



Occurrence Details

Occurrence Number: 115G 016
Occurrence Name: Glen
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 5:55:55 PM

General Information

Secondary Commodities: copper, gold, nickel
Deposit Type(s): Ultramafic Mafic Gabbroid Cu-Ni-PGE
Location(s): 61°22'25" N - -139°19'26" W
NTS Mapsheet(s): 115G06
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bert cl (64120) in Aug/52 by Hudson Bay Mining and Smelting as part of a large block extending southeast from Wellgreen. Following prospecting and geophysical surveys, Hudson Bay drilled 5 holes (210.3 m) in 1954 on Bert #19 claim. The property was fringe staked as Rex cl (63371) in 1952 by Conwest and as Vic cl (68684) by Transcontinental Res L, neither of which filed any work.

Restaked as Glen cl (Y11400) in Dec/66 by Alice Lake Mines Ltd which conducted magnetic and EM surveys and drilled 2 holes (218.5 m) in 1967. Alice Lake restaked the showing in Sep/72 as Mary cl (Y67164) and conducted further geophysical, geochemical and geological surveys.

Restaked as Den, Sue, Wen, Jo etc cl (YA23529) in Aug/78 by L.B. Halferdahl and Assoc (BUR Syndicate), which explored with mapping, deep soil sampling (up to 0.9 m) and a mag survey in 1979-80, trenching and 5 holes (297.2 m) in 1981, 3 holes (273.1 m) in 1982 and more sampling and mapping in 1983 and 1984. The property was transferred to Tatam Resources Ltd, which drilled on the Wen 7 and JV 40 claims in 1985 and explored with trail construction, stripping, trenching and geological and geochemical surveys on the JY claims in 1986.

In 1987, the claims were transferred to Nathan Minerals Inc which explored with trenching and drilling later that year and airborne and ground magnetic and VLF surveys and soil sampling in 1988, geophysical surveys and trenching and 728 m of drilling (10 holes) in 1989. Nathan Minerals performed 48 line-km of magnetic surveys and 2 696 m³ of trenching in 1990 and minor road work in 1991.

Capsule Geology

Minor amounts of pyrrhotite, pentlandite and chalcopyrite are exposed on the north bank of Burwash Creek in an area 6 m by 1.5 m. A grab sample containing 50% sulphides assayed 3.6% Ni and 0.7% Cu. Similar small showings occur 183 m west and 183 m northwest of the main showing and also on the west side of Tatamagouche Creek below the canyon. The showings coincide with EM anomalies at the base of sill-like bodies of Triassic gabbro-peridotite which intrude Lower Permian tuff, sandstone and slate and Permo-Pennsylvanian andesite pyroclastic rocks. In 1967 Alice Lake drilled an EM conductor (Anomaly A), extending west from the showing, with disappointing results. The 1972 work reportedly defined a copper-nickel zone 427 by 732 m.

Halferdahl outlined copper-nickel geochemical anomalies coincident with the basal contacts of the mafic-ultramafic sills, but the 1981 drillholes intersected low nickel and copper values. Later work in Tatamagouche Creek returned trace gold trace gold from pyritic tuff below the peridotite sill. The tuff is highly fractured and altered and contains up to 10% magnetite and pyrite, and minor chalcopyrite. Samples taken in 1988 assayed up to 3% Ni and 2% Cu.

Diamond drilling on the Sue 2 claim in 1989 (DDH 89-9 and 89-10) was intended to test a platinum anomaly in peridotite which was identified by 1987 percussion drilling. Both holes had to be abandoned due to poor ground conditions. A south-dipping peridotite body was trenched, sampled and traced by magnetic surveys for a strike length of 2 km.

References

ALICE LAKE MINES LTD, Aug/67. Assessment Report #017951 by L.G. Morrison.

ALICE LAKE MINES LTD, 1967. Assessment Report #019572 by P.E. Walcott.

ALICE LAKE MINES LTD, 1973. Assessment Report #060104 by L.J. Siega.

BURKE, MIKE, 1996. 1995 Yukon mining and exploration overview. In: Yukon Exploration and Geology, 1995, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

BURKE, M.R., 1997. Yukon mining and exploration overview 1996. In: Yukon Exploration and Geology, 1996, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

BURKE, MIKE, 1998. Yukon mining and exploration overview -1997. In: Yukon Exploration and Geology, 1997, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.3-38.

DODDS, C.J., AND CAMPBELL, R.B., 1992. Overview, legend and mineral deposit tabulations for Geological Survey of Canada Open Files 2188, 2189, 2190 and 2191.

GEOLOGICAL SURVEY OF CANADA, Open File 381, p. 56.

