



Occurrence Details

Occurrence Number: 105E 006

Occurrence Name: Laberge

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 5/31/2025 8:09:59 AM

General Information

Secondary Commodities: copper

Aliases: Pine Lake

Deposit Type(s): Skarn Cu

Location(s): 61°4'25" N - -135°2'29" W

NTS Mapsheet(s): 105E03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Discovered prior to 1907 and explored by hand trenching. Staked as Jac cl 1-8 (Y8032) in May/66 by J. Smith, who then staked B.Jac cl 1-8 (Y8423) and Go Jac cl 1-8 (Y8431) to the north and south in Jun/66. In Nov/66, R.A. Granger staked Rag cl 1-2 (Y11311) on the eastern edge of the existing claim group probably covering the old hand pits and trenches. In Feb/67 the claim group was optioned to Rexony Mining Company Ltd, which subsequently assigned the option to Pine Lake Mining Company Ltd. Pine Lake then staked Tea cl 1-16 (Y11894), Mtc cl 1-4 (Y11996) and Mtc cl 5-28 (Y12104), also in Feb/67, expanding the claim group to the east and carried out ground and airborne magnetometer surveying, tote road construction, bulldozer trenching, geological mapping and drilled 9 holes (826.9 m) later in the year. Restaked as Kart cl 1-16 (Y62325) in Sep/71 by Caltor Syndicate (Rayrock Mines Ltd, Ashland Oil and Gas, Canadian Industrial Oil and Gas), which in Apr/71 had staked Pine cl 9-56 (Y60444) to the east. In 1972, the company carried out geochemical sampling, EM 16 geophysical surveying and geological mapping. Restaked as Pilon cl 1-24 (Y79518) in Jul/74 by N. Barnett; as Ron cl 1-2 (YA23053) in Aug/78 by R.A. Granger; and as Ddl cl 1-16 (YC08325) in Oct/97 by Nordac Resources Ltd. In 1998 Nordac carried out geological mapping, prospecting, hand trenching and geochemical sampling.

Capsule Geology

Four small skarn showings containing magnetite with minor bornite and chalcopyrite are found 1.5 km east of Lake Laberge. These occur at the contact of Late Triassic Lewes River Group limestone and argillite with several small mid-Cretaceous aged feldspar porphyry stocks. Three holes (98.1 m) were drilled through the skarn-intrusive contact in 1967, but average mineral content was less than 0.1% Cu equivalent. The stocks show weak hydrothermal alteration with minor quartz veining containing chalcopyrite and molybdenum and represent a second type of mineralization. Sampling in 1998 of this porphyry style mineralization returned only background to weakly anomalous Cu values. An intense magnetic anomaly on the northeast side of the lake was explored with 6 holes (728.8 m) but drilling found only magnetite in highly altered argillite and volcanic rocks, possibly of the Middle Triassic Joe Mountain Formation. Sampling by Nordac of the old pits and trenches which exposed narrow veins and small lenses (up to 5 cm thick and about 40 cm in diameter) of semi massive to massive pyrite and pyrrhotite with lesser sphalerite, chalcopyrite and galena within a band of highly oxidized skarn, returned average values of 2.9% Zn, 0.17% Pb, 2.5% Cu, 66.9 g/t Ag and 9.1 g/t Au from seven grab samples. Chip samples from the same area returned only weakly anomalous and suggests that the mineralization is erratically distributed.

References

CALTOR SYNDICATE, Sep/72. Assessment Report #061862 by M.P. Phillips.

DEPARTMENT OF THE INTERIOR, 1907. The Yukon Territory-its History and Resources, p. 51.

GEOLOGICAL SURVEY OF CANADA Paper 67-40, p. 43; Paper 68-68, p. 55-56.

HART, C.J.R., and HUNT, J.A., 1997. Geology of Joe Mountain map area, southern Yukon Territory, 1:50 000-scale map (NTS 105 D/15). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1997-6.

MINERAL INDUSTRY REPORT 1971-72, p. 57.

NORDAC RESOURCES LTD, Apr/99. Assessment Report #093953 by W.D. Eaton.

PINE LAKE MINING COMPANY LTD, Apr/67. Prospectus Report #062054 by A.R. Parker.

PINE LAKE MINING COMPANY LTD, Jun/67. Assessment Report #017747 by R.O. Crosby.

PINE LAKE MINING COMPANY LTD, Aug/67. Engineer's Report by K.G. Sanders and R.A. Hrkac.

TEMPLEMAN-KLUIT, D., 1978. Geology of the Laberge map area, Yukon Territory, 1:250 000-scale map (NTS 105 E). Geological Survey of Canada Open File 578.

Work History

Date	Work Type	Comment
12/31/1998	Geology	

12/31/1998	Geochemistry	
12/31/1998	Trenching	
12/31/1998	Other	
12/31/1972	Geology	
12/31/1972	Geochemistry	
12/31/1972	Ground Geophysics	
12/31/1967	Drilling	Nine holes, 826.9 m.
12/31/1967	Geology	
12/31/1967	Trenching	
12/31/1967	Airborne Geophysics	
12/31/1907	Trenching	
12/13/1967	Ground Geophysics	
12/13/1967	Development, Surface	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096427	2012	Soil Geochemistry at the DDL Property	Soil - Geochemistry		
095813	2011	Soil Geochemistry at the DDL Property	Soil - Geochemistry		
093953	1998	Assessment Report Describing Geological Mapping, Prospecting and Soil Geochemistry on the DDL Property	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
061862	1972	Geological Report for Caltor Syndicate, Kart 1-16 Claim Group	Detailed Bedrock Mapping - Geology		
017747	1967	Report on Airborne Magnetic Survey on the ""Jac-Tea-M.T.C. Claim Group""	Magnetic - Airborne Geophysics		
062054	1967	Engineers Report on the Jac - Tea - M.T.C Claim Group	Research/Summarize - Pre-existing Data		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC014236	Prospectus - April 1967 - Pine Lake Mining Company Limited - Including engineer's report on the Jac-Tea-M.T.C. claim group by Ace R. Parker		Property File Collection	Report
ARMC014237	Correspondence RE: property submission - Pine Lake Mining Company Limited		Property File Collection	Miscellaneous Company Documents