



## Occurrence Details

**Occurrence Number:** 116B 154  
**Occurrence Name:** Dem  
**Occurrence Type:** Hard-rock  
**Status:** Showing  
**Date printed:** 6/15/2025 11:46:28 AM

## 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
<a href="#">093600</a>	1996	Logistics Report for a Helicopter Magnetic and Gamma-Ray Spectrometer Survey of the MONSTER Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
<a href="#">090035</a>	1975	[1975 Prospecting and Geological Mapping on the DEM Claims]	Detailed Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">061213</a>	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
<a href="#">ARMC016781</a>	Geochemical map - 116B/12		Property File Collection	Geochemical Map
<a href="#">ARMC016782</a>	Geochemical map - 116B/13		Property File Collection	Geochemical Map