



Occurrence Details

Occurrence Number: 105G 045

Occurrence Name: Starr

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 12/16/2025 7:48:52 AM

General Information

Deposit Type(s): Unknown

Location(s): 61°39'43" N - -131°45'27" W

NTS Mapsheet(s): 105G12

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Fox cl (88157) in Apr/63 by Newmont Mining Corporation Ltd. Restaked as Pell cl 1-161 (YB14729) in Aug/88 by Imperial Metals Corp.

Restaked as Bod cl 1-43 (YB49744) by Cominco Ltd in Jun/94 following an extensive airborne survey flown by the company earlier in the year. Cominco carried out reconnaissance mapping and soil sampling later in the summer

In Oct/95 J. Dodge staked Max cl 1-10 (YB70092) 5 km to the southeast.

In Jul/97 Cominco optioned the Bod claims to Pacific Bay Minerals Ltd which carried out a small exploration program on Bod cl 1-8 (YB49744) and cl 17-20 (YB49760). Pacific Bay returned the property to Cominco in Nov/98.

Capsule Geology

Geological mapping (Murphy et al., 2001) shows the region is dominantly underlain by a layered sequence of Devonian to Early Mississippian metavolcanic and metasedimentary rocks of the Yukon-Tanana Terrane (YTT) that have been intruded by Mississippian granitic intrusions and later Cretaceous and Jurassic intrusions. The YTT is a volcanic-plutonic pericratonic arc assemblage that was strongly deformed and metamorphosed by Late Triassic time.

The occurrence is underlain by Upper Devonian Fire Lake metavolcanic rocks and Eocene basalts (Eb; Murphy et al., 2001). The area was probably originally staked on the basis of airborne geophysical surveys completed by the government in 1963 and follow-up surveys completed by Newmont Mining Corporation Ltd. The area is covered by extensive overburden. Mortensen and Jilson (1985) reported the presence of Late Devonian to Mississippian interlayered mafic and minor felsic metavolcanic rocks, carbonaceous metasediments and quartzite grits in the general vicinity of the occurrence. In 1993, Cominco discovered the Kudz Ze Kayah property hosted in the Kudz Ze Kayah felsic metavolcanic unit. Further exploration was undertaken in the district to target this stratigraphy to discover new showings. In early 1994 Cominco flew a regional airborne geophysical survey over the majority of the Yukon Tanana Terrane. The Bod claims were staked to cover geophysical targets identified during the survey.

Reconnaissance mapping by Cominco reported float and subcrop of chloritic phyllite and schists which are locally silicified and often iron carbonate altered. The company also reported the presence of intervals of blue quartz-eye wacke, a characteristic of the Kudz Ze Kayah metavolcanic unit. No felsic volcanic rocks were located and soil sampling returned no anomalies of interest.

Geological mapping and rock and soil sampling carried out by Pacific Bay failed to identify any felsic metavolcanic rocks or VMS style mineralization on the claims.

References

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COMINCO LIMITED, Feb/95. Assessment Report #093342 by P.A. MacRobbie

GEOLOGICAL SURVEY OF CANADA, Paper 64-36 p. 42-43.

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MORTENSEN, J.K., AND JILSON, G.A., 1985. Evolution of the Yukon-Tanana terrane: evidence from southeastern Yukon Territory. *Geology*, vol. 13, p. 806-810.

MURPHY, D.C., AND PIERCEY, S.J., 1999a. Finlayson project: Geological evolution of Yukon-Tanana Terrane and its relationship to Campbell Range belt, northern Wolverine Lake map area, southeastern Yukon. In: Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emond (eds.), Exploration and Geological Services Division, Indian and Northern Affairs Canada, p.47-62.

MURPHY, D.C. AND PIERCEY, S.J., 1999b. Geological map of parts of Finlayson Lake (105G/7, 8 and parts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100 000-scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-4.

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PACIFIC BAY MINERALS LTD, Jul/98. Assessment Report #093852 by F. Moyle and G.L. Wesa.

PIERCEY, S.J., HUNT, J.A. and MURPHY, D.C., 1999. Lithogeochemistry of meta-volcanic rocks from Yukon-Tanana Terrane, Finlayson Lake region, Yukon: Preliminary results. In: Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emond (eds.), Exploration and Geological Services Division, Indian and Northern Affairs Canada, p.125-138.

YUKON EXPLORATION 1988, p. 94.

Work History		
Date	Work Type	Comment
12/31/1997	Geology	
12/31/1997	Geochemistry	
12/31/1994	Geology	
12/31/1994	Geochemistry	One silt sampled collected.
12/31/1994	Airborne Geophysics	Also magnetics.
12/31/1994	Other	
12/31/1963	Airborne Geophysics	Also EM survey. Newmont followed up government surveys.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
060148	1972	Geology and Geochemistry, Hoo Occurrence	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC010208	Geology map - 105G-12 - Pelly project - Figure 4-1		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008789	Correspondence Re: Newmont staking east of Ross River		Property File Collection	Miscellaneous Company Documents
ARMC016589	Geochemical map -105G/12 - Starr Creek		Property File Collection	Geochemical Map
ARMC016583	Geology map - 105G/12 - Star Creek		Property File Collection	Geoscience Map (Geological - Bedrock)