



Occurrence Details

Occurrence Number: 106D 104

Occurrence Name: McKay Hill - Independence North

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 7:18:00 AM

General Information

Secondary Commodities: copper, gold, lead, silver, zinc

Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation

Location(s): 64°21'4.48" N - -135°21'2.98" W

NTS Mapsheet(s): 106D06

Location Comments: Occurrence location is based upon the location of the Snowdrift Extension vein.

Hand Samples Available: No

Last Reviewed: May 9, 2019

Capsule

Work History

The veins comprising the Independence North occurrence were likely discovered concurrent with exploration dating back to the early 1920s in the McKay Hill area. It is unknown which historic claims the veins encompassed by the Independence North occurrence were on.

The McKay Hill occurrence was restaked as Snoose cl 1-20 (YC56719) in Jul/2007 by M. Bindig and subsequently entered an option agreement with Northex Ventures Inc. who completed reconnaissance prospecting, trench mapping/verification and geochemical rock sampling. In 2008 Northex Ventures completed additional prospecting, trench mapping and geochemical rock sampling, including locating historic mineral workings outside of the historic Central zone (MINFILE 106D 038) over the Bella (MINFILE 106D 100), Red (MINFILE 106D 102), and Falls zones, the Snowdrift Extension vein (MINFILE 106D 104) and White Hill (MINFILE 106D 037) showing.

In 2009, Northex Ventures Inc. was renamed Monster Mining Corp. whom staked the Snoose 21-90 (YD11201) claims in Aug/2009 to wholly expand the borders of the property and cover the Independence North occurrence. Monster Mining Corp. completed a YMIP-funded exploration program completed detailed mapping over the historic Central zone, collection and analysis of 140 soil samples, rock geochemical sampling, prospecting (including the Bella zone and White Hill showing) and petrographic work to verify host lithologies.

In Jul/2010, Monster Mining Corp. added the MK 1-54 (YD34936) claims to the northeast. No work program was recorded until 2011 whereby detailed structural mapping, rock sampling and helicopterborne SkyTEM time domain electromagnetic geophysical survey was completed by Monster Mining Corp. No work program was completed on the claims in 2016, at which time they changed their name to Metallic Minerals Corp.

In Oct/2017, Metallic Minerals Corp. expanded the McKay Hill property to the southeast adding the Snoose 91-116 (YF29091) claims. Metallic completed satellite imagery data collection over the property, mapping (1:250- to 1:30,000-scale), prospecting, geochemical rock sampling, hand-pitting over the No. 6 vein and soil sampling (including sampling over the Independence zone, MINFILE 106D 101).

In 2018, the MK 55-96 (YF29201) were added by Metallic Minerals to the west to cover tracked favourable Marmot Group stratigraphy. Metallic completed property-wide mapping and prospecting, cut 16 excavator and hand-trenches which were geochemically channel sampled, and widespread soil sampling (571 samples).

Capsule Geology

The occurrence area is situated on the north of the saddle comprising the Independence occurrence (MINFILE 106D 101) just west of the Horseshoe Hill peak, which lies east of McKay Hill across a small valley known as Red Gulch, approximately 23.5 km northwest of McQuesten Lake. The area was regionally mapped by L. Green (1972) of the Geological Survey of Canada in 1961 as part of a helicopter-supported party known as Operation Ogilvie. The occurrence was interpreted to be underlain by deformed Upper Proterozoic to Lower Cambrian clastic rocks of the Hyland Group. However, industry mapping over 2009-2018 on the project resulted in the interpretation that the host-lithologies in the area are in fact siliciclastic and hypabyssal volcanic rocks interpreted to belong to the Cambrian to Silurian Marmot Group.

Known mineralization at the Independence North occurrence is currently comprised of 2 veins: the Nash and Snowdrift Extension veins (refer to Metallic Minerals; Sep/2018, Dec/2018 and Jan/2019 New Releases). The Snowdrift Extension vein was located in 2011 via prospecting and reported 98.5 g/t Ag, 0.336 g/t Au and 3.01% Cu from a grab sample. Channel sampling of the Snowdrift Extension vein in 2018 reported 22 g/t Ag, 0.084 g/t Au and 0.76% Cu (Metallic Minerals, Jan/2019 News Release). The Snowdrift Extension vein is described as a massive, milky white, locally vuggy quartz vein with copper-oxide fracture-coated malachite and azurite, trace tetrahedrite, scorodite and arsenopyrite.

The Nash vein was sampled and mapped in 2018 and a grab sample reported 28.8 g/t Ag, 13.54% Pb and 1.11% Cu (Metallic Minerals, Jan/2019 News Release).

2018 soil sampling coverage of the Snowdrift Extension area highlighted a discrete anomaly covering the vein (Metallic Minerals, Dec/2018 News Release). No further results are available at the time of writing.

Work History

Date	Work Type	Comment
12/13/2018	Geochemistry	
12/13/2018	Other	
12/13/2018	Geology	
12/13/2017	Airphotography	50cm per-pixel orthophotography.
12/13/2011	Geochemistry	

12/13/2011	Airborne Geophysics	Property-wide helicopterborne SkyTEM time-domain electromagnetic survey .
12/13/2011	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097281	2018	2018 Assessment Report McKay Hill Project, Yukon	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching, Hand - Trenching		
097282	2017	2017 Assessment Report McKay Hill Project ,Yukon	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
095932	2011	Assessment Report on the 2011 Keno-Lighting Geophysical, Trench Mapping, Soil Geochemistry and Diamond Drilling Program	Electromagnetic - Airborne Geophysics, Reclamation - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Environmental Assessment/Impact - Studies	25	1819.30
095933	2011	Assessment Report on the 2011 McKay Hill Geophysical, Mapping and Prospecting Program	Electromagnetic - Airborne Geophysics, Bedrock Mapping - Geology, Prospecting - Other		
095823	2010	Field Reconnaissance Program	Property Evaluation - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC004976	Notes - Galena at McKay Hill & Elsa		Property File Collection	Miscellaneous Company Documents