Occurrence Details

Occurrence Number: 106C 096
Occurrence Name: Julie
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/16/2025 3:21:00 PM

General Information

Deposit Type(s): Iron Oxide Breccias & Veins (Wernecke Breccias)
Location(s): 64°53'48" N - -133°26'39" W
NTS Mapsheet(s): 106C14
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Thorkelson and Wallace (1995) reported this showing as Minfile Occurrence #106C 095.

Discovered during geological mapping program by Thorkelson and Wallace (1995). J. Hajek staked Bloom cl 1-38 (YB43576) to the north and west in Sep/94. The next year Hajek optioned the claims to West Lake Ltd which carried out a trenching and prospecting program later in the summer. Hajek staked the occurrence as BL cl 55-62 (YB65749) in Jul/96.

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.
The occurrence consists of quartz-dolomite-pyrite and chalcopyrite veins associated with nearby zones of Wernecke Breccia. Two zones of veining about 5 m wide within the Fairchild Lake Group occur near the base of the cirque headwall. Abundant vein float suggests that the veins may also crop out higher on the cirque walls. The two best assays from vein material were 1.8 % copper, 0.42 gm/t gold; and 0.02 % copper, 0.02 gm/t gold.

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.

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., 1998. Geological map of Dolores Creek map area, Wernecke Mountains, Yukon (106C/14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Geoscience Map 1998-11, scale 1:50 000.

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.

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

Work History

Date	Work Type	Comment
12/31/1995	Trenching	
12/31/1995	Other	
12/31/1994	Geology	Occurrence discovered during government mapping program.

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,	15	4367.20

			Scintillometer - Ground Geophysics, Prospecting - Other		
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
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 Werneckes 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		
091456	1983	Exploration, 1982, Gold, Silver and Uranium Deposits, Glacier Lake Region	Rock - Geochemistry, Silt - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Scintillometer - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Hand - Trenching		
019048	1968	Engineering Report, Year 1968 on the Mammoth Copper Property	Air Strip - Development, Surface, Winter Road - Development, Surface, Silt - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching		