



Occurrence Details

Occurrence Number: 105F 048
Occurrence Name: Whiskey Lake
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 4/28/2025 7:43:25 PM

General Information

Primary Commodities: coal
Deposit Type(s): Coal
Location(s): 61°58'29" N - -132°31'57" W
NTS Mapsheet(s): 105F15
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Discovered during the construction of the highway in 1964 and staked in Jan/66 as the Coal cl (98412) by G. Harris and I.L. Foster. The showing was sampled in 1966 by H.S. Bostock for Atlas EL. The coal rights were acquired as Coal Exploration Licences 2984 to 2986 in Apr/80 by Cyprus Anvil Mg Corp, which drilled 13 percussion holes (1520 m) later in the year. In 1986, Nadahini Mg Corp opened a small open pit mine to supply coal for drying concentrate at the Curragh Resources mill at Faro. Production totalled about 17 000 tonnes in 1986 and 20 000 tonnes in 1987. Nadahini carried out over 730 m of reverse circulation drilling in 1987 to increase reserves, and over 15 240 m in 1988. Production of 10 000 tonnes was recorded in 1988 and approximately 40 000 tonnes were mined in 1989 and 14 000 tonnes in 1992. Partly overstaked as HWY cl (YB13226) in Apr/88 by Noranda EL. As of Nov/2003, Archer, Cathro & Assoc. (1981) Ltd holds coal license CYW 0067 for this area; valid until Nov/2006.

Capsule Geology

Coal is exposed in two road cuts about 2 km apart and occurs in a fault-bounded erosional remnant of Paleocene or Eocene sedimentary rocks flanked by much older rocks. The section, which dips southwest at 10° to 30°, is at least 400 m thick, and is composed of sandstone, shale and conglomerate. The sequence shows an overall coarsening upward trend and is interpreted as a lake deposit. Two coal seams, 3.0 and 1.2 m thick, are exposed at the west locality, while five seams 0.3 to 2.65 m thick, are exposed at the east locality. Coal rank ranges from low volatile bituminous to semi-anthracite, which is markedly higher than elsewhere in the Tintina Trench. The 1980 drilling indicated that better widths are present. Proximate analysis of 7 samples from the Ross River block (4 from the east part and 3 from the west part) are as follows; East - Ash content 11.1 - 13.9%, volatile matter 18.4 - 25.6%, fixed carbon 28.6 - 58.1%, caloric value 13 280 - 25 940 kJ/kg; West - Ash content 10.6 - 25.7%, volatile matter 20.0 - 22.9%, fixed carbon 38.2 - 58.0%, caloric value 17 830 - 26 300 kJ/kg. Based on assumed continuous thickness of 2.7 m and inclination of 30 degrees for the 1 km strike length between the bounding faults, inferred resources are as follows:

Depth of cover (m) Inferred Resource
0 - 50 m 370 000 t
0 - 100 m 740 000 t
0 - 150 m 1 100 000 t

References

AURUM GEOLOGICAL CONSULTANTS INC., 1994. Yukon Coal Inventory 1994. Energy and Mines Branch, Economic Development, Yukon Territorial Government, 169 p.
CYPRUS ANVIL MINING CORPORATION, 1981. Assessment Report *#090816 by T.J. Adamson.
GEOLOGICAL SURVEY OF CANADA Paper 67-40, p. 89; Paper 79-32, p. 6-8, 12-19.
YUKON EXPLORATION 1985-86, p. 222.
YUKON MINING & EXPLORATION OVERVIEW 1988, p. 3; 1989, p. 6.

Work History

Date	Work Type	Comment
12/31/1989	Other	
12/31/1988	Other	Also conducted 15 240 m of rotary drilling (number of holes unknown) to identify areas to mine.
12/31/1987	Other	Also conducted 730 m of rotary drilling (number of holes unknown) to identify areas to mine.
12/31/1986	Other	
12/31/1980	Drilling	Number of holes drilled: 13 Amount of work done: 1520 METRES
12/31/1966	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
092002	1987	Geochemical & Geophysical Report on the Grew Creek Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
090816	1980	Ross River Coal Project Report on 1980 Field Work	Rotary - Drilling, Mechanical - Trenching	13	974.30
092062	1966	Geological Map of Faro area	Regional Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC000042	Geology and Topography Map - St. Syr Range		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC001814	5 year sections map - Sections 0-100 - Ross River Coal Mine		Property File Collection	Geoscience Map (General)
ARMC005921	Geological and drilling report - Ross River coal - Coal lease 2986		Property File Collection	Report
ARMC005926	Notes Re: Ross River		Property File Collection	Miscellaneous Company Documents
ARMC006364	Notes Re: Ross River Coal		Property File Collection	Miscellaneous Company Documents
ARMC006375	Correspondence Re: Land use permit YA 1D913		Property File Collection	Miscellaneous Company Documents
ARMC006376	Notes - Proposed drillholes at Ross River		Property File Collection	Report
ARMC006377	Re: Collar loctions for the 14 drill holes completed		Property File Collection	Miscellaneous Company Documents
ARMC006378	Correspondence Re: Coal supply		Property File Collection	Miscellaneous Company Documents
ARMC006379	Report on 1987 field work - Ross River coal project		Property File Collection	Report
ARMC006380	Cross sections of Ross River		Property File Collection	Geoscience Map (General)
ARMC006381	Correspondence Re: Coal supply		Property File Collection	Miscellaneous Company Documents
ARMC006382	Correspondence Re: Yukon minerals claims		Property File Collection	Miscellaneous Company Documents
ARMC006383	Map sections O-P - Ross River coal		Property File Collection	Geoscience Map (General)
ARMC003582	Summary of exploration and development work - 1980 - Ross River Coal		Property File Collection	Report
ARMC010176	Ross River coal field map - drillholes, outcrop, topography, rock type		Property File Collection	Geoscience Map (General)
ARMC009084	1980-81 trench plan map -Sheet 1 of 1 - Ross Coal property		Property File Collection	Geoscience Map (General)
ARMC009085	Location map - Ross River Coal project		Property File Collection	Geoscience Map (General)
ARMC009086	Coal leases 2984, 2985, 2986 geology map - Ross River Coal project - Map 1		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC009087	Coal lease map - Ross River Coal project - Figure 2		Property File Collection	Geoscience Map (General)
ARMC009088	Coal lease 2986-1981 bulldozer trench geology map - Ross River Coal project - Map 1		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC009089	Coal lease 2984 sketch bulldozer trenches map - Area of drill holes RR-80-9, 10 - Ross River Coal project		Property File Collection	Geoscience Map (General)
ARMC009090	Drill hole cross section - Coal leases 2984, 2985, 2986 - Ross River Coal project - Map 2		Property File Collection	Geoscience Map (General)
ARMC009091	Geology map - Ross River Coal - Figure 2		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC009102	1980-81 trench plan map - Ross Coal property		Property File Collection	Geoscience Map (General)
ARMC008782	Correspondence Re: Ross River coal area, Ross River		Property File Collection	Miscellaneous Company Documents
ARMC008784	Coal sampling map - Ross River road cut exposure		Property File Collection	Geoscience Map (General)
ARMC00878			Property File Collection	Geoscience Map (Geological -

