



## Occurrence Details

**Occurrence Number:** 105M 032

**Occurrence Name:** Mt Haldane

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 12/16/2025 9:44:49 PM

## General Information

**Primary Commodities:** lead

**Secondary Commodities:** arsenic, gold, silver, zinc

**Aliases:** Lookout

**Deposit Type(s):** Vein Polymetallic Ag-Pb-Zn+/-Au

**Location(s):** 63°51'53" N - -135°52'8" W

**NTS Mapsheet(s):** 105M13

**Location Comments:** Georeferenced from AR 097337 (Figure 4).

**Hand Samples Available:** No

**Last Reviewed:**

## Capsule

### Work History

Silver-lead mineralization was probably found on Mt Haldane prior to 1906 and was staked as Lookout, etc cl (2332) in March 1915 by A. Johnson and J.V. Smith.

Re-staked by E. Bleiler and M. Ewing in October 1944 as Middlecoff cl (55320), which was optioned in 1952 to Lookout Mountain Mines Ltd., and in 1964 to Silver Titan Mines Ltd., which added DB, May, Ted, etc. cl (83403) in May 1964 and conducted geochemical sampling, bulldozer trenching and adit rehabilitation. The Haldane main zone was discovered about 457 m north of the Johnson zone between 1964 and 1965.

The property was transferred to Haldane Silver Mines Ltd. in 1966. In 1968, Paramount Mining Ltd. acquired control of Haldane Silver Mines Ltd.

Re-staked as Middlecoff, etc cl (YA1913) in April 1967 by M.H. Ewing and optioned in 1978 by Barry Way, who added Gopher, etc cl (YA17722) in April and performed grid soil sampling in 1978-1979.

The property was examined briefly in 1978 by Cortin Project (Billiton Canada Ltd., CCH Resources Ltd., Inco Ltd.). Ewing optioned the property to Barandium Resources Ltd. Barandium changed its name to IGC International Golf Corporation in March 1990. The claims were returned to Ewing in February 1991.

Re-staked as Black cl 1-163 (YC02090) in November 1999 by Expatriate Resources Ltd. which carried out soil sampling and a cursory examination of the veins in 2000.

Re-staked and consolidated as Haldane cl 1-99 by Equity Exploration Consultants Ltd. in 2008 who carried out rock geochemistry and bedrock mapping. Equity optioned the claims to Habanero Resources Inc. in 2010 who carried out prospecting and bedrock mapping. Habanero carried out diamond drilling (1 hole, 306 m), prospecting, bedrock mapping and soil geochemistry in 2011 and further diamond drilling (2 holes, 125.3 m) in 2013.

Alianza Minerals Ltd. entered a purchase agreement in 2018 with Equity for the Haldane claims. Alianza carried out rock and soil geochemistry and bedrock mapping in 2018. In 2020, Alianza drilled 4 holes for 798.6 m, 2 holes in the Mt Haldane target and 2 in the Middlecoff target.

### Regional & Property Geology

The Mt. Haldane area is underlain by the early Carboniferous Keno Hill quartzite. The quartzite overlies mid to late Devonian Earn Group quartz- and feldspar-phyric chloritic phyllite metavolcanics (Roots, 1997). Carbonaceous Earn Group phyllite and siltstone underlie the metavolcanics. A large regional thrust fault, the Robert Service Thrust, is present in the area, which puts Keno Hill quartzite into thrust contact with Proterozoic Hyland group phyllite and schist. Numerous Triassic age metadiorite sills intrude both the Keno Hill quartzite and Earn Group rocks located around the occurrence. Several small Cretaceous age granitic dykes and intrusions also intrude the sequence (AR 097320).

### Mineralization & Results

The Mt. Haldane vein system contains three main mineralized zones, named from north to south, Middlecoff (MINFILE occurrence 105M 149), Johnson (MINFILE occurrence 105M 148), and Haldane zones. All three zones appear to be part of a single, north-trending, transverse type vein fault with many branches, which cuts the Mississippian aged, Keno Hill quartzite. The vein faults are located in the footwall of the Robert Service Thrust and are believed to cut the thrust and continue into the Hyland Group, although no significant silver mineralization has been discovered above the thrust. Mineralization within the system is primarily galena with manganiferous siderite gangue (AR 095930). Surface mineralization is hosted by manganese and iron oxides breccias (AR 097230).

The main Haldane zone consists of a 20 m by 5.8 m outcrop of strongly oxidized phyllitic quartzite breccia. The breccia consists of manganese oxides and goethite with weakly silicified and sericitized quartzite and diorite breccia clasts. No visible sulphide was noted.

Surface sampling on the Haldane zone in 1964 returned low values, the best being 288 g/t Ag, 0.73% Pb and 1.48% Zn over a width of 8.5 m. The 1978-1979 exploration was mainly directed toward tin and tungsten.

A chip sample taken from the main Haldane zone in 2011 returned 223 g/t Ag, 1.17% Zn, 0.62% Pb and 0.12 g/t Au over 3.6 m. A grab sample taken the same year returned 623 g/t Ag, 1.535% Zn, 0.513% Pb, and 0.029 g/t Au (AR 095930).

Diamond drilling in 2013 intersected 4.78 m of 83.8 g/t Ag, 1.09% Zn, 0.14% Pb, and 0.122 g/t Au, including 217 g/t Ag, 1.51% Zn, 0.06% Pb and 0.197 g/t Au in highly oxidized faults in hole HLD13-12.

## Work History

Date	Work Type	Comment
7/1/2020	Drilling	2 holes, 521.00 m
7/1/2020	Geochemistry	

12/31/2000	Geochemistry	Expatriate collected soil samples along claim lines.
12/31/1979	Geochemistry	
12/31/1978	Geochemistry	
12/31/1964	Trenching	
12/13/2018	Geochemistry	Grab sampling.
12/13/2018	Geochemistry	
12/13/2013	Drilling	Two holes, 125.3 m.
12/13/2013	Geochemistry	
12/13/2011	Geochemistry	Prospecting grab samples.
12/13/2011	Drilling	One holes, 306 m.
12/13/2011	Geochemistry	
12/13/2011	Geochemistry	
12/13/2011	Other	
12/13/2010	Geochemistry	Prospecting grab samples.
12/13/2010	Geology	
12/13/2010	Other	
12/13/2008	Geochemistry	Grab sampling.
12/13/2008	Geology	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">097230</a>	2018	2018 Geology and Geochemical Report on the Haldane Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Mechanical - Trenching		
<a href="#">095930</a>	2011	2011 Geological, Geochemical and Diamond Drilling Report on the Haldane Property	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Line Cutting - Other, Prospecting - Other, Prospecting - Other	18	2809.06
<a href="#">095638</a>	2008	2008 Geological and Geochemical Report on the Haldane Property, Yukon	Rock - Geochemistry, Bedrock Mapping - Geology		
<a href="#">090452</a>	1978	Regional Geochemical Survey-PB 1-2, AG 1-14, Jo, John, Middlecoff, Lowell, etc.	Soil - Geochemistry		
<a href="#">062258</a>	1965	[Summary of the Peso Silver Mines Ltd. Properties]	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data, Resource Estimate - Studies		

### Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC008984</a>	Plan map of underground workings of Yukon Silver-Lead mining company - Ewing-Bleiler property on Mt. Haldane - Mayo M.D.		Property File Collection	Geoscience Map (General)
<a href="#">ARMC007415</a>	Claim map - Sheet 105-M-13 - Mount Haldane		Property File Collection	Geoscience Map (General)
<a href="#">ARMC007359</a>	Report - Mount Haldane silver lead property		Property File Collection	Report
<a href="#">ARMC007360</a>	Recommended exploration report - Mt. Haldane silver-lead property		Property File Collection	Report
<a href="#">ARMC014758</a>	NTS sheet 105M/13 - Mount Haldane with photo interpretation notations		Property File Collection	Geoscience Map (General)
<a href="#">ARMC014769</a>	Haldane Project map showing portals of upper and lower Johnson adits		Property File Collection	Geoscience Map (General)
<a href="#">ARMC014768</a>	Haldane project showing exploration to Dec. 1/64		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC014746</a>	Underground geology - Haldane Silver Mines Ltd.		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC014747</a>	Underground geology - Haldane Silver Mines Ltd. - 105M		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC01</a>	Middlecoff workings - From a tape and Brunton compass survey - Haldane		Property File Collection	Geoscience Map

<a href="#">4771</a>	project		Property File Collection	(Geological - Bedrock)
<a href="#">ARMC01-4770</a>	Geologic and assay plan of Middlecoff workings on Haldane Silver Mines property		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">GM1996-4</a>	Geological Map of Mt. Haldane area, Yukon (105M/13)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Geoscience Map (Geological - Bedrock)
<a href="#">Z</a>	Geology of the Mayo Map Area, Yukon Territory (NTS 105M)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Bulletin