



Occurrence Details

Occurrence Number: 115I 014

Occurrence Name: Verlene

Occurrence Type: Hard-rock

Status: Unknown

Date printed: 4/29/2025 2:10:34 AM

General Information

Secondary Commodities: copper, gold, silver

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 62°29'53" N - -137°2'39" W

NTS Mapsheet(s): 115I06

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Originally staked as Verlene cl (12244) in Jul/12.

In Sep/71 Hart River Mines Limited staked Car cl 1-64 (Y62104) immediately to the south. The company carried out soil sampling and prospecting in 1972.

M. Nichiorick staked Tim cl 1-32 (Y77079) 6.4 km to the southeast in Sep/73 and J.B. O'Neil staked Delta cl 1-32 (Y77460) 9.6 km to the southeast in Oct/73. Both claim groups are located on adjoining topographic map sheet 115I 07.

J.B. O'Neil staked Ozark cl 1-24 on the northwest boundary of the lapsed Car claims in Oct/73.

Restaked as HI cl 1-70 (YA7646) in Aug/76 and fractional cl 71-78 (YA8197) in Sep/76 by United Keno Hill Mines Ltd, which performed mapping and geochemical surveys in 1976 and IP and resistivity surveys in 1977. The company staked Fil cl 1-128 (YA49219) cl 129-136 (YA51008) and cl 137-248 (YA49355) 1 km to the southeast in May and Jun/80. In the spring of 1981 United Keno Hill Mines flew a regional airborne magnetic and EM geophysical survey over the HI and Fil claims. The company followed up with geological mapping and a large soil sampling program later in the year. In 1982 the company dug 15 bulldozer trenches on the HI claims and 10 trenches on the Fil claims. United Keno Hill Mines Ltd restaked HI cl 15-70 (YB25731) in Mar/89.

S. Ryan staked Spring cl 1-6 YC46788) 2 km to the southwest in Apr/2006. In Sep/2006 Ryan collected 3 soil samples and prospected a historical showing located at the southeast end of the claim block. In Nov/2006 Ryan optioned a 100% interest in the Spring claims and 14 other neighbouring claim groups to BCGold Corp in return for cash, shares and certain work commitments.

Capsule Geology

The area is located on the northwest shore of Big Creek approximately 25 km northwest of Western Copper Corporation's Carmacks Copper Project (Minfile Occurrence #115I 008). The area is located on the boundary between the Yukon-Tanana and Stikinia terranes. Based on Colpron's 2006 map the occurrence site likely lies in the Yukon-Tanana terrane.

The area is covered by deep overburden and outcrop is sparse. Gordey and Makepeace (2003) released a geological compilation of the Yukon which covered this area. According to this compilation the occurrence lies at the boundary between Early Jurassic foliated and non-foliated granodiorite assigned to the Granite Mountain batholith and volcanic rocks, minor conglomerate and other clastic rocks assigned to the Upper Cretaceous Carmacks Group.

The Car and Ozark claims are reported to have been explored with widespread soil sampling and prospecting surveys but no assessment work appears to have been filed. United Keno Hill Mines reported that the area was mainly underlain by massive granodiorite containing pockets of weakly foliated granodiorite. A few scattered outcrops of volcanic rock were noted across the area and conglomerate was reported to overlie the granodiorite along the northeast corner of the HI claim block.

United Keno Hill Mines located weak copper mineralization in a northeast trending weakly lens of foliated biotite hornblende granodiorite located at the southeast end of the HI claim block. The copper mineralization in the form of malachite measured up to 6 m wide and returned values ranging from 100 to 2 800 ppm copper and trace amounts of silver and gold. A small induced polarization survey conducted over the area did not return any anomalies. Soil sampling on the Fil claims outlined numerous spot copper anomalies. Follow-up trenching failed to uncover any substantial mineralization.

Ryan staked the Spring claims over malachite mineralization previously discovered on the HI claims. The prospecting and minor soil sampling did not return any anomalous results.

References

BCGOLD CORP, News Release. 27 Nov/2006.

BCGOLD CORP, May/2010. Web Site: www.bcgoldcorp.com.

COLPRON, M. (COMPILER), 2006. Tectonic assemblage map of Yukon-Tanana and related terranes in Yukon and northern British Columbia (1:1 000 000 scale). Yukon Geological Survey, Open File 2006-1.

FALCONBRIDGE NICKEL MINES LTD, Feb/79. Assessment Report #090428 by P.A. Smith.

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).

MINERAL INDUSTRY REPORT 1976, p. 173-174; 1977, p. 71; 1978, p. 48.

RYAN, S., Oct/2007. Assessment Report #094836 by S. Ryan.

TAFTI, R. AND MORTENSEN, J.K., 2004. Early Jurassic porphyry (?) copper (-gold) deposits at Minto and Williams Creek, Carmacks Copper Belt, western Yukon. In: Yukon Exploration and Geology 2003, D.S. Emond and L.L. Lewis (eds.), Yukon Geological Survey, p. 289-303.

TEMPLEMAN-KLUIT. D.J., 1984. Geology, Laberge (105E) and Carmacks (115I), Yukon Territory. Geological Survey of Canada, Open File 1101, 1:250 000 scale.

UNITED KENO HILL MINES LTD, Jul/77. Assessment Report #090192 by R.J. Joy and R.E. Van Tassell.

UNITED KENO HILL MINES LTD, Jan/79. Assessment Report #090428 by P.A. Smith.

UNITED KENO HILL MINES LTD, Aug/81. Assessment Report #0904850 by Z. Dvorak.

UNITED KENO HILL MINES LTD, Nov/81. Assessment Report #0904931 by G. Davidson and R.J. Joy.

YUKON EXPLORATION AND GEOLOGY 1981, p. 217-218, 1982, p. 202-203.

Work History

Date	Work Type	Comment
12/31/2006	Geochemistry	Minor amount by Ryan.
12/31/2006	Other	Half a day around historical showing.
12/31/1982	Trenching	Carried out on HI and Fil claims.
12/31/1981	Geology	Carried out on Fil and HI claims.
12/31/1981	Geochemistry	Carried out on Fil and HI claims.
12/31/1981	Airborne Geophysics	Also EM survey. Flown over HI and Fil claims.
12/31/1977	Ground Geophysics	
12/31/1976	Geology	
12/31/1976	Geochemistry	
12/31/1972	Geochemistry	By Hart River Mines.
12/31/1972	Other	By Hart River Mines.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095393	2010	An Airborne Magnetic-Radiometric Survey Program Report on OPRAH Claims Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
090931	1981	1981 Geological and Geochemical Report on the FIL Claim Group	Magnetic - Airborne Geophysics, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
090850	1981	Logistics Report on DIGHEM II Survey of FIL Claim Block	Electromagnetic - Airborne Geophysics, Orthophoto - Airphotography		
090428	1978	Report on the Induced Polarization and Resistivity Survey on the STU and HI Claim Groups	IP - Ground Geophysics, Resistivity - Ground Geophysics		