



Occurrence Details

Occurrence Number: 105D 212
Occurrence Name: Suburban
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 4/29/2025 12:10:00 AM

General Information

Primary Commodities: copper, gold
Aliases: Whitehorse Copper
Deposit Type(s): Skarn
Location(s): 60°39'34.45" N - -135°6'49.17" 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. 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 Suburban occurrence is 250m southeast of the Arctic chief deposit and occurs within the same pendant of Lewes River limestone as the Arctic chief. Therefore it is likely that both deposits share similar geology and mineralization. The description for the Arctic Chief is provided below:

The Arctic Chief pendent is characterized by copper rich skarn mineralization along the contact of the Lewes River limestone and the Laberge group greywacke/quartzite. The skarn mineralization consists of born mineralization, chalcopyrite, magnetite, vallerite, chalcocite, tetrahedrite, cuprite and pyrite. The calc-silicate minerals include serpentinite, phlogopite, red garnet, and rare wollastonite.

Between 1900 and 1907 it was determined that the grades ran 0.89% Cu and 1.03 g/t Au. The deposit was not mined.

Work History

Date	Work Type	Comment
12/13/2002	Drilling	2 holes completed
12/13/2002	Geochemistry	
12/13/1980	Drilling	7 holes completed
12/13/1980	Geochemistry	
12/13/1976	Drilling	
12/13/1976	Geochemistry	
12/13/1973	Geology	
12/13/1966	Studies	
12/13/1964	Drilling	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094325	2002	Diamond Drilling on Heather 3 Claim	Diamond - Drilling, Drill Core - Geochemistry	2	118.26
090823	1980	[Diamond Drill Log - Whitehorse Copper Belt]	Diamond - Drilling, Drill Core - Geochemistry	7	1208.83
091229	1976	[Diamond Drilling on the Arctic Chief Property]	Diamond - Drilling, Drill Core - Geochemistry	1	212.44
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
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