



Occurrence Details

Occurrence Number: 105G 030

Occurrence Name: Pit

Occurrence Type: Hard-rock

Status: Showing

Date printed: 12/16/2025 3:28:03 AM

General Information

Secondary Commodities: copper, gold, silver, uranium, zinc

Deposit Type(s): Unknown

Location(s): 61°23'30" N - -130°56'53" W

NTS Mapsheet(s): 105G07

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Pit cl (68993) in Aug/54 by Pelly River EL (Pioneer Gold ML, American Standard ML, New York-Alaska Gold Dredging Corp and Northwest Ventures L) and optioned to Brikon EL, a syndicate composed of Transcontinental Res L, Dome ML, Timmins Corp, Chemical Research Corp, Sapphire Pet L & Yellowknife Bear ML, which conducted a ground mag survey in 1955. Restaked by Northlake ML (Augustus ML, Silver Standard ML, Copper Ridge ML, Transcontinental Res L and North Pacific ML) as Gee cl (90172) in Jan/66. Later in the year, Northlake flew an airborne mag and EM survey and performed grid soil sampling, mapping and hand trenching.

The Toke cl (YA21495) were staked to the southwest in Jul/77 by Chevron Can L and explored by mapping, soil sampling, hand pitting and ground and radiometric surveys in 1977 and an EM 16 survey in 1979.

Restaked by Cominco Ltd as Canol 1-20 cl in July/94. KRL Resources Ltd staked Canol cl 21-22 (YB70757) and 35-36, 38-40, and 42-46 in Oct/95. The Canol cl 1-20 (YB51288) were transferred to KRL in Dec/95.

The Hot 1-18 claims (YB49632) were staked by Cominco to the northeast in Jun/94. Archer Cathro & Associates (1981) tied the Shot cl 1-36 (YB56059) onto the northern and eastern boundary of the Hot claims in Sept/94. In Mar/96 Archer, Cathro staked Winger cl 1-16 (YB77131) 4 km to the southwest.

In Jul/96 Min Focus International Inc staked Canol cl 47-68 (YB85306).

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 and Cretaceous intrusions. The YTT is a volcanic-plutonic pericratonic arc assemblage that was strongly deformed and metamorphosed by Late Triassic time.

The area overlies Cretaceous granite and Mississippian Grass Lakes Plutonic Suite metaplutonic rocks (Murphy et al., 2001). Sanders described two showings. The main showing on claim Gee 173 is a large piece of massive sulphide, possibly float, which is 1.5 m in diameter and occurs 4.6 m from an intrusive contact. The massive sulphide mineralization consists mainly of pyrrhotite with minor chalcopyrite and sphalerite.

The other showing on claim Gee 179 is a vein which is exposed over a length of 6 m. The hanging wall of the vein contains 0.91 m of massive arsenopyrite and tetrahedrite, while the footwall contains 0.9 m of 'reticulated sulphides'. A sample of massive arsenopyrite assayed 68.6 g/t Ag and trace Au. Northlake designated this occurrence as Area 2.

Northlake located three showings. What is apparently Sanders' main showing was designated as Northlake's Showing 2 and consists of massive pyrrhotite float containing traces of chalcopyrite near a gneiss-schist contact. It forms a prominent gossan 60 m by 30 m. All assays were low. Northlake did not sample Sanders' other showing (2a), but found a new showing (2b) consisting of disseminated pyrrhotite and chalcopyrite in amphibolite, associated with a 30 by 5 m gossan. Assays from this new showing were also low.

The Toke claims cover a porphyritic quartz-monzonite stock containing minor fluorite and tourmaline-bearing quartz veins. A local concentration of radioactive aplite float assayed as high as 0.153% U3O8.

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.

CHEVRON CANADA LTD, 1977. Assessment Report *#090295 by R.J. Cathro.

CHEVRON CANADA LTD, 1980. Assessment Report *#090600 by C.V. Dyson.

MINERAL INDUSTRY REPORT 1977, p. 86-87.

MINIFOCUS INTERNATIONAL INC, Jan/97. Assessment Report *#093580 by J.T. Arengi and G. Harper.

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., 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.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 180.

Work History

Date	Work Type	Comment
12/31/1977	Ground Geophysics	Radiometric surveys on the Tole claims.
12/31/1977	Geochemistry	
12/31/1977	Trenching	
12/31/1966	Geology	
12/31/1966	Geochemistry	
12/31/1966	Trenching	
12/31/1966	Airborne Geophysics	Also magnetic survey.
12/13/1979	Ground Geophysics	
12/13/1977	Geology	
12/13/1955	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094910	2004	A Report of Prospecting and Geophysical Surveys Helen and Gleam Properties	Rock - Geochemistry, EM - Ground Geophysics, Line Cutting - Other, Property Evaluation - Other, Prospecting - Other		
094502	2003	A Report on Prospecting and Geochemical Surveys	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
093580	1996	Report on a Geological Survey on the Canol Group of Claims, Grass Lakes area, Watson Lake Mining District, Yukon Territory, Canada	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
090600	1979	Assessment Report on an EM-16 Survey Conducted July 30 - August 4, 1979, on the TOKE 1 - 36 Mineral Claims in the Watson lake Mining District, Y. T.	EM - Ground Geophysics		
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