



Occurrence Details

Occurrence Number: 115N 123

Occurrence Name: Bedrock

Occurrence Type: Hard-rock

Status: Showing

Date printed: 6/14/2025 6:06:57 PM

General Information

Secondary Commodities: copper, gold, silver

Deposit Type(s): Vein Au-Quartz

Location(s): 63°58'29" N - -140°53'23" W

NTS Mapsheet(s): 115N15

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Moly cl 1-56 (YA65451) in May/83 by Piedmont Exploration Ltd and Last Frontier Enterprises Ltd, which staked Sappo cl 1-16 (YA88192) to the southwest and northeast in Oct/86. L. Molot tied on MM cl 1-18 (YA88208) to the northwest in Oct/86 and carried out geological mapping, prospecting and geochemical sampling in 1987 and 1988. The Ney cl 1-40 (YB4742) were staked to the north of the Sappo claims in Feb/88 by Golden Rum Resources Ltd, which immediately transferred them to J. Bergvinson. In Aug/88 Bergvinson optioned the claims to Layfield Resources Inc, which carried out rock, stream sediment and contour geochemical soil sampling and a single line of magnetometer surveying later in 1988. The Moly claims were transferred to Last Frontier Enterprises Ltd in May/88 and were subsequently returned to Piedmont Exploration Ltd in Jul/96. Restaked as Rock cl 1-6 (YB94769) in Oct/96 by Dredge Master Gold Ltd, which staked Babe cl 1-4 (YB94775) at the same time to surround the two remaining Moly claims on three sides. Dredge Master (L. Turner) staked Key cl 1-26 (YC04629) contiguously north of the Babe claims in Sep/97. In Sep/98, Z. Fras restaked the Babe claims as Zoro cl 1-4 (YC12544). Restaked as Erni cl 1-80 (YC07271) in Jun/98 by J.P. Ross adjoined the Key claims on the southwest side. In Aug/98 Kennecott Canada Exploration Inc staked Sixty cl 1-143 (YC12289) to surround the Key claims on the other three sides, forming a contiguous claim block with other claim groups they had staked or optioned to the north over the previous year (Minfile Occurrences #116C 019, 020, 082 and 146). In Apr/99 Kennecott staked Sixty cl 144-257 (YC13419) at the southeast end of their assembled land package and carried out prospecting, geochemical sampling and airborne geophysical surveying over the claim block before dropping all its options in the area the following year. Ross carried out prospecting and geochemical rock, silt and soil sampling of the Erni claims in 1999 and 2000.

Capsule Geology

A south-dipping thrust fault is inferred to cross the area, separating Late Devonian (?) to mid-Mississippian Nasina assemblage schist and amphibolite (units DMs and DMasc) in the hangingwall from rusty-weathering quartz-muscovite schist of the Permian Klondike Schist assemblage (unit Psqm) in the footwall. A thrust-fault-bounded lense of undated serpentinite (unit Pu), assigned by Mortensen (1996) to the Slide Mountain Terrane (Dawson/Clinton Creek assemblage), occurs along the fault to the east of the occurrence. A vuggy quartz carbonate vein containing no visible sulphides outcrops in the hangingwall of the fault. It is 1 m wide, strikes 140° and dips 38°S. A specimen from the vein assayed 992.5 g/t Ag with 310 ppb Au and 1 140 ppm Cu.

Ross's sampling in 1999 and 2000 was of a reconnaissance nature and was concentrated on the northeastern half of the Erni claims group. Soil sampling returned peak values of 125 ppb Au and 226 ppm As. Extensive silt sampling of Bedrock Creek, which parallels the northeastern boundary of the claim block, produced a number of significantly anomalous results with peak values of 447 ppb Au and 167 ppm As. Comparison of results of -80 mesh vs -200 mesh material clearly showed that analysis of the smaller -200 mesh size fraction returned results that were 3 times stronger than the larger -80 mesh size fraction.

References

KENNECOTT CANADA EXPLORATION INC, Jan/2000. Assessment Report #094055 by R. Hulstein and R. Zuran.

LAYFIELD RESOURCE INC, Mar/89. Assessment Report #092692 by H.J. Keyser.

MOLLOT, L.A., Dec/87. Assessment Report *#091988 by H.J. Keyser.

MOLLOT, L.A., Dec/88. Assessment Report #092594 by H.J. Keyser.

MORTENSEN, J.K., 1988. Geology of Southwestern Dawson Map Area, scale 1:250 000, Geological Survey of Canada, Open File 1927.

MORTENSEN, J.K., 1990. Geology and U-Pb geochronology of the Klondike District, west central Yukon Territory. Canadian Journal of Earth Sciences, v. 27, p. 903-914.

MORTENSEN, J.K., 1996. Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16), scale 1:50 000. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1996-1 (G).

ROSS, J.P., Dec/99. Assessment Report #094047 by J.P. Ross.

ROSS, J.P., Dec/2000. Assessment Report #094133 by J.P. Ross.

ROSS, J.P., Dec/2001. Assessment Report #094269 by J.P. Ross.

YUKON EXPLORATION 1985-86, p. 377; 1987, p. 296; 1988, p. 203.

YUKON EXPLORATION AND GEOLOGY 1999, p. 15.

Work History

| Date | Work Type | Comment |
|------------|-----------|---------|
| 12/31/2000 | Other | |
| 12/31/2000 | Other | |
| 12/31/1999 | Other | |
| 12/31/1999 | Other | |

Assessment Reports that overlap occurrence

| Report Number | Year | Title | Worktypes | Holes Drilled | Meters Drilled |
|------------------------|------|--|---|---------------|----------------|
| 096208 | 2010 | SIXTY MILE Property-2010 Geological, Geochemical, Geophysical and Auger, RAB and Diamond Drilling | Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Auger - Drilling, Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Mechanical - Trenching | 443 | 7289.37 |
| 094504 | 2004 | Geochemical and Prospecting Report on the ERNI 19, 31-40, 51-60, 69-80 Claims-Dawson Mining District | Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other | | |
| 094269 | 2001 | Geochemical and Prospecting on the ERNI 19, 29-40, 49-60, 69-80-Dawson Mining District | Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other | | |
| 094133 | 2000 | Geochemical and Prospecting Report on the ERNI 1-80 Claims-Dawson Mining District | Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other | | |
| 094055 | 1999 | Report on the 1999 Geological, Geochemical and Geophysical Work on the SIXTY MILE Property | Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Mechanical - Trenching | | |
| 094047 | 1999 | Geochemical and Prospecting Report on th ERNI 1-80 Claims-Dawson Mining District | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Heavy Mineral Concentrate - Lab Work/Physical Studies, Prospecting - Other | | |
| 061130 | 1969 | Report on the 1969 Exploration Program in the Sixtymile River Area, Yukon Territory | Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Mechanical - Trenching | 8 | 431.59 |
| 060840 | 1969 | Summary Report for the Connaught Mines Ltd.-Sixty Mile Area, Yukon | Cursory Property Visit - Other, Data Compilation - Pre-existing Data | | |