



## Occurrence Details

**Occurrence Number:** 115O 138  
**Occurrence Name:** Cowan  
**Occurrence Type:** Hard-rock  
**Status:** Prospect  
**Date printed:** 4/29/2025 7:15:13 AM

## General Information

**Secondary Commodities:** barium, gold, silver  
**Deposit Type(s):** Unknown  
**Location(s):** 63°46'21" N - -138°44'41" W  
**NTS Mapsheet(s):** 115O15  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked within Run cl 25-50 (YA83946) and cl 80-111 (YA83992) in Jun/84 by a joint venture between United Keno Hill Mines Ltd and Falconbridge Ltd, which drilled a fence of 5 percussion holes (374.9 m) later in the year.  
Restaked in Nov/92 as part of King cl 1-60 (YB41555) by the Dawson Syndicate (1983) Ltd which immediately optioned the claims to Otis J. Exploration Corporation. In 1993 the company collected two contour lines of soil samples around the headwaters of Portland and Gold Run Creeks.  
Restaked within Sur cl 1-625 (YB81782) in Jun/96 by Barramundi Gold Ltd which carried out a large regional geological mapping, rock and silt sampling program later in the year.  
In Jun/2000 KSL Exploration (Yukon) Ltd, a wholly owned subsidiary of Klondike Source Ltd; a public company registered in Australia staked Strike cl 1-13 (YC20177) 1 km to the west. The company restaked the occurrence as Strike cl 14-31 (YC20315) in Aug/2000 and collected six lines of soil samples across the entire claim block in Sep/2000. In 2002 the company collected an additional line of soil samples. All of the soil samples were analyzed using Mobile Metal Ion (MMI) geochemistry.  
KSL Exploration restaked Strike cl 1-13 as Bry cl 1-13 (YC21562) in Jun/2002.

#### Capsule Geology

The area was re-mapped by Mortensen (1996) who was under contract to the Canada/Yukon Geoscience Office (now part of the Yukon Geological Survey). The occurrence is located in the gravel-filled valley of Gold Run Creek. Mortensen's mapping suggests that the area is likely underlain by felsic schist (unit Psqm), and micaceous quartzite and quartz-muscovite-chlorite schist (unit Psq) of the Permian Klondike Schist assemblage. However, recent mapping carried out by Ryan and Gordey (2002, 2003) south of the Indian River suggests that these rocks may in fact be Upper Devonian to Mississippian in age. The differences in ages can be explained by each group's mapping methods. Mortensen mapped suites which he correlated to isotopically dated rocks to the north. Ryan and Gordey mapped units based on individual outcrop descriptions which they correlated to assumed protoliths. In summary, current research suggests that the oldest rocks in the area are as old as Upper Devonian.  
The five percussion holes drilled by United Keno Hill Mines tested a section across upper Gold Run Creek. None of the holes intersected anomalous gold or silver values. The soil sampling carried out by Otis J Exploration returned two weak spot gold anomalies downslope from a known occurrence. No other anomalies were detected.  
Silt sampling carried out by Barramundi Gold identified a strong barium response and moderate lead and mercury responses from a stream branch located at the head waters of upper Gold Run Creek. The 2000 and 2002 soil sampling programs carried out by KSL Exploration identified numerous weak to moderate spot gold anomalies, none of which were judged worthy of follow-up work.

#### References

BARRAMUNDI GOLD LTD, Aug/97. Assessment Report #093711 by R. Stevens.  
DAWSON SYNDICATE LTD, Pearl Petroleum Corp., and Otis J Exploration Corp, 1993. Assessment Report #093158 by P. Southam  
DEBICKI, R.L., 1985. Bedrock geology and mineralization of the Klondike area (east). Exploration and Geological Services Division, DIAND, Open File 1985-1.  
GORDEY, S.P. AND RYAN, J.J. 2004. Geology, Stewart River Area (Parts of 115N/1,2,7,8 and 115-O/2-12), Yukon Territory; Geological Survey of Canada, Map 1772A, scale 1:100 000. In Press.  
KSL EXPLORATION (YUKON) LTD, Dec/2001. Assessment Report #094268 by R.G. Adamson and C.M. Thomas.  
KSL EXPLORATION (YUKON) LTD, Feb/2003 Assessment Report #094355 by R.G. Adamson and C.M. Thomas.  
MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixty Mile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).  
RYAN, J.J. AND GORDEY, S.P. 2002. Bedrock geology of Yukon-Tanana terrane in southern Stewart River map area, Yukon Territory. Geological Survey of Canada, Current Research 2002-A1, 11 p.  
RYAN, J.J. ET AL., 2003. Update on bedrock geological mapping of the Yukon-Tanana terrane, southern Stewart River map area, Yukon Territory. Geological Survey of Canada. Current Research 2003-A9, 7 p.  
UNITED KENO HILL MINES LTD, Jun/85. Assessment Report #091634 by D.R. Prince.

### Work History

Date	Work Type	Comment
12/31/2002	Geochemistry	Analyzed by Mobile Metal Ion geochemistry.
12/31/2000	Geochemistry	Analyzed by Mobile Metal Ion geochemistry.
12/31/1996	Geochemistry	
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1993	Geochemistry	Contour soil sampling.
12/31/1984	Drilling	Five holes, 374.9 m. Drilled a fence of percussion holes.
12/31/1984	Ground Geophysics	Ran surveys over areas covered by drilling.

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095546</a>	2010	Surface Work Performed from August 25 to December 10,2010 on the Portland Property	Soil - Geochemistry, Backhoe - Trenching		
<a href="#">094507</a>	2004	Assessment Report for the Renewal of BRY, MY, HIT, and STRIKE Claims	Soil - Geochemistry		
<a href="#">094355</a>	2002	Assessment Report Geochemical and Geological Surveys for the renewal of HIT and STRIKE Claims	Soil - Geochemistry, Prospecting - Other		
<a href="#">094268</a>	2001	Assessment Report for Renewal of KSL, STRIKE, and HIT Claims	Soil - Geochemistry		
<a href="#">093158</a>	1993	Yukon Assessment Report King 1-60 Claims	Soil - Geochemistry		
<a href="#">091634</a>	1984	Report on the 1984 Exploration Program in Klondike Gold Fields	Electromagnetic - Airborne Geophysics, Percussion - Drilling, Drill Cuttings - Geochemistry, EM - Ground Geophysics	95	6900.67
<a href="#">060149</a>	1972	Geological and Geochemical Report Yukon Quartz Mineral Claims	Silt - Geochemistry, Soil - Geochemistry		