



Occurrence Details

Occurrence Number: 1050 036
Occurrence Name: Fan
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/16/2025 4:58:56 PM

General Information

Secondary Commodities: barite
Deposit Type(s): Unknown
Location(s): 63°15'20" N - -130°21'55" W
NTS Mapsheet(s): 105008
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Fan cl 3-14 (YA43751), cl 19-256 (YA43763), cl 257-468 (YA62202) and Fan cl 489 (YA64186) in Jun/81 by Amax of Canada Ltd, which conducted mapping and geochemical surveys in 1981 and 1982. The company added Fan cl 500-513 (YA76251) in Nov/81. In 1983, Amax transferred its interests in the area to Canamax Resources Inc.

Capsule Geology

* This occurrence is related to Minfile Occurrence #1050 061

The occurrence area covers a sequence of metasedimentary rocks ranging in age from Precambrian to Devonian. The oldest rocks are likely Precambrian to Cambrian phyllites informally known as the Grit Unit and assigned to the Hyland Group. The Hyland Group is overlain by Upper Cambrian to Ordovician shale, chert and siltstone of the Rabbitkettle Formation. The Rabbitkettle Formation is overlain by black shale, chert and limestone of the Ordovician to Lower Devonian Road River Group. The top of the sequence is capped by Lower Devonian to Mississippian Earn Group chert, shale and conglomerate. Most of the occurrence area is underlain by Earn group rocks.

The Fan claims cover a 23 km length of the north-central part of a Middle to Upper Devonian graben proposed by G. Abbott of the Department Indian And Northern Affairs (now part of the Yukon Geological Survey). Mineralization within the graben occurs at several stratigraphic levels in Upper Devonian shale, conglomerate and minor volcanic rocks of the Lower Earn Group on the nearby Tom (Minfile Occurrence #1050 001) and Jason (Minfile Occurrence # 1050 019) occurrences.

The 1981 exploration program identified pyrite-pyrrhotite beds in tuff, galena-sphalerite veins in volcanic breccia and a 10 km long baritic horizon associated with pyrite and chert. Soil chemistry outlined broad anomalies throughout the claim block. The occurrence location appears to mark the location of a lead (>16 ppm), silver (> 1.4 ppm) and barium (>1600 ppm) anomaly. The 1982 program collected soil samples from a northern and southern soil grid. The southern grid appears focused on discovering lead-zinc mineralization in volcanics while the northern grid was focused on outlining the barite horizon. Both programs outlined very broad multi-element anomalies but a crash in world metal prices at the end of 1982 lead to the curtailment of exploration in the Macmillan Pass area.

References

ABBOTT, J.G. 1982. Structure and Stratigraphy of the Macmillan Fold Belt: Evidence for Devonian Faulting. Maps 1050 and 105P. Exploration and Geological Services Division, Open File 1983-1. (Text and 3 maps).

AMAX OF CANADA LTD, Apr/82. Assessment Report #091012 by F.R. Harris.

AMAX OF CANADA LTD, Nov/82. Assessment Report #091395 by F.R. Harris.

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).

YUKON EXPLORATION AND GEOLOGY 1981, p. 176; 1982, p. 165-166.

Work History

Date	Work Type	Comment
12/31/1982	Geology	
12/31/1982	Geochemistry	
12/31/1981	Geology	
12/31/1981	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
NA6596	2012	2012 Assessment Report Mac Claims Mayo Mining District Yukon	Soil - Geochemistry		

0920000	2012	Territory	Soil - Geochemistry		
095927	2011	2011 Assessment Report Mac Claims Mayo Mining District Yukon Territory	Silt - Geochemistry, Gravity Survey - Ground Geophysics		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
091012	1981	1981 Geological Geochemical Assessment Report Hess River Property	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
019035	1968	1968 Progress Report and Proposed Program 1969 Itsi Project	Silt - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC015549	Map of Keele Peak area with geochemical locations and results noted		Property File Collection	Geochemical Map
ARMC015550	Map of Keele Peak area with geochemical sample locations noted		Property File Collection	Geochemical Map