



Occurrence Details

Occurrence Number: 106C 093
Occurrence Name: Athens
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 4:15:02 PM

General Information

Secondary Commodities: copper
Deposit Type(s): Iron Oxide Breccias & Veins (Wernecke Breccias)
Location(s): 64°51'7" N - 133°51'15" W
NTS Mapsheet(s): 106C13
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as MMM cl 1-12 (YB28964) and Olympic cl 1-86 (YB28634) in Sep and Oct/92 by a joint venture consisting of Pamicon Developments Ltd, Equity Engineering Ltd and Westmin Resources Ltd. The joint venture explored with geological, geochemical and geophysical surveys in Jun/93, and added the Olympic 99-150 cl (YB22868) in Oct/93. The Tow occurrence (Minfile Occurrence #106C 090) and the Olympic occurrence (Minfile Occurrence #106C 095) also occur within this claim block. In Jun/94 Pamicon and Equity transferred 100% interest in both claim groups to Westmin Resources Ltd.
Between June and Jul/94, Pamicon drilled 4 holes (785 m) on Olympic claims 42, 45 and 60.

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 hematitic Wernecke Breccia. According to Thorkelson (2000), Wernecke Breccia development is best modeled as a set of hydrothermal and/or phreatic breccias; brecciation being caused by explosive expansion 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
The claims cover bornite in a breccia body hosted by Gillespie Lake Group. The 1994 drilling tested a geophysical anomaly, a soil geochemical anomaly and the mineralization potential of a lens of Wernecke Breccia. Pamicon assayed for gold, copper, cobalt and silver and measured for magnetic susceptibility and ionizing radiation (counts/sec using a scintillometer). None of the holes returned economic values.

References

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.

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

THORKELSON, D.J. AND WALLACE, C.A., 1994. 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 Slat 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 #093117 by D.A. Caulfield.

WESTMIN RESOURCES LTD, Feb/94. Assessment Report #093172 by D.A. Caulfield and M.A. Stammers.

Work History

Date	Work Type	Comment
12/31/1994	Drilling	Four holes, 785 m. Drilling carried out on Olympic cl 42, 45 and 60.
12/31/1993	Geology	
12/31/1993	Geochemistry	Also rock sampling.
12/31/1993	Ground Geophysics	Also magnetics and resistivity surveys.
12/13/1992	Geochemistry	
12/13/1992	Geology	
12/13/1992	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 Wernekes 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 Wernekes Project	Reverse Circulation - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Scintillometer - Ground Geophysics, Prospecting - Other		
093222	1994	[Diamond Drilling Report on the Olympic Claims	Diamond - Drilling, Drill Core - Geochemistry	4	784.30
093172	1993	1993 Summary Report on the Olympic 1-98 Claims, MMM 1-12 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other		
093116	1992	1992 Geochemical Report on the Olympic 1-92 Claims	Rock - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
090517	1978	Report on Airborne Radiometric Survey and Prospecting Tow 1-6 Claims	Gamma-Ray Spectrometry - Airborne Geophysics		