Occurrence Details

Occurrence Number: 105M 150
Occurrence Name: Haldane South
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/6/2025 2:26:24 AM

General Information

Secondary Commodities: arsenic, gold, lead, silver, zinc
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): N - 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.

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.

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 (4 holes, 356 m), prospecting, bedrock mapping and soil geochemistry in 2011.

Alianza Minerals Ltd. entered a purchase agreement in 2018 with Equity for the Haldane claims. Alianza carried out rock geochemistry and bedrock mapping in 2018.

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 metavocanics. 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 Haldane South showing is located 150 m south of the main Haldane showing (MINFILE occurrence 105M 032) and consists of exposed fault scarp outcrop with adjacent breccia and vein mineralization (AR 095930).

Selected grab samples taken in 2011 at Haldane South returned up to 279 g/t Ag, 1.4% Zn, 0.905% Pb and 0.161 g/t Au in oxidized, brecciated quartzite (AR 095930).

Work History

Date	Work Type	Comment
12/13/2018	Geochemistry	Grab sampling.
12/13/2018	Geology	
12/13/2011	Drilling	Four holes, 356 m.
12/13/2011	Geochemistry	
12/13/2011	Geochemistry	

12/13/2011	Other	
12/13/2010	Geochemistry	Grab sampling.
12/13/2010	Geology	
12/13/2010	Other	
12/13/2008	Geochemistry	Grab sampling.
12/13/2008	Geology	

Related References

Number	Title	Page(s)	Reference Type	Document Type
7	Geology of the Mayo Map Area, Yukon Territory (NTS 105M)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Bulletin
GM1996-4	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)