



Occurrence Details

Occurrence Number: 106C 118
Occurrence Name: Lakes
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 10:44:09 AM

General Information

Secondary Commodities: lead, silver, zinc
Aliases: Val
Deposit Type(s): Manto Polymetallic Ag-Pb-Zn, Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°16'37.77" N - -133°42'2.74" W
NTS Mapsheet(s): 106C05
Location Comments: Location based on sample #G285939 (AR 095720)
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The claim block covering the occurrence was staked (Val cl 1-318, YA30884 in July and Aug 1978 by Prism Joint Venture (Asamera Oil Corporation, Chieftain Development Company Ltd, Prism Resources Ltd, Siebens Oil and Gas Ltd and E & B Exploration Ltd)). In 1978, diamond drilling (one hole), hand trenching, chip sampling, grab sampling and soil sampling were completed. In 1979, International Prism carried out diamond drilling (2 holes). In 1979, Dome Petroleum Ltd replaced Siebens in the joint venture, and staked Val cl 319-376 (YA40125). Dome dropped its interest and E & B's was transferred to Imperial Metals Ltd in 1983. In 1985, Prism changed its name to International Prism Exploration Ltd. A regional airborne geophysical survey was conducted over the claim block in 2001 (no report available). Manson Creek Resources optioned the Val claims in 1998. Archer Cathro Resources Ltd. re-staked the area as the Rusty series claims (e.g., Rusty 242, YD33482) in 2010, covering the occurrence.

Capsule Geology

The occurrence is located at the southern edge of the Mackenzie Platform, a predominantly shallow water carbonate and clastic sequence that formed on the western margin of the North American craton during Lower Proterozoic through Paleozoic times. The regional geology consists of Upper Proterozoic Rapitan(?) Group mudstones overlain by Upper Proterozoic Profeit Formation dolostones and Upper Proterozoic Nadaleen Formation silty limestone. Over these units are minor clastic and carbonate rocks of the Neoproterozoic to Lower Cambrian Hyland Group. Lower Paleozoic platform carbonates unconformably overlie these units.

The Lake Zone showings are hosted in shale, possibly correlatable with the Neoproterozoic Hay Creek Group . Outcrop is sparse but mineralized breccia and quartz veins have been found. In 2010, several grab samples were taken. G235939 is a sample of rusty quartz with abundant chalcopyrite and galena. It assayed 397 g/t Ag, 24.49% Pb, 0.59% Zn and 10.05% Cu (AR 095720).

Work History

Date	Work Type	Comment
12/13/2010	Geochemistry	Grab and float samples.
12/13/2001	Airborne Geophysics	also mag, regional survey
12/13/1978	Geochemistry	channel sample & grabs
12/13/1978	Geology	recon mapping
12/13/1978	Geochemistry	
12/13/1978	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095720	2010	Assessment Report Describing Geological Mapping, Prospecting and Geochemical Sampling at the Rusty Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093968	1999	Geochemical, Geological and Geophysical Assessment, Report for the Val,Vera,Rusty,KLA,Nad and Craig Claims	Orthophoto - Airphotography, Silt - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Research/Summarize - Pre-existing Data		
092725	1988	A Preliminary Diamond Drilling and Trenching Report on the Val-Vera Quartz Claims	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other, Backhoe - Trenching	12	1479.20
062208	1985	Summary Report on the Val-Vera Property	Research/Summarize - Pre-existing Data		
062185	1983	Summary Report on the Val-Vera Property	Research/Summarize - Pre-existing Data		
			Diamond - Drilling, Soil - Geochemistry, Detailed Bedrock Mapping -		

090615	1979	Assessment Report Geochemistry and Drilling Val 1 - 318 Claims	Diamond - Drilling, Soil - Geochemistry, Detailed Geologic Mapping - Geology, Backhoe - Trenching	39	3158
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