



Occurrence Details

Occurrence Number: 105M 011
Occurrence Name: Homestake
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 6:50:41 AM

General Information

Secondary Commodities: gold, lead, silver, zinc
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 63°54'26" N - -135°11'12" W
NTS Mapsheet(s): 105M14
Location Comments: location coordinates provided by Alexco
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as Homestake cl (13078) in Jun/20 by L. Walsh etc. Optioned in Jun/28 by T. McKay, who explored with 26.8 m of shafts and 38.4 m of drifting in 1928-31. R.G. Lee purchased control from L. Walsh, etc about 1950.

Optioned in Jun/51 by Lustre Yukon ML and in 1962-63 by United Keno Hill ML, which did extensive bulldozer trenching on two veins. Additional bulldozing financed by B. Kunze in 1966 uncovered a new vein and the property was optioned in 1967 by Hecla Mg C of Can L which carried out 107 m of crosscutting, 143 m of drifting and 203.9 m of underground drilling (4 holes).

The property was transferred to Evelyn Lee in Mar/71 and explored by further trenching in 1974.

Capsule Geology

Both a longitudinal and a transverse-type vein are present. United Keno exposed the longitudinal vein for more than 90 m along strike. Mineralization consists of erratic lenses of arsenopyrite and galena in a quartz carbonate gangue. Arsenopyrite sections assayed as high as 102.9 g/t Au over narrow widths.

A transverse vein was uncovered for a length of 30 m in 1966 with a width varying from 3 to 7.6 m. Mineralization consists of tetrahedrite and galena in a carbonate gangue. A chip sample across a 7.6 m width assayed 1131.4 g/t Ag, 2.2% Pb and 0.5% Zn. No mineralization was found underground, 45 m below the surface trenches.

References

GEOLOGICAL SURVEY OF CANADA Bulletin 111, p. 52-53.

GEOLOGICAL SURVEY OF CANADA Paper 67-40, p. 22.

GEOLOGICAL SURVEY OF CANADA Summary Report 1930.

MAYO MINING RECORDER, 1939.

ROOTS, C.F., AND MURPHY, D.C., 1992. Geology of Mayo Map Area (105M). Geological Survey of Canada Open File 2483.

Work History

Date	Work Type	Comment
12/31/1974	Trenching	
12/31/1967	Drilling	Number of holes drilled: 4 Amount of work done: 203.9 METRES
12/31/1967	Other	Amount of work done: 250 METRES
12/31/1966	Trenching	
12/31/1962	Trenching	
12/31/1928	Other	Amount of work done: 65.2 METRES
12/13/2017	Airphotography	
12/13/2017	Geochemistry	
12/13/2017	Drilling	
12/13/2017	Geology	
12/13/2017	Geochemistry	
12/13/2016	Pre-existing Data	
12/13/2016	Geochemistry	

12/13/2015	Geochemistry	
12/13/2011	Geochemistry	
12/13/2011	Development, Surface	
12/13/2011	Drilling	
12/13/2011	Studies	
12/13/2011	Geochemistry	
12/13/2011	Airborne Geophysics	
12/13/2011	Geology	
12/13/2010	Drilling	
12/13/2010	Trenching	
12/13/2010	Geochemistry	
12/13/2007	Geochemistry	
12/13/2007	Other	
12/13/2007	Trenching	
12/13/2007	Other	
12/13/2007	Other	
12/13/2007	Development, Surface	
12/13/2007	Ground Geophysics	
12/13/2006	Airphotography	
12/13/2006	Airphotography	
12/13/2006	Geochemistry	
12/13/2006	Development, Surface	
12/13/2006	Geology	
12/13/2006	Trenching	
12/13/2006	Airborne Geophysics	
12/13/2006	Development, Surface	
12/13/2006	Airborne Geophysics	
12/13/2006	Other	
12/13/2006	Pre-existing Data	
12/13/2006	Remote Sensing	
12/13/2006	Development, Surface	
12/13/1980	Geochemistry	
12/13/1980	Geology	
12/13/1980	Geochemistry	
12/13/1980	Geochemistry	
12/13/1980	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
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
095600	2006	2005 Assessment Report on the Keno Lightning Property	Rock - Geochemistry, Prospecting - Other		
094943	2006	2006 Geological, Aerial Photography and Orthophoto Assessment Report on the Keno Hill Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Interpretation - Airphotography, Orthophoto - Airphotography, Digitizing Data - Pre-existing Data, Photogrammetry - Remote Sensing		
			Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry,		

091386	1982	Geological and Geochemical Report on the BE Claims	Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		
090782	1980	Geological and Geochemical Report on the BE Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC014876	Homestake showing - samples and property plan - Nordex Exploration Ltd.		Property File Collection	Miscellaneous Company Documents
ARMC014875	A report on the Homestake group - Keno Hill area, Y.T.		Property File Collection	Report
ARMC014877	General geology plan - Homestake group - Keno Hill area, Y.T.		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014878	Copies of longitudinal and cross sections of Homestake property - Keno Hill area		Property File Collection	Geoscience Map (General)
ARMC014879	Copies of sketches - Homestake group		Property File Collection	Geoscience Map (General)
ARMC014880	Assay certificates - Homestake group - File No. 2440-14		Property File Collection	Miscellaneous Company Documents
ARMC007481	Correspondence Re: Homestake property, Bunker Hill area		Property File Collection	Miscellaneous Company Documents