Occurrence Details

Occurrence Number: 105G 076
Occurrence Name: Freberg
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 12/16/2025 3:19:16 PM

General Information

Secondary Commodities: copper, zinc
Deposit Type(s): Unknown
Location(s): 61°38'14" N - -131°10'43" W
NTS Mapsheet(s): 105G11
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bev cl 182-197 (Y83676) in Oct/74 following airborne surveys by Hudson Bay Exploration and Development Company Ltd which conducted ground mag and EM surveys in 1975 and drilled 2 holes (232.0 m) in 1976.
Restaked as Mink cl 21-36 (YB70213, designated Mink East) by YGC Resources Ltd in Oct/95. YGC staked Mink cl 1-20 (YB70203, designated Mink West) 6 km to the northwest (Minfile Occurrence #105G 077) at the same time. In 1996 the company explored both claim blocks with geological mapping, prospecting and soil sampling. In 1997, YGC re-logged diamond drill core from two holes previously drilled by Hudson Bay on Mink East and carried out detailed soil sampling on Mink West.
Cominco Ltd staked the Cod cl 1-15 (YB51022) 2 km southwest of the prospect's reported position in July/94 and carried out a small soil sampling program later in the season. In Jul/96 Cominco used assessment work performed on other neighbouring claims to renew the Cod claims. In Jul/97 Cominco optioned the Cod and other neighbouring claim groups to Pacific Bay Minerals Ltd. Pacific Bay carried out reconnaissance exploration programs on several of the claim groups, but no work was performed on the Cod claims.

Capsule Geology

The Finlayson area 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 original Bev claims were staked in an area of deep glacial drift.The 1976 drilling, drill holes Bev 7 and Bev 8, tested geophysical anomalies within Devonian to Mississippian flat-lying, carbonaceous pyritic schist. Soil sampling completed in 1996 failed to return any areas of interest. In 1997, YGC re-sampled the drill core which is stored at the H.S. Bostock core library in Whitehorse, Yukon. The company selected 21 intervals containing sulphide minerals (pyrite) for assaying. The results returned slightly anomalous values for Au (40 ppb) and As (860 ppm). Drill logs submitted by YGC indicate that drill hole 7 intersected carbonaceous phyllites and calcareous tuffs while hole 8 intersected banded tuffaceous rocks of a more felsic composition.
Cominco staked the Cod claims to cover airborne geophysical targets identified during a Cominco survey conducted in early 1994. Follow-up soil sampling returned several weak to moderate Cu (52 to 189 ppm) and Zn (105 to 154 ppm) soil anomalies.

References

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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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YGC RESOURCES LTD, Apr/97. Assessment Report #093578 by R.W. Stroshein

YGC RESOURCES LTD, May/98. Assessment Report #093808 by R.W. Stroshein

Work History

Date	Work Type	Comment
12/31/1997	Geochemistry	Re-logged drill core.
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1996	Other	
12/31/1994	Geochemistry	
12/31/1976	Drilling	Two holes, 232 m. Part of larger drill program conducted on various blocks of Bev claims by Hudson Bay.
12/31/1975	Ground Geophysics	Also magnetic survey.
12/31/1974	Airborne Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093808	1997	1997 Geochemical Report on the Mink 21-36 (YB70213-YB70222) Mineral Claims	Drill Core - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014056	Airborne geophysical survey - Electromagnetic map - Grass Lake area - Map 1 of 4		Property File Collection	Geophysical Map