



Occurrence Details

Occurrence Number: 105C 029
Occurrence Name: Mccleery
Occurrence Type: Hard-rock
Status: Showing
Date printed: 6/16/2025 1:14:56 AM

General Information

Primary Commodities: cobalt, copper, gold, silver
Secondary Commodities: fluorite, tin
Deposit Type(s): Skarn
Location(s): 60°19'5" N - -132°2'1" W
NTS Mapsheet(s): 105C08
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Exploration History

Staked as Surething and Jackaloo cl (Y83189) in Aug/74 by R.J. Fleming and optioned during 1975 by United Keno E (United Keno Hill ML & Falconbridge Nickel ML), which mapped and geochem sampled later in the year. Restaked as CAL cl (YA68884) in Aug/82 by DC Synd (Dome & Cominco), which explored with mapping and sampling in 1982 and mapping and a mag survey in 1983. In Apr/97 Fairfield Minerals Ltd staked C.C. cl 1-30 (YB89112) 7 km to the south. The company staked C.C. cl 31-44 (YB89977) in Sep/97. In 1998, Fairfield conducted a soil sampling program. The program identified coincident anomalous Cu, Pb and Zn values extending northwest from the "Discovery Showing", as well as high gold soil geochemical values at the "claim post showing" to the north. Blast trenching was completed at both showings, returning anomalous gold values to 338 ppb from the Claim Post showing (Jakubowski and Balon, 1998). In April 1999, Brett Resources Inc. optioned the CC 7-54 claims from Fairfield Minerals and conducted a brief program of geological mapping and limited rock sampling. The claims were later allowed to lapse. In 2017, Overland Resources (BC) Ltd staked the MM 1-42 claims and in 2018, Overland added the MM 43-184 claims, extending the claim block to the north and southwest. Later in 2018, Geotech Ltd. conducted a helicopter-borne Versatile Time Domain Electromagnetic (VTEM) and magnetometer survey across the entire property. In 2020, Overland conducted a small program of prospecting, rock and soil sampling.

Capsule Geology

The showing is underlain by highly deformed limestone and clastics of the Mississippian Englishman's Group, intruded by Cretaceous granite and granodiorite. Chalcopyrite and bornite occur as pods along tension fractures in a skarn-hornfels zone at the contact. Gangue minerals include pyrrhotite, pyrite, magnetite, specularite and fluorite. Three main areas of mineralization were identified. An actinolite-tourmaline-garnet skarn containing magnetite, pyrrhotite and minor chalcopyrite is exposed over an area 80 by 125 m on the Cal 13 claim. A chip sample returned 0.03% Sn and 0.008% W over 2.5 m. At the centre of the claim block, a skarn zone about 30 m long is developed at the contact of a 30 m wide limestone lens. Magnetite and chalcopyrite are present in bands up to 3 m wide. The best assay returned 1.13% Cu and 43.9 g/t Ag over 3 m. At the southeast corner of the property, a skarn zone 7 m long and 5 m wide returned an assay of 11.7% Cu and 390.8 g/t silver across 2.4 m. A nearby specimen of limestone with minor erythrite assayed 0.76% Co and 14.4 g/t Ag.

Work History

Date	Work Type	Comment
6/1/2020	Other	
2/1/2021	Geochemistry	
2/1/2021	Geology	
2/1/2021	Geochemistry	
2/1/2021	Geochemistry	
2/1/2021	Other	
2/1/2020	Geochemistry	
2/1/2020	Geochemistry	
2/1/2020	Geochemistry	
2/1/2018	Airborne Geophysics	
2/1/2018	Airborne Geophysics	
2/1/1983	Geochemistry	
12/31/1983	Geology	
12/31/1983	Ground Geophysics	

12/31/1982	Geology	
12/31/1982	Geochemistry	Also rock sampling.
12/31/1975	Geology	
12/31/1975	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097271	2018	2018 Assessment Report: Airborne VTEM and Magnetic Survey, McCleery Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
091488	1983	Geological - Geophysical Report on the Cal 1-26 Mineral Claims	Rock - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
091447	1982	Geological Report on the Cal 3-26 Claim Group	Bedrock Mapping - Geology		
090006	1975	Geological and Geochemical Report on the Surething (1-3 incl) and Jackaloo (1-8 incl) Mineral Claims, Mt. McLeery Area	Soil - Geochemistry, Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC013455	Property examination - Mt. McCleery occurrences		Property File Collection	Report
02-086	Prospecting and Basic Exploration on Johnson's Crossing Regional PGE Project		Yukon Government: Energy, Mines and Resources	YMEP Report