

# Trailbreaker Resources Ltd. Further Delinates Drill Targets from Airborne Geophysics at Swan Zone, Atsutla Project

25.11.2024 | [The Newswire](#)

[Trailbreaker Resources Ltd.](#) (TBK.V) ("Trailbreaker" or "the Company") is pleased to announce the completion of a combined airborne magnetic and radiometric survey over the Swan target area within the Atsutla Gold Project, northwestern British Columbia (BC), Canada. The survey provides another layer of valuable geophysical data at the Swan gold (Au) - copper (Cu) - silver (Ag) porphyry target. Drill targeting is being conducted on the Swan target utilizing the geophysical data collected in 2024.

The primary drill targets at Swan are defined by a coincident donut-shaped chargeability high feature identified from geophysical and multi element rock and soil geochemical surveying. Rock grab samples assayed up to 11.7 g/t Au, 95 g/t Ag, and 0.81% Cu within this target. All geophysical features and geochemical results were obtained from a gossanous mountain which represents a zone of advanced argillic (clay mineral) alteration of a granodiorite stock.

## Message from the President

"We are excited about how the Atsutla Gold Project is taking form, ranging from the high-grade gold veins at the Western Atsutla area to a compelling Au-Cu-Ag porphyry prospect at the Swan Zone. We are fully permitted to drill-test both targets and we've now completed the necessary exploration groundwork to effectively target these zones." - Daithi Mac Gearailt

## Airborne Survey

The airborne magnetic and radiometric surveys were completed by Precision GeoSurveys, covering a 43 km<sup>2</sup> area over the Swan target on the western side of the Atsutla property. The survey defines a magnetic low coinciding with the donut-shaped chargeability high, with a subtle magnetic high in the centre of the donut. The magnetic low may be caused by magnetite-destructive phyllic alteration, whereas the subtle magnetic high in the center may indicate a magnetite-bearing, potassic altered intrusion at depth. A zone of enriched potassium (K) relative to thorium (Th) and uranium (U) in radiometric responses occurs on the eastern side of the centre of the chargeability donut. Elevated K is commonly associated with K-feldspar and biotite (potassic) alteration.

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Figure 1: Looking southwest toward the gossanous Swan zone, with a corresponding magnetic low, potassic (K) enrichment, a chargeability high, and multi-element soil and rock geochemical anomalies.

## About the Swan Zone

The Swan Zone is located on the eastern side of the Atsutla Gold project in northwestern BC. It is a potential Au-Cu-Ag porphyry system, defined by a 1,400 m by 800 m Au-Ag-Cu-arsenic (As) - antimony (Sb) - molybdenum (Mo) - lead (Pb) soil geochemical anomaly along a gossanous ridge. The host setting is a granodiorite porphyry intrusion with zoned advanced argillic and phyllic alteration assemblages. Bedrock sampling by Trailbreaker in the centre of the soil anomaly has returned values up to 11.5 g/t Au and 16.8 g/t Ag, associated with sulphide-rich veins. A near in-situ ("subcrop") rock sample returned values of 11.7 g/t Au, 95 g/t Ag, and 0.81% Cu. The surface geochemical anomalies are associated with advanced argillic alteration, which may represent the upper portion of a porphyry system.

IP surveying around the Swan target defined a donut-shaped chargeability high feature. This chargeability high is coincident with a relative magnetic low, and the southern portion is coincident with a resistivity low feature. The combined chargeability high, resistivity low, and magnetic low features are interpreted to potentially represent the phyllic alteration zone of a porphyry system. The centre of the chargeability donut is marked by a subtle magnetic high and localized K-alteration identified from radiometric surveying. This combination may be indicative of potassic style alteration.

#### About the Atsulta Gold Project

The Atsulta Gold project covers over 40,000 hectares of underexplored and prospective ground in northwestern BC. The project covers a portion of the Atsulta mountain range 70 km south of the BC-Yukon border. Placer gold was recorded in the area during the early 1900s, with very little subsequent mineral exploration.

The project is centered along the crustal-scale Teslin-Thibert fault system that marks the division between the Quesnel and Cache Creek terranes. Gold mineralization is associated with Mesozoic intrusive batholiths that are the predominant geological unit on the property. Trailbreaker has discovered two primary areas of mineralization within the Atsulta Gold Project. These areas and the targets within include:

- Swan zone- discussed above - an Au-Cu-Ag porphyry target defined by a 1,400 m by 800 m multi-element soil geochemical anomaly. Rock samples grading up to 11.5 g/t Au and 16.8 g/t Ag are coincident with a 2.1 km x 1.4 km donut-shaped chargeability high feature.
- Western Atsulta
  - Highlands zone - A 750 m by 600 m area in the western Atsulta Gold property area, with veins containing coarse visible gold and assaying up to 630 g/t Au and 1,894 g/t Ag.
  - Christmas Creek zone - Gold-bearing quartz veins 2.1 km east of the Highlands Zone, with rock samples assaying up to 102 g/t Au and 524 g/t Ag.
  - Snook zone - High-grade veins 3.5 km northeast of the Highlands Zone, with rock samples assaying up to 53.3 g/t.
  - Willie Jack zone - 1.25 km long gold-in-soil anomaly with soil samples assaying up to 3.77 g/t Au and rock samples up to 9.9 g/t Au.

#### About Trailbreaker Resources

Trailbreaker Resources is a mineral exploration company focused primarily on mining-friendly British Columbia and Yukon Territory, Canada. Trailbreaker is committed to continuous exploration and research, allowing maintenance of a portfolio of quality mineral properties which in turn provides value for shareholders. The company has an experienced management team with a proven track record as explorers and developers throughout the Yukon Territory, British Columbia, Alaska and Nevada.

#### ON BEHALF OF THE BOARD

Daithi Mac Gearailt

President and Chief Executive Officer

Carl Schulze, P. Geo., Consulting Geologist with Aurora Geosciences Ltd, is a qualified person as defined by National Instrument 43-101 for Trailbreaker's BC and Yukon exploration projects, and has reviewed and approved the technical information in this release.

Other

For new information about the Company's projects, please visit Trailbreaker's website at [TrailbreakerResources.com](http://TrailbreakerResources.com) and sign up to receive news. For further information, follow Trailbreaker's tweets at [Twitter.com/TrailbreakerLtd](https://twitter.com/TrailbreakerLtd), use the 'Contact' section of our website, or contact us at (604) 681-1820 or at [info@trailbreakerresources.com](mailto:info@trailbreakerresources.com).

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Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/485854--Trailbreaker-Resources-Ltd.-Further-Delineates-Drill-Targets-from-Airborne-Geophysics-at-Swan-Zone-Atsutla-Proje>

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