Occurrence Details

Occurrence Number: 115I 185
Occurrence Name: Lucinda
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/5/2025 9:03:23 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 Lucinda showing. ATAC carried out further soil and rock geochemistry in 2002 and 2004, as well as hand trenching in 2002 and mechanical trenching in 2004.

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 Lucinda occurrence.

Triumph Gold acquired Northern Freegold Resources in 2015 and the property that includes the Lucinda 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

Prospecting by ATAC in 1999 discovered the Lucinda showing. The showing is a 10 m diameter area of limonitic silicified metasedimentary rock with narrow, crosscutting quartz vein and conformable skarn mineralization (Paulter, 2006; AR 094528).

A sample from Lucinda in 1999 returned 5.2 g/t Au, 196 g/t Ag, 3.68% Pb, 2 650 ppm Zn, >1% As, 182 ppm Bi and 222 ppm Sb. More detailed sampling of this area ireturned 460 to 2 140 ppb Au, 1 033 to 7 580 ppm As, 78 to 348 ppm Sb, 88.2 to 700 g/t Ag and 0.73 to 8.17% Pb from four samples (AR 094477).

Hand pitting in the area of the Lucinda showing in 2002 exposed a quartz vein and also a 40 cm wide skarn band containing pods of limonite boxwork. Chip sampling of these areas returned values at the low end of the range of those reported previously (AR 094477).

Trenching in 2004 returned slightly elevated silver in chip sampling with 16.6 g/t Ag over 3 m in TRS04-10 (Paulter, 2006).

Work History

Date	Work Type	Comment
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2006	Airborne Geophysics	Property wide survey.
12/13/2004	Geochemistry	Chip and grab sampling.
12/13/2004	Geochemistry	
12/13/2004	Trenching	

12/13/2002	Geochemistry	Chip and grab samples.
12/13/2002	Geochemistry	
12/13/2002	Trenching	
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)