Occurrence Details

Occurrence Number: 105G 075
Occurrence Name: Mcintosh
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 10/4/2025 3:42:21 AM

General Information

Deposit Type(s): Unknown
Location(s): 61°31'17" N - -131°17'52" W
NTS Mapsheet(s): 105G11
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bev 89-113 cl (Y83578) in Oct/74 following airborne surveys by Hudson Bay Exploration and Development Company Ltd, which conducted ground Mag & EM surveys in 1975. In Jun/94 Cominco Ltd staked Chub cl 1-18 (YB49482) 1.5 km to the east to cover EM and magnetic anomalies determined from an airborne survey flown earlier in the year. Later in the year Cominco carried out reconnaissance scale geological mapping and rock and soil sampling programs and in 1996 carried out one day of regional mapping on the claims. In Jul/97 Cominco optioned the claims to Pacific Bay Minerals Ltd, which carried out a short exploration program in Sep/97. In Nov/98 Pacific Bay returned the claims to Cominco.
The occurrence was restaked within Tin cl 97-196 (YB77185) in Feb/96 by Cominco Ltd which carried out a regional exploration program later in the year (see Minfile Occurrence #105G 016 for earlier work).

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 occurrence is mapped as being underlain by Upper Devonian biotite-muscovite-feldspar quartz psammitic schist and quartz-biotite-muscovite metapelitic schist (Unit Dq; Murphy et al., 2001). Hudson Bay's Bev claims appear to have been mainly underlain by Devonian to Mississippian biotite and chloritic schists. Several ultramafic intrusions and dykes intrude the claims. Ground magnetics and EM geophysical surveys carried out on the entire Bev claim block outlined numerous EM anomalies, some of which were tested with diamond drilling in 1975 and 1976. However, no anomalies associated with this occurrence were tested.
Outcrop on the Chub claims is generally limited to ridge tops and consists of Devonian to Mississippian, massive, well foliated quartz-chlorite-biotite-feldspar phyllitic schists and phyllites with minor dark grey, variably carbonaceous phyllitic argillite and chloritic phyllites. Several magnetic and non-magnetic mafic sills and dykes intrude the sequence. Soil geochemistry revealed a series of weak to strong Cu (51 to 259 ppm) anomalies with a strong Cr-Fe +/- Ni-Ag metal signature in an area of a magnetic mafic intrusion (probably a Pennsylvanian to Permian serpentinized ultramafic intrusion). Follow-up regional mapping in 1996 failed to return any significant results.
Pacific Bay spent one day exploring the Chub claims. A float sample collected from a frost heave in an area of quartz-biotite-chlorite-feldspar phyllitic schist returned 2751 ppm Zn and 10.8 ppm Cd with no associated precious metal values.
Cominco expanded the Tin claims to cover favourable stratigraphy. Soil samples were collected along north trending claim lines and rock samples were collected during regional mapping and prospecting. Soil samples identified spotty anomalous values for Pb (up to 87 ppm), Zn (up to 526 ppm) and Ag (up to 6.5 ppm) scattered throughout the expanded claim block. No significant mineralization was found during the regional mapping and prospecting program.

References

BOND, J.D., MURPHY, D.C., COLPRON, M., GORDEY, S.P., PLOUFFE, A., ROOTS, C.F., LIPOVSKY, P.S., STRONGHILL, G., AND ABBOTT, J.G., 2002. Digital compilation of bedrock geology and till geochemistry, northern Finlayson Lake map area, Southeastern Yukon (105G), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File Report, 2002-7(D) and Geological Survey of Canada Open File 4243.

COMINCO LTD, Jan/96. Assessment Report #093327 by P.A. MacRobbie.

COMINCO LTD, Feb/97. Assessment Report #093550 by Aerodat Inc.

COMINCO LTD, Apr/98. Assessment Report #093717 by D. Senft, D. Hall and T. Bohay.

HUNT, J.A., 2001. Volcanic-associated massive (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeocline, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 12, 107 p.

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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 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.

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.

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.

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.

PACIFIC BAY MINERALS LTD, Jul/98. Assessment Report #093850 by F. Moyle and G. Wesa.

YUKON EXPLORATION AND GEOLOGY 1996, p. 12; 1997, p.11-12.

Work History

Date	Work Type	Comment
12/31/1997	Geology	
12/31/1997	Geochemistry	Also rock sampling.
12/31/1997	Other	
12/31/1996	Geology	
12/31/1996	Geology	
12/31/1994	Geochemistry	Also soil sampling.
12/31/1994	Geology	
12/31/1994	Airborne Geophysics	Also magnetic survey.
12/31/1975	Ground Geophysics	Also EM survey.
12/31/1974	Airborne Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093550	1996	Report on a Helicopter-Borne Electromagnetic and Magnetic Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
093717	1996	1996 Assessment Report Tin and Chub Properties Linecutting, Geological Mapping/Prospecting, Geochemistry, Airborne and Ground Geophysical Surveys	Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other		
060148	1972	Geology and Geochemistry, Hoo Occurrence	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		

Related References

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