



Occurrence Details

Occurrence Number: 106C 102
Occurrence Name: Zodiac
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 7:47:32 AM

General Information

Secondary Commodities: arsenic, gold, lead, mercury, silver, thallium, zinc

Aliases: Anubis Cluster

Deposit Type(s): Carbonate-Hosted Disseminated Au-Ag (Carlin-type), Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)

Location(s): 64°8'11.32" N - -132°37'17.34" W

NTS Mapsheet(s): 106C02

Location Comments: Coordinates supplied by ATAC 2019

Hand Samples Available: No

Last Reviewed: Mar 11, 2016

Capsule

Work History

Staked within a large block of "T" claims (various claim numbers, T cl 802 = YD22932) in Mar/2010 by ATAC Resources Ltd. The claims cover open ground that existed between the Dale claims to the north and Sten claims to the south staked in 2009.

In Jun/2010 the company flew an airborne ZTEM geophysical survey over eastern end of the larger Rau Gold Belt, which this occurrence lies within. In 2011 ATAC Resources carried out remote sensing studies over the entire Nadaleen trend. In 2012, silt and rock geochemistry was carried out over the occurrence area.

In 2013, the Zodiac occurrence was discovered through geochemical sampling and sampling was expanded in the area (prospecting, soil and silt). Excavator trenching and hand pitting was also completed on the occurrence in 2013.

A small prospecting program was completed in 2014 over the occurrence.

In 2017, one diamond drill hole was collared less than 200 m from the location of the occurrence.

Geology

The occurrence area is located in east-central Yukon within an area geologists have referred to as the Rackla belt. The Rackla belt straddles the northern edge of the Selwyn basin, where Neoproterozoic to Paleozoic rocks of the basin are juxtaposed against Paleozoic and older slope and basin rocks of the Ogilvie platform along the Dawson thrust zone. Selwyn basin rocks in the occurrence area are dominated by slope and facies carbonate, clastic rocks and siltstone with significant deep water black shale and chert, whereas the Ogilvie platform is dominated by shallow water platform carbonate.

Based on geological mapping by Colpron et al. and geologists employed by ATAC Resources the occurrence area is underlain by a sequence of off-shelf carbonate and shale rocks of Middle Devonian (Eifelian) to Upper Devonian – Lower Mississippian age that are cut by a series of regional faults. The Zodiac showing (occurrence location) is located proximal to a high angle fault which ATAC Resources named the Anubis fault. It separates Middle Devonian Limestone to the south from overlying Upper Devonian to Mississippian argillite to the north.

The Zodiac showing is located proximal to the Anubis fault within a strong mercury and thallium soil anomaly. Grab rock samples collected from outcrop and hand pits returned up to 1.03 g/t gold from gouge material overlying the fault. Additional samples collected from strongly silicified dolomitic limestone located within the corridor of the fault returned assays of up to 519 g/t silver (15.14 oz/ton) 11.75 % lead and 16.00 % zinc.

Work History

Date	Work Type	Comment
12/13/2017	Drilling	one hole (529.13 m)
12/13/2014	Geochemistry	
12/13/2013	Trenching	Also hand pitting.
12/13/2013	Geochemistry	Sampled areas discovered during prospecting.
12/13/2013	Geochemistry	Detailed grid based survey extending northwest of Anubis occurrence.
12/13/2013	Geochemistry	Detailed survey extending northwest of Anubis occurrence.
12/13/2013	Other	Prospected soil anomalies.
12/13/2012	Geochemistry	Regional survey of area extending northwest of Anubis occurrence.
12/13/2012	Geochemistry	Regional survey of area extending northwest of Anubis occurrence.
12/13/2011	Remote Sensing	Entire Nadaleen Trend examined.
12/13/2010	Airborne Geophysics	Flown over entire Nadaleen Trend.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096810	2014	Assessment Report Describing Geochemical Sampling, Excavator Trenching, Geological Mapping, Auger and Diamond Drilling Along the Nadaleen Trend of the Rackla Gold Property	Auger - Drilling, Diamond - Drilling, Rock - Geochemistry, Backhoe - Trenching	59	4733
096607	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		
096597	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
095938	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		
095902	2011	Assessment Report Describing Geological Mapping, Diamond Drilling and Geophysical Surveys at the Nadaleen Trend Project Rackla Gold Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Detailed Bedrock Mapping - Geology	89	26675.84
095712	2010	Assessment Report Describing Geochemical Sampling, Geological Mapping, Diamond Drilling and Geophysical Surveys at the Nadaleen Trend Property	ZTEM - Airborne Geophysics, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Prospecting - Other	9	1898.28

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2013_11	Bedrock Geology of NTS 106B/04, Eastern Rackla Belt	p. 147-167.	Yukon Geological Survey	Annual Report Paper
2013-13	Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1)		Yukon Geological Survey	Open File (Geological - Bedrock)
YEG2012_OV	Yukon Exploration and Geology Overview 2012	p. 33-34, 62, 65.	Yukon Geological Survey	Annual Report
2014-1	Geological map of NTS 106B/04, east-central Yukon		Yukon Geological Survey	Open File (Geological - Bedrock)
YEG2013_OV	Yukon Exploration and Geology Overview 2013	p. 26-27, 42, 47.	Yukon Geological Survey	Annual Report
YEG2014_OV	Yukon Exploration and Geology Overview 2014	p. 23-24, 40, 42.	Yukon Geological Survey	Annual Report
YEG2015_OV2	Yukon Hard Rock Mining, Development and Exploration Overview 2015	p. 28, 43, 46.	Yukon Geological Survey	Annual Report Paper