



## Occurrence Details

**Occurrence Number:** 115H 048

**Occurrence Name:** Killermun

**Occurrence Type:** Hard-rock

**Status:** Anomaly

**Date printed:** 5/31/2025 3:16:31 AM

## General Information

**Deposit Type(s):** Unknown

**Location(s):** 61°9'26" N - -137°39'50" W

**NTS Mapsheet(s):** 115H04

**Location Comments:** 1 Kilometres

**Hand Samples Available:** Yes

**Last Reviewed:**

### Capsule

#### Work History

Staked in Aug/86 as Ruby cl (YA95678) by United Keno Hill ML, which performed mapping and geochem sampling in 1987, and as KIL cl (YA95647) by Silverquest Res L, which prospected and soil sampled in 1987. United Keno soil sampled and mapped in 1989.

J.P. Ross staked the Spruce, Cliff and Wall cl (YA96123) 2 km to the west in Aug/86, performed soil sampling in 1987, and added additional Cliff cl (YB21207) in Aug/88. United Keno soil sampled and mapped in 1989.

In 1994 Cash Resources carried out grid soil sampling, prospecting, some geological mapping, excavator trenching and experimental geophysical surveys on its Ruby Range project located approximately 1 km to the north.

J.P. Ross staked Yola cl 1-28 (YB57969) 2 km to the east between Jul and Aug/95.

In 2010, 18526 Yukon Inc. staked the area as the Cliff property. During 2011 and 2012, the company conducted soil sampling and limited stream sediment sampling which were followed up in 2013 over Cliff Main Zone and the HI target. A small magnetic survey was conducted in 2013 but did not yield useful results.

In 2019, high resolution orthophotography and a DEM survey was captured over the Cliff Main Zone.

In 2022, rock sampling, soil sampling, and detailed bedrock and structural mapping was completed.

#### Capsule Geology

The area lies within the Taku Terrane which is bounded on the southwest by the Denali Fault and the northeast by a belt of intrusions related to the Coast Plutonic Complex. The Taku Terrane is a northwest-trending band of metasedimentary and metavolcanic rocks that extend over 1 200 km from the Alaskan Panhandle through western Yukon into southern Alaska. The main intrusive bodies in the vicinity are related to the Ruby Range Plutonic Suite which is thought to be an extension of the Great Tonalite Sill in Alaska.

Gold bearing quartz veins occur in biotite schist and muscovite schist of the Kluane Assemblage which is intruded by the Ruby Range Plutonic Suite. Both schists are graphitic, exhibit coarse schistosity and contain abundant blue-grey sieve textured porphyroblasts of graphite-filled andesine. Protoliths for the units are believed to be Mesozoic flysch derived from the west. Biotite-garnet-staurolite schist with minor tourmaline is the dominant unit in the claim area, and occurs in the upper panel of a thrust fault cutting across the southeast corner of the property. The trace of the fault is intermittently marked by a series of elongate lenses of olivine-serpentine schist. Sillimanite-grade thermal overprinting is believed to be related to the emplacement of the Ruby Range Batholith.

The Ruby Range Plutonic Suite (50 - 57 Ma) includes the Ruby Range Batholith which lies along the northeast side of the Kluane Assemblage plus smaller intrusions that cut the metasedimentary rocks. The predominant rock type consists of medium to coarse grained, non-foliated biotite hornblende granodiorite. The batholith was emplaced as a northeast-dipping sheet parallel to the regional metamorphic fabric, and is inferred to have been intruded during the last stage of metamorphism.

The claims were originally staked to cover gold anomalies in silt, from a GSC survey. United Keno Hill mapped a homoclinal sequence of felsic and mafic schist layers consisting of varying proportions of biotite, plagioclase and cordierite. North-trending vesicular andesite dykes and discordant quartz veins cut the schist. An andesite dyke returned a K-Ar age of 49.4 Ma, similar to the Nisling Alaskite and associated dyke swarms to the north.

#### References

CASH RESOURCES LTD, Mar/95. Assessment Report #093250 by W. Wengzynowski

GEORGE CROSS NEWSLETTER, 28 Apr/95; 10 Aug/95; 22 Sep/95.

NORTHERN MINER, 8 May/95.

ROSS, J.P., Dec/87. Assessment Report \*#091983 by J.P. Ross.

ROSS, J.P., Dec/87. Assessment Report \*#091985 by J.P. Ross.

UNITED KENO HILL MINES LTD, Jan/88. Assessment Report \*#092000 by L. Walton.

YUKON MINING AND EXPLORATION OVERVIEW 1989, p. 10.

### Work History

Date	Work Type	Comment
4/1/2022	Geochemistry	
4/1/2022	Geochemistry	
4/1/2022	Geology	
4/1/2019	Airphotography	

4/1/2013	Geochemistry	
4/1/2013	Ground Geophysics	
4/1/2013	Remote Sensing	
4/1/2012	Geochemistry	
4/1/2012	Geochemistry	
4/1/2011	Geochemistry	Recon contour soils
12/31/1994	Geology	
12/31/1994	Geochemistry	Also rock sampling.
12/31/1994	Ground Geophysics	HLEM survey run as a test.
12/31/1994	Trenching	
12/31/1989	Geology	
12/31/1989	Geochemistry	
12/31/1987	Geology	
12/31/1987	Geochemistry	
12/31/1987	Geochemistry	
12/31/1987	Other	
12/13/1994	Other	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096554</a>	2013	Geochemical and Geophysical Assessment Report for Work Performed on the Cliff Property	Rock - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Prospecting - Other		
<a href="#">096160</a>	2012	Geochemical Assessment Report for Work Performed on the Cliff Property	Silt - Geochemistry, Soil - Geochemistry		
<a href="#">091985</a>	1987	Geochemical Report	Silt - Geochemistry		