Occurrence Details

Occurrence Number: 115I 186
Occurrence Name: Amanda
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/5/2025 8:28:13 AM

General Information

Secondary Commodities: gold
Aliases: Freegold
Deposit Type(s): Epithermal Au-Ag: Low Sulphidation
Location(s): N - W
NTS Mapsheet(s): 115I06
Location Comments: Georeferenced from Figure 5 (p. 12) in AR 094528.
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as the Seymour cl 1-44 (YA60053) in May 1981 by Arctic Red Resources Ltd and in 1985 by Chevron Minerals Ltd.

In 1987, Chevron optioned its claims to Big Creek Joint Venture (Big Creek Resources Ltd. and Rexford Minerals Ltd.). Big Creek Resources Ltd. purchased the claims in the spring of 1990. Rinsey Mines Ltd. optioned Big Creek's claims in February 1991.

ATAC Resources re-staked the area in 1999 and conducted rock geochemistry and prospecting at the Amanda showing. ATAC carried out further soil and rock geochemistry in 2002.

Northern Freegold Resources consolidated the claims in 2006 as part of their Golden Revenue property and performed a property wide VTEM and magnetic airborne survey, including the Amanda occurrence. In 2013, Northern Freegold carried out mechanical trenching and rock geochemistry near the Amanda showing.

Triumph Gold acquired Northern Freegold Resources in 2015 and the property that includes the Amanda occurrence is now termed the Freegold Mountain Project.

Regional & Property Geology

The occurrence is 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 (Murray & Friend, 2018), including:
1. Early Jurassic Long Lake monzonite to syenite plutonic suites;
2. Mid-Cretaceous Mount Nansen Suite andesite to diorite;
3. Mid-Cretaceous Whitehorse granodiorite, quartz monzonite and granite;
4. Late Cretaceous Casino quartz monzonite;
5. Late Cretaceous Prospector Mountain syenite; and,
6. Quartz feldspar and feldspar hornblende porphyry dykes and plugs.

The major structural feature in the area is the Big Creek Fault with steeply-dipping, northwest-trending dextral faults parallel to the more regional Tintina and Denali faults (AR 097175).

Mineralization & Results

The Amanda showing was discovered approximately 300 m southeast of the Lucinda showing (MINFILE occurrence 115I 185) and covers vein and skarn mineralization exposed in metasedimentary rocks and quartz-feldspar porphyry dykes. The showing returned anomalous values for the same suite of elements, although peak values were somewhat lower (Paulter, 2006; AR 094040).

Trenching in 2013 near the Amanda showing noted fine-grained arsenopyrite and pyrite mineralization in metasedimentary rocks and as breccia infill at the contacts of quartz-feldspar porphyry dykes. A peak value of 237 ppb Au was returned in a trench grab sample (AR 096643).

Work History

Date	Work Type	Comment
12/13/2013	Geochemistry	Grab and chip sampling of trench.
12/13/2013	Trenching	
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2002	Geochemistry	Prospecting grab samples.
12/13/2002	Geochemistry	
12/13/1999	Geochemistry	Prospecting grab samples.

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)