



Occurrence Details

Occurrence Number: 115P 008

Occurrence Name: East Ridge

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 11:40:03 AM

General Information

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

Aliases: Boulder Creek, Snark, Tee

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 63°46'29" N - -136°43'55" W

NTS Mapsheet(s): 115P15

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as Ted cl 1-66 (82532) in Dec/62 by Zulco Exploration Ltd which carried out bulldozer trenching from 1963-65. The claims were optioned in 1971-72 to Quintana Minerals Corporation, which carried out geological mapping, grid soil sampling and magnetometer surveying.

Restaked as Bonnie cl (Y97358) in May/75 by J. Anderson and as Tee cl 1-8 (YA1949) in May/76 by A. Triggs, who carried out hand trenching in 1977 and optioned the claims to CCH Resources Ltd later in the year. CCH and Inco tied on a block of 252 Snark cl (YA17407) in 1977-78 and carried out geological mapping and geochemical sampling in 1978. In 1979, Billiton Exploration Canada Ltd joined the project (Cortin Joint Venture), which carried out additional geological mapping, prospecting, trenching and geochemical sampling from 1979-81. CCH changed its name to Campbell Resources Inc in 1980.

In spring 1986, after the Cortin Joint Venture claims lapsed, Silverquest Resorces Ltd staked the Silver cl 1-24 (YA83015) on the north side of the Tee claims and added As cl 1-84 (YA83084) to the west in Jun/86. Silverquest carried out prospecting and reconnaissance geochemical sampling later that year, and bulldozer trenching in 1988. Silverquest changed its name to Cash Resources Ltd in spring/92. The Silver claims were gradually allowed to lapse until Feb/95 when the remaining two claims (YA83015) were transferred to Archer Cathro & Associates (1981) Ltd.

Kokanee Exploration Ltd tied on LT cl 1-4 (YB28946) to the east of the Tee claims in Sep/92.

Restaked as May cl 1-26 (YB98184) by Eagle Plains Resources Ltd in Sep/97 which carried out prospecting, hand trenching and geochemical soil and rock sampling in 1998 and 1999 and detail rock chip sampling and prospecting in 2000.

Restaked as May cl 1-40 (YC11556) in Jan/2004 by S. Ryan.

Capsule Geology

The claims are underlain by Late Paleozoic to Early Cambrian metasedimentary rocks (Hyland Group) that have been intruded by two mid Cretaceous granodiorite and quartz monzonite stocks and related dacite dykes. Mineralization occurs at the intrusive margins and in surrounding hornfels. It consists of (1) cassiterite in topaz and tourmaline-rich breccia zones; (2) argentiferous tourmaline-arsenopyrite veins; (3) argentiferous galena, sphalerite and chalcopryrite in brecciated quartz veins; and, (4) sphalerite and minor chalcopryrite, pyrrhotite and cassiterite in skarn.

The breccias consist of quartzite, schist or vein fragments (quartz or tourmaline) in a groundmass of crystalline quartz or tourmaline. A tourmaline-matrix breccia assayed 0.19 to 0.3% Sn. Veins consist of quartz or tourmaline. The largest vein is brecciated, up to 15 m wide and over 250 m in length. These veins contain 3.6 to 17.8% Pb, up to 2.5% Zn and 150 to 250 ppm Ag. Skarns contain axinite, actinolite, epidote and quartz and from 0.24 to 0.41% Sn. Heavy mineral concentrates from stream sediments in the area assayed up to 10% Sn and 1.9% WO₃. Erratic gold assays up to 2 000 ppb have been obtained from vein and skarn specimens.

The Tee showing consists of actinolite-quartz-axinite skarn with pyrrhotite, chalcopryrite and pyrite, formed at the margin of a hornblende granodiorite stock. A specimen taken by Emond and Lynch (1992) assayed 845 ppm Sn, 740 ppb Au, 2.38% Zn, 0.22% Cu and 16 ppm Ag.

The Snark showing, located 1 600 m to the southeast, consists of actinolite-quartz-epidote-axinite skarn with galena, pyrrhotite, chalcopryrite, sphalerite, pyrite and scheelite formed at the margin of a muscovite-biotite-rhyodacite dyke. Emond and Lynch reported that three five-metre chip samples taken over a 15 m width averaged 2 227 ppb Au, 28 ppm Ag, 1 210 ppm W, 951 ppm Sn, 5 553 ppm Cu and 3 740 ppm Zn.

Emond and Lynch noted a strong positive correlation between gold and bismuth in these skarns and suggested that bismuth can be used as a pathfinder for gold in this area. There is also a good local correlation between tin and tungsten, and tungsten and silver, on this property.

Miner River resampled the old showing which they called the FM (Tee showing) and Fringe (Snark showing) zones, obtaining similar results as those obtained historically. The company discovered a third showing (Cluster zone) 1 700 m to the east during staking in 1997. The showing occurs within an area underlain by the largest of granodiorite stocks which is anomalous in Au. A weighted average of nine samples from an area underlain by granodiorite returned 313 ppb Au over 7.3 m, while grab sampling of several narrow (5 cm wide) quartz arsenopyrite veins discovered in the area returned a peak value of 9.1 g/t Au. More detailed sampling and prospecting in 2000 indicates that mineralization in the Cluster zone consists of disseminations and fracture coatings of arsenopyrite. Chip sampling of granodiorite talus identified a 75 m wide section averaging 209 ppb that also returned anomalously high levels of Cu, As, W, Sb and Bi.

Work History

Date	Work Type	Comment
12/31/2000	Geochemistry	
12/31/1999	Geochemistry	Also soil sampling.
12/31/1999	Trenching	
12/31/1999	Other	
12/31/1998	Trenching	
12/31/1998	Other	
12/31/1998	Other	
12/31/1988	Trenching	

12/31/1986	Geochemistry	
12/31/1986	Other	
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1980	Other	
12/31/1979	Geology	
12/31/1979	Other	
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1977	Trenching	
12/31/1972	Geochemistry	
12/31/1972	Geology	
12/31/1972	Geochemistry	
12/31/1972	Ground Geophysics	
12/31/1965	Trenching	
12/31/1964	Trenching	
12/31/1963	Trenching	
12/13/1980	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096401	2013	Geological and Geochemical Report, Mapping and Soil Surveys on the Mayo Properties	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Prospecting - Other		
096024	2011	Geochemical and Geophysical Report on the Mahtin Property	Gamma-Ray Spectrometry - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Soil - Geochemistry		
095640	2007	Reverse Circulation Drilling and Geological Surveys on the May Creek Property, Mayo Mining District, Yukon Territory	Reverse Circulation - Drilling, Rock - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	4	207
094720	2004	Geophysical/ Soil Survey Report, May Creek 1-40 Claims	Soil - Geochemistry, Magnetics - Ground Geophysics, Line Cutting - Other		
094057	1999	Summary Report May 1-26 Quartz Claims	Rock - Geochemistry, Prospecting - Other		
092098	1987	Report on Soil Geochemistry and Bulldozer Trenching, Quest Property	Soil - Geochemistry, Mechanical - Trenching		
091879	1986	Report on Prospecting and Economic Potential of the Silver and Quest Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
091018	1981	Geological Surveys Tee Claims 1 to 8	Bedrock Mapping - Geology, Prospecting - Other		
090794	1980	Geological and Geochemical Surveys	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
090535	1979	Assessment Report Geological Mapping, Geochemical Survey	Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
090417	1978	Report on Snark Claims 1 to 210	Soil - Geochemistry		
060145	1972	Ted Group, East Ridge - Boulder Creek	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics		