



## Occurrence Details

**Occurrence Number:** 106C 080  
**Occurrence Name:** Leah  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 8/5/2025 6:05:53 PM

## General Information

**Secondary Commodities:** lead, silver, zinc  
**Deposit Type(s):** Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)  
**Location(s):** 64°6'44.73" N - -132°58'54.86" W  
**NTS Mapsheet(s):** 106C02  
**Location Comments:** Coordinates supplied by ATAC 2019  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked as three adjoining blocks of Leah cl 1-206 (YA13155) 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 before optioning the claims to a joint venture between Northgate Mines and Westfield Minerals Ltd, which continued the program later in the year.

The adjoining Star cl 1-32 (YA13367) were tied on to the north in Oct/76 by T. Cross and M. Bratlien and optioned to Prism Resources Ltd, which explored with mapping and geochem surveys in 1977. On the south side, the Lee & Nod cl (YA13915) were tied on in Dec/76 by J.B. O'Neill and optioned to Tay River Mines L, and G. Bleiler added Hill & Don cl (YA15752) in Jul/77. The syndicate conducted more mapping in 1978 and in 1979, Northair Mines Ltd carried out a Maxmin EM survey over the 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.

Several small galena-sphalerite showings and lead-zinc geochemical anomalies are associated with a Late Proterozoic dolomite member of the Hyland Group, in the hanging wall of the Dawson Thrust. Mineralization was also reported from the Star claims. 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.
12/31/1978	Geology	
12/31/1977	Geology	
12/31/1977	Geochemistry	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096607</a>	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		
<a href="#">096597</a>	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
<a href="#">095938</a>	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		
<a href="#">090520</a>	1979	Geophysical Report on a Horizontal Loop Electromagnetometer Survey	EM - Ground Geophysics		

<a href="#">061575</a>	1977	Geology Evaluation Report, Ortell Lake Area, Leah 57-72, Leah 105-120, Leah 175A and 176A and Leah 177-190 Claim Group	Research/Summarize - Pre-existing Data		
<a href="#">061856</a>	1977	Geology Evaluation Report, Ortell Lake Area, Leah 57-72, Leah 105-120, Leah 175A and 176A and Leah 177-190 Claim Group	Research/Summarize - Pre-existing Data		
<a href="#">090226</a>	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
<a href="#">2016-1</a>	Yukon bedrock geology map		Yukon Geological Survey	Open File (Geological - Bedrock)