

Occurrence Details

Occurrence Number: 106C 039 Occurrence Name: Profeit Occurrence Type: Hard-rock Status: Prospect Date printed: 4/29/2025 11:21:44 PM

General Information

Secondary Commodities: lead, silver, zinc Aliases: Mount Profeit Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT) Location(s): 64°49'8" N - -133°3'27" W NTS Mapsheet(s): 106C14 Location Comments: 1 Kilometres Hand Samples Available: Yes Last Reviewed:

Capsule

Work History

Staked as Doc cl 1-150 (Y95359) in Aug/74 by Amax Exploration Ltd, which carried out mapping and geochem sampling in 1974, 1975 and 1978 and added more claims and drilled 5 holes (686 m) in 1981 in a joint venture with Procan Exploration Canada Ltd. Amax transferred its interest to Canamax Resources Incorporated in 1983. In Sept/95 P. and J. Hajek staked Eric cl 1-12 (YB65032) 1 km to the north.

Capsule Geology

The area is underlain by a generally conformably sequence of Upper Proterozoic carbonate and clastic strata that dip gently to the east. Regional Laramide deformation produced northwest-trending open folds cut by numerous parallel reverse, normal and thrust faults.

Small showings of galena, sphalerite, tetrahedrite, pyrite and marcasite are clustered in a zone 1220 m long within a 300 m section of Late Proterozoic Profeit (Winderemere Supergroup) vuggy dolostone. The various types of mineralization include massive pods, breccia and fracture fillings in shear and sheet-jointed zones; irregular replacement patches; vug fillings or linings; and stratabound bedding plane and fracture fillings. The mineralization occurs near a facies change to basinal clastics within the host unit.

The largest massive pod of galena, red-green sphalerite and tetrahedrite, 9.4 m long and 8.2 m wide, assayed 16.8% zinc, 47.2% lead and 589.7 g/t silver across 9.4 m. Another sample across a shear zone gave 6.6% zinc, 3.5% lead and 68.6 g/t silver across 6.4 m. The best drill intersection returned 9.9% lead, 0.2% zinc and 143 g/t silver over 2 m. High-grade zinc-lead mineralization is characterized by high silver and antimony, as well as some molybdenum. Both stratigraphic and structural controls constrain mineralization (Heon, 2006).

References

AMAX EXPLORATION INC, Jan/76. Assessment Report *#090054 by A.C. Hitchins, J.B. Alsen and G.M. Leary.

AMAX OF CANADA LTD, 1981. Assessment Report *#090869 by M. McGill.

GORDEY, S.P. AND MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

HEON, D., 2006. Isotope dating of lead-zinc occurrences in the Bonnet Plume area, Preliminary Report, Yukon Geological Survey, Open File 2006-16.

MINERAL INDUSTRY REPORT 1974, p. 60-61; 1975, p. 57-58.

THORKELSON, D.J. AND WALLACE, C.A., 2000. Geology and mineral occurrences of the Slats Creek, Fairchild Lake and "Dolores Creek" areas, Wernecke Mountains, Yukon (106D/16, 106C/13, 106C/14). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 10, 73 p.

YUKON EXPLORATION AND GEOLOGY 1981, p. 186.

Work History

Date	Work Type	Comment
12/31/1981	Drilling	Number of holes drilled: 5 Amount of work done: 686 METRES
12/31/1981	Other	
12/31/1975	Geology	
12/31/1975	Other	
12/31/1974	Other	

Assessment Reports that overlap occurrence

Number	Year	Title	Worktypes	Drilled	Drilled
<u>090054</u>	1975	Mount Profeit Pb-Zn Property (Doc 1-150 claims)	Orthophoto - Airphotography, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
<u>061207</u>	1974	Report on Geological and Geochemical Field Work 1974 EG Claim Group	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		