



Occurrence Details

Occurrence Number: 115I 047

Occurrence Name: Tritop

Occurrence Type: Hard-rock

Status: Anomaly

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General Information

Secondary Commodities: copper, gold, molybdenum

Deposit Type(s): Porphyry Mo (Low F-Type)

Location(s): 62°14'12" N - -137°24'59" W

NTS Mapsheet(s): 115I03

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Top cl 1-120 (Y58467) and Tri cl 1-98 (Y58587) in September 1970 by Kennco Explorations Ltd., which performed reconnaissance geochemical surveys and geological mapping in 1970 and grid soil sampling in 1971.

E. Curley staked Au cl 1-48 (YB58065) 3 km to the southwest in August 1995. In August 1996, Curley carried out a geochemical survey on the claims.

In 2011, YES Exploration Syndicate Inc. staked Top cl 1 to 234, which included the Tritop occurrence, and carried out soil sampling and prospecting in conjunction with Hawkeye Gold and Diamond Inc.

Regional & Property Geology

Outcrop is scarce in the vicinity of the occurrence. Float and felsenmeer encountered during Curley's geochemical survey suggests that the area is underlain by mid-Cretaceous Casino Granodiorite and Mount Nansen Group volcanics. The Casino Granodiorite consists of biotite-hornblende granodiorite belonging to the Dawson Range Batholith and probably intrudes the Mount Nansen Group volcanics, which consist of mainly andesite to dacite flows, breccias and latite volcanics. A younger light salmon pink fine-grained feldspar porphyry unit is interpreted to cut the Mount Nansen Group volcanics.

Mineralization & Results

Soil sampling by Kennco outlined gold-molybdenum and copper molybdenum anomalies associated with volcanic and pyroclastic rocks of the Mt Nansen Group. Curley's geochemical program collected 1 rock, 8 silt and 126 soil samples. Five soil samples returned Au values greater than 20 ppb (highest = 53 ppb Au). The lack of well-developed soil and the presence of permafrost is thought to have depressed Au values in the samples.

Soil sampling in 2011 by YES Exploration noted anomalous gold-in-soil values concentrated in an arc to the east, west and south of a central plutonic granodiorite knoll with up to 0.112 ppm Au. Elevated molybdenum (up to 18 ppm Mo), arsenic (up to 212 ppm As), and copper (up to 90 ppm Cu) were also noted in soils.

Prospecting in 2011 noted the granitoid rocks consisting of fine- to medium-grained feldspar porphyry and rhyolites with disseminated pyrite. A grab sample taken during prospecting returned 181 ppm Mo, 693 ppm As, 257 ppm Pb and 0.8 ppm Ag.

Work History

Date	Work Type	Comment
12/31/1996	Geochemistry	Curley soil sampled and prospected Au claims.
12/31/1996	Other	
12/31/1971	Geochemistry	
12/31/1970	Geology	
12/31/1970	Other	
12/13/2011	Geochemistry	
12/13/2011	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096052	2011	Assessment Report on the Top Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
061105	1971	Report Geochemical Investigations Tri and Top Claim Groups	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		

