



## Occurrence Details

**Occurrence Number:** 106D 040  
**Occurrence Name:** Carpenter  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 8/5/2025 10:07:31 AM

## General Information

**Secondary Commodities:** gold, lead, silver, zinc  
**Deposit Type(s):** Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)  
**Location(s):** 64°28'1" N - 135°19'4.13" W  
**NTS Mapsheet(s):** 106D06  
**Location Comments:** Coordinates supplied by ATAC 2019  
**Hand Samples Available:** No  
**Last Reviewed:**

**Capsule**

**Work History**

First staked in July, 1922 as a group of 5 claims including Grace May cl (14668) by D. McKinnon and Panorama cl (14665) by D. Tolmie. R. Booth staked the Banshee cl (16321) a mile to the southeast in April, 1927 and added the Beaver (15244) and Monte Carlo cl (15262) in July, 1928 to the original group of 5 claims, which were explored by hand pitting.

In July, 2002 Rimfire Minerals Corporation conducted a cursory examination of this occurrence and the neighboring Silver Hill occurrence (MINFILE occurrence 106D 042) located 3.5 km to the north. The occurrence was unstaked at the time of the visit.

Re-staked in 2010 by ATAC Resources Ltd.

**Regional & Property Geology**

The occurrence area is located at the southern end of Carpenter Ridge, between Carpenter and Castle Creeks, approximately 35 km due north of McQuesten Lake. The area was regionally mapped by L. Green (1972) of the Geological Survey of Canada in 1961 as part of a helicopter-supported party known as Operation Ogilvie. C. Roots of the Geological Survey of Canada under contract with the Exploration and Geological Services Division (now part of the Yukon Geological Survey) remapped adjoining topographic map sheets 106D/8 and 106D/7 (East half) in 1990 and topographic map sheet 105M (1997) in the mid-1990's. D. Thorkelson (2000), also under contract with Exploration and Geological Services Division, remapped topographic map sheet 106D/16 to the north as part of a larger bulletin. The work of these geologists was incorporated into a geological compilation of the Yukon released by Gordey and Makepeace of the Geological Survey of Canada in 2003.

Based on the work of these geologists it is believed that the occurrence area is underlain by Lower Proterozoic Gillespie Lake Group dolomite which has been intruded by Middle Proterozoic resistant dark weathering diorite and gabbro sills and dykes assigned to the Hart River Sills. The occurrence consists of galena and sphalerite mineralization occurring in massive sulphide veins, stockworks and breccia zones, cutting Gillespie Lake Group dolomite. The veins dip moderately and are interpreted by Abbott (1991) as Mississippi Valley-type replacement deposits of Proterozoic age, similar to the Blende deposit (MINFILE occurrence 106D 064) which lies 32 km to the east.

**Mineralization & Results**

A grab sample of mineralized float collected by Cockfield in 1924 assayed 300 g/t silver and 56% lead. Rimefire Resources (2003) reported finding 5 exposed hand trenches in an area of heavy talus of dolostone and diorite that did not obviously penetrate to solid bedrock. They described a mineralized zone hosted in dolostone within 10-15 m of the footwall contact of a diorite sill to the west. Replacement and breccia style galena (+/- sphalerite) mineralization occurs within strongly recrystallized sparry-granular dolostone (dolomite). Mineralization also contains ragged blebs of silica. Pisolites were noted in some of the adjacent dolomite float; a feature not seen elsewhere. Rock samples returned values up to 22.3% lead, 131.8 g/t silver, 1.5% zinc and 21 ppb gold. An isolated cobble of float similar in texture and found 700 m south of the pits returned 26.1% lead, 140.9 g/t silver, 0.7% zinc and 7 ppb gold.

Work History		
Date	Work Type	Comment
4/1/2019	Geochemistry	
4/1/2019	Other	
4/1/2002	Geochemistry	
4/1/2002	Geochemistry	
4/1/2002	Geochemistry	
4/1/2002	Geology	
4/1/2002	Other	
12/31/2002	Other	Carried out cursary examination of occurrence.
12/31/1928	Trenching	On Beaver and Monte Carlo claims.

Assessment Reports that overlap occurrence				
Report			Initial	Mature

Report Number	Year	Title	Worktypes	Meters Drilled	Feet Drilled
<a href="#">096939</a>	2015	Technical Report and Preliminary Economic Assessment for the Tiger Deposit, Rackla Gold Project	VTEM - Airborne Geophysics, ZTEM - Airborne Geophysics, Mill/Concentrator Construction - Development, Surface, Tailings Pond - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Gravity Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Data Compilation - Pre-existing Data, Data Compilation - Pre-existing Data, Environmental Assessment/Impact - Studies, Preliminary Economic Assessment - Studies, Resource Estimate - Studies	150	26846.60
<a href="#">096607</a>	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
<a href="#">096597</a>	2012	Assessment Report Describing Geochemical Sampling, Auger Sampling, Geological Mapping, Diamond Drilling, and Geophysical Surveys	Air Strip - Development, Surface, Auger - Drilling, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other, Hand - Trenching	172	37340.37
<a href="#">095938</a>	2011	Assessment Report Describing Geochemical Sampling, Geological Mapping and Remote Sensing Surveys at the Rackla Gold Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing, Heritage/Archeological - Studies		
<a href="#">095721</a>	2010	Assessment Report Describing Geophysics, Soil Geochemistry and Diamond Drilling at the Rau Property	Electromagnetic - Airborne Geophysics, Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Downhole Survey - Ground Geophysics, Gravity Survey - Ground Geophysics, IP - Ground Geophysics	170	36900.84

## Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC008073</a>	Geochemical values map - Reef project - Castle Ridge detail area - Figure 9		Property File Collection	Geochemical Map
<a href="#">ARMC008074</a>	Castle Ridge geochem map - Reef project - Figure 21		Property File Collection	Geochemical Map
<a href="#">ARMC008088</a>	Castle Ridge detail area map - 1976		Property File Collection	Geoscience Map (General)
<a href="#">ARMC008089</a>	Castle Ridge detail area map - 1974		Property File Collection	Geoscience Map (General)
<a href="#">ARMC011912</a>	Geology compilation map - Castle Ridge detail area - Reef project - Figure 8		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">GM1997-1</a>	Bedrock geology of Mayo map area, central Yukon (NTS 105M)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Geoscience Map (Geological - Bedrock)
<a href="#">2003-9(D)</a>	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
<a href="#">02-042</a>	2002 Technical Report on the Carpenter Project		Yukon Government: Energy, Mines and Resources	YMEP Report
<a href="#">1990-3</a>	Geology of 106D/8 & 7 (East Half) Map Areas		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
<a href="#">10</a>	Geology and Mineral Occurrences of Slats Creek, Fairchild Lake and "Dolores Creek" Areas, Wernecke Mountains (106D/16, 106C/13, 106C/14), Yukon Territory		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Bulletin