



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
095594	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		
062149	1982	Summary of Environmental Programs Completed 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		
062150	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 Ilttyd Creek Deposit Bonnet Plume Coalfield	Pre-feasibility - Studies		
062055	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
061066	1980	Report on Geology an Exploration of the Bonnet Plume Basin Yukon	Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology ,		

