



Occurrence Details

Occurrence Number: 106D 093

Occurrence Name: Zahn

Occurrence Type: Hard-rock

Status: Showing

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General Information

Secondary Commodities: lead, silver, zinc

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

Location(s): 64°0'8" N - 135°7'16" W

NTS Mapsheet(s): 106D03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Two old shafts, a caved adit and a slumped cabin were found (likely in the summer of 1988) at the lower location, (occurrence A) by NDU Resources Ltd, which performed prospecting and sampling nearby but staked no claims. No old claim records or history have been located.

Capsule Geology

The occurrence area is located mid-way up a south facing ridge approximately 3 km southeast of Stand To Hill and 2 to 3 km north of the Ladue River. L.H. Green of the Geological Survey of Canada mapped the area at 1:250 000 scale in 1961 as part of a helicopter-supported party known as "Operation Ogilvie". 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.

Extrapolating C. Roots geological mapping north, occurrence A is underlain by Middle to Late Devonian Earn Group penetratively deformed metasedimentary and metavolcanic rocks. Occurrence B located 1.5 km to the north is underlain by Early Carboniferous Keno Hill Quartzite. The entire sequence is intruded by numerous Triassic aged tabular shaped metamorphosed mafic igneous intrusions. The old workings located at occurrence A, tested ferricrete gossans on a terrace. Sampling of the dumps and immediate vicinity gave background results and no mineralization was found. Prospecting uphill to occurrence B uncovered a 20 cm wide vein cutting Early Carboniferous Hill Quartzite that has been intruded by Triassic greenstone sills. A specimen assayed 435.4 g/t silver, 18.3% lead and 1.4% zinc.

* Archer, Cathro and Associates (1981) Ltd managed NDU Resources' exploration programs. Archer, Cathro also created and maintained the Northern Cordillera Mineral Inventory Database, the predecessor to the Yukon Minfile Database. It's likely Archer, Cathro found the showings during a prospecting traverse and only shared the details with NDU Resources.

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).

GREEN, L.H. 1972. Geology of Nash Creek, Larsen Creek and Dawson Map-Areas, Yukon Territory. Geological Survey of Canada, Memoir 364, p. 139.

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
12/31/1988	Geochemistry	Year Performed is a best guess.
12/31/1988	Other	Year Performed is a best guess.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
			VTEM - Airborne Geophysics, ZTEM - Airborne Geophysics, Mill/Concentrator Construction - Development, Surface, Tailings		

096939	2015	Technical Report and Preliminary Economic Assessment for the Tiger Deposit, Rackla Gold Project	Pond - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Gravity Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Data Compilation - Pre-existing Data, Data Compilation - Pre-existing Data, Environmental Assessment/Impact - Studies, Preliminary Economic Assessment - Studies, Resource Estimate - Studies	150	26846.60
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		
096597	2012	Assessment Report Describing Geochemical Sampling, Auger Sampling, Geological Mapping, Diamond Drilling, and Geophysical Surveys	Air Strip - Development, Surface, Auger - Drilling, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other, Hand - Trenching	172	37340.37
095938	2011	Assessment Report Describing Geochemical Sampling, Geological Mapping and Remote Sensing Surveys at the Rackla Gold Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing, Heritage/Archeological - Studies		
095714	2010	Environmental, Engineering, and Archaeological Work at the ACX Claims Rackla Gold Property	Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies		
094943	2006	2006 Geological, Aerial Photography and Orthophoto Assessment Report on the Keno Hill Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Interpretation - Airphotography, Orthophoto - Airphotography, Digitizing Data - Pre-existing Data, Photogrammetry - Remote Sensing		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
090564	1979	Geological, Geochemical, and Geophysical Report	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Seismic - Ground Geophysics, Research/Summarize - Pre-existing Data		
060942	1970	Report on Aeromagnetic Survey-Keno Area, Yukon Territory	Magnetic - Airborne Geophysics		