



Occurrence Details

Occurrence Number: 106C 017
Occurrence Name: Dobby
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 4:20:12 PM

General Information

Secondary Commodities: copper, uranium
Aliases: Vulcan
Deposit Type(s): Iron Oxide Breccias & Veins (Wernecke Breccias)
Location(s): 64°52'44" N - -133°21'16" W
NTS Mapsheet(s): 106C14
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as Lad cl (Y57435) in Mar-Aug/72 by Cypress Resources Ltd staked as Elk cl (YA14479) in Nov/76 by Mountaineer Mines Ltd and optioned to Pan Ocean Oil Ltd, which explored with mapping and geochem surveys in 1977 and 1978, radiometric and VLF-EM surveys in 1979, and hand trenching in 1980. Mountaineer changed its name to Canadian Mineral Corporation in 1979 and Pan Ocean's interest was transferred to Aberford Resources Ltd in 1982.
In Oct/94 D & J Hajek restaked the showing within the Key cl 1-38 (YB43466). The Hajeks also staked the Bloom cl 1-38 (YB43576) to the northwest at the same time. In Feb/95 the Hajeks transferred the Bloom and Key claims to West Lake Ltd which carried out a trenching and prospecting program later in the summer.

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 and south, 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 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 occurrence is underlain by Fairchild Lake Group and Quartet Group argillite and dolostone. Narrow lenses and disseminations of chalcopyrite occur in at least four showings within the sedimentary units. Disseminated chalcopyrite and brannerite occur near the core of a 50 by 15 m Wernecke Breccia body.
A chip sample taken across a 1 by 0.6 m area of high radioactivity readings assayed 0.38% Cu and 0.012% U3O8.

References

CYPRESS RESOURCES LTD, Apr/72. Prospectus Report by R.S. Adamson.

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.

MINERAL INDUSTRY REPORT 1977, p. 41; 1978, p. 13.

MOUNTAINEER MINES LTD, Jan/79. Assessment Report #090424 by C.K. Ikona and M.A. Stammers.

MOUNTAINEER MINES LTD AND PAN OCEAN OIL LTD, 1981. Assessment Report #090819 by D.L. Dick and D.B. Harmeson.

PAMICON DEVELOPMENTS LTD, 1981. Assessment Report #090585 by C.K. Ikona and D.A. Yeager.

PAN OCEAN OIL LTD, 1977. Assessment Report #090283 by C.K. Ikona and D.A. Yeager.

THORKELSON, D.J. and WALLACE, C.A., 1995. Geology and mineral occurrences of the Dolores Creek map area (106C/14), Wernecke Mountains, northeastern Yukon. In: Yukon Exploration and Geology, 1994. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 19-30.

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.

WEST LAKE LTD, Mar/96. Assessment Report #093510 by J.H. Hajek.

YUKON EXPLORATION AND GEOLOGY 1981, p. 186.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 223-224.

Work History

Date	Work Type	Comment
12/31/1995	Trenching	
12/31/1995	Other	
12/31/1980	Geology	
12/31/1980	Trenching	
12/31/1979	Ground Geophysics	Also VLF-EM survey .
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Geochemistry	
12/31/1976	Geology	1: 50 000 scale.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095634	2007	YUP February Internal Technical Report, Season 2007 Describing Mapping, Prospecting and Diamond Drilling at the Lumina Property	Gamma-Ray Spectrometry - Airborne Geophysics, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Scintillometer - Ground Geophysics, Prospecting - Other	15	4367.20
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
094953	2006	Assessment Report Describing Airborne Geophysics, Mapping, Prospecting and Diamond Drilling	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Drill Core - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	22	2602.89
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		
093510	1995	1995 Assessment Report Glacial Lake Properties	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Backhoe - Trenching		
090819	1980	Assessment Report on the Elk 1 - 90 Mineral Claims	Rock - Geochemistry, Prospecting - Other, Hand - Trenching		
090424	1979	Mountaineer Mines Ltd. - Pan Ocean Oil Ltd. Joint Venture	Soil - Geochemistry, Water - Geochemistry, Prospecting - Other		
090585	1979	Mountaineer Mines Ltd- Pan Ocean Oil Ltd.	EM - Ground Geophysics, Scintillometer - Ground Geophysics		
090283	1977	Geological and Geochemical Report on the Elk 1-90 Mineral Claims	Water - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
061207	1974	Report on Geological and Geochemical Field Work 1974 EG Claim Group	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		