Occurrence Details

Occurrence Number: 105G 077
Occurrence Name: Flin
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/15/2025 10:15:24 PM

General Information

Secondary Commodities: copper, lead, zinc
Deposit Type(s): Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn
Location(s): 61°39'14" N - -131°16'48" W
NTS Mapsheet(s): 105G11
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bev 198-253 cl (Y83692) 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 one hole (142.5 m) in 1976. The Bev claims were part of a regional program spanning several map sheets conducted by Hudson Bay in the late 1970's.
Restaked within Mink cl 1-10 (YB70203) and cl 11-20 (YB70558)(designated Mink West), by YGC Resources Ltd in Oct/95. YGC staked Mink cl 21-36 (YB70213, designated Mink East) 6 km to the southeast (Minfile Occurrence #105G 076) at the same time. In 1996, the company explored both claim blocks with geological mapping, prospecting and soil sampling. In 1997, YGC established a grid and carried out detailed soil sampling on Mink cl 1-20 and re-logged diamond drill core on Mink cl 21-36.

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 area is covered by extensive glacial drift. The occurrence is underlain by Upper Devonian metasedimentary rocks (Murphy et al., 2001; unit Dq). Volcanism within the sequence was accompanied by the intrusion of Mississippian mafic to felsic metaplutonic suites.
The Bev claims were staked to cover a number of electromagnetic anomalies outlined from an airborne survey conducted earlier in the year. Follow-up ground EM-17 and magnetic surveys were completed in 1975, producing numerous drill targets. The 1976 drill hole (Bev-9) intersected minor sphalerite-galena mineralization above a thick graphitic schist unit.
The Mink claims (Mink West) were staked to cover the location of the 1976 drill hole. Preliminary soil sampling undertaken in 1996 outlined weakly anomalous Cu and Zn values down slope of the drill hole. Detailed follow-up soil sampling completed in 1997 returned no significant anomalous Cu or Zn values up-ice from the drill hole.

References

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HUNT, J.A., 1997. Massive Sulphide deposits in the Yukon-Tanana and adjacent Terranes. In: Yukon exploration and Geology 1996, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 35-45.

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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.

MURPHY, D.C. AND PIERCEY, S.J., 2000. Syn-mineralization faults and their re-activation, Finlayson Lake massive sulphide district, Yukon-Tanana Terrane, southeastern Yukon. In: Yukon Exploration and Geology 1999, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 55-66.

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MURPHY, D.C., COLPRON, M., ROOTS, C.F., GORDEY, S.P. AND ABBOTT, J.G., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon) , Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

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YGC RESOURCES LTD, May/98. Assessment Report #093807 by R.W. Stroshein

Work History

Date	Work Type	Comment
12/31/1997	Geochemistry	
12/31/1996	Geology	
12/31/1996	Other	
12/31/1976	Drilling	One hole, 142.3 m.
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
093807	1997	1997 Geochemical Report on the Mink 1-20 (YB70202 - YB70212 and YB70558 - YB70566) Mineral Claims	Soil - Geochemistry		
093578	1996	1996 Geological and Geochemical Report on the Mink 1 - 36 (YB70203 - YB70228 and YB70558 - YB70566) Mineral Claims	Soil - Geochemistry, Bedrock Mapping - Geology		
060148	1972	Geology and Geochemistry, Hoo Occurrence	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		

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