



Occurrence Details

Occurrence Number: 105D 234

Occurrence Name: Reservoir Lake

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/28/2025 8:19:00 PM

General Information

Secondary Commodities: copper

Aliases: Whitehorse Copper

Deposit Type(s): Skarn

Location(s): 60°43'24.82" N - -135°9'50.79" W

NTS Mapsheet(s): 105D11

Hand Samples Available: No

Last Reviewed:

Capsule

The Whitehorse Copper Belt is located west of Whitehorse and contains 30+ mines, deposits and showings. By 1900, most of the important deposits had been discovered and the first small ore shipment was made that year. Many of the occurrences in the Copper Belt are skarns. The skarns form on or near the contact between the Whitehorse batholith and the Lewes River group. The Whitehorse batholith is commonly a grey coarse-grained hornblende granite and ranges from quartz monzonite to granodiorite to diorite. The Lewes River group contains numerous different rock types, most importantly of which is the limestone group, which is essential in the formation of skarns in the area. A small number of occurrences within the Copper Belt are vein and/or replacement and occur within the Whitehorse batholith granite.

The Reservoir Lake deposit is present within the Whitehorse batholith hornblende granite. The deposit presents itself as a vein style deposit where bornite is present in very thin veinlets along irregular cracks in the granite and is partly altered to malachite in surface exposures. The granite is generally fresh other than some silicification and development of epidote along fractures.

Work History

Date	Work Type	Comment
12/13/1970	Geochemistry	
12/13/1967	Other	
12/13/1967	Ground Geophysics	
12/13/1967	Ground Geophysics	
12/13/1967	Geology	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
092922	1990	Fox 1-16 MC Prospecting, Trenching and Geochemistry	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching		
062018	1973	Preliminary Report on Geological Control to Ore Distribution in the Whitehorse Copper Belt	Reverse Circulation - Drilling, Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies	665	5555
060011	1970	Geochemical Survey - Summer 1970	Soil - Geochemistry		
018884	1967	Geological Mapping, Magnetometer and Electro Magnetic Survey	Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
062227	1966	An Evaluation of the New Imperial Mines Ltd.	Feasibility - Studies		
091123	1964	Summary of assessment work for 316 claims	Diamond - Drilling	46	3652.57

Related References

Number	Title	Page(s)	Reference Type	Document Type
1984-1	The Whitehorse Copper Belt - A Compilation		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)