Occurrence Details

Occurrence Number: 115I 189
Occurrence Name: Whirlwind
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/5/2025 8:27:20 AM

General Information

Secondary Commodities: gold
Deposit Type(s): Epithermal Au-Ag: Low Sulphidation
Location(s): N - W
NTS Mapsheet(s): 115I06
Location Comments: Coordinates provided by Triumph Gold in 2020.
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

In 1999, ATAC Resources Ltd optioned the Revenue claims from YKR International Resources (formerly Yukon Revenue), which included the Au claims that host the Whirlwind occurrence. At the same time, ATAC purchased the adjoining Nucleus claims (MINFILE occurrence 115I 107) from the W4 Joint Venture, consolidating 151 claims in the area to form a single contiguous claim group, which they named the Golden Revenue property. ATAC carried out geological mapping, prospecting, and rock and soil geochemistry over the Whirlwind occurrence during 1999.

In December 2001, ATAC reached an agreement with Gtech International Resources Ltd. (formerly YKR International Resources Ltd.) to acquire a 100% interest in the Revenue claims subject to a 2 % NSR.

The Golden Revenue property, including the Whirlwind occurrence, was further consolidated in 2006 by Northern Freegold Resources. Northern Freegold Resources performed a property wide VTEM and magnetic airborne survey in 2006.

Triumph Gold acquired Northern Freegold Resources in 2015 and the property is now termed the Freegold Mountain Project. In 2018, Triumph Gold carried out soil geochemistry over the Whirlwind occurrence.

Regional & Property Geology

The occurrence partly underlain by Yukon-Tanana Terrane (YTT). The rocks of the YTT in this region consist of Early Mississippian metamorphic rocks separated into meta-sedimentary and meta-igneous suites. The meta-sedimentary suite consists of micaceous quartz-feldspar gneiss, schist and quartzite. The meta-igneous package is comprised of biotite-hornblende feldspar gneiss and coarse-grained granodiorite orthogneiss with lesser amphibolite.

The YTT basement rocks are cut by numerous plutonic and volcanic events from the Mesozoic (Friend et al., 2018), including:
1. Early Jurassic monzonite to syenite plutonic suites;
2. Mid-Cretaceous Mount Nansen Suite andesite and rhyolite tuff-breccia;
3. Mid-Cretaceous Whitehorse granodiorite;
4. Late Cretaceous Prospector Mountain syenite; and,
5. Quartz feldspar and feldspar hornblende porphyry dykes and plugs.

Mineralization & Results

The Whirlwind occurrence consists of quartz veins with arsenopyrite and scorodite mineralization that are exposed in old bulldozer pits alongside the head of Whirlwind Pup. The veins cut metamorphic YTT and intrusive rocks (AR 094102).

Seven samples of quartz vein material were collected by ATAC in 1999 that were anomalous in arsenic. Two samples returned elevated gold with up to 2.52 g/t Au and 2840 ppm Bi. No corresponding soil anomaly was noted (AR 094102).

Work History

Date	Work Type	Comment
12/13/2018	Geochemistry	
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/1999	Geochemistry	Prospecting grab samples.
12/13/1999	Geology	
12/13/1999	Geochemistry	

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2017_4	New contributions to the bedrock geology of the Mount Freegold district, Dawson Range, Yukon (NTS 115I/2, 6 and 7)		Yukon Geological Survey	Annual Report Paper
2018-2	Bedrock geological map of the Mount Freegold district, Dawson Range		Yukon Geological Survey	Open File (Geological - Bedrock)