Anal.	Calc.	Anal.	Calc.	Anal.	Calc.	Anal.	Calc.
Results obtained by—										
Proximate analysis—										
Moisture	7.3		9.1		8.1		8.8		8.1	
Ash	18.1	19.5	17.0	18.7	11.4	12.5	12.8	14.1	15.2	16.5
Volatile matter	38.4	41.5	41.2	45.3	38.2	41.5	39.6	43.4	36.9	40.1
Fixed carbon	36.2	39.0	32.7	36.0	42.3	46.0	38.8	42.5	39.8	43.4
Ultimate analysis—										
Carbon										
Hydrogen										
Ash										
Sulphur										
Nitrogen										
Oxygen										
Calorific value—										
Calories per gram, gross										
B. Th. U. per lb., gross										
Fuel ratio	0.94	0.94	0.79	0.79	1.10	1.10	0.98	0.98	1.10	1.10
Carbon-Hydrogen ratio										
Coking properties										
Hoffmann potash test										
Location in mine	All mine.									
Kind of sample										
Quality of coal										
Taken by	All by Dr. B. Rose, Geological Survey, Ottawa.									
Date of sampling	Summer of 1913. 1913. 1913. 1913.									
Remarks										