Occurrence Details

Occurrence Number: 106D 122
Occurrence Name: Hogs Back
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 3:28:00 AM

General Information

Secondary Commodities: gold, tungsten
Aliases: Rau, Rackla
Deposit Type(s): Skarn Au
Location(s): 64°11'13.66" N - -134°22'36.3" W
NTS Mapsheet(s): 106D01
Location Comments: Coordinates supplied by ATAC 2019
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as part of the Rau cl 1-64 (YC50268) in July, 2006 by ATAC Resources Ltd who carried out prospecting near the occurrence. Follow-up prospecting and soil sampling was performed in 2007 along with a variable-time domain electromagnetic survey over the entire claim block.

In 2008, ATAC Resources staked the R cl 1-1337 adjacent to the Rau claims as part of the larger Rackla Gold Project and company a helicopter-borne magnetic and variable-time domain electromagnetic survey, soil sampling and prospecting over the newly staked area, including the Hogs Back occurrence.

In April 2008, ATAC Resources optioned Rau cl 1-32 (YC50268) and cl 87-94 (YC57551) (referred to as the Wau option) to Yankee Hat Minerals Ltd. in return for shares in Yankee Hat and certain work commitments. The option agreement allowed Yankee Hat to explore the area for tungsten mineralization in the vicinity of the occurrence. Yankee Hat drilled one diamond hole to test this showing in 2008. In February 2009, the company dropped its option without any interests being earned

ATAC Resources carried out follow-up prospecting over the Hogs Back occurrence area in 2009.

Regional & Property Geology

The occurrence lies with the Rau Trend between the Dawson and Kathleen Lakes thrusts, which form part of a band of regional-scale thrust faults that imbricate rocks of Mackenzie Platform and Selwyn Basin. The occurrence area lies on the western margin of ancestral North America and is underlain primarily by shallow water carbonate and clastic sediment rocks of the Mid-Proterozoic to Paleozoic Mackenzie Platform and the Neo-Proterozoic to Paleozoic, regionally metamorphosed Selwyn Basin clastic rocks. These rocks formed a fault-bounded sediment package which was thrust northeasterly during Jurassic to Cretaceous times by the Dawson and Kathleen Lakes thrust faults onto predominantly Proterozoic rocks. Following thrust faulting, Late Cretaceous (94-90 million years) intermediate to felsic plutons of the Tombstone Suite were emplaced (Mortensen et al., 2000). A second compressional orogenic event around 65 million years saw the emplacement of felsic intrusives assigned to the McQuesten Suite.

Other than the immediate area surrounding the Tiger deposit (MINFILE occurrence 106D 098), the occurrence area has not been geologically mapped in detail. ATAC Resources (AR 096936) has mapped 3 main units in the area comprising the Rau Trend:
1. Cambrian to Ordovician massive, grey dolostone,
2. Ordovician and/or Silurian bedded, grey and buff silty limestone and massive white limestone, and
3. Silurian to Devonian thick, bedded dolostone and limestone.

The company has assigned all three units to the Cambrian to Devonian Bouvette Formation. Colpron's 2013 geological map generally supports this interpretation; however it uses slightly different age dates and doesn't include the oldest rocks (Cambrian to Ordovician dolostones) within the Bouvette formation.

Thin volcaniclastic horizons assigned to the Ordovician Marmot Formation are interbedded with the Ordovician and/or Silurian limestones and a narrow sliver of Mid-Proterozoic Fifteen Mile Group dolostone underlies the Bouvette Formation rocks to the southwest. Devonian and Mississippian Earn Group comprised of black shale and chert bounds the Bouvette Formation to the south east and north in the southern half of the Rau Trend property.

Mineralization at the Rau Trend varies and consists mainly of: sediment-hosted replacement-style Au; structurally hosted Ag-Pb-Zn; skarns; Au-bearing quartz veins; and transported gossans/unknown deposit style (AR 096936).

Mineralization & Results

The Hogs Back prospect was first identified in 2006 by ATAC Resources and consists of three actinolite skarn layers that are conformable within a section of the Bouvette limestone that has been altered to limestone for up to 5 m locally. The skarn layers have been traced to the northwest over 750 m and vary in thickness up to 6 m (average 0.8 m) which appears to thin to the northwest. Mineralization consists of finely disseminated to patchy pyrrhotite, pyrite, and minor chalcopyrite (AR 096936).

The thickest mineralization packages at the Hogs Back prospect appear to be proximal to two southwest striking, quartz-muscovite pegmatite dykes up to 3 m wide and 10 m long. No direct contact was noted between the mineralization and the dykes (AR 096936).

Prospecting and soil sampling was carried out at the occurrence between 2006 and 2009. Rock and chip samples collected during this time returned anomalous gold and tungsten values with peak values of 4010 ppm W and 1.24 g/t Au (AR 096936).

A single diamond drill hole was drilled in 2008 to test the Hogs Back occurrence, but was collared too far forward and did not hit mineralization (AR 096936).

Work History

Date	Work Type	Comment

12/13/2009	Other	
12/13/2008	Airborne Geophysics	
12/13/2008	Drilling	One diamond drill hole (Wau-08-003) totaling 156.97 m.
12/13/2008	Geochemistry	
12/13/2008	Airborne Geophysics	
12/13/2008	Other	
12/13/2007	Airborne Geophysics	
12/13/2007	Geochemistry	
12/13/2007	Other	
12/13/2006	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096939	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
096732	2014	Assessment Report Describing Metallurgical Test Pits, Metallurgical Auger Drilling, Geotechnical Auger Drilling, Geotechnical Study, Environmental Baseline Studies, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Auger - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	9	96.77
096728	2013	Assessment Report Describing Geochemical Sampling, Hand Trenching, Prospecting and Geological Mapping at the Rau Trend	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
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		
095721	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
095684	2009	Geological Mapping, Prospecting, Soil Geochemistry and Diamond Drilling at the Rau Property	Interpretation - Airphotography, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Water - Geochemistry, Regional Surficial Mapping - Geology, IP - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Data Compilation - Pre-existing Data, Process/Interpret - Pre-existing Data, Biophysical Mapping - Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	58	9578.30
095622	2008	Prospecting and Diamond Drilling at the Wau Property	Diamond - Drilling, Drill Core - Geochemistry	3	437.38
095131	2008	Geological Mapping, Prospecting, Soil Geochemistry, Diamond Drilling, and Geophysical Surveys at the Rau Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics, Diamond - Drilling, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	18	3423.21
095130	2007	Geological Mapping, Prospecting, Soil Geochemistry, and Geophysical Surveys at the Rau Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		

Related References

Number	Title	Page(s)	Reference Type	Document Type
2013-13	Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1)		Yukon Geological Survey	Open File (Geological - Bedrock)

YEG2013_OV	Yukon Exploration and Geology Overview 2013		Yukon Geological Survey	Annual Report