



Occurrence Details

Occurrence Number: 105C 008

Occurrence Name: Slate

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 2:10:06 AM

General Information

Secondary Commodities: lead, molybdenum, silver, zinc

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

Location(s): 60°58'43" N - -133°46'5" W

NTS Mapsheet(s): 105C13

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

First staked in 1935, possibly as Anne & Moose cl (18968). Restaked as the Cream cl (56207) in Aug/46 by C. Johnson, and as the Fox cl (Y10623) in Sep/66 by Boswell River ML which performed some trenching and a geochemical survey.

Restaked as HM cl (Y75995) in Jul/73 and as SM cl (Y90711) in Sep/74 by El Paso Mg and Milling C, which conducted mapping and soil sampling in 1975. Exploram Mls L drilled 3 holes (304.8 m) in 1976 under option and the claims later reverted to W. Kuhn, who optioned them to Amoco Can Pet in Mar/79. The SM claims were sold to Tintina Silver ML in 1979.

Yukon Revenue ML tied on YR cl (YA60133) to the SW in May/81 and performed mapping and geochem sampling in 1982. The Grizzly & Bear cl (YA60097) were tied on to the west and north in May/81 by a syndicate composed of Westfort Pet L, Aurum ML, Atlantic Energy Corp, Delta Pet L, and Corsair Pet L, which performed mapping and geochem sampling in 1981 and 1982.

In the summer of 1995 Tintina Silver resampled selected sections of diamond drill core.

Capsule Geology

A 0.6 m wide vein containing galena and sphalerite cuts argillite and talc-chlorite-sericite schist of the Kootenay terrane (Yukon Tanana terrane, Mortensen 1992). These rocks define an antiform with a northeast-trending axis and are intruded by a mafic (lamprophyre?) dyke and to the northeast by a dacite porphyry dyke. Sevensma reported the following assays:

Type Ag (g/t) Pb (%) Zn (%)

Float 3377.05 66.5 -

Float 2886.78 64.6 2.1

60 cm vein 1265.11 31.5 6.6

30 cm vein 510.84 13.3 5.2

The drilling tested a nearby geochemical anomaly and intersected minor galena and sphalerite with up to 5% pyrite. Sulphides are disseminated and form veinlets in a quartz carbonate gangue cementing a breccia zone in graphitic slate and phyllite.

Yukon Revenue reported two soil anomalies with Mo reaching peak values between 50 and 200 ppm. Rhyolite float from an old hand trench assayed up to 0.22% Mo. The Westfort syndicate outlined one weak Mo-Zn-Pb anomaly.

On the adjoining Red Mountain occurrence, Tintina Silver resampled 417 intervals of drill core to investigate whether Red Mountain ore might yield coproduct gold in concentrate and assess the gold distribution within the periphery of the porphyry system, in the Cu enriched zones and in the oxidized cap with a view to directing future underground development into mineralized rather than barren ground.

The results indicate that gold content is inversely related to Mo grade, and does not have preferential distribution related to depth as previously anticipated. Gold concentrations from the copper bearing upper sections of the deposit are equally low as those from its Mo-richer deeper core precluding anticipations of a gold bearing Cu cap or a supergene enrichment zone. Gold mineralization does, however, appear to have an affinity for the peripheries of the deposit, particularly for its northeast portions in the vicinity of the Quartz Eye Diorite dike and surrounding Hornfels where nearly all of the higher grading data have to date been obtained. The majority of the higher grading silver sections are also from holes in the northeast and eastern portions of the deposit, typically represented by grades in the 5- 20 ppm range, possibly also genetically associated with the Quartz Eye Diorite.

Since the northeast portion of the deposit has been designated as the principal entry point for a 3 200 m exploration tunnel into the deposit, it was recommended that future work be directed to optimize exploitation of any incidental reserves that might be encountered in this area.

References

BOSWELL RIVER ML, Nov/66. Prospectus by P.H. Sevensma.

BOSWELL RIVER ML, Oct/68. Assessment Report #018619 by J.L. Walker.

EL PASO MINING AND MILLING COMPANY, 1975. Assessment Report *#090005 by B. Taylor.

EXPLORAM MINERALS LTD, Oct/76. Assessment Report *#091107 by E.D. Cruz.

GORDEY, S.P. AND STEVENS, R.A., 1994: Tectonic framework of the Teslin region. Southern Yukon Territory; in Current Research 1994-A; Geological Survey of Canada, p. 11-18.

GEOLOGICAL SURVEY OF CANADA Memoir 203, p. 24.

MINERAL INDUSTRY REPORT, 1975. p. 96; 1976, p. 148.

MORTENSEN, J.K., 1992: Pre-mid-Mesozoic tectonic evolution of the Yukon-Tanana terrane, Yukon and Alaska; Tectonics, v. 11, no. 4, p. 836-853.

TINTINA MINES LTD, Nov/95. Assessment Report #093354 by A. Turner and S.F. Sabag.

WESTFORT PETROLEUM LIMITED, Mar/82. Assessment Report #091035 by A.S. Denton.

WESTFORT PETROLEUMS LTD et al, May/82. Assessment Report *#091034 by A.S. Denton and J.W. Kerr.

WESTFORT PETROLEUMS LTD et al, Oct/82. Assessment Report *#091380 by R.G. Hilker.

YUKON EXPLORATION AND GEOLOGY 1982. p. 107-109.

YUKON REVENUE MINES LTD, Sep/82. Assessment Report #090937 by G. Lee

Work History

Date	Work Type	Comment
12/31/1995	Other	Tintina Silver resampled selected sections of diamond drill core.
12/31/1982	Geology	
12/31/1982	Other	
12/31/1981	Geology	
12/31/1981	Other	
12/31/1976	Drilling	Number of holes drilled: 3 Amount of work done: 304.8 METRES
12/31/1975	Geology	
12/31/1975	Geochemistry	
12/31/1966	Trenching	
12/31/1966	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097096	2017	Assessment report describing Soil Geochemical Sampling and Prospecting at the Rosy property	Rock - Geochemistry, Soil - Geochemistry		
094623	2006	Report on Geotechnical Site Investigation, Red Mountain Project	Soil - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching		
061858	1979	Report on Red Mountain Molybdenum Property	Data Compilation - Pre-existing Data		
093354	1979	A Preliminary Evaluation of Gold Potential, Red Mountain Molybdenum Deposit	Rock - Geochemistry, Data Compilation - Pre-existing Data		
061962	1979	Report on Red Mountain Molybdenum Property	Data Compilation - Pre-existing Data		
090005	1975	Geological, Geochemical and Geophysical Report on the SM Claims	Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics		
060003	1969	Geochemical Survey, Assessment Work Report on the NW Claim group	Silt - Geochemistry, Soil - Geochemistry		
018619	1968	Geochemical Report; Fox and Star Claim Group	Silt - Geochemistry, Soil - Geochemistry		
018620	1967	Report on Airborne Geophysical Survey, Fox Group of Mineral Claims	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Radiometric - Airborne Geophysics		