Occurrence Details

Occurrence Number: 106C 018
Occurrence Name: Kidney
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/15/2025 1:06:55 PM

General Information

Secondary Commodities: copper, uranium
Deposit Type(s): Iron Oxide Breccias & Veins (Wernecke Breccias)
Location(s): 64°49'22" N - -133°52'29" W
NTS Mapsheet(s): 106C13
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Discovered by Cyprus Exploration Corporation Ltd in 1968 and first staked as QMY cl (Y97812) in Jul/75 by Corval Resources Ltd. Adjacent Olympic 1-98 cl (YB28634) were staked between July and November, 1992 by a joint venture consisting of Pamicon Developments Ltd, Equity Engineering Ltd and Westmin Resources Ltd, which performed mapping, prospecting and geochemical sampling and a reconnaissance mag-VLF survey in 1992. In Jan/94 the joint venture partners transferred 100 % interest in the claims to Westmin Resources Ltd. Between Jun. and Jul/94 Pamicon drilled four holes (785 m) on Olympic claims 42,45 and 60 to test a geophysical anomaly, a soil geochemical anomaly and the mineralization potential of a lense of Wernecke Breccia. The company assayed for Au, Cu, Co and Ag and measured for magnetic susceptibility and ionizing radiation (counts/sec using a scintillometer). None of the holes returned economic values.
Restaked as the Joli 1-126 cl (YB22161) in Jun/93 by Archer, Cathro and Associates (1981) Ltd and optioned briefly to Kennecott Canada Inc. Kennecott tied on 158 Cord claims (YB22287) to the west in June and July, 1993 and explored both the Joli and Cord claims with mapping and geochemistry.

Capsule Geology

The region is underlain by a metamorphosed and altered sequence of Early Proterozoic Wernecke Supergroup clastic and carbonate rocks (Fairchild Lake Group, Quartet Group and Gillespie Lake Group, from oldest to youngest) that are intruded by Early to Middle Proterozoic mafic sills and dykes, and cut by Middle Proterozoic Wernecke Breccia. To the east, Wernecke Supergroup rocks are unconformably overlain by Middle Proterozoic Pinguicula Group rocks. According to Thorkelson (2000), Wernecke Breccia development is best modeled as a set of hydrothermal and/or phreatic breccias; brecciation being caused by explosive expanson of volatile-rich fluids. Hunt (2005) attributed Wernecke Breccia formation to periodic over-pressuring of dominantly basinal fluids, which lead to repeated brecciation of host strata and mineral precipitation.
Minor chalcopyrite and uranium minerals occur in narrow veinlets associated with two closely spaced faults in Gillespie Lake Group orange dolostone.

References

ELDORADO NUCLEAR LTD, Nov/79. Assessment Report #090517 by C.J. Riley.

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).

HUNT, J., 2005. The geology and genesis of iron oxide-copper-gold mineralisation associated with Wernecke Breccia, Yukon Canada, PhD thesis, James Cook University, Australia, 2 volumes, 120 p.

KENNECOTT CANADA INC., Mar/94. Assessment Report #093193 by R. Hulstein.

PAMICON DEVELOPMENT LTD., Oct/94. Assessment Report #093222 by D. Caulfield.

THORKELSON, D.J. AND WALLACE, C.A., 1994b. Geological Setting of mineral occurrences in Fairchild Lake map area, (106C/13), Wernecke Mountains, Yukon. In: Yukon Exploration and Geology, 1993, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 79-92.

THORKELSON, D.J. AND WALLACE, C.A., 2000. Geology and mineral occurrences of the Slats Creek, Fairchild Lake and "Dolores Creek" areas, Wernecke Mountains, Yukon (106D/16, 106C/13, 106C/14). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 10, 73 p.

WESTMIN RESOURCES LTD, Dec/92. Assessment Report #093116 by D.A. Caulfield.

Work History

Date	Work Type	Comment
12/31/1994	Drilling	Four holes, 785 m. Work carried out on Olympic cl 42, 45 and 60.
12/31/1993	Geology	
12/31/1993	Geochemistry	
12/31/1992	Geochemistry	
12/31/1992	Geology	

12/31/1992	Ground Geophysics	Also VLF survey.
12/31/1992	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095646	2007	2007 Geological, Geochemical and Geophysical Report on the Werneckes Project	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Scintillometer - Ground Geophysics, Prospecting - Other, Backhoe - Trenching, Hand - Trenching, Handblast - Trenching	28	6537.96
094956	2006	2006 Geological, Geochemical and Geophysical Report on the Werneckes Project	Reverse Circulation - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Scintillometer - Ground Geophysics, Prospecting - Other		
093193	1993	Assessment Report on the 1993 Geological and Geochemical Investigation of the Jolly Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091442	1983	Geological and Geochemical Report Jolly 1-10 Claims	Interpretation - Airphotography, Bedrock Mapping - Geology, Hand - Trenching		
090517	1978	Report on Airborne Radiometric Survey and Prospecting Tow 1-6 Claims	Gamma-Ray Spectrometry - Airborne Geophysics		