ARMC000795	Structural map - Ross River coal	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008796	Correspondence Re: Ross River coal deposit	Property File Collection	Miscellaneous Company Documents
ARMC014545	Preliminary mine life plan - Ross River Coal project	Property File Collection	Report
ARMC014536	Geology map - Coal lease 2986 - 1981 Bulldozer Trench - Ross River coal project - Map 1	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014539	Geology map - Coal leases 2984, 2985, 2986 - Ross River Coal project - Map 1	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014547	Heritage resource impact assessment - Ross River Coal project Yukon Territory	Property File Collection	Report
ARMC014544	Air photo enlargement with two overlays - Ross River Coal project	Property File Collection	Geoscience Map (General)
ARMC014523	Nadahini Mining Corp. - Three year mining plan 1988, 1989, 1990 - Nadahini coal mine - Land use application	Property File Collection	Report
ARMC014533	2 metre contours 870921 - 1988 development plan - Nadahinni	Property File Collection	Geoscience Map (General)
ARMC014535	5M contour w/grid dots - 1988 development plan - Nadahinni	Property File Collection	Geoscience Map (General)
ARMC014531	Map of coalseam locations and '87 drill holes with design location sheet - Nadahinni Coal Mine	Property File Collection	Geoscience Map (General)
ARMC014542	Sketch map of Ross River Coal project	Property File Collection	Geoscience Map (General)
ARMC014543	Sketch with notes - Ross River Coal project	Property File Collection	Geoscience Map (General)
ARMC014529	Revised locations of Yukon Engineering Services survey station control points	Property File Collection	Miscellaneous Company Documents
ARMC014524	Ross River Coal 1987 drilling project - Work completed September 24-28	Property File Collection	Miscellaneous Company Documents
ARMC014521	Ross River coal project - Report on 1981 field work	Property File Collection	Report
ARMC014522	Rotary drill hole logs - Ross River coal project, 1980 - Hole Nos. 80-RR-1 to 13	Property File Collection	Drill Logs
ARMC014540	Section compiled from traverse west along road from trench TR80A to road up to camp - Ross River coal project	Property File Collection	Geoscience Map (General)
ARMC014526	Letters Re: Nadahini coal mine - Drill program and development strategy - Cross-section plots	Property File Collection	Miscellaneous Company Documents
ARMC014525	Letters Re: Nadahinni coal mine drill program and development strategy - 875B.XYZ Coordinate	Property File Collection	Miscellaneous Company Documents
ARMC014530	Drill hole collar locations - Ross River Coal	Property File Collection	Miscellaneous Company Documents
ARMC014534	Drill hole layout - 1988 development plan - Nadahinni	Property File Collection	Geoscience Map (General)
ARMC014537	Geology - Coal lease 2984 sketch bulldozer trenches; area of drill holes RR-80-9, 10 - Ross River Coal project - Map 3	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014528	Graph of Nadahini coal - Project 875B	Property File Collection	Miscellaneous Company Documents
ARMC014532	Grid layout detail - 1988 development plan - Nadahinni	Property File Collection	Geoscience Map (General)
ARMC020308	Coal project 1987 - Field notes by Chris McAfee - Ross River Coal	Property File Collection	Miscellaneous Company Documents
ARMC014527	Correspondence re: Nadahinni Coal	Property File Collection	Miscellaneous Company Documents
ARMC014541	Cross-sections 1987 pit area - Ross River Coal project	Property File Collection	Geoscience Map (General)
ARMC014538	Field map - Base topography - Ross River Coal area	Property File Collection	Geoscience Map (General)
ARMC014546	Detailed two year plan - Ross River Coal project	Property File Collection	Report

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1980	WHISKEY LAKE (OPEN PIT)	Historical Estimate	coal	21330 kJ/kg	740,000		No	No	Unknown

Caloric value is the average of the seven samples collected for analysis from the east and west parts of the Ross River block. Tonnage reported is for a depth of cover of 0 - 100 m.; Geological Survey of Canada Paper 79-32.
