



Occurrence Details

Occurrence Number: 115G 070
Occurrence Name: Meloy
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 6/14/2025 4:54:22 PM

General Information

Secondary Commodities: copper, molybdenum, tungsten
Aliases: Alaskite Creek, Raft
Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 61°29'17" N - -138°10'13" W
NTS Mapsheet(s): 115G08
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The Golden, etc. claims were first staked in the vicinity of the Raft occurrence in Aug/47. From 1947 onward, the occurrence was staked sporadically. It was restaked as Molly (60461) in Aug/51, as Big Sam etc. (75088) in Jun/60, and as Pag and Bird (77990) in Sep/63. The area was completely fringe staked in Jun/70 as A, B, Ed, etc cl (Y52235 – Charta Group) and the Roxy cl (Y77222) were added in Sep/73. The Roxy was restaked group as Toot cl (YA48235) in Sep/79 and the Charta group was restaked as Bear & Lar cl (YA48462) in Feb/80. Soon after, the claims were allowed to lapse until 2007, where they were restaked as the Meloy cl.

Work on the Raft occurrence has included trenching, diamond drilling, geological mapping, geochemical surveys, prospecting, airborne geophysics, and aerial photography.

Geology

The occurrence is underlain by Ruby Range Suite, comprising medium to coarse grained, hornblende±biotite quartz diorite and medium grained, light grey to pinkish, biotite±hornblende granodiorite with well-developed smokey grey quartz crystals. Rusty weathering Ruby Range Suite appears to be weakly argillic altered and contains minor pyrite around mafic minerals; grey weathering Ruby Range Suite is thought to be weakly potassic altered or unaltered; and tan weathering Ruby Range Suite is strongly clay altered.

Mineralization identified near the occurrence is hosted in quartz veins and veinlets that cut fresh Ruby Range Suite and the sheared gossanous zone to the south. The main showing consists of a 30 m wide silicified shear zone which cuts alaskite and contains pyrite, wolframite, molybdenite, chalcopyrite and fluorite in quartz veinlets. The chalcopyrite and wolframite are finely disseminated whereas the molybdenite occurs as coarse rosettes. Secondary mineralization occurs within and adjacent to weathered quartz veins. Malachite and azurite coat talus surfaces and fracture planes in the recessive linears exposed on the main ridge. They are also concentrated adjacent to fine grained mafic dykes. Small limonitic pits after pyrite are common within quartz veins.

In 1971 a diamond drillhole intersected a molybdenite-rich zone in a quartz vein stockwork which cut leucogranite near a quartz monzonite body but any numerical results or logs were not reported. Rock samples taken in 2012 from the ridge near the Raft occurrence returned background to strongly anomalous values for copper (up to 4.89%), silver (up to 138 ppm), molybdenum (up to 1.465%), tungsten (up to 3.51%) and tin (up to 1950 ppm). Gold values were background to moderately anomalous (0.73 g/t), while zinc values were background to weakly anomalous.

Work History		
Date	Work Type	Comment
12/31/1952	Trenching	
12/13/2018	Geochemistry	
12/13/2018	Geology	
12/13/2018	Geochemistry	
12/13/2016	Studies	
12/13/2015	Other	
12/13/2014	Geochemistry	
12/13/2014	Geochemistry	
12/13/2014	Trenching	
12/13/2014	Geology	
12/13/2014	Other	
12/13/2013	Airphotography	
12/13/2012	Geochemistry	
12/13/2012	Geochemistry	
12/13/2012	Other	

12/13/2010	Geochemistry	
12/13/2010	Airborne Geophysics	
12/13/2010	Airborne Geophysics	
12/13/2010	Other	
12/13/2008	Geochemistry	
12/13/2008	Geology	
12/13/2008	Geochemistry	
12/13/2008	Other	
12/13/1970	Geology	
12/13/1970	Geochemistry	
12/13/1970	Geochemistry	
10/1/2017	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097185	2017	Assessment Report Describing Prospecting, Hand Trenching and Soil Geochemistry at the Meloy Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Hand - Trenching		
096958	2016	Assessment Report Describing Heritage Resource Impact Assessment and Orthophoto Creation and Contour Generation at the Meloy Property	Heritage/Archeological - Studies		
096779	2015	Assessment Report Describing Ground Surveying at the Meloy Property	Surveying - Other		
096747	2014	Assessment Report Describing Geological Mapping, Prospecting, Hand Trenching and Soil Geochemistry at the Meloy Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
096647	2013	Aerial Photography at the Meloy Property	Interpretation - Airphotography, Interpretation - Airphotography		
096423	2012	Assessment Report Describing Prospecting and Geochemical Sampling at the Meloy Property	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
095501	2010	Assessment Report Describing Prospecting, Geochemical Sampling and Airborne Geophysics at the Meloy Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Prospecting - Other		
095051	2008	Assessment Report Describing Geochemical Sampling, Geological Mapping and Prospecting at the Meloy Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
060193	1970	Geological and Geochemical Report on the Talbot Project Claims 'A', 'B' and 'K' Groups	Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC013075	Geological and geochemical reconnaissance - Talbot prospects - Kluane Lake area		Property File Collection	Geochemical Map
ARMC013076	Map sheet 115-G-9 showing geochemical detail notations and claims		Property File Collection	Geochemical Map
ARMC013074	Reconnaissance sampling map - Groups A, B & K - Sheet 115-G-9 - Talbot prospects - Kluane Lake area		Property File Collection	Geochemical Map

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
MY-19-001	Meloy	2019	NQ	0	0
MY-19-002	Meloy	2019	NQ	0	0
MY-19-003	Meloy	2019	NQ	0	0