Occurrence Details

Occurrence Number: 116B 085
Occurrence Name: Oz
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/16/2025 7:35:32 AM

General Information

Secondary Commodities: copper, lead, silver, zinc
Aliases: Harp
Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°44'12" N - -139°43'11" W
NTS Mapsheet(s): 116B12
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked in Aug/74 as OZ cl 1-81 (Y89931) by Dynasty Explorations Limited, which conducted mapping and soil and rock geochem sampling later in the year.
In 1975, the OZ group was transferred to Cyprus Anvil Mining Corp, which drilled 3 holes totalling 379.5 m and completed grid soil sampling, mapping and hand trenching
Restaked as Harp cl 1-24 (YA64908) in Feb/82 by Enterprise Exploration Limited and transferred to U. Schmidt & E. Jensen, who prepared a topographic map in 1985. In Mar/91, the claims were transferred to U. Schmidt, who staked Harp cl 11-42 (YB40149). In Jul/95 the remaining surviving Harp claims (YA64908) were transferred to Jensen.
1 km to the north the following year Schmidt completed a property site map showing the location of claim posts, trenches and old drill hole locations. Schmidt also completed grid soil sampling, a radiometric survey and prospecting program. In Dec/96 the Corn claims were optioned to Atna Resources Ltd.
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 Middle Proterozoic Pinguicula Group siliceous carbonate rocks, Middle Proterozoic Wernecke breccias and mafic intrusive rocks (Hart River ?); and Lower Proterozoic Gillespie Lake orange weathering silty carbonates and shales (Thorkelson, 2000).
The area is noted to host two types of mineralization. The first reported as lead-zinc mineralization in stratabound sulphides occuring in a 1.5 to 15 m thick bed of black shale, argillite and chert containing bands and disseminated grains of galena and minor sphalerite with occasional barite. This type of mineralization is thought to reflect a sedimentary origin although best grades (up to 30% Pb + Zn with 102.9 g/t Ag) were found in brecciated zones related to faulting. The best assay from the 1975 drilling, which tested the central of three showings, was 2.2% Pb + Zn over 1.5 m. Also, dolomite breccias in adjacent rocks contain fracture fillings of calcite, barite and red-brown-yellow sphalerite with minor galena. These appear to be related to faulting.
The second type of mineralization reports lead-zinc-copper mineralization suspected to originate from the Wernecke Breccia unit. During Schmidt¿s 1996 program a ¿heart-shaped¿ breccia pipe was confirmed from local float with chalcopyrite mineralization and alteration similar to Wernecke breccias. Anomalous soils over the area assayed as high as 1181 ppm Pb, 1704 ppm Zn, 1.8m ppm Ag, and 127 ppm Cu.
The regional airborne geophysical survey outlined numerous northeast trending features which were interpreted to be faults..

References

CYPRUS ANVIL MINING CORPORATION LTD., Dec/75. Assessment Report #090041 by P. Dean.

DYNASTY EXPLORATIONS LIMITED, May/75. Assessment Report #061213 by P. Dean.

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.

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

MINERAL INDUSTRY REPORT 1974, p. 74-75; 1976, p. 85-86.

LANE, R.A., AND GODWIN, C.I., 1992. Geology of the Ogilvie Mountains Breccias, Coal Creek Inlier (NTS 116B/11,13,14), Yukon Territory. Exploration and Geological Services Division, DIAND, Open File 1992-1.

YUKON EXPLORATION 1985-86, p. 394.

SCHMIDT, U., Mar/85. Assessment Report #091631 by U. Schmidt.

SCHMIDT, U., Apr/97. Assessment Report #093657 by U. Schmidt.

SCHMIDT, U., May/97. Assessment Report #093688. by U. Schmidt.

THORKELSON, D., 2000. Geology and mineral occurrences of the Slats Creek, Fairchild Lake and ¿Dolores Creek¿ areas, Wernecke Mountains (106D/16, 106C/13, 106C/14), Yukon Territory, Bulletin 10.

Work History

Date	Work Type	Comment
12/31/1996	Ground Geophysics	
12/31/1996	Geochemistry	
12/31/1996	Airborne Geophysics	Also radiometric survey .
12/31/1996	Other	
12/31/1985	Airphotography	Used airphotos to construct 1:50 000 topographic base map.
12/31/1975	Drilling	Three holes, 379.5 m.
12/31/1975	Geology	
12/31/1975	Geochemistry	
12/31/1975	Trenching	
12/31/1974	Geochemistry	
12/31/1974	Geology	
12/13/1996	Pre-existing Data	Created property map showing all claim posts, trenches and showing.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095055	2007	Geological Report on the OZ 1-14 Claims	Detailed Bedrock Mapping - Geology		
094886	2006	Geochemical Report on the OZ 1-14 Claims	Soil - Geochemistry		
093600	1996	Logistics Report for a Helicopter Magneitc and Gamma-Ray Spectrometer Survey of the MONSTER Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
091631	1982	Report on Topographic Mapping Harp 1-10 Mineral Claims	Orthophoto - Airphotography, Surveying - Other, Data Compilation - Pre-existing Data		
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
ARMC007794	Detail area map - Coal Creek dome - Reef project - Figure 11		Property File Collection	Geochemical Map
ARMC007851	Orthophoto map - Coal Creek - Oz claims - Job No. 06153-1		Property File Collection	Geoscience Map (General)
ARMC011372	Zinc geochemistry contour map - Oz claim group - Reef project		Property File Collection	Geochemical Map
ARMC011384	Geology map - Oz group - Reef project - HF9-140		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011385	Geology map - Oz group - Reef project - HF9-141		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016781	Geochemical map - 116B/12		Property File Collection	Geochemical Map
ARMC016782	Geochemical map - 116B/13		Property File Collection	Geochemical Map
ARMC013221	A brief geological report on the Oz and Tart groups		Property File Collection	Report
ARMC011302	Geology of Coal Creek Dome - Reef project		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011371	Lead geochemistry contour map - Oz claim group - Reef project		Property File Collection	Geochemical Map
ARMC011311	Coal Creek Dome detail area map - Reef project - Fig. 13		Property File Collection	Geoscience Map (General)
ARMC011340	Geochemical values map - Coal Creek Dome detail area - Reef project - Fig. 13		Property File Collection	Geochemical Map
ARMC018621	Field notes - Reconnaissance contour geochem lines - Kiwi, Tart, Oz, Will		Property File Collection	Miscellaneous Company Documents
ARMC019476	Field notes - Oz		Property File Collection	Miscellaneous Company Documents
ARMC011303	Detail area map - Coal Creek Dome - Reef project - Fig. 12		Property File Collection	Geoscience Map (General)
ARMC011370	Detailed geochemistry map - Oz claim group - Reef project		Property File Collection	Geochemical Map