



Occurrence Details

Occurrence Number: 106C 128
Occurrence Name: Atum
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/5/2025 4:06:19 PM

General Information

Secondary Commodities: gold
Aliases: Isis
Deposit Type(s): Carbonate-Hosted Disseminated Au-Ag (Carlin-type)
Location(s): 64°6'47.68" N - -132°21'34.3" W
NTS Mapsheet(s): 106C01
Location Comments: Coordinates supplied by ATAC 2019
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

In Jul/2009 ATAC Resources Ltd staked Sten cl 1-20 (YC99501) and carried out a short prospecting, silt and soil sampling program on the claims. Based on initial results the company added Sten cl 21-38 (YC995232) in Sep/2009, and Sten cl 39-54 (YD08485), cl 55 -142 (YD10405) and Dale cl (1-12) YD0853) in Nov/2009. The Isis and Isis East zones are located within Sten cl 39-54. The Amon zone is located within Sten cl 1-20.

In Mar/2010 ATAC Resources staked a large block of T claims (various claim numbers, T cl 748 = YD22878) to cover the regional extent of the geological units hosting the newly discovered mineralization. During the 2010 exploration season the company carried out extensive contour, ridge and spur and detailed soil sampling programs, trenced and sampled numerous surface showings and collared 9 diamond drill holes (1 898.28 m) on various exploration targets. One hole OS-10-07 (260.60 m) targeted the Isis soil anomaly.

In 2011 ATAC Resources focused their exploration work on exploring the Nadaleen Trend portion of their Rackla Gold Belt. The company carried out remote sensing studies, extensive silt sampling, contour, ridge and spur and detailed soil sampling surveys and dug and sampled numerous trenches over previously detected geochemical anomalies. At the end of May, ATAC Resources commenced a large diamond drill hole program (89 holes, 26 675.84 m) and shortly thereafter carried out detailed geological mapping in the Osiris area of the property. One hole (346.97 m) tested the Isis zone.

During 2012 ATAC Resources focused on delineating the size and scope of the various mineralized zones identified in the 2011 exploration program. The company completed over 37 100 m of diamond drilling in 116 drill holes. Six holes (2 018.86 m) tested the Isis zone.

ATAC Resources 2013 exploration season focused on drilling high-grade at or near surface discoveries within the Nadaleen trend and continuing to advance regional exploration targets identified within the Nadaleen and Rau Trends. Three holes were collared on the Isis zone. Soil sampling and prospecting was also completed in the occurrence area.

The most recent work was rock geochemistry completed in 2014 near the occurrence area.

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 platformal carbonate. The occurrence area is bound structurally to the south by the Dawson thrust and to the north by the Kathleen Lake fault. The Dawson thrust is believed to be a reactivated Neoproterozoic normal fault that lies at the northernmost boundary of the Selwyn basin and is generally marked by an abrupt facies change to the Ogilvie platform.

Exploration carried out to date has defined 3 mineralized zones associated with this occurrence; Ibis/Isis East, Isis and Amon. The Isis zone is located approximately 500 m northwest of the Ibis zone. Detailed soil sampling conducted in 2010 outlined a 150 m by 900 m strongly anomalous gold in soil response on a steep north facing slope. Prospecting within the anomaly returned rock grab samples that returned assays ranging from 1.48 to 23.9 g/t gold. The samples were collected within a decalcified limestone containing weak to intense limonite alteration and realgar mineralization associated with calcite in small vugs and fractures. Intensely altered samples consisting of boxwork limonite graded up to 2.5 g/t gold, while less altered samples of decalcified limestone graded up to 23.9 g/t gold. ATAC Resources tested the zone with a single drill hole (OS-10-07 that intercepted a 230 m zone of decalcified limestone, with concentrations of orpiment, realgar and fine grained pyrite. The intercept was geochemically anomalous with weak gold grades throughout.

The single diamond drill hole (OS-11-72) collared on the Isis zone in 2011 did not intersect any significant mineralization. The six diamond drill holes collared in 2012 tested portions of the soil anomaly. The source of the anomaly appears to be an extension of the Ibis carbonate host unit, which is cut by a south-dipping fault that separates the Osiris and Ibis zones and appears to control mineralization at the neighboring Sunrise zone (associated with Osiris zone). The six drill holes intersected anomalous gold mineralization but not significant enough to explain the strength and size of the soil anomaly. The specific source of the anomaly remains unexplained. The best result was obtained in drill hole OS-12-167 which intersected 6.1 m grading 4.54 g/t gold.

Work History

Date	Work Type	Comment
12/13/2014	Geochemistry	
12/13/2013	Geochemistry	

12/13/2013	Drilling	3 holes
12/13/2013	Geochemistry	
12/13/2012	Drilling	Six holes (2 018.86 m)
12/13/2011	Drilling	One hole (346.97 m)
12/13/2010	Drilling	One hole targeting the soil anomaly.
12/13/2010	Geochemistry	

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
095680	2009	Assessment Report Describing Geochemical Sampling	Soil - Geochemistry, Prospecting - Other		