



Occurrence Details

Occurrence Number: 116B 154

Occurrence Name: Dem

Occurrence Type: Hard-rock

Status: Showing

Date printed: 12/16/2025 2:02:23 PM

General Information

Secondary Commodities: copper, lead, zinc

Deposit Type(s): Volcanogenic Sulphide - type not determined

Location(s): 64°45'13" N - -139°48'26" W

NTS Mapsheet(s): 116B13

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked in Aug/74 as Dem cl 1-16 (Y90095) and Dem cl 17-42 (Y90053) by Hudson Bay Exploration and Development Company Ltd following a reconnaissance geochemical stream sediment and prospecting program. In Jun & Jul/75 the company carried out geological mapping, soil geochemical sampling and prospecting. Restaked as Boz cl 1-12 (YB40105) by K. Owerko in Jul/91. In Jun/96, High Sense Geophysics Ltd under contract to Equity Engineering Limited flew a regional, helicopter borne, magnetic and radiometric survey over most of the Coal Creek Inlier, but no new claims were staked.

Capsule Geology

This occurrence is underlain by Lower Proterozoic Gillespie Lake black shale, dolomite and siltstone; and Middle Proterozoic diabase dykes of the Hart River Assemblage (?), (Gordy and Makepeace, 2000). Four types of minor mineralization are present at the occurrence: (1) trace amounts of disseminated pyrite and chalcopyrite in the diabase dykes; (2) minor chrysotile asbestos (fibre length 0.1-1.25 cm) noted in one diabase dyke; (3) local disseminations of pyrite, malachite, chalcopyrite, galena and minor hydrozincite in shear hosted quartz carbonate veins (5-75 cm wide); and (4) disseminated galena, pyrite, and trace hydrozincite in the matrix of a dolomite breccia. The regional airborne geophysical survey outlined numerous northeast trending features which were interpreted to be faults.

References

ETHERIDGE HENLEY WILLIAMS & HIGH SENSE GEOPHYSICS LIMITED, Feb/97. Assessment Report #093600 by Allen Duffy et al.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Oct/75. Assessment Report #090035 by R.T. McIntosh.

GORDEY, S.P., MAKEPEACE, A.J., Bedrock Geology, Yukon Territory, 1:1000 000 scale map. Geological Survey of Canada, Open File 3754 and Exploration and Geological Services Division, Yukon Indian and Northern Affairs Canada, Open File 2000-12.

MINERAL INDUSTRY REPORT 1975, p. 85.

Work History

Date	Work Type	Comment
12/31/1996	Airborne Geophysics	Also radiometric survey. Flown over most of the Coal Creek Inlier.
12/31/1975	Geology	
12/31/1975	Geochemistry	
12/13/1974	Geochemistry	Reconnaissance program.
12/13/1974	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093600	1996	Logistics Report for a Helicopter Magnetic and Gamma-Ray Spectrometer Survey of the MONSTER Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
090035	1975	[1975 Prospecting and Geological Mapping on the DEM Claims]	Detailed Bedrock Mapping - Geology, Prospecting - Other		
061213	1974	Geological and Geochemical Report on the 1974 Field Work on the OZ Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC016781	Geochemical map - 116B/12		Property File Collection	Geochemical Map
ARMC016782	Geochemical map - 116B/13		Property File Collection	Geochemical Map