

SOUTH BONNET PLUME BASIN COAL

Area	Location	Seam name	Average seam thickness (m)	Type (rank) of Coal	Moisture content (%)	Ash content (%)	Volatile content (%)	Fixed Carbon (%)	Sulphur content (%)	Calorific Value (BTU/lb) (MJ/kg)		Resource - measured (million tonnes)**	Resource - indicated (million tonnes)**	Resource - inferred (million tonnes)**	Resource - total (million tonnes)**	
South Bonnet Plume Basin	Illtyd Creek	# 1	6.85	HVB C	5.2	19.8	32.8	42.2	0.35	9067	21.09	121	29	33	183	
		# 2	3.66		5.5	13.8	34.2	46.5	0.33	9910	23.05					
		# 3	2.40		5.1	20.1	32.3	42.2	0.35	9041	21.03					
	West Illtyd Creek	# 3		HVB C											48	48
		# 4														
		#5														
	Wernecke	# 1	5.65	HVB C	3.9	12.9	36.1	47.3			10547	24.53		105	29	134
		# 2	9.51		5.0	10.3	36.0	48.9			10810	25.14				
		# 3	3.43		6.7	16.2	32.2	45.1	0.33	9622	22.38					
		# 4	2.92		7.3	9.6	33.9	49.3	0.33	10592	24.64					
		# 5	2.72		6.5	16.5	29.5	48.5	0.27	9723	22.62					
	Airstrip (Marathon)	# 3	5.50	HVB C	4.4	18.6	32.2	44.8	0.39	9380	21.82			18	18	
		# 4	4.89		5.2	18.8	30.3	45.8	0.34	9499	22.09					
	Wind River (Deslaurier)	# 3	8.00	HVB C	4.4	18.1	31.0	45.6	0.40	9743	22.66		60	43	103	
		# 4	4.75		4.7	14.3	32.6	48.3	0.40	10167	23.65					
		# 5	9.19		4.5	11.6	31.9	51.9	0.47	10556	24.55					
	Spaceship	# 1	6.42	HVB C	4.5	14.9	34.4	46.2	0.32	10052	23.38			158	158	
		# 2	8.49		5.2	12.4	34.5	48.2	0.31	10316	24.00					
		# 3	7.12		4.7	13.3	33.3	48.7	0.3	10223	23.78					
		# 4	5.45		4.7	12.6	32.8	49.6	0.24	10452	24.31					
		# 5	1.93		4.9	11.8	30.5	52.8	0.28	10506	24.44					
	Garlic Ring	# 1	2.60	HVB C									9	6	15	
		# 2	3.40													
Total															659	

Analyses are for clean coal - produced by washing the +28 mesh fraction at 1.90 specific gravity

** Resources were calculated in the 1980's and may not conform to guidelines currently in use (NI43-101)

The above information is summarised from the following references:

Long DGF (1985) Coal in Yukon. In: Morin JA (ed.) Mineral deposits of northern Cordillera. Canadian Institute of Mining and metallurgy Special Paper 37, pp. 362-371.

Wright JL and Miller DC (1986) Rock River coal basin: geology, gravity survey and interpretation. In: Morin JA (ed.) Mineral deposits of northern Cordillera. Canadian

Hunt JA (1994) Yukon coal inventory 1994. Prepared for Energy and Mines Branch, Economic Development, Yukon Territorial Government, 168p.