



Occurrence Details

Occurrence Number: 106E 006
Occurrence Name: Chloe
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 4:38:20 AM

General Information

Secondary Commodities: lead, zinc
Deposit Type(s): Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)
Location(s): 65°12'4" N - 134°41'32" W
NTS Mapsheet(s): 106E02
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Chloe cl (YA1132) in Aug/75 by Cyprus Anvil Mg Corp, which carried out mapping and geochem sampling later in the year. Partially restaked as Pool cl (YA16867) in Jul/77 by Pan Ocean OL & Mountaineer ML, which explored with geochem and geophysical surveys in 1979 (see Darney occurrence, Minfile 106E 031). Mountaineer changed its name to Can MI Corp in 1979, while Pan Ocean transferred its mineral holdings to Aberford Res L which later changed its name to Abermin Corp. The KL 1-196 cl (YB29775) were staked by Archer, Cathro and Associates (1981) Ltd in May/93 over this and three other occurrences, Minfile #s 106E 005, 106E 011 and 106E 031. Kennecott Canada Inc. optioned the property and explored with geological mapping and geochemical sampling in 1993.

Capsule Geology

The region is underlain by a metamorphosed and altered sequence of Early Proterozoic Wernecke Supergroup clastic and carbonate rocks (Fairchild Lake Group, Quartet Group and Gillespie Lake Group, from oldest to youngest) that are intruded by Early to Middle Proterozoic mafic sills and dykes, and cut by Middle Proterozoic Wernecke Breccia. The claims are underlain by Early Proterozoic Quartet Group rocks. Vein type mineralization consisting of sphalerite and galena in quartz and dolomite veinlets is found in the area of Chloe and Doug's Creek. Grab samples of this material collected on Doug's Creek returned up to 0.38% lead and 4.33% zinc. Stratabound mineralization in the same area consists of maroon-colored raisin-shaped blebs of sphalerite found in pyritic and pyrrhotite-bearing dolomitic mudstones and siltstones. Rock samples containing <5% disseminated pyrite and pyrrhotite, and little or no vein type mineralization, returned values >400 ppm lead and >1000 ppm zinc. The stratabound mineralization, and many of the associated soil geochemistry anomalies, are hosted by or spatially related to interbedded dolomite-quartz units and black variably siliceous mudstone of Quartet Group. The Pan Ocean work in the 1970s was directed toward uranium potential.

References

CYPRUS ANVIL MINING CORPORATION, 1975. Assessment Report *#090051 by P. Dean.

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).

KENNECOTT CANADA INC, May/94. Assessment Report *#093197 by R. Hulstein.

MINERAL INDUSTRY REPORT 1975, p. 70.

MOUNTAINEER MINES LTD and PAN OCEAN OIL LTD, Feb/79. Assessment Report *#090440 by R.J. Darney et al.

MOUNTAINEER MINES LTD and PAN OCEAN OIL LTD, Jul/80. Assessment Report *#090648 by J.F. Touborg and A.K. Chan.

Work History

Date	Work Type	Comment
12/31/1979	Geochemistry	
12/31/1979	Ground Geophysics	Also spectrometer and alpha-nuclear surveys.
12/31/1975	Geology	
12/31/1975	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
		Mineral Exploration Report for the Curie Property - North Central	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock -		

094954	2006	Mineral Exploration Report for the Curie Property, North Central, Yukon Territory	Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics, Research/Summarize - Pre-existing Data, Backhoe - Trenching		
095603	2006	Assessment Report Describing Airborne Geophysics and Digital Data Compilation at the Win Property	Magnetic - Airborne Geophysics, Data Compilation - Pre-existing Data		
095590	2005	Prospecting, Scintillometer and Gravity Survey at the Curie Property, Northeastern Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Gravity Survey - Ground Geophysics, Scintillometer - Ground Geophysics, Prospecting - Other		
093197	1993	Assessment Report on the 1993 Geological and Geochemical Investigation of the Kiwi Property KL 1-196	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
062055	1980	Report on Geology and Exploration of the Bonnet Plume Basin Yukon Territory	Diamond - Drilling, Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Environmental Assessment/Impact - Studies, Resource Estimate - Studies	53	10700
090648	1979	Report on 1979 Season Fairchild Uranium Program	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gamma-ray Spectrometry - Ground Geophysics, Magnetism - Ground Geophysics, Backhoe - Trenching	17	1548.99
090440	1978	Summary Report on the Kiwi Lake Holdings in the Fairchild Project Area	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Gamma-ray Spectrometry - Ground Geophysics, Magnetism - Ground Geophysics, Hand - Trenching, Handblast - Trenching	8	646.18
090365	1977	Geological and Geochemical Report on the Fox Creek Area Including Deer, Frog, Mosquito, Clam Claim Groups	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Scintillometer - Ground Geophysics		
090162	1976	1976 Exploration Report Gremlin Mineral Claim Group	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
090051	1975	1975 Exploration Report Cloe Mineral Claim Group	Soil - Geochemistry, Bedrock Mapping - Geology		