



Occurrence Details

Occurrence Number: 116A 021
Occurrence Name: Philip
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 5:50:35 PM

General Information

Secondary Commodities: copper, gold, silver
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°16'4" N - 137°55'32" W
NTS Mapsheet(s): 116A05
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The northern most showing was staked as Gold cl (Y37945) in Jun/69 by Hart River Mines Ltd, which carried out geological mapping, geochemical sampling and drilled two incomplete holes in 1970, and performed further prospecting in 1971.
Restaked as As cl 1-8 (Y65640) in Aug/72 by Belmoral Mines Ltd, which carried out prospecting in 1972 and prospecting, geological mapping, trenching and geochemical sampling in 1973. The southern showing was restaked within Aussie cl 1-62 (Y90131) in Sep/74 by the Aussie Syndicate (Silver Standard Mines Ltd and Asarco Inc), which carried out geological mapping and geochemical sampling in 1974 and 1975.
Restaked as Lorrie cl 24-57 and 80-81 (YB23265) in Oct/88 by Walhala Exploration Ltd to form a contiguous claim block with claims the company staked earlier in the year to the northeast (Minfile Occurrence #116A 012). Walhala carried out geological mapping and geochemical sampling in 1989.
In 1990 Walhala sold the Lorrie claims to Tombstone Explorations Company Ltd, which staked Jamie cl 5-215 (YB30680) in Jun/90 to surround the Lorrie claims and carried out prospecting, geological mapping and geochemical sampling of the claim group later that year.
Placer Dome Inc optioned the property in 1991 and performed prospecting, mapping and geochemical sampling before relinquishing the option in Dec/91.
In Sep/97 Homestake Canada Inc staked Java cl 62-79 (YB05301) on the northwest boundary of Tombstone Resources' Lorri and Jamie claims. In Nov/97 Homestake Canada Inc optioned the remaining Lorri and Jamie claims (Mike Lake property), from the company and carried out geological mapping, geochemical sampling, blast trenching, airborne and ground geophysical surveying between June and Sep/98. Homestake subsequently dropped the option and returned the property to Tombstone in Jul/99.

Capsule Geology

Gold, silver and copper occur in hornfels near the contact between pyritic shale, quartzite and dolomite of the Cambrian to Ordovician Rabbitkettle assemblage and a small mid-Cretaceous syenite stock. The argillite-syenite contact is marked by a zone of rusty hornfels containing pyrite and pyrrhotite. Two showings are known: north (occurrence A) and south (occurrence B).
At the north showing, arsenopyrite, chalcopyrite, pyrrhotite and pyrite occur in quartz-filled tension fractures cutting syenite. Early reports document assays up to 0.9% Cu, 278.7 g/t Au and 76.8 g/t Ag, although most values were much lower. Walhala Explorations obtained assays of up to 32.9 g/t Au, 13.3 g/t Ag and 2.99% Cu from vein material in this area (Lorrie cl 13, 14 and 15), and highly anomalous values of As (>30 000 ppm), Ba (5 000 ppm), Sb (11 200 ppm), and to a lesser extent Hg (2 950 ppb) and W (536 ppm).
The south showing consists of disseminated chalcopyrite and arsenopyrite in hornfelsed sedimentary rocks cut by numerous dykes and sills. Samples collected by Walhala Explorations from rusty hornfels (on Lorrie cl 10) returned anomalous gold, arsenic, copper and zinc values. One sample assayed 6.2% Cu.
Homestake discovered a zone of metasomatic alteration and widespread gold/copper sulfide mineralization 0.5 km southeast of the south showing, which they called Skarn Ridge. The zone which measures approximately 700 by 1 000 m is crosscut by several strong Max/Min conductors and returned anomalous Au/As/Cu/Bi geochemistry. Values up to 387.5 g/t Au were obtained from selected grab samples and 2.0 g/t Au from soil samples. Four of eight trenches in the area exposed bedrock for sampling and the best intervals included 14.5 g/t Au over 6.0 m from Trench #1 and 2.54 g/t Au over 12.0 m from Trench #4. Strong copper values were also obtained from these trenches and included 5 084 ppm Cu over 28 m from Trench #4 and 4 213 ppm Cu over 61 m from Trench #1.

