Occurrence Details

Occurrence Number: 115I 172
Occurrence Name: Cabin
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/5/2025 8:27:03 AM

General Information

Secondary Commodities: copper, gold
Aliases: Freegold
Deposit Type(s): Porphyry Cu-Mo-Au
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

The original discovery in the Mt. Freegold area was made by P.F. Guder in 1930 on the Augusta cl (15494), followed by discoveries on the adjoining Peerless, Gold Star and Margarete claims. Guder explored by hand pits and shallow shafts until 1959. Guder's claims (Gold Star group) were optioned in 1969 to Yukon Revenue Mines Ltd. and explored with bulldozer trenching and geological mapping. In 1973, Prism Resources Ltd. optioned the claims.

Prism transferred the option early in 1974 to Dynasty Exploration Ltd who carried out soil sampling. Guder's claims were optioned by Arctic Red Resources Corporation from 1980 to 1982, then transferred to Guder Mining Exploration Ltd. The Guder and Harris claims were optioned in 1986 by Chevron Minerals Ltd., which conducted a grid geochemical survey and bedrock mapping. The claims were optioned again in 1987 by Big Creek Joint Venture (Big Creek Resources Ltd and Rexford Minerals Ltd). The claims were transferred back to Harris in September 1989.

Gagan Gold Corporation optioned the property and explored with trenching and geochemistry in 1991. Harris performed hand pitting in 1993. Redell Mining Corporation optioned the Goldstar property from Harris and Associates in August 1994. In September 1995, Pauline cl (YB37987) and Goldstar cl 1-3 (YB37988) were transferred to B. Harris.

In 2004, Midnight Mines Ltd. carried out prospecting, rock geochemistry of grab samples and bedrock mapping at Cabin.

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 Cabin occurrence.

Triumph Gold acquired Northern Freegold Resources in 2015 and the property that includes the Cabin occurrence is now termed the Freegold Mountain Project. Triumph performed trenching (6 trenches, 579 m) and rock geochemistry at Cabin in 2018 and further trenching (6 trenches, 565 m) in 2019.

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).

The area underlying the Cabin occurrence is dominated by quartz-hypidiomorphic and locally K-feldspar megacrystic granite to syenogranite intruded by up to 5 m wide quartz-feldspar porphyry dikes. All units are cut by thick bodies of dark grey quartz monzonite (AR 097397).

Mineralization & Results

Mineralization at the Cabin zone is characterized by disseminated pyrite and veinlets of quartz and pyrite. The veinlets less commonly become >0.5 cm and can contain chalcopyrite (AR 097397). A weak to moderate phyllic (quartz-sericite-pyrite) alteration that transitions into a quartz-chlorite-clay alteration is present in the granite to syenogranite host rocks (AR 097397).

An intensely weathered and leached felsic porphyry breccia was mapped in 1981 at the Cabin zone, which may belong to the late Cretaceous Prospector Mountain suite and a pronounced magnetic low signature is interpreted to represent a zone of magnetite destruction associated with the Cabin porphyry hydrothermal system (Paulter, 2006).

Assays of 16.5 g/t Au and 346 g/t Ag are reported from the Cabin vein; however, a 1991 trenching program by Gagan Gold revealed only very weak gold and silver results (AR 093019).

Two samples taken in 2006 (samples 390217, -18) from the Cabin breccia body returned 45 ppb and 1.23 g/t Au from similar silicified breccia material indicating the presence of significant gold and the difficulty in predicting grade--the latter sample contained sericite and slightly more pyrite (Paulter, 2006).

Work History

Date	Work Type	Comment
12/13/2019	Geochemistry	Chip sampling of trenches.

12/13/2019	Trenching	Six trenches totaling 565 m.
12/13/2018	Geochemistry	Chip sampling of trenches.
12/13/2018	Trenching	Six trenches totaling 579 m.
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2004	Geochemistry	Grab samples during prospecting.
12/13/2004	Geology	
12/13/2004	Other	
12/13/1993	Trenching	Hand pitting.
12/13/1991	Geochemistry	Chip sampling of trenches.
12/13/1991	Trenching	
12/13/1986	Geology	
12/13/1986	Geochemistry	
12/13/1974	Geochemistry	
12/13/1969	Geology	
12/13/1969	Trenching	

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)