



Occurrence Details

Occurrence Number: 105F 047

Occurrence Name: Trench

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 3:55:20 AM

General Information

Secondary Commodities: coal

Aliases: Lapie River Zone

Deposit Type(s): Coal

Location(s): 61°57'19" N - -132°35'40" W

NTS Mapsheet(s): 105F15

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

First discovered during mapping by the Geological Survey of Canada in 1945 and originally staked as Bill cl 1-6 (Y3593) in Mar/66 by J. Mullen.

The south side was restaked as Grand cl 1-48 (YA81848) in May/84 by Hudson Bay Exploration and Development Company Ltd, which carried out geological mapping and geochemical sampling in 1985 and magnetometer and VLF-EM surveying and geochemical soil sampling in 1986.

In 1987, the Grand claims were optioned to a joint venture between Noranda Exploration Company Ltd, Brenda Mines Ltd and Golden Nevada Resources Inc, which carried out geochemical sampling and airborne geophysical surveying later in the year. Prime Capital Corporation tied on various non-sequentially numbered Ran claims (YB9169) to the northeast and southwest in Nov/87 and optioned them to Argo Development Corporation, which carried out geological mapping, soil sampling and airborne geophysical and ground magnetic surveys in 1988. Golden Nevada Resources Inc changed its name to Goldnev Resources Inc in Jun/89 and excavated 4 backhoe trenches and 1 pit on the Grand cl 1 and carried out geochemical rock and soil sampling of the workings in 1991 before dropping its option later in the year.

The Ran and Grand claims were transferred to A. Carlos in Feb/92. A. Carlos performed linecutting (12 km) and trenching on the Ran claims from May to Jun/93, and diamond drilled on the Grand claims in Sep/93. In Oct/94 the Grand and Ran claims were transferred to YGC Resources Ltd. In 1995 YGC drilled two holes (180.5 m), one hole on the Grand cl 122 near Danger Creek and the other on the Grand cl 5 near the Lapie River.

Capsule Geology

Coal occurs in a partially exposed 400 m thick section of Paleocene or Eocene sediments along the Lapie River. The section, which is in fault contact with older rocks, is an erosional remnant in the floor of the Tintina Trench. The section dips southwest at 25° to 35° and is composed of sandstone, shale and conglomerate with a gross trend of upward coarsening grain size that is interpreted as a lake deposit. Two thin coal seams, 0.3 and 0.1 m thick, have been noted. Coal rank is high volatile bituminous A, which is markedly higher than elsewhere in the Tintina Trench.

The 1984 and 1987 staking was directed toward possible strike extensions of Tertiary sedimentary and volcanic rocks associated with the Grew Creek deposit (Minfile Occurrence #105K 009). Trenching in 1991 to test for possible clay alteration associated with gold mineralization exposed moderately to strongly fractured quartz-feldspar porphyry and crystal-lithic tuff, but no clay altered zones or mineralization were discovered. Most of the Ran claims are underlain by Palaeocene glacial till which covers Palaeozoic limestone and phyllite.

Samples from the 1995 diamond drilling, testing VLF-EM geophysical targets, did not yield any significant gold values. The drill hole near the Lapie river intersected a clay altered breccia zone hosted by a grey quartz eye rhyolite porphyry (Stroshein, 1995). The hole near Danger Creek intersected a carbonaceous, clay rich contact zone between grey quartz eye rhyolite porphyry and poorly consolidated fluvial sedimentary rocks. Stroshein (1995) noted that the contact zone appears to be an altered shear zone similar to the E-W fault contact between the felsic pyroclastic and the fluvial sedimentary rocks at the Grew Creek deposit (Minfile Occurrence #105K 009).

References

ARGO DEVELOPMENT CORPORATION, May/88. Assessment Report #062293 by J.P. Sorbara.

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

GOLDNEV RESOURCES INC, Nov/91. Assessment Report #092988 by L.R. Haynes.

GORDEY, S.P. and MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9(D).

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, May/85. Assessment Report *#091637 by T. Garagan.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Oct/86. Assessment Report #091861 by R. Stroshein.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Nov/86. Assessment Report #091886 by R. Stroshein.

GEOLOGICAL SURVEY OF CANADA Paper 45-21, p. 21; Paper 79-32, p. 6-8, 12-19.

YGC RESOURCES LTD, Jan/94. Assessment Report #093153 by R.W. Stroshein.

YGC RESOURCES LTD, Dec/95. Assessment Report #093415 by R.W. Stroshein.

YUKON EXPLORATION 1991, p. 5.

Work History		
Date	Work Type	Comment
12/31/1995	Drilling	Two holes, 180.5 m.
12/31/1993	Drilling	One hole, 42.5 m.
12/31/1993	Other	
12/31/1993	Trenching	Work performed by A. Carlos on Ran and Grand claims.
12/31/1991	Geochemistry	Also soil survey .
12/31/1989	Trenching	
12/31/1987	Geochemistry	Also soil survey .
12/31/1987	Airborne Geophysics	Also magnetic survey .
12/31/1986	Ground Geophysics	
12/31/1985	Geochemistry	Also soil sampling.
12/31/1985	Geology	
12/13/1988	Geology	
12/13/1988	Geochemistry	
12/13/1988	Ground Geophysics	
12/13/1988	Airborne Geophysics	
12/13/1985	Trenching	
12/13/1984	Trenching	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095828	2011	Assessment Report, 2011 Exploration Program	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond - Drilling, Rotary - Drilling, Detailed Bedrock Mapping - Geology, Downhole Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other	70	19107
062293	1988	Report on the Grew Creek Property	Research/Summarize - Pre-existing Data		
092640	1988	Geological, Geochemical & Geophysical Report on the Argo Project	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Regional Surficial Mapping - Geology, Magnetics - Ground Geophysics		
092635	1988	Geological, Geochemical & Geophysical Report on the Argo Project	Magnetic - Airborne Geophysics, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Bedrock Mapping - Geology, Regional Surficial Mapping - Geology, Magnetics - Ground Geophysics, Magnetics - Ground Geophysics		
092002	1987	Geochemical & Geophysical Report on the Grew Creek Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
092062	1966	Geological Map of Faro area	Regional Bedrock Mapping - Geology		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC000047	Geology and Topography Map - St. Syr Range		Property File Collection	Geoscience Map (Geological - Bedrock)