



Occurrence Details

Occurrence Number: 105F 042
Occurrence Name: Mt. Cook
Occurrence Type: Hard-rock
Status: Showing
Date printed: 6/16/2025 1:14:03 AM

General Information

Secondary Commodities: lead, molybdenum, silver, zinc
Deposit Type(s): Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn
Location(s): 61°56'29" N - -132°53'29" W
NTS Mapsheet(s): 105F15
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Fox cl (Y9927) in Aug/66 by Atlas EL, which conducted trenching later in the year. Restaked as AL cl (Y51982) in May/70 by M. Currie and as JW cl (Y59171) in Sep/70 by D. Smith, and as HP cl (Y76663) in Aug/73 by P. Poggenburg.

The northern occurrence was restaked as Wimp cl (YA8250) in Sep/76 by Utah ML, which explored in 1977 with EM surveys, mapping and grid soil sampling.

The south showing was staked as Grew cl (YA18310) in Jun/77 by Amax, which explored with mapping, geochem and EM surveys in 1977 and 1978, added more Grew cl (YA48243) in Sep/79, and performed geochem and an airborne Mag-EM survey in 1981.

The Red cl (YA24805) were fringed to the southeast in Jul/Oct/79 by A. Mercier, who restaked a point 3 km south as Fox cl (YA78234) in Aug/83.

Capsule Geology

Both showings consist of banded, fine grained galena, sphalerite and tetrahedrite in a quartz-carbonate gangue occurring in a cherty horizon in Upper Devonian and Mississippian carbonates. Selected specimens collected by Atlas assayed up to 438.9 g/t Ag, 22.8% Pb and 12.5% Zn.

The north showing consists of four thin bands 20 to 30 cm thick. The south showing is associated with interbedded argillite and felsic volcanic flows and tuffs on the east side of two small biotite quartz monzonite plugs. Minor chalcopyrite is associated with disseminated pyrrhotite in volcanic rocks while traces of molybdenite occur in the intrusions.

References

AMAX POTASH LTD, Jul/79. Assessment Report *#090484 by D.G. Allen and P.N. McCarter.

AMAX OF CANADA LTD, 1981. Assessment Report *#090883 by F.R. Harris et al.

MINERAL INDUSTRY REPORT 1977, p. 62; 1978, p. 39-40.

YUKON EXPLORATION & GEOLOGY 1981, p. 128.

Work History

Date	Work Type	Comment
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1981	Airborne Geophysics	Also magnetic survey.
12/31/1981	Other	
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1978	Other	
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Ground Geophysics	EM survey.
12/31/1977	Other	
12/31/1966	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
090883	1981	1981 Geological and Geochemical Assessment Report	Soil - Geochemistry, Detailed Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014515	Mt. Cook area soil samples - Ross River, Yukon		Property File Collection	Geochemical Map
ARMC014518	Soil-silt chart - Cook Mt. area		Property File Collection	Geoscience Map (General)
ARMC014517	Sketch map of Quiet Lake showing Zn, Pb, Cu - Mt. Cook area		Property File Collection	Geoscience Map (General)
ARMC014511	Sketch map showing soils taken from Cook Mt. area		Property File Collection	Geoscience Map (General)
ARMC014510	Rough outline of Cook showing (Zn, Pb)		Property File Collection	Geoscience Map (General)
ARMC014513	Analytical work sheets - Geochemical - Cook Mt.		Property File Collection	Miscellaneous Company Documents
ARMC014514	Assay certificates - 2938-11,2959-1 - For Atlas Explorations - Cook Mt.		Property File Collection	Miscellaneous Company Documents