



Occurrence Details

Occurrence Number: 106C 009
Occurrence Name: Dolores
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 1:18:54 PM

General Information

Secondary Commodities: antimony, cobalt, copper, gold, lead, nickel, silver, zinc
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°54'23" N - -133°31'45" W
NTS Mapsheet(s): 106C13
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as Mammoth cl (Y4683) in Apr/68 by Bonnet Plume River Mines Ltd, which bulldozer trenched later in the year. Restaked as Sun cl (Y69035) in Apr/73 by Cypress Resources Ltd, which carried out mapping and hand trenching later in 1973-74. D. Waugh tied on the Ore cl (Y88612) to the east in May/74 and this group was explored with mapping and soil sampling by Phelps Dodge later in the year.
Restaked as Barb cl 1-6 (YA43413) in Nov/80 by Texaco Canada Resources Ltd, which added more claims in Oct/81 and performed mapping, geochem and geophysical surveys and hand trenching in 1982.
Restaked as Beta 1-6 cl (YB28503) in Jun/92 by D. Hajek. Hajek restaked the prospect as the Barb cl 1-18 (YB43385) in Sept/94 and Oct/94. In Feb/95 Hajek transferred the Barb claims to Westlake Ltd which carried out a trenching and prospecting program later in the summer. In Sep/96 J. Hajek staked BL cl 49-54 (YB65743) northeast of the Barb claims.

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. Chalcopyrite and siderite occur in fine fractures cutting a calc-silicate alteration zone in a fault-bounded block of Fairchild Lake Group limy argillite within an area of approximately 1.6 km². An 18 m chip sample from a bulldozer trench in the centre of the mineralized area assayed 0.15% Cu and 3.4 g/t Ag. A weathered quartz-carbonate-sulphide vein cutting Gillespie Lake Group dolostone on the east edge of the mineralized area produced assays up to 340.5 g/t Au, 69 g/t Ag, 5.9% Cu, 21.2% Pb and 5.5% Zn. This vein trends northwest, is about one metre wide and is traceable for several metres along strike. Mineralization includes tetrahedrite, stibnite, galena, sphalerite and arsenopyrite. A few mafic dykes of the Early Proterozoic Bonnet Plume Intrusions are present. About one km to the northeast near the summit of the northwest-trending ridge, cobaltite and chalcopyrite occur in narrow discontinuous veins cutting limy argillite peripheral to a Wernecke breccia body. A chip sample across 36 cm assayed 0.43% Cu, 3.85% Co and 0.14% Ni. Laznicka described three additional occurrences (25 to 27) in this area that consist of chalcopyrite in the matrix of the breccia, or in veinlets cutting nearby altered Quartet Group argillite.

References

BONNET PLUME RIVER MINES LTD, Sep/68. Prospectus Report by A.R. Archer, included as appendix in #019048.
BONNET PLUME RIVER MINES LTD, Aug/68. Assessment Report by F.M. Smith, included as appendix in #019048.
BONNET PLUME RIVER MINES LTD, Aug/68. Assessment Report *#019048 by C.D.N. Taylor.
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).
LAZNICKA, P., 1977, Geology and mineralization in the Dolores Creek area, Bonnet Plume Range, Yukon. Geological Survey of Canada, Paper 77-1A, p. 435.
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.
TWENTY-SEVEN CAPITAL CORP., News Release, 27 Oct/05.
WEST LAKE LTD, Mar/96. Assessment Report #093510 by J.H. Hajek.
YUKON EXPLORATION AND GEOLOGY 1981, p. 185-186.
ZELON ENTERPRISES LTD, Dec/81. Assessment Report *#090895 by J.H. Hajek.

Work History

Date	Work Type	Comment

12/31/1995	Other	
12/31/1995	Trenching	
12/31/1982	Geochemistry	Also soil (talus fines) sampling.
12/31/1982	Geology	
12/31/1982	Ground Geophysics	Also VLF survey.
12/31/1982	Trenching	
12/31/1974	Geology	
12/31/1974	Trenching	
12/31/1973	Geology	
12/31/1973	Trenching	
12/31/1973	Other	
12/31/1968	Geochemistry	
12/31/1968	Trenching	

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 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
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		