



Occurrence Details

Occurrence Number: 105D 032
Occurrence Name: Buffalo Hump
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 2:50:07 AM

General Information

Secondary Commodities: gold, lead, silver
Deposit Type(s): Vein Au-Quartz
Location(s): 60°13'52" N - -135°0'8" W
NTS Mapsheet(s): 105D03
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Sunset, Sunrise, Wheaton and Golden Slipper claims (8745) in Aug/06 by G.M. Stevens, who drove a 26 m drift and 6 m cross-cut on the Golden Slipper claim in 1909. The Sunrise, Wheaton and Golden Slipper claims were sold in 1916 to Lottie Anderson, who took them to lease in 1930 and explored with 15 m of adit between 1923-27. They were later sold to Mrs R. Rocki.

The area surrounding the Crown Grants was staked as Alta cl 1-100 (Y8085) in May/66 by Silver Pack Mining Ltd as part of its adjoining Tally Ho property; restaked as EB cl 1-16 (Y78480) in Apr/74 by E. Bernier and as Caribou cl 1-24 (YA62164) in Aug/81 by Westfort Petroleum Ltd, which performed mapping and geochemical sampling later in the year. T. McCrory purchased the Crown Grants and added Buffalo cl 1-12 (YA75776) in Oct/83 and sold the property to Tally-Ho Exploration Ltd later in the year. Tally-Ho performed mapping, sampling and trenching in 1984 on behalf of Wheaton River Joint Venture (Tally-Ho, Euro-Petroleum Corporation and Wesclift Resources Ltd). Wesclift's interest was transferred to Permian Resources Ltd in 1985 when the joint venture explored with mapping and geochemical sampling, bulldozer trenching and 5 percussion holes (240.7 m). Restaked as Tempus Fugit cl 1-4 and 6-16 (YB46407) in Sept/93 by Mountain Highgrade Mines Ltd and Main Street Mining Ltd to surround the Sunrise, Wheaton and Golden Slipper Crown Grants owned by Main Street. The following year the partnership carried out a program of geophysical surveys, sampling, excavator trenching, road building and underground rehabilitation on the claims and the Crown Grants.

Capsule Geology

On the Golden Slipper claim several tons of quartz float was found lying on granitic rocks near the summit of Mount Stevens. The quartz contained small amounts of disseminated galena, free gold and sylvanite and although the source was not located, it appeared not to have travelled far. A quartz vein on the Sunrise claim, to the east, is up to 2.1 m thick and 15 m long and contains some galena, pyrite and native gold. This vein was explored with three short cross-cuts and an open-cut. A galena-bearing sample taken from the Sunrise Vein by MacLean assayed only trace in Au and Ag. Three grab samples from open-cut No. 4 on the Golden Slipper claim averaged 55.2 g/t Au and 1 066.3 g/t Ag. Warren reported that hedleyrite, tellurbismuth, and hessite are present on the property.

Sampling in 1984 returned assays of 41.1 g/t Au, 1 405.7 g/t Ag and 21.9 g/t Au, 1 200.0 g/t Ag on specimens from two adit dumps on the west face of Mount Stevens. In 1985, a 50 cm chip sample across a galena bearing quartz vein (Trench 85-1) assayed 2.5g/t Au and 794.1 g/t Ag. The veins are apparently associated with narrow, northwest-trending rhyolite dikes of Eocene age that cut Triassic volcanic rocks and Cretaceous granodiorite. The 1985 drilling outlined several anomalous zones with the best 1.5 m intersection for Au (740 ppb) in Hole 2 and Ag (25 ppm) in Hole 3.

The 1994 geophysical surveys attempted to locate the mineralized quartz veins. Although the total field magnetic field survey determined that the quartz veins were associated with magnetic lows, the metamorphosed volcanic rocks and the rhyolite dikes also returned magnetic lows. The VLF-EM survey failed to detect the quartz veins. Trenching uncovered several new quartz veins on the summit of Mt Stevens. A 40 cm chip samples taken from a vuggy white quartz vein, containing limonite in its cavities (trench 94-5) assayed 1.95 g/t Au and 64.1 g/t Ag. Rock samples collected from a quartz vein located in the Stevens No. 1 Adit (Golden Slipper Crown Grant) returned up to 49.3 g/t Au and 573.9 g/t Ag.

References

CREAM SILVER MINES LTD, 1974. Assessment Report *#061148 by H.J. Toohey.

GEOLOGICAL SURVEY OF CANADA Memoir 31, p. 107; Memoir 312, p 121-122.

GEOLOGICAL SURVEY OF CANADA Open File 1990-4, p. 50-51.

GEOLOGICAL SURVEY OF CANADA Summary Report 1909, p. 52.

MACLEAN, T.A., 1914. Lode Mining in Yukon. Mines Branch Publication 222, p. 176-178.

MOUNTAIN HIGHGRADE MINES LTD, Mar/95. Assessment Report #093257 by M.A. Power

WARREN, H.V., Dec/46. Telluride in Western Canada. Western Miner, Dec/46, p. 54-60.

TALLY-HO EXPLORATION LTD, Mar/85. Assessment Report *#091622 by G. Macdonald.

TALLY-HO EXPLORATION LTD, Mar/86. Assessment Report #091794 by G.S. Davidson.

WHEATON RIVER JOINT VENTURE, Apr/85. Assessment Report #091626 by G. MacDonald.

YUKON EXPLORATION 1985-86, p. 165.

Work History		
Date	Work Type	Comment
12/31/1994	Development, Underground	
12/31/1994	Ground Geophysics	Total magnetic and VLF-EM surveys.
12/31/1994	Trenching	
12/31/1994	Development, Surface	
12/31/1985	Geology	
12/31/1985	Drilling	Five holes, 240.8 m.
12/31/1985	Geochemistry	
12/31/1985	Trenching	
12/31/1984	Geology	
12/31/1984	Geochemistry	
12/31/1984	Trenching	
12/31/1927	Development, Underground	Work carried out between 1923 and 1927.
12/31/1909	Development, Underground	Drifted and crosscut approximately 32 m.
12/13/1994	Geochemistry	
12/13/1981	Geology	
12/13/1981	Geochemistry	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093257	1994	Geophysical Surveys, Trenching and Underground Rehabilitation Program on the Buffalo Hump Property	All Weather Road - Development, Surface, Rehabilitation - Development, Underground, Rock - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
062218	1986	Summary Evaluation Report on the Tally-Ho Mountain Property	Research/Summarize - Pre-existing Data		
091844	1986	Geological and Geochemical Report on the JL 1-80 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091794	1985	Rotary Percussion Drilling Bufflo 1-12 Mineral Claims	Rotary - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Line Cutting - Other, Mechanical - Trenching	5	240.79
062191	1983	Preliminary Evaluation Report on the Tally-Ho Mountain Property	Rock - Geochemistry, Petrographic - Lab Work/Physical Studies, Line Cutting - Other, Prospecting - Other		
017504	1966	Report on the Geological and Diamond Drill Programs on the Tally-Ho Gulch, Alta and Car Claim Groups	Diamond - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry	5	459.94