

Occurrence Details

Occurrence Number: 106E 038
Occurrence Name: Spaceship
Occurrence Type: Hard-rock

Status: Deposit

Date printed: 4/29/2025 5:00:12 AM

General Information

Primary Commodities: coal Deposit Type(s): Coal

Location(s): 65°13'15" N - -134°55'7" W

NTS Mapsheet(s): 106E02 Location Comments: 1 Kilometres Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Acquired as Coal Exploration Licence #77 in Nov/77 by Pan Ocean Oil Ltd, which carried out geological mapping and drilled 2 holes (689 m) in 1980. The area was relicensed as #134 in Nov/80; and as CYM0013 by P. Wheelton in Dec/2001.

Capsule Geology

Although exposure is scarce, this deposit is inferred to occupy a west-plunging syncline, the axis of which coincides with the south part of the Pan Ocean (West Illtyd) deposit (Minfile Occurrence #106E 034). Seam # 2 is exposed in a creek bank. Hole 80-22 intersected all five seams recognized in the West Illtyd deposit. Coal quality and stratigraphy are comparable to those in the main Illtyd deposit. However, coal horizons here are among the best encountered in the Bonnet Plume basin. For example, Hole 80-25 intersected an aggregate thickness of 30 m of coal in seams greater than 1.5 m thick within a 230 m section. Inferred in-situ reserves are 157 950 000 tonnes 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, 1978. Assessment Report *#061805 by J.S. Mckinney.

PAN OCEAN OIL LTD, 1978. Assessment Report *#061806 by Z. Kolisnyk.

PAN OCEAN OIL LTD, 1978. Assessment Report *#061807 by J.S. Mckinney.

PAN OCEAN OIL LTD, 1979. Assessment Report *#061887 by O.R. Cullingham and D. Hope.

PAN OCEAN OIL LTD, 1979. Assessment Report *#061888 by O.R. Cullingham and D. Hope.

PAN OCEAN OIL LTD, 1979. Assessment Report *#061889 by D.E. Nutter.

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: 689 METRES				
12/31/1980	Geology					

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<u>095603</u>	2006	Assessment Report Describing Airborne Geophysics and Digital Data Compilation at the Win Property	Magnetic - Airborne Geophysics, Data Compilation - Pre-existing Data		
<u>095826</u>	2004	Wind River Caolfield Assessment Report	Property Evaluation - Other		
062149	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		

062143	1982	Bonnet Plume 1982 Water Sampling Program	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		
<u>062114</u>	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
<u>061966</u>	1980	Report on Geology an Exploration of the Bonnet Plume Basin Yukon Territory	Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Resource Estimate - Studies		
061888	1979	Report Reserves and Grade of Coal in the Bonnet Plume Basin	Feasibility - Studies, Preliminary Economic Assessment - Studies		
061889	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		
<u>061807</u>	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		

Resource/Reserve

Year	Zone	Туре	Commodity	Grade	Tonnage	A mount	Reported Amount	43-101 Compliant	Cut-off
1980	SPACESHIP (OPEN PIT)	Historical Estimate	coal	23297.2 kJ/kg	157,950,000		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.