Occurrence Details

Occurrence Number: 106C 114
Occurrence Name: Gunsight
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 6:51:39 AM

General Information

Secondary Commodities: lead, silver, zinc
Aliases: Vera
Deposit Type(s): Manto Polymetallic Ag-Pb-Zn, Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)
Location(s): 64°19'4.49" N - -133°44'55.51" W
NTS Mapsheet(s): 106C05
Location Comments: Location based on drillhole 5 (AR 090583)
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Vera cl 1-164 (YA37382) in July, 1978 by Prism Joint Venture (Asamera Oil Corporation, Chieftain Development Company Ltd., Prism Resources Ltd., Siebens Oil & Gas Ltd. and E & B Exploration Ltd.). In 1979, Dome Petroleum Ltd. replaced Siebens in the joint venture and drilled 27 diamond drill holes (1682 m) along the bulldozed Gunsight and Scarp (MINFILE 106C 139) occurrences. Dome dropped its interest and E & B Exploration's interest was transferred to Imperial Metals Ltd. in 1983 and acquired in 1984 by Prism, at which time Prism became project operator. In 1985, Prism changed its name to International Prism Exploration Ltd. In October 1997, 15966 Yukon Inc., a wholly owned subsidiary of Manson Creek Resources Ltd., staked Rusty cl 1-131 (YB99989) surrounding the occurrence. Manson Creek performed a ground IP survey over the claims in 1998.

A regional airborne geophysical survey was conducted over the claim block in 2001 (no report available). In 2009, Shawn Ryan re-staked the area covering the occurrence and surrounding showings as Vera 1-12 (YC70677-YC70688) and performed a soil survey.

Regional & Property 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. An arcuate east-west trending, south-dipping normal fault lies north of the occurrence, separating it from Paleoproterozoic Wernecke Supergroup clastic rocks and Upper Proterozoic Pinguicula Formation clastics and carbonates to the north.

The Gunsight occurrence is hosted in orange-weathering grey argillaceous dolomite of the Profeit Formation (Hay Creek Group).

Mineralization & Results

Galena, sphalerite and tetrahedrite mineralization at Gunsight occurs as infill and replacement within faulted dolomitic wallrock. Mineralization is present dominantly as: 1) disseminated blebs to massive bands of sphalerite (and minor galena); 2) massive coarse-grained galena with minor tetrahedrite in large pods and as matrix in dolomite breccia zones; 3) galena-filled fracture veinlets; and 4) small high-grade veins of galena/tetrahedrite.

The main gangue minerals are dolomite, calcite, quartz, pyrite and siderite. The dolomite occurs mainly as fragments making up the breccia framework. Quartz and calcite occur in small fracture veinlets. Siderite occurs with the mineralization in large amounts, as well as in fracture veinlets in the wallrock. Large vugs with coarse crystalline siderite are also common.

The major portion of the mineralized zones have been extensively weathered giving it a rusty broken-up oxidized appearance. The main oxides are limonite and minor pyrolusite. Sphalerite has been leached away, but galena has not been dissolved to any important extent. The behavior of silver is not known. Mineralization occurs in a 500 m long fault. The attitude of the deposit is ~080/080.

The best mineralization occurs in two shoots: East (Gunsight) and West (Vera Main – MINFILE 106C 083) occurrences, which are separated by 90 m of lower grade material. The west (Vera Main) shoot consists of coarse siderite and dolomite with massive pods of fine-grained galena that are several centimetres to a metre thick along the hanging wall contact, with minor disseminated sphalerite throughout. The east shoot (Vera Gunsight) is more brecciated and fractured. The sulfides occur as massive blebs, fine disseminations and tiny veinlets in fractures. Massive and disseminated pyrite occurs and sphalerite is more abundant.

Drill results in 1979 included 22.2 m (10.2 m true width) of 429 g/t Ag, 0.8% Pb and 2.1% Zn in hole 5. A short intercept in hole 6 returned 1056 g/t Ag, 11.1% Pb and 3.2% Zn over 3.4 m (0.9 m true width). Underground sampling of the adit gave average grades of 960 g/t Ag, 7.3% Pb and 2.9% Zn over a 1.8 m width and 148 m length at the Gunsight occurrence.

Work History

Date	Work Type	Comment
12/13/2009	Geochemistry	
12/13/2001	Airborne Geophysics	Also magnetics in a regional survey.
12/13/1998	Ground Geophysics	

12/13/1979	Drilling	22 diamond drill holes.
12/13/1979	Ground Geophysics	
12/13/1979	Trenching	
12/13/1979	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096253	2011	Assessment Report Describing 2011 Drilling and Geochemical Sampling at the Rusty Property	Diamond - Drilling, Soil - Geochemistry	9	1340
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		
094073	1999	Geophysical, Geochemical and Diamond Drilling Assessment Report for the Val, Vera and Rusty Claims	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Line Cutting - Other	7	986.80
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		
062146	1982	Report on the Vera, South Rusty Mountain and Siltstone Mineral Occurrences	Research/Summarize - Pre-existing Data		
090914	1981	[Underground Exploration on the Vera Claims]	Shaft Development - Development, Underground, Rock - Geochemistry, Detailed Bedrock Mapping - Geology		
090722	1980	[Diamond Drilling on the Vera Claim Group]	Diamond - Drilling, Drill Core - Geochemistry	42	4041
090583	1978	Assessment Report for the Vera 1 - 164 Mineral Claims	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Regional Bedrock Mapping - Geology, Property Evaluation - Other, Prospecting - Other, Backhoe - Trenching	127	1682

Related References

Number	Title	Page(s)	Reference Type	Document Type
09-148	Geochemical Report on Lead Regional Areas - PBR and Vera		Yukon Government: Energy, Mines and Resources	YMEP Report