Occurrence Details

Occurrence Number: 116B 132
Occurrence Name: Blackstone
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 7:47:23 AM

General Information

Secondary Commodities: antimony, copper, gold, lead, silver
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°32'14" N - -138°32'4" W
NTS Mapsheet(s): 116B10
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as the Tak cl 1-48 (YA52870) in Jul/80 by Mattagami Lake Exploration Ltd based on anomalous results from regional geochemical stream sediment sampling. The company carried out additional geochemical rock and silt sampling, detailed geological mapping and propsecting in 1981 and 1982.
Mattagami's assets were later acquired by Noranda Exploration Company Ltd, which carried out geochemical soil sampling, geophysical test surveying and drilled 3 holes (50 m) before staking Tak cl 49-52 (YA79129) to the west in Jul/83. In 1994, Noranda carried out additional geochemical soil sampling, VLF-EM surveying, hand trenching and drilled 3 holes (223.7 m).
Restaked as Tak cl 1-10 (YC03717) by Canadian United Minerals Inc in Feb/97, which carried out prospecting and hand trenching in 1998.

Capsule Geology

Disseminated galena occurs in veinlets cutting a thick-bedded quartzite unit, which occurs at the contact between the Upper Proterozoic to Lower Cambrian Hyland Group green and grey argillite and overlying Ordovician to Lower Devonian Road River Formation shale. The metasediments have been intruded by hornblende +/- biotite alkaki-feldspar syenite dykes of the Mid-Cretaceous Tombstone Plutonic Suite.
Followup of anomalous values of lead in silt samples resulted in the discovery of galena-siderite-quartz float boulders which assayed from 68 to 82% Pb, 39 to 250 oz/t Ag with up to 1% Cu and 1% Sb. Further prospecting, sampling and hand trenching in the area has located extensive float that is thought to be derived from two parallel northeast-southwest trending veins that have been located in subcrop and are approximately 100 m apart. Neither vein is well exposed due to extensive talus cover in the area, but Noranda estimated that the northernmost vein could be up to 40 cm wide assaying 11% Pb, 8 oz/t Ag and 0.2 oz/t Au.
Drilling was only partially successful due to poor ground conditions and problems with core recovery. Noranda was able to determine though, that the northernmost vein appears to be narrow and discontinuous. Only one hole was drilled to test the second vein and it never reached its projected depth, again due ground conditions.
This occurrence now lies within the boundaries of the Tombstone Territorial Park and the area has been withdrawn from staking.

References

BREMNER, T.J., 1994. Proposed Tombstone Park ¿ Preliminary Review of Mineral Potential. Exploration and Geological Services Division, Indian and Northern Affairs Canada. Open File 1994-2(T), 115 p.

CANADIAN UNITED MINES INC, Aug/99. Assessment Report #094120 by S. Ryan.

MATTAGAMI LAKE EXPLORATION LTD, Feb/82. Assessment Report #090980 by J. Biczok.

MATTAGAMI LAKE EXPLORATION LTD, Nov/82. Assessment Report #091417 by B. Jago.

NORANDA EXPLORATION COMPANY LTD, Jan/84. Assessment Report #091506 by J. Biczok.

NORANDA EXPLORATION COMPANY LTD, Feb/85. Assessment Report #091607 by W. Reid.

THOMPSON, R.I., ROOTS, C.F. AND MUSTARD, P.S., 1992. Geology of Dawson map area (116B, C) (northeast of Tintina Trench); Geological Survey of Canada, Open File 2849 (13 sheets, scale: 1:50 000).

THOMPSON, R.I., 1995. Geological compilation of Dawson map area (116B, C) (northeast of Tintina Trench), scale 1:250 000. Geological Survey of Canada, Open File 3223.

YUKON EXPLORATION AND GEOLOGY 1981, p. 240; 1982, p. 226; 1983, p. 279.

Work History

Date	Work Type	Comment
12/31/1998	Trenching	
12/31/1998	Other	
12/31/1994	Drilling	Three holes, 223.7 m.
12/31/1984	Geochemistry	

12/31/1984	Ground Geophysics	Also VLF survey.
12/31/1983	Drilling	Three holes, 50 m.
12/31/1983	Geology	
12/31/1983	Geochemistry	
12/31/1983	Ground Geophysics	Also VLF survey.
12/31/1982	Geochemistry	
12/31/1982	Geochemistry	
12/31/1982	Geology	1:10 000 scale.
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1981	Geochemistry	
12/31/1981	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094120	1998	TAK 1-10 Prospecting and Trenching	Rock - Geochemistry, Prospecting - Other, Handblast - Trenching		
091607	1984	1984 Geology, Geochemistry, Geophysics and Diamond Drilling on the TAK 1-52 Claims	Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Line Cutting - Other	3	223.70
091506	1983	1983 Geology, Geochemistry, Geophysics and Drilling Tak 1-52 Claims	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics	3	50
091417	1982	1982 Geology and Geochemistry on the TAK 1-48 Claims	Rock - Geochemistry, Silt - Geochemistry, Regional Bedrock Mapping - Geology		
090980	1981	1981 Geology and Geochemistry on the TAK 1-48 Claims	Rock - Geochemistry, Silt - Geochemistry, Water - Geochemistry, Detailed Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC016779	Geochemical map - 116B/10		Property File Collection	Geochemical Map

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
DDH-T-84-4	Tak	1984	NQ	0	1
DDH-T-84-6	Tak	1984	NQ	6	1