



## Occurrence Details

**Occurrence Number:** 115G 102  
**Occurrence Name:** Tremblay  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 4/28/2025 7:37:51 PM

## General Information

**Secondary Commodities:** copper, gold, silver  
**Deposit Type(s):** Vein Cu+/-Ag Quartz  
**Location(s):** 61°32'32" N - -139°36'49" W  
**NTS Mapsheet(s):** 115G12  
**Location Comments:** 1 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked as Kelli, etc cl (YA93845) in Sep/85 by L. Tremblay and Dublin Gulch Mg L, which performed minor geochem sampling and bulldozer trenching in 1987 in conjunction with nearby placer mining. Adjoining claims include Sell & Buy cl (YA96203) by R. Staley, etc in May/87 to the east and west, Toby & Vieno cl (YA97449) to the south in Jun/87 by D. Makkonen, Odd & Gerty cl (YA95664) to the west in Sep/86 by O. Davis, and Pump cl (YA97334) to the west in May/87 by Reed Creek JV (All-North Res L, Chevron Mls L & Fleck Res L), which carried out geochemical sampling later in the year.

Kelli, etc claims were optioned briefly by Kelli Creek Res L, which performed bulldozer trenching in 1988. The Toby & Gerty claims were soil sampled in 1988. Tremblay and Dublin Gulch Placers (D. Duensing, R. Holway) trenched on the Kelli, etc claims.

In 1989, Dublin Gulch's share was transferred to D. Duensing in Sep/89. Tremblay performed further trenching, and tied on Kristy cl (YB26868) to the north of Kelli cl. In Oct/89, L. Smith and D. Makkonen added Chance cl (YB26849) to the south of Pump cl, and G. Geiger purchased a 30% interest in the Buy & Sell cl in Oct/89.

In Oct/90, Tremblay and E. Geiger added Ann cl (YB35476). Tremblay and partners E. & G. Geiger and V. Bjork added further Kristy (YB35800), Sandra (YB35811), Kid (YB35823) and Vern (YB35835) cl in May/91 and performed further trenching and sampling from 1991 to 1993.

L. Smith and D. Makkonen conducted a program of drilling, blasting and stripping on the Chance cl in Oct/93.

In July/94 D. Duensing et al. carried out trenching and blasting on the Kelli, Buy, Sell, Rose, Reno, Grace, Ann, JoJo and Sie claims.

#### Capsule Geology

Coarse angular gold nuggets associated with quartz-calcite vein float and black quartz - carbonate - graphite material were found during placer mining. At the downstream end the claims cover cataclastics near the Denali Fault. The Denali Fault has a demonstrated right-lateral offset of approximately 250 km and forms the east boundary of the Wrangellia terrane. Bedrock downstream of the canyon consists of cataclastics which is exposed for 300 m before disappearing under overburden. Bedrock upstream from the major fault consists of Station Creek Formation pyroclastic metavolcanic rocks of Pennsylvanian age, cut by a suite of Oligocene feldspar porphyry dykes. Emplacement of the dykes was controlled by a dominant set of ESE-striking shear zones (reverse faults with a strike-slip component) and a set of NNE tensional fractures. Adjacent to faults, the metavolcanic rocks are bleached, silicified and pyritized. Some of the dykes are fresh and exhibit chilled margins, while others are sheared and mylonitized and altered.

At three locations in Reed Creek canyon, porphyry dykes are hydrothermally altered to a mixture of sericite, quartz granules and clay. At the mouth of the canyon, blasting and excavator trenching exposed a 12 m wide zone of cataclastic breccia, large boudins of porphyry, and networks of anastomosing quartz veins. Black quartz-carbonate-graphite material in the shear zone is extensively veined with white quartz-calcite. Both the black and the white alteration resemble gangue adhering to the larger nuggets which have been found in the creek. The owners of the property selected specimens of the black material from this zone to form two composite samples, from which they obtained assays of 171.4 and 450.8 g/t Au.

#### References

DODDS, C.J., AND CAMPBELL, R.B., 1992. Overview, legend and mineral deposit tabulations for Geological Survey of Canada Open Files 2188, 2189, 2190 and 2191.

MAKKONEN, D.E. and SMITH, L.E., Jul/88. Assessment Report \*#092510 by T.V. Makkonen.

YUKON EXPLORATION 1989, p. 107; 1990, p. 60-63.

YUKON EXPLORATION AND GEOLOGY 1992, p. 2.

YUKON MINING AND EXPLORATION OVERVIEW 1989, p. 9.

YUKON NEWS, 11 Sep/92.

### Work History

Date	Work Type	Comment
12/31/1994	Trenching	
12/31/1994	Trenching	
12/31/1993	Trenching	
12/31/1993	Other	
12/31/1991	Trenching	

12/31/1989	Trenching	
12/31/1988	Trenching	
12/31/1987	Trenching	
12/31/1987	Other	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096983</a>	2016	Assessment Report describing Data Compilation at the Vault Property	Data Compilation - Pre-existing Data		
<a href="#">096719</a>	2014	Geological and Geochemical Report Kelli Claim Grouping HW07560	Silt - Geochemistry, Soil - Geochemistry		
<a href="#">095846</a>	2011	2011 Technical Assessment Report for the Vault Property, Yukon Territory	Rock - Geochemistry, Detailed Bedrock Mapping - Geology		
<a href="#">094506</a>	2004	Statement of Assessment Report	Diamond - Drilling, Drill Core - Geochemistry	5	305
<a href="#">092102</a>	1987	Report on 1987 Prospecting and Geochemical Program	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
<a href="#">092054</a>	1953	Report on the Geophysical Surveys in the Shakwak Valley Area, Yukon Territory for Canalask Nickel Mines Limited.	Magnetic - Airborne Geophysics		

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
<a href="#">04-KEL-1</a>	Kelli	2004	BQ TW	0	2
<a href="#">04-KEL-1A</a>	Kelli	2004	BQ TW	0	0
<a href="#">04-KEL-2</a>	Kelli	2004	BQ TW	0	2
<a href="#">04-KEL-3</a>	Kelli	2004	BQ TW	0	2
<a href="#">04-KEL-4</a>	Kelli	2004	BQ TW	0	2
<a href="#">04-KEL-5</a>	Kelli	2004	BQ TW	0	2