



Occurrence Details

Occurrence Number: 105D 229

Occurrence Name: Sue

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 7:53:43 AM

General Information

Primary Commodities: copper, gold, molybdenum

Aliases: Whitehorse Copper

Deposit Type(s): Skarn

Location(s): 60°34'29.17" N - -134°53'57.62" W

NTS Mapsheet(s): 105D10

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 Sue deposit is a skarn within a silicified limestone and carries chalcopyrite, bornite and some molybdenite. The majority of the mineralization is located on the southeast side of a small fault, which strikes N 50° E. A representative ore sample from the dump contained chalcopyrite, garnet, epidote, calcite and some molybdenite, and assayed for traces of gold, 5.3% Cu and 0.56% molybdenum.

Work History

Date	Work Type	Comment
12/13/2014	Pre-existing Data	
12/13/1998	Geochemistry	
12/13/1998	Geochemistry	
12/13/1997	Geochemistry	
12/13/1997	Geology	
12/13/1997	Other	
12/13/1980	Drilling	
12/13/1980	Geochemistry	
12/13/1978	Drilling	
12/13/1974	Drilling	
12/13/1974	Ground Geophysics	
12/13/1974	Geochemistry	
12/13/1974	Other	
12/13/1973	Drilling	
12/13/1973	Geochemistry	
12/13/1971	Drilling	
12/13/1971	Geochemistry	
12/13/1970	Drilling	
12/13/1968	Drilling	
12/13/1968	Geochemistry	
12/13/1966	Studies	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097233	2018	Drilling Assessment Report on the Cowley Park Property	Diamond - Drilling	16	2493.26
096680	2014	Summary Report Documenting the Cowley, Keewenaw and Gem Copper Deposits on the Lobo Property	Research/Summarize - Pre-existing Data		
095193	2008	Drilling and Geophysical Assessment Report on the Whitehorse Copper Belt Project	Diamond - Drilling, Drill Core - Geochemistry, IP - Ground Geophysics	21	2134.10
094024	1998	[Geological Report on the Sue,Jim,Ace,Dennis,Gem and Lobo Claims]	Rock - Geochemistry, Soil - Geochemistry		
094011	1997	Assessment Report Describing Geological and Geochemical Sampling on the Luc 1-27 and Cowley 4-5 Claims	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
090823	1980	[Diamond Drill Log - Whitehorse Copper Belt]	Diamond - Drilling, Drill Core - Geochemistry	7	1208.83
091120	1978	[Drilling on the Sue 3 and 4 Claims, Whitehorse Copper Belt]	Diamond - Drilling	2	300.84
061253	1975	Report on Induced Polarization Survey in the Whitehorse Area	IP - Ground Geophysics		
092025	1974	[Proposed 1974 Exploration of the Cowley Park and War Eagle Properties]	Property Evaluation - Other		
061172	1974	[Proposed 1974 Exploration of the Cowley Park and War Eagle Properties]	Property Evaluation - Other		
061173	1974	Report on Exploratory Work on Whitehorse Copper Belt	Diamond - Drilling, Drill Core - Geochemistry, IP - Ground Geophysics	10	2222.29
091119	1973	[Diamond Drilling on the Sue and Jim Claims]	Diamond - Drilling, Drill Core - Geochemistry	5	787.29
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
091118	1971	[Drilling on the Sue and Jean Claims]	Diamond - Drilling, Drill Core - Geochemistry	66	84.12
090945	1970	[Drilling, Stripping and Road Construction on the Whitehorse Copper Belt Project]	All Weather Road - Development, Surface, Drifting/Raising - Development, Underground, Diamond - Drilling	5	206.96
060526	1968	[Drilling in the Cowley Park Area, Whitehorse Copper Belt]	Diamond - Drilling, Drill Core - Geochemistry	64	79.25
062227	1966	An Evaluation of the New imperial Mines Ltd.	Feasibility - Studies		

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)