



Occurrence Details

Occurrence Number: 105B 031

Occurrence Name: Mod

Occurrence Type: Hard-rock

Status: Showing

Date printed: 12/16/2025 5:57:03 PM

General Information

Secondary Commodities: lead, silver, tin, tungsten, zinc

Aliases: Bound

Deposit Type(s): Skarn Pb-Zn

Location(s): 60°8'20" N - -131°12'41" W

NTS Mapsheet(s): 105B03

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

The occurrence was first explored by Hudson Bay Mining and Smelting Company Ltd which carried out a large exploration program in the area around 1947. The occurrence was reportedly drilled but no work records pertaining to this occurrence have survived.

Staked as Mod cl 1-4 (86917) in Mar/63 by E. Erickson and A. Riba who optioned them in Jul/68 to Trans Yukon Exploration Ltd who in turn, optioned them to Boswell River Mines Ltd. Boswell River explored the claims from Sep/68 to mid-1969 before dropping the option. Erickson and Riba trenched in 1979 and 1980. W.L. Huntsman staked Joan cl (Y13559) two miles south in Aug/66.

The Mod group was fringe staked as Scarn cl (YA33769) in Jul/78 by A. Racicot, on behalf of a syndicate composed of Placer Development Ltd & Asamera Oil Corporation Ltd; Road cl 1-44 (YA54877) to the east in Jun/80 by D.C. Syndicate (Cominco Ltd & Dome Petroleum Ltd), which performed mapping and geochem sampling in 1980, 1981 and 1982; Mas cl 1-1VX (YA71514) to the south and east in Aug/84 by A. Sahacic; Silver Fox cl 1-14 (YA90501) to the west in Nov/85 by J. Ruza; Dart cl 1-100 (YB376) in Jun/87 by Apex Energy Corporation; and Bound cl 1-36 (YB15809) to the east, north and west in Aug/89 by H. Hibbing.

Hibbing also tied on the Strata cl 1-42 (YB15595) and Tanis cl 1-50 (YB16408) claims to the south in 1990 and trenched on the Strata 16 claim immediately southwest of the Mod showing. Hibbing performed road work on the Tanis 1-3 and 14 cl in Sep/92, and road building on the Tanis 2, 3, 16, 17, 29 and 30 cl in Aug/93.

In Jul/96 the Mod cl 1-4 (86917) were transferred from the estate of Tony Riba to Henry Regehr. In Sep/97 S. Secerbegovic surrounded the Mod claims with Bond cl 1-36 (YB89935). Harding and Secerbegovic carried out detailed geological mapping on the Tanis, Bound and Bond claims in 1997, 1998 and 2000.

Capsule Geology

The area is located 18 km north of the Yukon-British Columbia border, northeast of Swift River, Yukon. The occurrence lies about 1.5 km south of the Late Permian Ram stock and less than 3 km northeast of the mid-Cretaceous Seagull Batholith. Detailed mapping by T. Liverton employed by Hibbing and Secerbegovic shows that the area is underlain by Lower, Intermediate and Upper siliclastic units separated by metavolcanic and marble units. The marble unit and metavolcanic units can be traced intermittently across the length of the TBMB, Bound/Bond and Mod claims. The siliclastic rocks likely belong to the Swift River Succession, (pre-late Mississippian) and the metavolcanic unit likely belongs to the overlying Klinkit Succession. The origin of the marble unit is presently uncertain. All three units are believed to be part of the Yukon Tanana terrane.

The occurrence consists of a zone of massive black sphalerite, pyrrhotite and galena 2 to 4 m wide and 80 to 100 m long. The sulphides occur in actinolite skarn within a carbonate lens up to 50 m thick that forms part of a Permian to Carboniferous metasedimentary sequence. Traces of scheelite and tin minerals are also present. The showing closely resembles the neighboring Munson occurrence (Minfile Occurrence #105B 029) located 1.5 km to the west.

On the adjoining Road group, The D.C. Syndicate reported low tin values associated with a garnet-magnetite skarn zone located within the Seagull Batholith. During Apex Energy Corporation's exploration of the Dart claims, reference was made to the Mod occurrence and the fact the mineralization appeared to be similar to the neighboring Munson occurrence. The detailed mapping by Liverton outlined the deformation history of the area and the limits of the marble and metavolcanic units. Liverton believes that the mineralization present at the Mod and TRMB (Munson occurrence, Minfile Occurrence #105B 029) is similar to that seen to the north at the Dan occurrence (Bar occurrence Minfile Occurrence #105B 027) and all the mineralization is hosted by the same stratigraphic unit, meaning the Ram Creek assemblage extends further south than shown on current geological maps. Roots (NATMAP) believes that the mineralization is similar but the mineralization present at the Mod occurrence occurs at least 1 km higher in the structural succession. Liverton also suggests the mineralization is volcanogenic massive sulphide while Roots feels that evidence proving either epigenetic skarn or skarnified syngenetic (possibly volcanic-associated) mineralization is unclear.

References

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YUKON EXPLORATION AND GEOLOGY 1981, p. 98; 1982, p. 96; 1997, p. 20, 37-38; 1998, p. 20.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 145

Work History

Date	Work Type	Comment
12/31/2000	Geology	First Yukon Silver carried out detailed geological mapping on surrounding claims.
12/31/1998	Geology	First Yukon Silver carried out detailed geological mapping on surrounding claims.
12/31/1997	Geology	First Yukon Silver carried out detailed geological mapping on surrounding claims.
12/31/1990	Trenching	Trenching ocured on the Strata 16 claim southwest of the Mod showing.
12/31/1982	Geology	
12/31/1982	Other	
12/31/1981	Geology	
12/31/1981	Other	
12/31/1980	Geology	
12/31/1980	Trenching	
12/31/1980	Other	
12/31/1979	Trenching	
12/31/1969	Other	
12/31/1968	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096990	2016	Mod Lead-Zinc-Silver Prospect, 105B-03. Report of Fieldwork 2016: Sampling, surveying, assay and mineragraphy	Rock - Geochemistry, Petrographic - Lab Work/Physical Studies		
096794	2015	Report of Fieldwork 2015: Excavation, Mapping, Channel Sampling, Ground Magnetic Survey and Mineragraphy	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Surveying - Other, Hand - Trenching		
096722	2014	STAKING, SOIL SAMPLING, PROSPECTING AND AIRBORNE GEOPHYSICS REPORT – SEAGULL TIN PROJECT	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry		
096650	2013	2013 Geochemical Assessment Report on the Mod Project	Rock - Geochemistry, Prospecting - Other, Surveying - Other		
093758	1997	Geological Mapping and Mineralogical Examination of Zinc Mineralization on the Bound and Tanis Claims	Regional Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies		
090921	1981	Geological Geochemical Report on the Road 1-3, 5, 7-12, 14, 16-48 Mineral Claims	Rock - Geochemistry, Silt - Geochemistry, Detailed Bedrock Mapping - Geology		
090798	1980	Geological Geochemical Report on the Road 1-3, 5, 7-12; 14; 16-48 Mineral Claims	Rock - Geochemistry, Silt - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC007640	Claim map with 1993 grid and drill hole locations - Swift River option		Property File Collection	Geoscience Map (General)