



Occurrence Details

Occurrence Number: 105B 117

Occurrence Name: Highmark

Occurrence Type: Hard-rock

Status: Unknown

Date printed: 4/29/2025 9:30:17 PM

General Information

Deposit Type(s): Unknown

Location(s): 60°6'42" N - -131°8'3" W

NTS Mapsheet(s): 105B03

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Sea cl 1-52 (YA67873) in May/82 by the McDame Project (BRX Mining & Petroleum Corporation Ltd, Eldorado Minerals & Petroleum Corporation and Highmark Resources Ltd), which performed mapping and geochem sampling later in the year.
Restaked as Tanis cl 1-50 YB16408) in Sep/89 by H. Hibbing

Capsule Geology

The area is located 20 km north of the Yukon-British Columbia border, northeast of Swift River, Yukon. The occurrence lies about 1.5 km northeast of the mid-Cretaceous Seagull Batholith. Reconnaissance geological mapping by Stevens and Harms (1995) shows that the occurrence is underlain by a pre-late Mississippian package of metachert, metatuff, coarse metaclastic rocks and marble assigned to the Swift River succession. The Seagull Batholith intrudes the succession to the southwest. The Swift River succession is generally accepted to be part of the Yukon-Tanana terrane.

Little is known about the occurrence but it likely marks either a geochemical anomaly or a small mineralized outcrop. The area was heavily explored during the 1970s and 80s by various companies searching for silver-zinc mineralization. Poole's (1960), geology map of the area shows that the area is underlain by limestone and hornfels similar to many of the skarn deposits located throughout the region.

Liverton (1997) under contract from Hibbing and Secerbogovic examined the sediments located near the Seagull Batholith for mineralization but found none.

References

HARMS T.A. AND STEVENS, R.A. 1995. Investigations in the Dorsey terrane, Part 2: lithologies and structure of (?) Paleozoic stratified rocks in the Stikine Ranges, northern British Columbia; in Current Research 1995-A; Geological Survey of Canada, p. 129-133.

HIBBING, H. and SECERBGOVIC, S., Feb/98. Assessment Report #093758 by T. Liverton.

MORTENSEN, J.K. AND GABITES, J. E., 2002. Lead Isotopes constraints on the metallogeny of southern Wolf Lake, southeastern Teslin and northern Jennings River map areas, Yukon and British Columbia: Preliminary results. In: Yukon Exploration and Geology 2001, D. S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 179-188.

POOLE, W.H. 1960. Geology Wolf Lake, Yukon Territory. GSC Map 10-1960.

ROOTS, C.F. ET AL., 2000. Revision mapping of the Yukon Tanana and equivalent terranes in northern British Columbia and southern Yukon Territory between 1310 and 1320 W; Geological Survey of Canada, Current Research 2000-A4, 10p.

STEVENS, R.A. AND HARMS, T.A., Investigations in the Dorsey terrane, Part 1: stratigraphy, structure, and metamorphism in the Dorsey Range, southern Yukon Territory and northern British Columbia, in Current Research 1995-A; Geological Survey of Canada, p. 117-127.

YUKON EXPLORATION AND GEOLOGY 1982 p. 101.

Work History

Date	Work Type	Comment
12/31/1997	Other	Liverton under contract to Hibbing and Secerbogovic examined sediments located near Seagull Batholith.
12/31/1982	Geology	
12/31/1982	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096722	2014	STAKING, SOIL SAMPLING, PROSPECTING AND AIRBORNE GEOPHYSICS REPORT – SEAGULL TIN PROJECT	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry		

060878	1970	Report on Airborne Geophysical Surveys Swift River Property, Yukon Territory on Behalf of Boswell River Mines Ltd.	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
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