



Occurrence Details

Occurrence Number: 105F 066

Occurrence Name: Connell

Occurrence Type: Hard-rock

Status: Showing

Date printed: 6/14/2025 4:54:27 PM

General Information

Secondary Commodities: copper, silver

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 61°30'21" N - -132°39'29" W

NTS Mapsheet(s): 105F10

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Discovered by the D. Tempelman-Kluit of the Geological Survey of Canada in 1975 and staked in Sep/76 by P. Derkach as Seatu cl 1-20 (YA11044), which were transferred to a new company, Seatu Exploration Ltd and explored with mapping, geochemical, magnetic and EM surveys in 1977 and 1978.

Restaked as Jef cl 1-51 (YA99784) in Feb/87 by Cominco Ltd, which optioned the property to Comox Resources Ltd in 1988. In Nov/88 Comox changed its name to Pacific Comox Resources Inc.

Yukon Minerals Corporation staked Megan cl 1-12 (YA99610) one km to the north in Nov/86 and explored with prospecting and sampling in 1987 and trenching in 1988.

In the summer of 1994, Pacific Comox used a reverse circulation drill to test previously flown airborne magnetic and VLF-EM anomalies, completing 30 holes totaling 412 m on its Tay-LP property including three holes drilled on the Jef claims. Upon completion of the project the company consolidated its holdings by lapsing a large number of claims covering areas the company judged to possess little economic potential, including this occurrence.

In Mar/2000, Ross River Gold Ltd, the current operator of the Tay-LP project staked Cam cl 1-40 (YB92579) 3 km to the southeast. In May/2002 Ross River Gold Ltd, re-organized and under went a reverse take over with Panamex Resources Inc to emerge as Ross River Minerals Ltd. In 2003 the company carried out prospecting, geological mapping, stream sediment sampling and water analysis as part of a larger exploration program covering the Tay-LP property. Also in 2003, J. Bond and K. Kennedy of the Yukon Geological Survey studied the surficial geology and ice-flow patterns in the Seagull Creek area.

Ross River Minerals restaked the occurrence within Cam claims 41-76 (YC25369) in Nov/2004.

Capsule Geology

The occurrence is located southwest of the Tintina Fault in the Ketza-Seagull district of the Cassiar Terrane (Platform). The Ketza-Seagull district is underlain by thick (400 m or greater) successions of miogeoclinal clastic, volcanic and carbonate rocks, ranging in age from Upper Proterozoic to Mississippian that were deformed during Mesozoic arc-continental collision, and by mid-Cretaceous intrusions. A series of thrust faults combined with crustal shortening associated with the Seagull Uplift has resulted in older rocks being thrust overtop younger rocks. The Seagull Uplift is thought to be related to uplift above one or more buried Cretaceous intrusions. The Seagull Creek area is known to host at least 19 occurrences consisting of veins, skarns, breccia pipes, disseminated pyrite gossans, stockworks and replacement mantos in volcanics, sediments and carbonates associated with Mississippian age syenite bodies and mid-Cretaceous intrusions.

Little information exists on the occurrence. It is believed that D. Tempelman-Kluit discovered tetrahedrite veinlets cutting Lower Cambrian dolomite while carrying out regional geological mapping. Soil sampling gave low values while the mag survey outlined a 4 000 gamma contrast above a 23 000 gamma background in a deeply overburden-covered area underlain by Cambrian to Ordovician argillite or Devonian dolomite at the northeast corner of the Seatu claim block.

Exploration work carried out by Pacific Comox on the adjoining Tay-LP claims determined that VLF-EM anomalies that are non-coincident with magnetic anomalies are more likely to contain gold. The company concentrated their efforts on these targets. The gold mineralization takes the form of (a) pyrrhotite-pyrite-chalcopyrite-arsenopyrite-bismuth bearing veins and (b) manto-replacement style of mineralization. Seven of thirty drill holes, on the Tay-LP property returned significant results with the best hole assaying 5.2 g/t Au over 5.5 m.

Rock and silt sampling carried out in 2003 returned scattered anomalous values, however Ross River concentrated the bulk of their exploration efforts further north on the Tay-LP claims. Field work by Kennedy and Bond (2004) determined that glacial flow in the Seagull Creek area was to the north, up-valley, in the opposite direction to what had previously been believed. These results have a significant bearing on the interpretation of soil geochemical anomalies and the potential of known mineralized occurrences in the area. Ross River hopes to use this data to improve their search results.

The Cam claims appear to have been staked to cover the possible strike extent of mineralization encountered on Ross River Minerals adjoining Tay-LP claims.

References

COMINCO LTD, Feb/88. Assessment Report #092081 by I.A. Paterson.

KENNEDY, K.E. AND BOND, J.D., 2004. Evidence for a late-McConnell readvance of the Cassiar Lobe in Seagull Creek, Pelly Mountains, central Yukon. In: Yukon exploration and Geology 2003, D.S. Emond and L.L. Lewis (eds.), Yukon Geological Survey.

MINERAL INDUSTRY REPORT, 1978, p. 62.

MC CRORY, K. AND DAVIS, H., Jun/88. Assessment Report #092479 by R. Robertson.

NUSPAR RESOURCES LTD, Oct/77. Assessment Report #061635 by A.E. Nevin and T.L. Sadler-Brown.

NUSPAR RESOURCES LTD, Oct/77. Assessment Report #061636 by A.E. Nevin and T.L. Sadler-Brown.

NUSPAR RESOURCES LTD, Oct/77. Assessment Report #061637 by A.E. Nevin and T.L. Sadler-Brown.

NUSPAR RESOURCES LTD, Oct/77. Assessment Report #061638 by A.E. Nevin and T.L. Sadler-Brown.

PACIFIC COMOX RESOURCES LTD, Jan/95. Assessment Report #093286 by M.A. Mitchell.

ROSS RIVER MINERALS LTD, Mar/2004. Assessment Report #094445 by R.S. Tolbert.

ROSS RIVER MINERALS LTD, Jun/2005. Web Site: www.rossriverminerals.com/

SEATU EXPLORATION LTD, 1978. Assessment Report #090326 by M.G. Berretta.

TEMPELMAN-KLUIT, D., 1977. Quiet Lake (105F) and Finlayson Lake (105G) Map Areas. Geological Survey of Canada. Open File 486.

TOLBERT, R.S., Mar/2000. Assessment Report #094143 by R.S. Tolbert (representing original stakers).

YUKON EXPLORATION AND GEOLOGY 2003, p. 13, 26; 2004, p. 12-13, 32, 33.

Work History

Date	Work Type	Comment
12/31/2003	Geochemistry	
12/31/2003	Geochemistry	
12/31/2003	Other	
12/31/1994	Drilling	Thirty holes, 412 m. Drilling type was reverse circulation, three holes completed on Jef claims.
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1978	Ground Geophysics	Also magnetic survey.
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Ground Geophysics	Also magnetic survey.
12/13/2003	Geology	
12/13/1988	Trenching	
12/13/1987	Geochemistry	Also rock sampling
12/13/1987	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095218	2010	2009 Diamond Drilling Program	Diamond - Drilling, Diamond - Drilling	10	1868
094677	2005	2005 Program of Prospecting on the Cam 41-76 Claims, Tay-LP Property	Rock - Geochemistry, Silt - Geochemistry, Bedrock Mapping - Geology		