



Occurrence Details

Occurrence Number: 115J 100

Occurrence Name: Shadow

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 4/29/2025 2:22:17 AM

General Information

Secondary Commodities: gold

Deposit Type(s): Porphyry-related Au

Location(s): 62°19'55" N - -138°8'41" W

NTS Mapsheet(s): 115J08

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Shadow cl (YA92672) in Jul/85 by Kerr Addison, which conducted mapping and geochem surveys later in the year, added additional claims in Jul/86 and performed geological mapping and prospecting later that year and in 1988.

Since 1988, soil sampling has been completed over the Shadow occurrence in 2010 and 2016.

Capsule Geology

The occurrences lies within a large, northwest trending rhyolite dyke swarm intruding andesite and volcanics and a Mesozoic granodiorite body. The area around the occurrence to the south, southeast and west, is comprised of Cretaceous dacite volcanics. Further outside, a larger Jurassic age granodiorite body occurs to the west, southwest and south. Upper Cretaceous basalts overlie all units. Intensely silicified breccia and porphyry dykes occur along a major north-trending lineament.

The breccia varies from moderately to intensely silicified rhyolite porphyry fragments in a siliceous matrix. Some hematitic alteration was also noted. In more strongly silicified breccia, fragments are coated by cryptocrystalline, chaledonic and radiating, drusy quartz. Later stage quartz and chaledony veinlets cut the breccia. A clay-sericite Shadow Zone alteration zone with quartz stringers surrounds the Shadow Zone. West and north of Shadow, three other altered zones occur. Brecciation, quartz veining and/or silicification occur in areas up to 100m long and 15m wide. One zone is surrounded by a 130m wide area of moderate clay alteration, weak sericite and quartz stringers.

Gold results are weak however values of 303 ppm As, 13.1 ppm Sb and 370 ppb Hg were encountered.

Work History

| Date | Work Type | Comment |
|------------|-------------------|-------------------|
| 12/31/1988 | Geochemistry | |
| 12/31/1988 | Ground Geophysics | VLF-EM 16 survey. |
| 12/31/1986 | Geochemistry | |
| 12/31/1986 | Geology | 1:50 000 scale. |
| 12/31/1986 | Geochemistry | |
| 12/31/1986 | Geochemistry | |
| 12/31/1985 | Geochemistry | |
| 12/31/1985 | Geology | 1:50 000 scale. |
| 12/31/1985 | Geochemistry | |
| 12/31/1985 | Geochemistry | |
| 12/13/2016 | Geochemistry | |
| 12/13/2016 | Geochemistry | |
| 12/13/2010 | Geochemistry | |

Assessment Reports that overlap occurrence

| Report Number | Year | Title | Worktypes | Holes Drilled | Meters Drilled |
|------------------------|------|---|---------------------|---------------|----------------|
| 096947 | 2016 | Assessment Report Describing Geochemical Sampling | Soil - Geochemistry | | |
| 096122 | 2010 | Beringia Gold Corporation-Mineral Exploration Summary-Hay Project | Soil - Geochemistry | | |

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|------------------------|------|--|--|--|--|
| 092574 | 1988 | Assessment Report-Shadow Claims 1-24-1988 Soil and VLF Surveys | Soil - Geochemistry, EM - Ground Geophysics | | |
| 091865 | 1986 | Assessment and in House Report-Geological and Geochemical Report on the Shadow 1-24 Claims | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology | | |

Related References

| Number | Title | Page(s) | Reference Type | Document Type |
|----------------------------|--|---------|--------------------------|---------------------------------------|
| ARMC006908 | Geology map - Shadow M.C. | | Property File Collection | Geoscience Map (Geological - Bedrock) |
| ARMC004708 | Field notebook on Shadow claims VLF | | Property File Collection | Miscellaneous Company Documents |
| ARMC004709 | Field notebook on Shadow claims soil samples | | Property File Collection | Miscellaneous Company Documents |
| ARMC004710 | Sketch map on Shadow zone and Creek zone | | Property File Collection | Geoscience Map (General) |
| ARMC004711 | Field data on Shadow claims - Target 21 | | Property File Collection | Miscellaneous Company Documents |
| ARMC010038 | Shadow map - Contoured total field magnetics | | Property File Collection | Geophysical Map |
| ARMC016552 | Photo interpretation map - 115J/8 - Apex Mountain | | Property File Collection | Geoscience Map (General) |
| ARMC016551 | Geochemical map - 115J/8 - Apex Mountain | | Property File Collection | Geochemical Map |
| ARMC016550 | Geology map - 115J/8 - Apex Mountain | | Property File Collection | Geoscience Map (Geological - Bedrock) |
| ARMC016553 | Coloured geology map with notations - 115J/8 - Apex Mountain | | Property File Collection | Geoscience Map (Geological - Bedrock) |