Occurrence Details

Occurrence Number: 105D 002
Occurrence Name: Lulu
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 5/4/2025 5:12:54 PM

General Information

Secondary Commodities: copper, gold, lead, nickel, silver, zinc
Aliases: Rams Horn
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 60°0'17" N - -134°32'49" W
NTS Mapsheet(s): 105D02
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The initial staking is believed to be Rams Horn cl (157) in Aug/05, although the claim records have been lost. Three short adits and some trenching were present when the first government geologist visited in 1908.
Restaked as Cliff cl 1-6 (92996) in Oct/65 by L.I. Proctor.
Restaked as Lulu cl 1-4 (Y21107) in Oct/67 by G. Wing, who in turn optioned the claims to Tobe Mines Ltd. Tobe Mines carried out preliminary exploration in the summer of 1968 and added Lulu cl 5-16 (Y26217) in Sep/68. In Oct/68 the claims were sold to Premier Mining Corporation Ltd, which conducted magnetic and soil sampling surveys in 1969 and geological mapping and rock sampling in 1971.
Restaked as Stripe cl 1-10 (YA85529) in Oct/84 by United Keno Hill Mines Ltd
Restaked as Str 1-2 (YB27864) in Sep/90 and Str cl 3-6 (YB35643) in Jan/91 by G.S. Davidson for Harris and Associates Exploration. Davidson prospected, mapped and resampled the old adits and trenches in 1990 and 1991.
Restaked as Ram cl 25-37 (YC26647) in Mar/2004 by B. Harris. The claims are part of a larger claim block known as the Rams Horn Property. In the spring of 2004 Harris optioned the property to Ordorado Resources Corp which flew an airborne geophysical survey over the entire property later in the year.

Capsule Geology

The occurrence is located on the eastern side of Windy Arm Lake in the southeast corner of topographic map sheet 105D 02, near the border with British Columbia. J.O. Wheeler re-mapped the area at 1:250 000 scale in 1961 followed by Hart and Radloff in 1990, who re-mapped topographic map sheet 105D 02 as part of a larger 1:50 000 scale regional mapping program.
The area lies within the northern portion of the Cache Creek terrane, a belt of oceanic rocks that extend the length of the Cordilleran in British Columbia northwards into southern Yukon. The geological history of the terrane is generally not well understood and this is especially true of the portion located in the Yukon. In recent years M. Mihalynuk of the British Columbia Geological Survey and others have carried out research in the northern portion of the terrane near Atlin, B.C. (approximately 75 km to southeast) which has increased the knowledge base and has led to the area being referred to as the Atlin Complex.
Due to the difficult terrain and general lack of access, the area around the occurrence has not seen much exploration work. The initial exploration appears to have been related to trying to find gold +/-silver veins similar to those found in the vicinity of the Venus occurrence (Minfile Occurrence #105D 005) located on the west side of Windy Arm Lake.
Early Geological Survey of Canada reports noted that the adits were dug on quartz veins carrying galena, zinc blende, chalcopyrite and pyrite but were likely too narrow to be profitably worked. Wheeler (1961) reported the area is underlain by Pennsylvanian to Permian age metamorphosed volcanic rocks containing minor limestone intervals. Hart and Radloff (1990) reported that the area is underlain by altered basaltic flows, breccia, lithic tuff and diorites and assigned the rocks to the Mississippian Nakina Formation. Recent work completed by Mihalynuk to the south assigns the rocks to the Atlin Complex (Cache Creek Terrane) and suggests a Mississippian through to Lower Jurassic age. Since the veins located at the Venus occurrence cut volcanic rocks of Cretaceous age any mineralization present in the volcanics rocks surrounding this occurrence is likely older.
Scattered quartz veins and lenses with arsenopyrite, pyrrhotite, pyrite, minor galena and chalcopyrite cut altered volcanic rocks, diorite and skarn on the north face of Mt Patterson. Early assays averaged less than 0.3% Cu, 0.1% Ni, 157.7 g/t Ag and 20.6 g/t Au. Read (1968) collected a channel sample across 2.0 m of the best mineralization which assayed 0.8% Cu, 0.3% Ni, 13.7 g/t Ag and 0.17 g/t Au.
The adits were collared on two separate veins. The lower adit follows a 20-75 cm quartz-sulphide lens which strikes 060 and dips 25 north. The lens pinches and swells and is cut off by a fault. Arsenopyrite, galena, sphalerite and chalcopyrite form coarse crystalline masses and fine grained bands. Davidson (1992) obtained an assay of 9.6 g/t Au, 4 045.6 g/t Ag, 5.0% Pb and 9.2% Zn from the mouth of the lower adit.
The upper adit is 10 m long and cuts a 25-50 cm wide quartz-arsenopyrite vein which strikes 055 and dips 45 southeast. Davidson obtained values of 6.3 g/t Au, 285 g/t Ag, 0.36% Cu and >1% Pb from this vein. Massive pyrrhotite in metavolcanic rock from a pit located between the two adits assayed 1.4% Cu and 0.8% Ni.
Seventy-five metres above the upper adit, a 2 m quartz-sulphide lens in rusty greenstone is exposed in three old pits. The lens strikes 035 and dips 45 southeast, and is cut by a thin quartz-arsenopyrite vein which returned a value of 28.4 g/t Au.
Above the old camp site another quartz-sulphide lens is exposed in an open cut. This lens is 50 cm wide and a specimen contained 3.3 g/t Au, 193 g/t Ag, 392 ppm Cu and >1% Pb.

References

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PREMIER MINING CORPORATION LTD, Oct/68. Assessment Report #018869 by W.S. Read.

PREMIER MINING CORPORATION LTD, Jul/71. Assessment Report #091744 by M.P. Phillips.

YUKON EXPLORATION 1987, p. 101.

Work History

Date	Work Type	Comment
12/31/1991	Geochemistry	
12/31/1991	Geology	Mapping and resampling of old adits and trenches.
12/31/1990	Geochemistry	Mapping and resampling of old adits and trenches.
12/31/1990	Geology	Mapping and resampling of old adits and trenches.
12/31/1990	Other	
12/31/1971	Geochemistry	
12/31/1971	Geology	
12/31/1969	Geochemistry	
12/31/1969	Ground Geophysics	
12/31/1908	Development, Underground	Three short adits dug.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094670	2005	2004 Geophysical Assessment Report on the Rams Horn Porperty	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
093016	1991	Assessment Report on the STR 1-2 Claims	Rock - Geochemistry, Prospecting - Other		
091744	1971	Geological Mapping and Sampling, Ram Horn Property	Rock - Geochemistry, Detailed Bedrock Mapping - Geology		
018869	1968	Preliminary Report on the Rams Horn Property, Lulu 1-16 Claim Group	Rock - Geochemistry, Cursory Property Visit - Other, Prospecting - Other		