



Occurrence Details

Occurrence Number: 115F 103

Occurrence Name: Harjay

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 4/28/2025 7:29:25 PM

General Information

Secondary Commodities: gold

Deposit Type(s): Unknown

Location(s): 61°53'9" N - -140°26'22" W

NTS Mapsheet(s): 115F16

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Hazel cl 3-8 (YB5909) in Jul/87 by G. Harris. The claims expired one year later.

Capsule Geology

The area is located in the Hazel Creek drainage approximately 8 km upstream from the White River. The area was mapped in the 1960's by Muller (1967) of the Geological Survey of Canada. S. Israel of the Yukon Geological Survey published a geological compilation of southwest Yukon in 2004 and began re-mapping the region in the same year. In 2004 Israel and Van Zeyl, published a 1:50 000 map of the Quill Creek area which covers topographic map sheet 115G 12, located to the southeast.

Based on geological compilations by Israel (2004) and Gordey and Makepeace (2003) the northern side of Hazel creek is likely underlain by volcanic rocks assigned to the Pennsylvanian (?) and Permian aged Station Creek Formation. It is possible that these volcanic rocks are overlain in some places by the lower portion of the sedimentary dominated Hansen Creek Formation. The southern side of Hazel Creek is likely underlain by massive flood basalts assigned to the Upper Triassic Nikolai Formation. The flood basalts are in turn intruded by a large Cretaceous aged coarse-grained granitic intrusion belonging to the Klauene Range Suite.

The occurrence marks the location of a silt sample collected by the Geological Survey of Canada that returned 455 ppb gold. There appears to be some uncertainty regarding which side of Hazel Creek the sample was collected from however the survey's field notes lists rock age as Cretaceous and rock type as granodiorite, quartz diorite etc., suggesting that the sample was composed of mainly granitic material. Thus the sample was likely collected on the southern side of Hazel Creek.

Earlier versions of Minfile noted that a highly sheared, limonitic ultramafic body is poorly exposed in landslide material near the creek. Ultramafic bodies are common in the region however they are usually associated with copper-nickel and platinum group elements and not gold mineralization. Thus the anomaly's likely source is the granitic intrusion located to the south. No assessment or exploration work appears to have been filed on the Hazel claims. It is possible Harris staked the claims in hope of optioning them to Walhalla Exploration Ltd which staked the adjoining Pick claims (staked to the northwest - Minfile Occurrence #115F 043) in Jun/87.

References

GEOLOGICAL SURVEY OF CANADA, 1986. Regional Stream Sediment and Water Geochemical Reconnaissance Data, Yukon. Open File 1362, NTS 115F (E1/2), 115G.

GORDEY, S.P. AND MAKEPEACE, A.J. 2003: Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

GREENE, A.R., ET AL., 2005. Flood basalts of the Wrangellia Terrane, southwest Yukon: Implications for the formation of oceanic plateaus, continental crust and Ni-Cu- PGE mineralization. In: Yukon Exploration and Geology 2004, D.S. Emond, L.L. Lewis and G.D. Bradshaw (eds.), Yukon Geological Survey, p. 109-120.

ISREAL, S., 2004. Geology of Southwestern Yukon (1:250 000 scale). Yukon Geological Survey, Open File 2004-16.

ISRAEL, S., AND VAN ZEYL, D.P., 2004. Preliminary geological map of the Quill Creek map area, (parts of NTS 115G/5, 6 and 12), southwest Yukon (1:50 000 scale). Yukon Geological Survey, Open File 2004-20.

ISRAEL, S., AND VAN ZEYL, D.P., 2005. Preliminary geology of the Quill Creek map area, southwest Yukon parts of NTS 115G/5, 6 and 12. In: Yukon Exploration and Geology 2004, D.S. Emond, L.L. Lewis and G.D. Bradshaw (eds.), Yukon Geological Survey, p. 129-146.

MULLER, J.E. 1967. Klauene Lake map-area, Yukon Territory (115G, 115F E 1/2); Geological Survey of Canada, Memoir 340, 137 p.

YUKON EXPLORATION 1987, p. 254.

Work History

Date	Work Type	Comment
12/31/1986	Geochemistry	Regional silt and lake sediment sampling program carried out by Geological Survey of Canada.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
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092054	1953	Report on the Geophysical Surveys in the Shakwak Valley Area, Yukon Territory for Canalask Nickel Mines Limited.	Magnetic - Airborne Geophysics		
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