

## **Occurrence Details**

Occurrence Number: 106E 032
Occurrence Name: Garlic Ring
Occurrence Type: Hard-rock

Status: Deposit

**Date printed:** 12/16/2025 7:37:32 AM

## **General Information**

Primary Commodities: coal Deposit Type(s): Coal

**Location(s):** 65°20'28" N - -134°51'5" W

NTS Mapsheet(s): 106E07 Location Comments: 1 Kilometres Hand Samples Available: No

Last Reviewed:

## Capsule

### Work History

Acquired as Coal Licence #88 in Nov/77 by Pan Ocean Oil Ltd, which carried out geological mapping and drilled 2 holes (484 m) in 1980. The area was relicensed as #145 in Nov/80; and as CYM0015 by P. Wheelton in Dec/2001.

#### Capsule Geology

This deposit occurs on a low flat hill formed of resistant conglomerate of the Late Cretaceous Lower Bonnet Plume Formation on the west side which rests conformably on Cambrian sedimentary rocks on the east side. It forms a northwest-dipping monocline with dips varying from 25 to 35°. Two coal outcrops were mapped in gullies.

Both drillholes intersected the #1 and #2 seams, which averaged 2.6 m and 3.4 m thick, respectively. The lower seams have apparently shaled out in this area. In-situ reserves are 8 600 000 tonnes indicated and 5 550 000 tonnes inferred of high volatile, bituminous C non-coking coal.

#### References

AURUM GEOLOGICAL CONSULTANTS INC., 1994. Yukon Coal Inventory 1994. Energy and Mines Branch, Economic Development, Yukon Territorial Government, 169 p.

GEOLOGICAL SURVEY OF CANADA Paper 76-8; Paper 78-1A, p. 399-401.

GEOLOGICAL SURVEY OF CANADA 1980. Open File 715.

PAN OCEAN OIL LTD, COAL DEPT, Jan/81. Assessment Report #062055 by O.R. Cullingham, G. Germscheid, D. Garrison, J.S. McKinney, A. Hargrave and D.C. Hope.

# **Work History**

Date	Work Type	Comment		
12/31/1980	Drilling	Number of holes drilled: 2 Amount of work done: 484 METRES		
12/31/1980	Geology			

## **Assessment Reports that overlap occurrence**

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled	
<u>095594</u>	2007	Assessment Report Describing Airborne Geophysics at the Odie Property	Magnetic - Airborne Geophysics, Reverse Circulation - Airborne Geophysics			
095826	2004	Wind River Caolfield Assessment Report	Property Evaluation - Other			
<u>062149</u>	1982	Summary of Environmental Programs Competed in 1981, and an Outline of Projects Planned for 1982	Research/Summarize - Pre-existing Data, Environmental Assessment/Impact - Studies			
062142	1982	Bonnet Plume 1982 Environmental Programmes	Environmental Assessment/Impact - Studies			
<u>062150</u>	1981	An Overview of the Vegetation, Wildlife and Fish Resources of the Bonnet Plume Lease, Northeastern Yukon Territory	Research/Summarize - Pre-existing Data, Biophysical Mapping - Studies, Environmental Assessment/Impact - Studies, Pre-feasibility - Studies			
062114	1981	Preliminary Feasibility Mining Study Illtyd Creek Deposit Bonnet Plume Coalfield	Pre-feasibility - Studies			
<u>062055</u>	1980	Report on Geology an Exploration of the Bonnet Plume Basin Yukon Territory	Diamond - Drilling, Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Environmental Assessment/Impact - Studies, Resource Estimate - Studies	53	10700	
061966	1980	Report on Geology an Exploration of the Bonnet Plume Basin Yukon	Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology,			

001300	1700	Territory	Resource Estimate - Studies	
061888	1979	Report Reserves and Grade of Coal in the Bonnet Plume Basin	Feasibility - Studies, Preliminary Economic Assessment - Studies	
<u>061889</u>	1979	Economic, Environmental & Socio-Economic Considerations	Environmental Assessment/Impact - Studies, Preliminary Economic Assessment - Studies	
<u>061805</u>	1979	Report on the Geology of the Bonnet Plume Basin Yukon Territory as Determined by the 1978 Field Season	Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology	
061807	1978	Bonnet Plume Coalfield Tonnages and Grade of Coal in Support of a Proposed Thermal Generating Station in the Yukon Territory	Feasibility - Studies	
061806	1978	Yukon Thermal Power Generating Study for Pan Ocean Oil Limited	Feasibility - Studies	

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Year	Zone	Туре	Commodity	Grade	Tonnage	A mount	Reported Amount	43-101 Compliant	Cut-off
1980	GARLIC RING (OPEN PIT)	Historical Estimate	coal	23297.2 kJ/kg	5,550,000		No	No	Unknown
High quality thermal coal ranked as volatile C bituminous. Weighted average proximate analysis of 14.3% Ash.; Assessment Report #062055 by O.R. Cullingham.									
1980	GARLIC RING (OPEN PIT)	Historical Estimate	coal	23297.2 kJ/kg	8,600,000		No	No	Unknown
High quality thermal coal ranked as volatile C bituminous. Weighted average proximate analysis of 14.3% Ash.; Assessment Report #062055 by O.R. Cullingham.									