



Occurrence Details

Occurrence Number: 105D 231

Occurrence Name: Pass Lake

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 3:19:17 PM

General Information

Secondary Commodities: copper, gold

Aliases: Whitehorse Copper

Deposit Type(s): Skarn

Location(s): 60°36'56.69" N - -135°4'31.75" 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 skarn zone is 2 to 5 feet (0.61 – 1.5 m) wide and 100 feet (30 m) long and is composed largely of garnet, calcite, epidote and magnetite. This zone contains minor amounts of chalcopyrite and bornite. Assays contain traces of gold, 0.4% Cu, and 56.65% Fe.

Work History

Date	Work Type	Comment
12/13/1968	Geology	
12/13/1968	Ground Geophysics	
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
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

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)