



Occurrence Details

Occurrence Number: 115H 024
Occurrence Name: Sekulmun
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 6/6/2025 3:41:24 AM

General Information

Secondary Commodities: copper, zinc
Aliases: Cad
Deposit Type(s): Skarn Cu
Location(s): 61°30'27" N - -137°32'36" W
NTS Mapsheet(s): 115H12
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Cad cl (Y35352) in Jun/69 by M. Nichiporick, who carried out geochem sampling and optioned the claims to Crest Dev L in Dec/69. The option was transferred in 1970 to Yreka ML, which conducted grid soil sampling, EM 16, mag and IP surveys and drilled 730.3 m (9 holes) before dropping the option. The property was optioned again in Sep/70 by Caltor Synd (Rayrock ML, Ashland O & GL, and Can Ind O & GL), which drilled an additional 363.0 m (3 holes) in early 1971. Nichiporick drilled one x-ray hole (8.5 m) in 1974. In Dec/69 a rush developed and over 900 claims were staked along the east side of Sekulmun Lake. The companies involved were Yreka ML - Gem cl (Y44238) and Cad cl (Y45738), Giant EL - Bow cl (Y45690); Noranda ML - Joyce (Y45546); Brameda Res L - Anne cl (Y45442); Panther ML - Sue 1-32 cl (Y45380); and Eagle Ind L - Sue 33-64 cl (Y45412). In addition, 90 claims - Hot cl (Y50008) and Liz cl (Y51044) were staked on the west side of the lake. Noranda staked the SEK cl (YA19288) 3.2 km to the east in Nov/77 and explored with mapping and soil sampling in 1978. Restaked as Blin cl (YB26676) in Jul/89 by Noranda ECL.

Capsule Geology

Sphalerite occurs with pyrite and minor chalcopyrite and scheelite in garnet-diopside-magnetite skarns and diopside-actinolite skarns that have developed in marble bands in a pyritic quartzite sequence. The skarns have developed near quartz-feldspar-biotite porphyry dykes. The metasedimentary sequence dips gently northwest under the lake. The discovery showing is about 40 m long and up to 8 m thick and returned assays of up to 18.0% Zn and 0.4% Cu. A large area with weakly anomalous zinc values was located by soil sampling. Only two of the original 9 holes, both at the discovery showing, cut significant mineralization. One intersected 9.15 m assaying 0.56% Zn and the other cut 4.58 m assaying 1.84% Zn. The Caltor drilling cut a number of narrow zones with traces of chalcopyrite and sphalerite in a pyrite-pyrrhotite gangue. The best interval assayed 0.16% Zn, 0.02% Cu, 2.1 g/t Ag and trace gold across 0.6 m. Caltor relogged the Yreka drillholes and found minor scheelite associated with the mineralized sections and occasional disseminated scheelite elsewhere in the holes. Noranda located minor pyrrhotite with small galena-filled fractures along the margin of a stock.

References

CALTOR SYNDICATE, Aug/71. Engineer's Report by D.J. Henderson.

MINERAL INDUSTRY REPORT 1978, p. 47.

NORANDA EXPLORATION COMPANY LTD, 1978. Assessment Report *#090350 by G. Macdonald and M. Vetterli.

YREKA MINES LTD, Feb 70. Assessment Report by R.G. Hilker.

YREKA MINES LTD, 1971. Assessment Report #090944 by G. Carlson and G.S. Zimmer.

YUKON GEOLOGY AND EXPLORATION 1979-80, p.102

Work History

Date	Work Type	Comment
12/31/1974	Drilling	One hole, 8.5 m, X-ray size.
12/31/1971	Drilling	Three holes, 363 m.
12/31/1971	Geochemistry	
12/31/1971	Ground Geophysics	Also magnetometer and I.P. surveys.
12/31/1969	Geochemistry	

Assessment Reports that overlap occurrence

Report	Notes	Notes	Notes	Notes
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Report Number	Year	Title	Worktypes	Notes Drilled	Fields Drilled
096342	2012	Geological & Geochemical Report Mapping and Soil Surveys on the Kluane Properties: Agate, April, Arm, Beryl, BWICK, Garnet-Topaz, Glad, Kilo, Pluto-Venus, Sapphire, and Serp	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
090944	1970	Diamond Drilling Geological Logs & Sections	Drill Core - Geochemistry		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC013178	Air photo overlays and silt sample notes of Victor OEX and Nisling - 115-H-12		Property File Collection	Geoscience Map (General)
ARMC013175	Map sheet 115H-12 of Albert Creek with geological notations		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016657	Geology map - 115H/12 - Albert Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC013177	Map of Albert Creek with field markings - Aeromagnetic series map 3294G		Property File Collection	Geophysical Map
ARMC013176	Map of Albert Creek with geology field markings - Aeromagnetic series map 3294G		Property File Collection	Geophysical Map
ARMC016658	Geochemistry map - 115H/12 - Albert Creek		Property File Collection	Geochemical Map

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
70-1	Sekulmun Lake	1970	AQ	0	2
70-2	Sekulmun Lake	1970	AQ	0	2