



Occurrence Details

Occurrence Number: 105H 033

Occurrence Name: Brod

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 11:46:12 AM

General Information

Secondary Commodities: lead, silver, zinc

Deposit Type(s): Skarn Pb-Zn

Location(s): 61°36'54" N - -128°22'40.8" W

NTS Mapsheet(s): 105H09

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked initially in 1970 as the Brod claims by E. Brodhagen who did not file any assessment work. Restaked as Brod cl 1-8 (Y64018) in Jul/71 by Brodhagen who immediately optioned them to Wye Lake Resources Ltd. The company carried out a small geological mapping and rock, soil and silt sampling program later in the summer. Restaked in Apr/74 as Reb cl (Y74687) by K. Colombo. Restaked as Bear cl 1-2 (Y84416) in Jul/75 by Brodhagen who hand trenched in 1976. Delphi Resources Ltd examined and sampled the claims in 1978 and Brodhagen carried out additional hand trenching in 1979-81 before transferring the claims to Exciting Resources Ltd in 1984. A. Black staked Joy cl 1-4 (YA72108) 1.6 km south in Oct/84, trenched in 1985 and transferred the claims in 1987 to Prophecy Developments Ltd, which returned them to Black in Sep/88. Black prospected on the Joy claims and tied on Roy cl 1-4 (YB15883) in Aug/89, and Brad 1-4 cl (YB46269) in Sep/93. Black restaked the Brad claims as Brod cl 1-4 (YB84639) in Jun/96. Restaked as Barry cl 1-4 (YB89859) in Aug/97 by A. Black, who hand trenched and sampled the occurrence in Oct/2000.

Capsule Geology

The area is located on the west side of the Hyland River, approximately 12 km north of the Hyland Airfield and 3 km east of the Nahanni Range Road. The area is situated within the northeast portion of the Selwyn Basin and is underlain by Upper Proterozoic to Lower Cambrian carbonate and clastic metasedimentary rocks assigned to the Hyland Group. The metasedimentary rocks are intruded by numerous mid-Cretaceous granitic intrusions and dykes. The occurrence consists of interbedded phyllite and limestone that has been intruded by a microgranite or aplite dyke and altered to pyroxene skarn. The location of the skarn lens is marked by a large gossan which is visible from a distance. The lens measures approximately 17.4 m long by 3 m wide, contains minor quartz, epidote and calcite and hosts bands of sulphides consisting of pyrite, pyrrhotite, sphalerite, galena and traces of chalcopyrite. The lens strikes approximately east-west and dips to the north. A 1.5 m chip sample collected from the lens in 1978 returned 6.05% lead, 4.28% zinc, 67.2 g/t silver. Black drilled and blasted a hand trench approximately 40 m long by 3 m wide and 1 m deep. Nineteen rock samples were collected for assay, geochemical analysis and microscopic examination. Details regarding sample type and/or widths were not reported, however the nineteen samples returned simple arithmetic averages of 2.6 % zinc, 4.47 % lead and 21.3 g/t silver.

References

BLACK, A., Aug/2001. Assessment Report #094330 by L.C. Hunt.

BRODHAGEN, E.G., 1975. Assessment Report *#092492 by E.G. Brodhagen.

DELPHI RESOURCES LTD, Mar/80. Assessment Report #090599 by B.J. Price.

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).

MINERAL INDUSTRY REPORT 1971 AND 1972, p. 119.

WYE LAKE RESOURCES LTD, Nov/71. Assessment Report #060955 by P.H. Sevensma.

YUKON EXPLORATION 1984, p. 99.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 186.

Work History

Date	Work Type	Comment
12/31/2000	Geochemistry	
12/31/2000	Trenching	Black dug 40 m long by 3 m wide and 1 m deep trench and collected rock samples.
12/31/1979	Trenching	
12/31/1978	Geochemistry	
12/31/1976	Trenching	

12/31/1971	Geochemistry	
12/31/1971	Geology	
12/31/1971	Geochemistry	
12/31/1971	Geochemistry	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
090599	1978	Geological Report	Rock - Geochemistry, Prospecting - Other		
060955	1971	Examination Report	Silt - Geochemistry, Soil - Geochemistry		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC008142	Heavy mineral sampling map - NTS 105H-9 - MacMillan project - Anmac		Property File Collection	Geochemical Map
ARMC013765	Examination report - Brod 1-8 mineral claims - Hyland River area, Watson Lake M.D.		Property File Collection	Report