



Occurrence Details

Occurrence Number: 106D 017

Occurrence Name: Rusty

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 8/5/2025 4:04:15 PM

General Information

Secondary Commodities: copper, gold, lead, silver, zinc

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

Location(s): 64°4'34" N - 135°19'20" W

NTS Mapsheet(s): 106D03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Rusty cl 1-8 (Y31385) and Lucky cl 1-8 (Y31393) in Sep/68 and as Bear cl 1-8 (Y32980) in Sep/69 by P. Van Bibber and L. Havranek, who trenched in 1969-72 and 1976-78. The Lucky and Bear claims were optioned in 1980 by Turner Energy & Resources Ltd, which performed bulldozer trenching in 1980 and 1986.

Fringe claims include Otter cl 1-8 (Y33057) in Nov/69 by M. Bursac; Jim cl 1-12 (Y68987) in Oct/72 by I. Ellis; Gray Copper cl 1-2 (YA1410) in Oct/75 by J. Strebchuk. P. Van Bibber tied on Fox cl 1-8 (YA15276) in Jun/77, Rex cl (1-6 YA40062) in Jun/79 and Ox cl 1-6 (YA41714) in Jun/80 and K. Hepner tied on Rafe cl 1-2 (YA76834) to the south in Oct/82. S. Stange tied on Fireweed cl 1-2 (YA77492) to the south in Mar/84, restaked them as Fireweed cl 1-2 (YB03861) in Sep/90 and trenched in 1991.

Capsule Geology

The area has not yet been remapped by the Yukon Geological Survey however C. Roots (1997) of the Geological Survey of Canada under contract with the Exploration and Geological Services Division (now part of the Yukon Geological Survey) remapped topographic map sheet 105M located directly to the south in the mid-1990's. In addition Gordey, Abbott and Roots (1990) remapped topographic map sheets 105M/16, 106D/01 and 106D/07East & 08 respectively in the late 1980's. In 2003 Gordey and Makepeace released a geological compilation of the Yukon which covered this area.

According to Gordey and Makepeace the area is underlain by a sequence of Devonian to Mississippian metasedimentary rocks which have been deformed by metamorphism, folding, thrusting and other forces. Numerous Triassic gabbroic sills intrude the sequence. The occurrence is a north-striking, east-dipping vein zone cutting Earn Group schist and Triassic gabbroic sills. It is exposed for a length of 46 m on the Bear No. 5 claim. The vein varies from 0.9 to 6 m wide and contains minor tetrahedrite, chalcopyrite, galena and sphalerite in a quartz-siderite gangue. Selected specimens returned assays up to 2 771.4 g/t silver and 2% lead. A composite grab sample across 3.7 m at the north of the exposure assayed 1 436.5 g/t silver, 0.7 g/t gold, 0.6% lead, 0.1% zinc and 0.6% copper. Grab samples from elsewhere on the vein assayed only 68.6 to 102.9 g/t silver. Trenching 457 m west on the Lucky 1 and 3 claims exposed evidence of similar veins. A grab sample from one of the trenches assayed 23.3 g/t silver, 0.3 g/t gold and less than 0.1% lead, zinc and copper.

References

ABBOTT, J.G. 1990. Geological map of Mt. Westman map area (106D/1); Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-1.

GORDEY, S.P. 1990. Geological map of the Tiny Island map area (105M16); Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-2.

GORDEY, S.P. AND MAKEPEACE, A.J. 2003: Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

ROOTS, C. 1990. Geology of 106D/8 and 106D/7 (east half) map area; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-3.

ROOTS, C.F., 1997. Bedrock geology of Mayo area, central Yukon (105M0. Exploration and Geological Services Division, Indian and Northern Affairs Canada, Geoscience Map 1997-1, 1:50 000 scale.

ROOTS, C.F., 1997. Geology of the Mayo Map Area, Yukon Territory (105M). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 7, 82p.

Work History

Date	Work Type	Comment
12/31/1986	Trenching	
12/31/1980	Trenching	
12/31/1976	Trenching	
12/31/1969	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled

096732	2014	Assessment Report Describing Metallurgical Test Pits, Metallurgical Auger Drilling, Geotechnical Auger Drilling, Geotechnical Study, Environmental Baseline Studies, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Auger - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	9	96.77
096607	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
060158	1972	Geophysical Report on the Irene, Copper, Tiger, Vern, Vat, Jan, Bobi, Lucky, Bear, Otter, Spring, Silver, Isa, and Punch Claim Groups	EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
060942	1970	Report on Aeromagnetic Survey-Keno Area, Yukon Territory	Magnetic - Airborne Geophysics		