



Occurrence Details

Occurrence Number: 105M 017
Occurrence Name: Wernecke
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 6:51:32 AM

General Information

Secondary Commodities: gold, lead, silver, zinc
Aliases: Railroad
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 63°57'17" N - -135°17'13" W
NTS Mapsheet(s): 105M14
Location Comments: location coordinates provided by Alexco
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as BI 1 (13142) in Jun/20 by F. McNeill, who explored with shallow shafting. Restaked as Keno etc cl (59609) in Jul/50 by Kenmayo Yukon ML; and restaked as Keno cl (62873) in Aug/55 by M.E. White and J.R. Walli, then optioned to Silden ML. Restaked in Aug/61 by J.B. O'Neill and H. Barchen as the Wernecke cl (80905), which were explored with bulldozing in 1962-63 by Dualco EL (Highland Bell, Leitch, Area ML, Dome ML and Lake Expanse Gold ML). The claims were optioned by R. Murdock in Dec/64 and transferred in Jul/66 to a private company, Cro-Mur Mg & EL, which performed bulldozer trenching, geochem and geophysical surveys and minor diamond drilling in 1966-70. The adjoining New Moon cl (83227) on the southwest side were staked by F. Chudy in Aug/63 and restaked as Arc cl (84565) by Cro-Mur in Aug/66. The Railroad cl (Y6859) were added to the northwest by Cro-Mur and A. Parker in Aug/67 and were explored by airborne and ground geophysical surveys. The Wernecke and Railroad groups were optioned in Mar/79 by Canada Tungsten Mg Corp, which explored by bulldozing, geochem sampling and Maxmin EM later in the year and with 6 drill holes (649.8 m) on the Wernecke No. 1 claim in 1980. Restaked as Bar cl (YA83005) in Jan/86 by A. Barchen, who trenched in 1988. R. Barchen added more Bar cl (YB38371) in Mar/92. Restaked as Jack cl 1-5 (YB65603) and Pot cl 1-5 (YB65604) by J. Hajek in Jul/96. In Jul/97B. Keenan staked Jazz cl 1-18 (YB81005) to the west.

Capsule Geology

One or more transverse type veins occur in schist and greenstone below the Keno Hill Quartzite. One vein, about 45 cm wide, has been traced for a strike length of 122 m. The veins are very weakly mineralized with galena and tetrahedrite. A selected specimen of mineralized material assayed 3901.7 g/t Ag, 24.0 g/t Au, 8.9% Pb and 2.3% Zn. The Cantung trenching partially explored a longitudinal type quartz-arsenopyrite vein with minor gold values but the drilling failed to locate the vein.

References

CANADA TUNGSTEN MINING CORPORATION LTD, 1980. Assessment Report *#090690 by G.A. Rodgers.

CRO-MUR MINING AND EXPLORATION COMPANY LTD, 1968. Assessment Report *#019024 by A.R. Parker.

GEOLOGICAL SURVEY OF CANADA Paper 68-68, p. 25; Paper 69-55, p. 13.

ROOTS, C.F., AND MURPHY, D.C., 1992. Geology of Mayo Map Area (105M). Geological Survey of Canada Open File 2483.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 209.

Work History		
Date	Work Type	Comment
12/31/1988	Trenching	
12/31/1980	Drilling	Six holes, 649.8 m.
12/31/1980	Geochemistry	
12/31/1980	Trenching	
12/31/1979	Geochemistry	
12/31/1979	Ground Geophysics	Max-Min survey.
12/31/1979	Trenching	
12/31/1970	Drilling	
12/31/1970	Trenching	
12/31/1963	Trenching	

12/31/1962	Trenching	
12/31/1920	Development, Underground	Shallow shafting.
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	
12/13/1970	Airborne Geophysics	
12/13/1968	Geochemistry	
12/13/1968	Ground Geophysics	Also magnetic survey.
12/13/1922	Geochemistry	
12/13/1922	Development, Underground	
12/13/1922	Development, Underground	
12/13/1922	Development, Underground	
12/13/1922	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		
090690	1980	[Diamond Drill Logs-Weneke, Railroad and Arc Claims]	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Mechanical - Trenching	6	649.83
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		
019929	1922	[1922 Maps of the Mine Working on Ladue Claim, Sadie-Friendship Group]	Drifting/Raising - Development, Underground, Shaft Development - Development, Underground, Tunnelling - Development, Underground, Rock - Geochemistry, Detailed Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014716	Property submission - Notes: Crow-Mur Mining & Exploration Company - Keno Hill area		Property File Collection	Report