



## Occurrence Details

**Occurrence Number:** 106E 025  
**Occurrence Name:** Mountaineer  
**Occurrence Type:** Hard-rock  
**Status:** Showing  
**Date printed:** 4/29/2025 4:36:10 PM

## General Information

**Secondary Commodities:** uranium  
**Deposit Type(s):** Iron Oxide Breccias & Veins (Wernecke Breccias)  
**Location(s):** 65°2'28" N - 134°5'49" W  
**NTS Mapsheet(s):** 106E01  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Staked as Hare cl (YA14341) in Nov/76 by Mountaineer ML and optioned to Pan Ocean OL. Restaked by Pamicon Developments Ltd as the Hoover 1-114 cl (YB28692, YB28970) in July and August, 1992 for a joint venture consisting of Pamicon Developments Ltd, Equity Engineering Ltd, Westmin Resources Ltd and Newmont Exploration Ltd. The original 8 claims were explored with limited mapping and sampling in 1992. The joint venture conducted geochemical sampling, geological mapping and geophysics in 1993. In Jan/94 the joint venture partners transferred 100 % interest in the Hoover and Slab claim groups to Westmin Resources Ltd. Between June and Sept/94 Pamicon drilled 5 holes (1178 m) on Hoover cl 1 and 3 (YB28692). In Jun/95 the joint venture group drilled 3 more diamond drill holes on the Hoover claim block. All 3 holes were drilled in the vicinity of minfile occurrence #106E 002.

#### 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. 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 overlie Early Proterozoic argillite of the Quartet Group. Heterolithic, hematitic Wernecke Breccia bodies intrude the argillite and are variably mineralized with magnetite, pyrite, chalcopyrite and brannerite.

#### 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, Sept/94. Assessment Report #093223 by M. Jones and K. Hofmann.

PAMICON DEVELOPMENTS LTD, Nov/95. Assessment Report #093435 by M.A. Stammers.

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 #093114 by M.A. Stammers.

WESTMIN RESOURCES LTD, Jan/94. Assessment Report #093173 by M.A. Stammers.

YUKON EXPLORATION & GEOLOGY 1995, p. 12, 16.

### Work History

Date	Work Type	Comment
12/31/1995	Drilling	Three holes, data and results confidential.
12/31/1994	Drilling	Five holes, 1,178 m. Drilling was carried out on Hoover claims # 1 and # 3. Results confidential.
12/31/1993	Geochemistry	Also collected lithogeochemical samples.
12/31/1993	Geology	
12/31/1993	Ground Geophysics	Also magnetic survey.
12/31/1992	Geology	

12/31/1992	Other	
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Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095646</a>	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
<a href="#">094956</a>	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		