



Occurrence Details

Occurrence Number: 116C 019
Occurrence Name: Miller
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/16/2025 9:45:32 PM

General Information

Secondary Commodities: lead, silver, zinc
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°1'9" N - 140°55'50" W
NTS Mapsheet(s): 116C02
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Boundary Lode, etc cl (713) in May 1896 by W.R. Lloyd, T. Young, A.G. Blanchard and G.R. Voss. These and nearby claims (Devil's Canyon cl (736) staked in June 1896; Sunnyside cl (1205) staked in Sep/01 by C. Madsen and A. Anderson; Northern Lights cl (1209) staked in Oct/02 by J. Anderson; and Gold Flake, Joliette and Rimourski claims) were explored with shallow hand trenches in 1910-13.
Restaked as Lucky cl (78991) in Sep/61 by Klondike Lode Gold Mines Ltd; as Mary cl (YA10752) in Sep/77 by W. Yaremicio in conjunction with nearby placer mining; and as Mary cl 25-30 (YA55095) in Apr/81.
Noranda staked LGC cl 83-96 (YA87422) to the east in Dec/84 and carried out geochemical sampling in 1985. A joint venture between Rise Resources Ltd (60%) and Dawson Eldorado Mines Ltd (40%) surrounded the Mary cl with Gla cl 1-120 (YB5453) in Jun/88 and the partners carried out geological mapping and geochemical sampling in 1989.
Sixty Mile Enterprises trenched on the Mary claims in 1992 and in Sept/94 carried out an additional 3 285 m3 of machine trenching on the Mary cl 21 (YA47933).
In Aug/98 after optioning the Mary and other adjoining claims in the area (Minfile Occurrences #116C 020, 082 and 146), Kennecott Canada Exploration Inc staked Sixty cl 1-143 (YC12289) to the south. In 1999 Kennecott carried out prospecting, geochemical sampling and airborne geophysical surveying over their combined claim holdings and excavator trenching of six trenches (661 m) south of Miller Creek before dropping all of its options in the area the following year.

Capsule Geology

Minor amounts of galena and sphalerite occur in lensoid quartz veins that cut limy sections within weakly graphitic Late Devonian (?) to mid-Mississippian Nasina assemblage schist of the Yukon Tanana Terrane. A sample of the better mineralized material assayed 3.6% Pb, 4.4% Zn, 48.0 g/t Ag and trace Au. A silicified, dolomitized carbonate layer containing scorodite forms a persistent marker which extends northwesterly across the area. In the northwest corner of the Gla claims a porphyritic diorite plug of Tertiary age intrudes the Nasina assemblage rocks.
Noranda's claims were staked on geochemical anomalies obtained by Glasmacher but follow up work returned negative results except for two manganese stained boulders, one containing 44 ppm Ag and 3 860 ppm Pb and the other 720 ppb Au.
Contour soil sampling in the area of this occurrence by Kennecott returned two samples that were anomalous above the 90th percentile for gold (peak value of 105 ppb Au), based on a sample population of 1 224 samples collected from across the region. A second larger gold in soil anomaly that Kennecott named the Walker Fork anomaly was delineated 2.8 km to the northwest of this occurrence location. Samples collected within the area of the anomaly, which measures 500 x 500 m, had peak values of 800 ppb Au. Analysis of vuggy, chalcidonic quartz +/- graphite vein breccia float boulders, located 1 km north of the soil anomaly, returned a best result of 450 ppb Au.

References

DAWSON ELDORADO MINES LTD and RISE RESOURCES INC, May/89. Assessment Report #092721 by P. Van Angeren.
GEOLOGICAL SURVEY OF CANADA Memoir 123, p. 51-52.
GEOLOGICAL SURVEY OF CANADA Open File 1927.
GLASMACHER, U., 1984. Geology, Petrography and Mineralization in the Sixty Mile Area. Unpublished Diploma Thesis, Technical University of Aachen, Germany.
KENNECOTT CANADA EXPLORATION INC, Jan/2000. Assessment Report #094055 by R. Hulstein and R. Zuran.
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 Sixty Mile 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).
NORANDA EXPLORATION COMPANY LTD, Apr/86. Assessment Report #091797 by M.P. Webster.
YUKON EXPLORATION 1985-86, p. 392; 1989, p. 142.
YUKON EXPLORATION AND GEOLOGY 1999, p. 15.

Work History

Date	Work Type	Comment
12/31/1999	Geochemistry	Also silt and rock sampling.
12/31/1999	Airborne Geophysics	Also radiometric survey.
12/31/1999	Other	
12/31/1994	Trenching	Sixty Mile Enterprises carried out 3,285 m3 of trenching on Mary cl 21
12/31/1992	Trenching	Work done on the Mary claims.
12/31/1989	Geology	
12/31/1989	Geochemistry	
12/31/1989	Other	
12/31/1985	Geochemistry	Also silt sampling.
12/31/1985	Geochemistry	
12/31/1985	Geochemistry	
12/31/1985	Other	
12/31/1910	Trenching	Work continued to 1913.

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
095102	2008	Prospecting and Geological Survey-JED Claims 1-16	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		
092721	1988	Geological and Geochemical Report on the GLA 1-121 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, 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		
017434	1965	Geological and Geochemical Exploration Program-KLONX Claim Groups	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Mechanical - Trenching		