



Occurrence Details

Occurrence Number: 115P 032
Occurrence Name: Mozi
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 4/29/2025 4:52:47 AM

General Information

Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 63°55'20" N - -136°57'52" W
NTS Mapsheet(s): 115P15
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Mozi cl (YA31962) in Mar/79 by the Cortin Project (CCH Res L, Inco, Billiton E Can L), which explored with soil sampling later in the year. CCH changed its name to Campbell Res Inc in 1980. Restaked as Pat cl (YB5592) in May/88 by Lake Fly-In Fishing, which performed trenching in 1989. Restaked between June and Aug/94 by Archer Cathro & Associates (1981) as Grande cl 1-20 (YB48878). In Jul/94 Archer Cathro under contract to Cash Resources carried out a soil geochemical survey over the entire claim block.

Capsule Geology

Claims were originally staked on a silt anomaly in an area where quartz-feldspar porphyry dykes (Mid-Cretaceous Tombstone Suite) intrude Ordovician or younger limestone, phyllite and sandstone overlying Late Proterozoic-Early Cambrian Hyland Group schist and quartzite. Grid soil sampling located a large anomaly with values of up to 11 ppm Mo, 3 000 ppm Zn, 17.0 ppm Ag and 530 ppm Cu, associated with an area of vuggy, rusty coated, quartz-veined shale breccia. Although the sampling outlined strongly anomalous well-clustered response for Ag, Mo, Cu and Zn no further work was done, probably because the main focus of the joint venture was tin exploration. Cash Resources' primary exploration target is a porphyry system beneath an oxidized leached cap. Airphotos of the claim block display a 1 450 m diameter circular structure and two smaller circular features suspected to be explosive vents overlying buried intrusions. Explosive venting has been documented in other Tombstone Suite intrusions and is indicated by brecciation in Road River Group shales within the southwesterly circular structure. The breccias typically consists of rotated shale fragments (a few mm to 2 mm in diameter) in a matrix of white quartz. Some rocks reportedly exhibit multistage brecciation and most quartz contains weathered pits rimmed with limonite after sulphides. Soil geochemistry outlined 3 large, moderate to strong anomalies for Ag, Mo, Cu and Zn. Two of the 3 anomalies lie within circular structures containing felsic intrusive dykes and breccia zones. Limited rock geochemistry returned values similar to those obtained from soil, including up to 5.8 ppm Ag, 115 ppm Mo, 949 ppm Cu and 2 560 ppm Zn. All of the rock specimens collected were strongly oxidized except for 1 specimen of unfractured quartz monzonite which contained a few grains of disseminated pyrite.

References

CASH RESOURCES LTD, Jul/95. Assessment Report #093302 by W. D. Eaton.

CORTIN JOINT VENTURE, Mar/80. Assessment Report #090549 by D.R. Kennedy.

MURPHY, D.C., AND HÉON, D., 1994a. Geological Map of Sprague Creek Map Area (NTS 115P/15), western Selwyn Basin, Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1994-3(G).

MURPHY, D.C., AND HÉON, D., 1994b. Geology and Mineral Occurrences of Sprague Creek Map Area (NTS 115P/15), western Selwyn Basin, Yukon. In: Yukon Exploration and Geology 1993, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 29-46.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 279.

YUKON EXPLORATION & GEOLOGY 1994, p. 10.

Work History		
Date	Work Type	Comment
12/31/1989	Trenching	
12/31/1988	Other	
12/31/1979	Geochemistry	
12/31/1979	Other	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
		Geophysical, Geological and Geochemical Assessment Report on the	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic -		

093937	1998	Geophysical, Geological and Geochemical Assessment Report on the Clear Creek Property	Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other		
093302	1994	Assessment Report on the 1994 Program on the Grande Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
090549	1979	Geological Mapping, Geochemical Mapping Mozi Claims 1-8	Soil - Geochemistry, Detailed Bedrock Mapping - Geology		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC016644	Geology map - 115P/15 - Sprague Creek		Property File Collection	Geoscience Map (Geological - Bedrock)