



Occurrence Details

Occurrence Number: 105G 079

Occurrence Name: Hudson

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 12/16/2025 6:49:17 PM

General Information

Secondary Commodities: copper, zinc

Deposit Type(s): Unknown

Location(s): 61°39'59" N - -130°59'48" W

NTS Mapsheet(s): 105G10

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Bev cl 254-302 (Y83748) in Oct/74 following airborne surveys by Hudson Bay Exploration and Development Company Ltd, which conducted ground mag and EM surveys and drilled one hole (194.5 m) in 1975 and 3 holes (313.9 m) in 1976.

Restaked as Amp cl 1-24 (YB50935) in Jul/94 by Cominco Ltd following an airborne EM/magnetic survey flown earlier in the year. In 1994, Cominco carried out a limited program of geochemical sampling, geological mapping, prospecting, and ground geophysics on the property. In Jul/97 Cominco optioned the claims to Pacific Bay Minerals Ltd, as part of a larger package of claims. Pacific Bay carried out reconnaissance exploration programs on many of the claim blocks, but did not complete any work on the Amp claims. In Nov/98 Pacific Bay returned the claims to Cominco.

Capsule Geology

The Finlayson Lake 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 Jurassic, Cretaceous and Eocene intrusions (Murphy et al., 2001). The YTT is a volcanic-plutonic pericratonic arc assemblage that was strongly deformed and metamorphosed by Late Triassic time. Volcanic-hosted massive sulphide deposits exist at different stratigraphic positions within the YTT including the Fyre Lake deposit (Minfile Occurrence #105G 034) in the Devonian to lower Mississippian(?) Fire Lake mafic metavolcanic unit, the Kudz Ze Kayah deposit (Minfile Occurrence #105G 117) in the Mississippian Kudz Ze Kayah felsic metavolcanic unit, and the Wolverine deposit (Minfile Occurrence #105G 072) within the Lower Mississippian Wolverine Succession. The Hudson occurrence is underlain by the Upper Devonian to Lower Mississippian(?) Fire Lake Metavolcanic unit according to regional mapping (Murphy et al., 2001).

The Bev claims were staked in an area of thick, extensive glacial till near a contact between Mississippian augen gneiss and Early Permian Campbell Range 'mafic metavolcanic and related sedimentary rocks'. There is also a Cretaceous intrusion purported to be in the area. The 1975 drilling intersected mainly flat-lying graphitic schist with minor disseminated pyrite.

Cominco reported that the Amp claims appeared to be underlain by metavolcanic and metasedimentary rocks but no outcrop was exposed on the claims. Regional mapping (Murphy et al., 2001) shows the claims were underlain by the Fire Lake Metavolcanic unit. Soil sampling outlined numerous single station Cu and/or Zn anomalies (highest Cu = 107 ppm, Zn = 309 ppm). Ground geophysical surveys identified a 300 m wide conductor with minor associated magnetics but no associated gravity response.

References

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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 Region, Indian and Northern Affairs Canada, Open File 1999-4.

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MURPHY, D.C., COLPRON, M., GORDEY, S.P., ROOTS, C.F., ABBOTT, G., AND LIPOVSKY, P.S., 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105 G) Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-33.

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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.

Work History

Date	Work Type	Comment
12/31/1994	Geology	
12/31/1994	Geochemistry	
12/31/1994	Ground Geophysics	HLEM, magnetic and gravity surveys.
12/31/1994	Airborne Geophysics	Also magnetic survey.
12/31/1976	Drilling	Three holes, 313.9 m.
12/31/1975	Drilling	One hole, 194.4 m.
12/31/1975	Ground Geophysics	Also magnetic survey.
12/31/1974	Airborne Geophysics	Also magnetic survey.

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC016587	Geochemical map - 105G/10 - Finlayson Lake		Property File Collection	Geochemical Map
ARMC016584	Geochemistry map -105G/11 - 'Mink Creek'		Property File Collection	Geochemical Map
ARMC016581	Geology map - 105G/10 - Finlayson Lake		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016582	Geology map - 105G/11 - 'Mink Creek'		Property File Collection	Geoscience Map (Geological - Bedrock)