



Occurrence Details

Occurrence Number: 105D 057

Occurrence Name: Polar

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/28/2025 7:43:18 PM

General Information

Secondary Commodities: antimony, copper, molybdenum

Aliases: Whitehorse Copper

Deposit Type(s): Skarn Cu

Location(s): 60°38'45.22" N - -135°6'10.94" W

NTS Mapsheet(s): 105D11

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Geology

The Whitehorse Copper Belt is located west of Whitehorse and contains 30+ mines, deposits and showings. 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.

In the old showings near Polar Lake, minor chalcopyrite and bornite occur in actinolite-epidote-magnetite skarn at a limestone-intrusive contact and in narrow shears near the contact. The limestone is partly altered to serpentine. A lens of stibnite 4.6 m long and 20 cm wide was found in limestone about 610 m south of the lake in 1966. Four channel samples across widths of 0.9 m to 3 m assayed between 15.5% and 27.5% Sb. The IP survey revealed 3 anomalies, one of which was associated with disseminated pyrite. Only minor copper mineralization was intersected in the drilling. In Hole 1, 0.9 m assayed 0.55% Cu and in Hole 3, several short sections assayed between 0.8 and 1.2% Cu.

Work History

Date	Work Type	Comment
12/31/1972	Trenching	
12/31/1970	Trenching	
12/31/1968	Drilling	Four holes, 454.2 m.
12/31/1967	Other	
12/31/1967	Ground Geophysics	Also IP survey.
12/31/1966	Geology	
12/31/1966	Trenching	
12/31/1960	Ground Geophysics	
12/31/1900	Development, Underground	Drove 4 short adits between 1900 and 1907.
12/13/1968	Geochemistry	

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)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
POLAR-1	Polar	1968	AQ	2	0
POLAR-2	Polar	1968	AQ	2	1