References

BELMORAL MINES LTD, Jan/73. Assessment Report #061138 by R.H.D. Philp.
BELMORAL MINES LTD, Oct/73. Assessment Report #060904 by J. Needoba.
BELMORAL MINES LTD, Jun/74. Assessment Report #061494 by H.J. Toohey.
HOMESTAKE CANADA INC, Dec/98. Assessment Report #093922 by D. Bordin et al.
PLACER DOME EXPLORATION LTD, Dec/91. Assessment Report #093010 by D.M. Strain.
TOMBSTONE EXPLORATIONS COMPANY LTD, Dec/90. Assessment Report #092912 by H.J. Keyser and J.L. Laudon.
WALHALA EXPLORATIONS LTD, Mar/90. Assessment Report #092817 by R.A. Doherty.
YUKON EXPLORATION AND GEOLOGY 1998, p. 10, 28.

Work History

Date	Work Type	Comment

12/31/1998	Geochemistry	Also soil sampling.
12/31/1998	Geology	
12/31/1998	Ground Geophysics	Max Min survey
12/31/1991	Geochemistry	Also soil sampling, reconnaissance scale.
12/31/1991	Geology	
12/31/1991	Other	
12/31/1989	Geochemistry	Also 6 soil samples.
12/31/1989	Geology	
12/31/1975	Geochemistry	
12/31/1975	Geology	
12/31/1974	Geochemistry	
12/31/1974	Geology	
12/31/1973	Geology	
12/31/1973	Trenching	
12/31/1972	Geology	
12/31/1972	Other	
12/31/1970	Geochemistry	
12/31/1970	Geology	
12/13/1998	Airborne Geophysics	Also magnetometer survey.
12/13/1990	Geochemistry	Also silt and soil samples.
12/13/1990	Geology	
12/13/1990	Other	
12/13/1973	Geochemistry	
12/13/1970	Drilling	Two holes, no footage reported.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096411	2013	Airborne Geophysical Interpretation of the Mike Lake Property	Electromagnetic - Airborne Geophysics, Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
095119	2008	Assessment Report Describing Geology, Mineralization and Diamond Drilling at the Mike Lake Property	Diamond - Drilling, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other, Environmental Assessment/Impact - Studies	68	10004
095029	2007	Assessment Report Describing the Geology, Mineralization and Diamond Drilling of the Mike Lake Property	Diamond - Drilling, Bedrock Mapping - Geology, Prospecting - Other	9	1822
094614	2005	Assessment Report Describing the Geology, Geophysics and Diamond Drilling of the Mike Lake Property	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics	19	2462.55
094574	2004	Assessment Report Describing the Geology, Geochemistry and Prospecting at the Mike Lake Property	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		
094510	2004	Assessment Report Describing the Geology, Geochemistry and Prospecting at the Mike Lake Property	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093922	1998	Assessment Report 1998 Geological, Geochemical and Geophysical Program Mike Lake Property	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Handblast - Trenching		
093010	1991	Geological and Geochemical Report on the LORRIE Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
092912	1990	Report on the 1990 Geological and Geochemical Exploration Work on the Lorrie Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
090917	1981	Report for Assessment Lake 1-30 Claims	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Data Compilation - Pre-existing Data		
061494	1974	Addendum Report, Proposed Exploration Program, AS and GH Mineral Claims	Property Evaluation - Other		
060904	1973	Geological Report on the AA and GH Mineral Claims	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		

061138	1972	Report on the AS Claim Group	Rock - Geochemistry, Prospecting - Other, Hand - Trenching		
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Related References

Number	Title	Page(s)	Reference Type	Document Type
BROCK000007	Geochemical survey maps - Mike Lake Intrusion, Lorrie Lake Intrusion, and Anvil Lake Intrusion		Property File Collection	Geochemical Map
BROCK000008	Sample location and rock geochemistry maps - Au - Lorrie Lake, Mike Lake, and Anvil Lake areas		Property File Collection	Geochemical Map