

## MANITOBA PEAT BOGS.

Description.	Transmission Bog,* 18 miles from Point Dubois, Secs. 19-21, 28-30, Tp. 15, R. 12 E. of principal meridian.	Whitemouth Bog,† Whitemouth, Tps. 4-13, Ranges 11-14 E. of principal meridian.	Lac du Bonnet Bog,† near Lac du Bonnet, Sec. 2, Tp. 15, R. 10 E. of principal meridian.	Big Grass Marsh, Gladstone, Tps. 15-18, Ranges 10-11 W. of principal meridian.	
Sample No. ....	146	142	468	145	143
Moisture condition (see note p. 3). ....	D	D	D	D	D
Loss on air-drying. ....	.....	.....	.....	.....	.....
Results obtained by .....	.....	.....	.....	.....	.....
Proximate analysis:—					
Moisture. ....	.....	.....	.....	.....	.....
Ash. ....	19.0	15.4	19.5	15.6	46.7
Volatile matter. ....	56.8	58.9	55.4	59.4	43.4
Fixed carbon. ....	24.2	25.7	25.1	25.0	9.9
Ultimate analysis:—					
Carbon. ....	.....	.....	.....	.....	.....
Hydrogen. ....	.....	.....	.....	.....	.....
Ash. ....	.....	.....	.....	.....	.....
Sulphur. ....	.....	.....	0.4	.....	.....
Nitrogen. ....	1.6	.....	2.2	1.4	2.0
Oxygen. ....	.....	.....	.....	.....	.....
Calorific value:—					
Calories per gram, gross. ....	.....	4,510	4,410	3,999	.....
B. Th. U. per lb., gross. ....	.....	8,110	7,940	7,190	.....
Fuel ratio. ....	0.43	0.44	0.45	0.42	0.23
Carbon-Hydrogen ratio. ....	.....	.....	.....	.....	.....
Caking properties. ....	.....	.....	.....	.....	.....
Hoffmann potash test. ....	.....	.....	.....	.....	.....
Location in mine. ....	All prospect.				
Kind of sample. ....	All by A. Anrep, Mines Branch, Ottawa.				
Quality of coal. ....	During summer of 1911.				
Taken by. ....	*Bog traversed by				
Date of sampling. ....	City of Winnipeg				
Remarks. ....	†Bog traversed by Canadian Pacific Construction Rail- way.				