Occurrence Details

Occurrence Number: 115I 087
Occurrence Name: Kook
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 8/5/2025 8:28:15 AM

General Information

Secondary Commodities: copper, molybdenum
Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 62°18'18" N - -137°14'7" W
NTS Mapsheet(s): 115I06
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bruce, etc cl (85292) in August 1963 and as Merg, etc cl (90684) in September 1964 by Meridian Syndicate (Canex, Noranda & Homestake) under an option of the adjoining Revenue property and explored with mapping and geochemical surveys in 1964.

Re-staked in November 1968 by G. Harris as Porphyry cl (Y29990) and bulldozer trenched in 1969 by Harris and in 1970 by Kaiser Res L & Yukon Revenue ML under option. Fringe staking includes Kook cl (Y38347) in October 1969 by Montana ML, which was explored with geochemical sampling in 1969 and bulldozer trenching in 1970, and Bow cl (Y40571) of Golden Gate EL to the south, explored with an airborne geophysical survey and geochemical sampling in 1970 and bulldozer trenching and more sampling in 1972.

Re-staked as Sey and Bir cl (Y79032) to the north in June 1974 by Conjuror Bay ML, and Zit cl (Y91786) to the south in December 1974 by Klotassin JV (Newconex, Marietta Res Int L and Molybdenum Corp of America), which performed mapping and geochemical sampling in 1975.

Re-staked as Sharon cl (YA82032) in June 1984 by Shakwak ECL, which performed mapping and sampling later in the year. Re-staked in August 1987 as Out cl (YB7655) by R. Stack.

Regional & Property Geology

Metasedimentary Paleozoic roof pendants occur in an area that is mostly underlain by Jurassic Long Lake monzonite, Mid-Cretaceous Whitehorse suite granodiorite and Late Cretaceous Prospector Mountain syenite plugs and stocks (AR 090087; Allan & Friend, 2018).

No mineralization has been found although a copper-molybdenum soil anomaly was outlined on the Bow group and Conjuror Bay reported that low gold assays were obtained from magnetite bearing float. A pyritic shear zone that crosses the southeast corner of the Zit group is probably an extension of a major northwest-trending fault that can be traced along the lower slope of Mt. Freegold (AR 090087).

Work History

Date	Work Type	Comment
12/31/1984	Geology	
12/31/1970	Trenching	
12/31/1969	Trenching	
12/31/1964	Geology	
12/13/1984	Geochemistry	
12/13/1975	Geology	
12/13/1975	Geochemistry	
12/13/1970	Geochemistry	
12/13/1970	Airborne Geophysics	
12/13/1969	Geochemistry	
12/13/1964	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094745	2006	2006 Geophysical Assessment Report on the Freegold Mountain Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		

090087	1975	Geological Mapping, Geochemical and Magnetometer Surveys - Big Creek West, Big Creek East, Bow Creek Properties	Soil - Geochemistry, Regional Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Surveying - Other		
060200	1970	Report on the Geophysical and Geochemical Surveys Ram and Bow Claim Groups	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC016627	Land and disposition and mineral deposits chart - Freegold - Big Creek area		Property File Collection	Geoscience Map (General)
ARMC016626	Geology and mineralization chart - Freegold - Big Creek area		Property File Collection	Geoscience Map (Geological - Bedrock)
YEG2017_4	New contributions to the bedrock geology of the Mount Freegold district, Dawson Range, Yukon (NTS 115I/2, 6 and 7)		Yukon Geological Survey	Annual Report Paper
2018-2	Bedrock geological map of the Mount Freegold district, Dawson Range		Yukon Geological Survey	Open File (Geological - Bedrock)