



Occurrence Details

Occurrence Number: 105M 015
Occurrence Name: Hogan
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/5/2025 4:04:13 PM

General Information

Secondary Commodities: lead, silver
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 63°54'45" N - -135°15'52" W
NTS Mapsheet(s): 105M14
Location Comments: Location coordinates provided by Alexco
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as David cl (16094) in Nov/25 by W.C. Sime, who carried out hand trenching until Oct/50 when he sold the claim to Canadian Exploration Ltd. The adjoining Fox cl (55592), staked by C. Brefalt in Mar/47 and the David claim were acquired in Feb/51 by Mt Keno Mines Ltd and were explored with a 213.4 m adit by Amco Exploration Inc under option in 1952-53. United Keno Hill Mines Ltd optioned the claims from 1964-74 and carried out geochemical surveying. In 1980 these claims and 23 other claims and fractions (this occurrence and Minfile Occurrence # 105M 016) were optioned and later acquired by Canada Tungsten Mining Corporation Ltd, which carried out geochemical sampling, prospecting and geological mapping during August and Sep/80. Canada Tungsten transferred ownership of the claims to Springmount Operating Company Ltd in May/87. L. Crowther staked Aila cl 1 (YB80813) adjoining to the north in Apr/97. Crowther staked Aila cl 2 (YB98407) in Oct/97. T. Casten staked Star cl 1-2 (YB81025) east of the Aila claims in Jul/97. The Aila claim was restaked as One cl (YC01994) in Sep/99 by W. Mann, who carried out a geochemical soil sampling in Jul/2000.

Capsule Geology

Silver-lead-zinc mineralization in the Elsa-Keno Hill mining camp occurs in north-northeast to east-northeast striking, steeply southeast dipping vein-faults located within a 23 km long by 6 km wide northeast trending belt of rocks on the south dipping limb of the McQuesten Antiform. The mineralized vein faults cut Devonian to Mississippian Earn Group phyllites, Mississippian Keno Hill quartzite and minor phyllite and Triassic meta-diorites. The vein-faults, are brittle displacement zones that show complex variations in style along their length. Narrow discrete planar fault segments pass into zones of tensional veining or shattered rock, brecciation and stockwork veining. The richest deposits occur in the vein-faults which cut the Keno Hill quartzites. Galena and tetrahedrite occur in a narrow transverse-type vein cutting Keno Hill quartzite on the David claim. The mineralization occurs in erratic lenses and underground testing did not locate ore grade material. Soil sampling in this area in 1980 identified a strong linear lead-zinc-silver anomaly coincident with the inferred trace of the (Hogan) vein. Limited soil sampling by Mann on the One claim returned weakly anomalous, non-coincident results for gold, silver and lead. Peak values of 3.8 ppb Au, 1 117 ppb Ag and 41.64 ppm Pb were returned from a total of ten samples.

References

BOND, J.D., 1998. Surficial geology of Keno Hill, Central Yukon, NTS 105M14. Exploration and Geological Services Division, Indian and Northern Affairs, Canada, Geoscience Map 1998-4, 1:50 000-scale map.

CANADA TUNGSTEN MINING CORPORATION LTD, Dec/80. Assessment Report #092043 by G. Norman and M. Philpot.

GEOLOGICAL SURVEY OF CANADA Bulletin 111, p. 46-47.

MANN, W.D., Sep/2000. Assessment Report #094160 by W.D. Mann.

MURPHY, D.C. and ROOTS, C.F., 1996. Geological map of Keno Hill area, Central Yukon (105M/14). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Geoscience Map 1996-5, scale-1:50 000.

MURPHY, D.C., 1997. Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (115P/14, 15,16; 105M/13, 14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6, 122 p.

ROOTS, C.F., 1997. Bedrock geology of Mayo map area, central Yukon (105M). 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, 82 p.

Work History

Date	Work Type	Comment
12/31/2000	Other	
12/31/1980	Geology	

12/31/1980	Trenching	
12/31/1980	Other	
12/31/1964	Other	
12/31/1952	Other	Amount of work done: 213.4 METRES
12/31/1925	Trenching	
12/13/2013	Geochemistry	
12/13/2009	Geochemistry	
12/13/2009	Other	
12/13/2006	Airphotography	
12/13/2006	Airphotography	
12/13/2006	Airborne Geophysics	
12/13/2006	Airborne Geophysics	
12/13/2006	Pre-existing Data	
12/13/2006	Remote Sensing	
12/13/2000	Geochemistry	
12/13/1999	Geochemistry	
12/13/1999	Geochemistry	
12/13/1999	Other	
12/13/1999	Placer Processing	
12/13/1980	Geochemistry	
12/13/1980	Geochemistry	
12/13/1980	Ground Geophysics	
12/13/1980	Pre-existing Data	
12/13/1980	Geology	

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
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		
092043	1980	Geological, Geochemical and Geophysical Report on the Mount Keno Leases	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Research/Summarize - Pre-existing Data, Mechanical - Trenching		
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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
99-058	Summary Report YMIP Grant #99-058 - 1999 Prospecting and Geochemical Surveys on the Highland Lake, Little Salmon Lake, and Keno Hill Areas		Yukon Government: Energy, Mines and Resources	YMEP Report