



Occurrence Details

Occurrence Number: 105D 230
Occurrence Name: Cowley Park
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 4/28/2025 7:56:59 PM

General Information

Primary Commodities: copper, gold, molybdenum, silver
Aliases: Whitehorse Copper
Deposit Type(s): Skarn
Location(s): 60°34'30.7" N - -134°53'31.27" 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 Cowley Park deposit is a skarn zone located within an easterly trending band of limestone surrounded by hornblende granite. The limestone mass that makes up the Cowley Park deposit is around 3000 ft. (914 m) and reaches a maximum of 1200 ft. (366 m). The skarn is copper stained, and copper minerals include bornite and chalcopyrite. Mineralization includes andradite, epidote, calcite, quartz, magnetite, wollastonite, and minor molybdenite.

A reserve estimate from 1971 concluded that there is 885 047 tonnes of ore at 0.89% Cu.

Work History		
Date	Work Type	Comment
12/13/2014	Pre-existing Data	
12/13/2008	Drilling	
12/13/1998	Geochemistry	
12/13/1998	Geochemistry	
12/13/1998	Ground Geophysics	
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	
12/13/1968	Drilling	
12/13/1968	Geology	
12/13/1968	Ground Geophysics	
12/13/1968	Ground Geophysics	
12/13/1968	Geochemistry	
12/13/1967	Ground Geophysics	
12/13/1966	Studies	
12/13/1965	Drilling	
12/13/1965	Geology	

12/13/1964	Drilling	
12/13/1964	Ground Geophysics	

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
097049	2017	Drilling Assessment Report on the Cowley Park property	Diamond - Drilling, Diamond - Drilling	9	1559
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
091121	1979	[Diamond Drilling on the Jim and Sue Mineral Claims]	Diamond - Drilling	8	872
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)
ARMC004779	Sketch maps of Cowley Park area		Property File Collection	Geoscience Map (General)
ARMC004845	Exploration composite map - Cowley Park		Property File Collection	Geoscience Map (General)
ARMC004855	Correspondence Re: Cowley Park - Surface drilling		Property File Collection	Miscellaneous Company Documents
ARMC004849	Location map - Cowley Park		Property File Collection	Geoscience Map (General)
ARMC004848	Map - Section 80E - Cowley Park		Property File Collection	Geoscience Map (General)
ARMC004854	Correspondence Re: Mining of Cowley Park		Property File Collection	Miscellaneous Company Documents
ARMC004852	Correspondence Re: Cowley Park		Property File Collection	Miscellaneous Company Documents
ARMC004851	Correspondence Re: Cowley Park south zone reserves		Property File Collection	Miscellaneous Company Documents
ARMC004844	Exploration composite map - Keewenaw and Cowley Park - Figure 7		Property File Collection	Geoscience Map (General)
ARMC004847	G816 proton magnetometer map - Cowley Park		Property File Collection	Geophysical Map
ARMC004834	Exploration composite map - Keewenaw and Cowley Park		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC004846	Sketch map showing the area of mineralization - Cowley Park		Property File Collection	Geoscience Map (General)