GEOLOGICAL SURVEY OF CANADA, Paper 68-68, p. 72-73.

HALFERDAHL and ASSOCIATES LTD, 1979. Assessment Report #090499 by R. Bissonnette.

HALFERDAHL and ASSOCIATES LTD, 1980. Assessment Report #090655 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report #090848 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report *#090875 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report *#090891 by D.B. Nelson.

HALFERDAHL and ASSOCIATES LTD, 1982. Assessment Report *#091175 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1982. Assessment Report *#091397 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1983. Assessment Report *#091495 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1984. Assessment Report *#091585 by L.B. Halferdahl.

MINERAL INDUSTRY REPORT, 1978, p. 46.

NATHAN MINERALS INC., Feb/90. Yukon Exploration Incentives Program Report #093112 by L.B. Halferdahl (EIP89-053).

TATAM RESOURCES INC, 1986. Assessment Report *#091796 by L.B. Halferdahl.

TATAM RESOURCES INC, 1986. Assessment Report *#091864 by L.B. Halferdahl.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 256.

| Work History | | |
|--------------|---------------------------|---|
| Date | Work Type | Comment |
| 12/31/1991 | Development, Surface | |
| 12/31/1990 | Ground Geophysics | |
| 12/31/1990 | Trenching | |
| 12/31/1989 | Drilling | Number of holes drilled: 10 Amount of work done: 728 METRES |
| 12/31/1989 | Ground Geophysics | |
| 12/31/1988 | Geochemistry | |
| 12/31/1988 | Ground Geophysics | Also VLF survey. |
| 12/31/1987 | Drilling | one hundred and sixty-six holes, 1,507.8 m. |
| 12/31/1987 | Trenching | |
| 12/31/1985 | Drilling | Four holes, 452.8 m. |
| 12/31/1984 | Geology | |
| 12/31/1984 | Geochemistry | |
| 12/31/1983 | Geology | |
| 12/31/1983 | Lab Work/Physical Studies | |
| 12/31/1982 | Drilling | Three holes, 273.1 m. |
| 12/31/1981 | Drilling | Five holes, 297.2 m. |
| 12/31/1981 | Trenching | |
| 12/31/1980 | Geology | |
| 12/31/1980 | Geochemistry | |
| 12/31/1979 | Geology | |
| 12/31/1979 | Geochemistry | |
| 12/31/1979 | Ground Geophysics | |
| 12/31/1972 | Geology | |
| 12/31/1972 | Geochemistry | Limited sampling. |
| 12/31/1967 | Drilling | Two holes, 218.5 m. |
| 12/31/1954 | Drilling | Five holes, 210.3 m. On Bert #19 claim. |
| 12/31/1954 | Ground Geophysics | |
| 12/31/1952 | Other | |
| 12/13/1988 | Airborne Geophysics | Also VLF survey. |
| 12/13/1984 | Lab Work/Physical Studies | |

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|------------|-------------------|-----------------------|
| 12/13/1984 | Ground Geophysics | |
| 12/13/1967 | Ground Geophysics | Also magnetic survey. |

Assessment Reports that overlap occurrence

| Report Number | Year | Title | Worktypes | Holes Drilled | Meters Drilled |
|------------------------|------|--|---|---------------|----------------|
| 091864 | 1986 | 1986 Geological, Geochemical, and Geophysical Exploration of the Bur Property, Yukon | Bedrock Mapping - Geology, Magnetism - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies | | |
| 091495 | 1983 | 1983 Magnetometer Survey, Soil Sampling and Final Part of Heavy Mineral Sampling of the Bur Property, Yukon | Soil - Geochemistry, Magnetism - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies | | |
| 090875 | 1981 | 1981 Trenching, Stripping, and Drilling of the Bur Property, Yukon Territory | Diamond - Drilling, Mechanical - Trenching | 2 | 143.30 |
| 090655 | 1980 | 1980 Exploration (Geological and Overburden Drilling) of the Bur Property, Yukon Territory | Reverse Circulation - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Bedrock Mapping - Geology | 174 | |
| 060104 | 1972 | Geological Report on Mary Mineral Claims | Rock - Geochemistry, Soil - Geochemistry, Property Evaluation - Other | | |
| 019572 | 1967 | Preliminary Report on a Ground Electromagnetic and Magnetometer Survey, Glen Group, Burwash Creek, Yukon Territory | EM - Ground Geophysics, Magnetism - Ground Geophysics | | |
| 017951 | 1967 | Report on the Glen Mineral Claim Group of Alice Lake Mines Ltd. N. P. L. | Process/Interpret - Pre-existing Data | | |