Occurrence Details

Occurrence Number: 105G 028
Occurrence Name: Gyp
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 3:21:00 PM

General Information

Secondary Commodities: copper, lead, zinc
Deposit Type(s): Manto Polymetallic Ag-Pb-Zn
Location(s): 61°26'39" N - -130°59'37" W
NTS Mapsheet(s): 105G07
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked in Jan/66 as Gee cl (90172) by Northlake ML (Augustus ML, Copper Ridge ML, Silver Standard ML, Transcontinental Res. L, North Pacific ML) over a showing found by K.G. Sanders and R. Zielinski for Pelly River EL (Pioneer Gold NL, American Standard ML, New York - Alaska Gold Dredging Corp, and Northwest Ventures L) in 1954. Airborne surveys, prospecting, and grid soil sampling were conducted in 1966 (Northlake Area 3).

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 Jurassic intrusions. 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.
The occurrence is underlain by Upper Devonian metasedimentary rocks (Murphy et al., 2001; unit Dq). Metavolcanic rocks of the Fire Lake metavolcanic unit overlie the metasediments to the east. Sanders reported that pyrrhotite with blebs of galena, sphalerite and chalcopyrite occurs in a silicified replacement zone 30 m long and up to 1.2 m thick in flat-lying sericite schist. Northlake was unable to sample the showing due to snow cover throughout the summer. Traces of galena were found in quartz veins near the ridge.

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.

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.

MURPHY, D.C., 1998. Stratigraphic framework for syngenetic occurrences, Yukon-Tanana Terrane south of Finlayson Lake: A Progress Report. In: Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.51-58.

MURPHY, D.C. and PIERCEY, S.J., 1999. 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.

NORTHLAKE MINES LTD, Mar/66. Prospectus Report by P.H. Sevensma.

NORTHLAKE MINES LTD, 1966. Assessment Report *#060252 by N.R. Paterson.

NORTHLAKE MINES LTD, Jan/67. Assessment Report #019114 by A.J. MacDonald.

NORTHLAKE MINES LTD, Jan/67. Assessment Report #019115 by P.H. Sevensma and R.T Heard.

Work History

Date	Work Type	Comment
12/31/1966	Geochemistry	
12/31/1966	Airborne Geophysics	Also magnetic survey.

12/31/1966	Other	
12/31/1954	Other	Discovered zone.
12/13/1966	Ground Geophysics	Also a small amount of gravity.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
060250	1966	Geological, Geochemical, Geophysical & Physical Work Report on the Hoo, EL, Gee Leo, P.S., P.G., C.W. and Z Claim Groups	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Backhoe - Trenching	4	486.46
019114	1966	Report on the Hoo, EL, Gee Leo, P.S., P.G., C.W. and Z Group of Mineral Claim Groups	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Backhoe - Trenching	4	486.46
019115	1966	Northlake Mines Limited, Gee Group of Claims: Report on Airborne Geophysical Surveys	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		