Occurrence Details

Occurrence Number: 106C 079
Occurrence Name: Highhawk
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 8/5/2025 2:21:49 PM

General Information

Secondary Commodities: lead, mercury, silver, zinc
Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°6'16" N - -132°52'49" W
NTS Mapsheet(s): 106C02
Location Comments: Coordinates supplied by ATAC 2019
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked within Leah cl 1-206 (YA13185) in Oct/76 by a syndicate composed of Newhawk Gold Mines Ltd (formerly Highhawk Mines Ltd), Tenajon Silver Inc (formerly Envoy Resources Ltd), Sproatt Silver Mines Ltd, Hecate Gold Corporation and Suneva Resources Ltd (formerly Bow River Resources Ltd), which explored with mapping and geochem sampling in 1977. The claims were then optioned to a joint venture between Northgate Mines Ltd and Westfield Minerals Ltd, which continued the program later in the year. In 1979, Northair Mines Ltd carried out a Maxmin EM survey over geochem anomalies.

Capsule Geology

The occurrence lies within the Selwyn Basin, a predominantly off-shelf metasedimentary and metavolcanic sequence that formed at the western margin of the North American craton. The area is underlain by Upper Proterozoic to Lower Cambrian siliciclastic and carbonate metasedimentary rocks of the the Hyland Group. Hyland Group rocks are unconformably (?) overlain by Cambrian-Devonian Bouvette Formation limestones and rocks of the Devono-Mississippian Earn Group including black siliceous shale, chert and minor occurrences of felsic volcanic rocks and associated barite. Rocks in the area have been deformed to various degrees by regional faulting and thrusting resulting in younger units being juxtaposed against older units. The south-dipping Dawson Thrust Fault lies to the north of the occurrence.

Cinnabar and native mercury occur in a small fracture zone cutting Late Proterozoic dolomite in a block above the Dawson Thrust on Leah 3 claim. The showing is about 5 m long and 1 m wide. Several conductors were outlined by the 1979 EM survey, some of which correlated with lead-zinc-silver soil anomalies.

Work History

Date	Work Type	Comment
12/31/1979	Ground Geophysics	Max-min EM survey.
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096607	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
096597	2012	Assessment Report Describing Geochemical Sampling, Auger Sampling, Geological Mapping, Diamond Drilling, and Geophysical Surveys	Air Strip - Development, Surface, Auger - Drilling, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other, Hand - Trenching	172	37340.37
095938	2011	Assessment Report Describing Geochemical Sampling, Geological Mapping and Remote Sensing Surveys at the Rackla Gold Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing, Heritage/Archeological - Studies		
090309	1977	Geological, Goechemical and Geophysical Report, Sian Claim Group	Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Self-Potential - Ground Geophysics		
090226	1977	Geochemical and Geological Report on Leah 1-206 and Sandy 1-7	Soil - Geochemistry, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
2016-1	Yukon bedrock geology map		Yukon Geological Survey	Open File (Geological - Bedrock)