



Occurrence Details

Occurrence Number: 106D 095

Occurrence Name: Wallace

Occurrence Type: Hard-rock

Status: Showing

Date printed: 12/16/2025 3:19:27 PM

General Information

Secondary Commodities: antimony, copper

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 64°49'59" N - -134°8'8" W

NTS Mapsheet(s): 106D16

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Discovered by Thorkelson and Wallace during government mapping program in 1992. The occurrence has never been staked.

Capsule Geology

The occurrence is located at the eastern headwaters of an unnamed creek which flows southwest into the Bear River approximately 7.5 km northeast of the Bear River airstrip. L.H. Green of the Geological Survey of Canada mapped the area at 1:250 000 scale in 1961 as part of a helicopter-supported party known as "Operation Ogilvie". D. Thorkelson (2000) a geologist with the Canada/Yukon Geoscience Office (now part of the Yukon Geological Survey), remapped topographic map sheet 106D/16 in the 1990's as part of a larger bulletin on the Wernecke Mountains. Gordey and Makepeace of the Geological Survey of Canada, released an updated geological compilation of the Yukon in 2003. The occurrence consists of polymetallic veins crosscutting Lower Proterozoic Basal Gillespie Lake Group rocks. Enrichments of copper (5.1%), antimony (2 500 ppm) and bismuth (700 ppm) were reported for one sample (Thorkelson and Wallace, 1994b, pg. 89). The veins at this occurrence may extend discontinuously toward the Reid occurrence (Minfile Occurrence #106D 096) which hosts north trending veins of similar metallic signature, 6 km to the north.

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).

GREEN, L.H. 1972. Geology of Nash Creek, Larsen Creek and Dawson Map-Areas, Yukon Territory. Geological Survey of Canada, Memoir 364, p. 139.

THORKELSON, D.J. AND WALLACE, C.A., 1993a. Development of Wernecke Breccia in Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 77-87.

THORKELSON, D.J. AND WALLACE, C.A., 1993b. Geological map of Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In Yukon: Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1:50 000 scale. - Out of Print.

THORKELSON, D.J. AND WALLACE, C.A., 1994a Geological map of Fairchild Lake map area, (106C/13), Wernecke Mountains, Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1994-6(G). - Out of Print.

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., 1998. Geological Map of Slat Creek map area, Wernecke Mountains, Yukon (106D/16). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Geoscience Map 1998-9, 1:50,000 scale.

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.

Work History

Date	Work Type	Comment
12/31/1992	Geology	Carried out by Thorkelson and Wallace as part of government mapping program.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095646	2007	2007 Geological, Geochemical and Geophysical Report on the Wernecke 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 -	28	6537.96

			Trenching, Hand - Trenching, Handblast - Trenching		
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		
090868	1980	Exploration Report-Year 1980 on the Bear River Properties	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Gamma-ray Spectrometry - Ground Geophysics, Prospecting - Other, Hand - Trenching, Handblast - Trenching		