

Trailbreaker Resources Reports Rock Samples Up to 42.1 g/t Au and 1.93% Cu and Expands Geochemical Trend to 3-Km at Castle Rock Property

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VANCOUVER, Nov. 27, 2023 - [Trailbreaker Resources Ltd.](#) (TBK.V) ("Trailbreaker" or "the Company") is pleased to report geochemical results from the 2023 surficial exploration program at their Castle Rock property on northern Vancouver Island, British Columbia (BC).

Highlights from the surficial exploration program include:

- Definition of a 3 km gold-in-soil geochemical anomaly along a magnetic lineament, including the newly defined Kokummi and Watchtower zones;
- Rock samples assaying up to 42.1 g/t gold (Au) and 1.93% Copper (Cu) at the Flan zone, confirming historic results;
- Extension of the Heart zone in outcrop, with rock sample results up to 2.21 g/t Au (175 m north of the Heart showing) and 2.18 g/t Au (80 m east of it);
- Moss-mat sampling indicates gold mineralization may occur in drainages where no previous exploration has occurred;
- Interpretation of magnetic lineaments suggests that mineralization is associated with northwest trending structures splaying off the Kokummi granodioritic stock in the southwest property area. This indicates much of the unexplored property areas may have elevated mineral potential.

Message from the President

"Our grassroots exploration efforts at Castle Rock have continued to build upon a showing with limited previous exploration, and are quickly developing this into a compelling project with multiple targets. Castle Rock is a great testament to our tried-and-true exploration methodology which has proven to add value to our portfolio of early-stage exploration projects. We are excited to continue to advance Castle Rock, along with the rest of our portfolio." - Daithi Mac Gearailt

Figure 1: Soil geochemical anomalies and highlighted rock and moss-mat samples from the 2023 surface sampling program, overlain on interpretation of the regional airborne magnetic survey. Sampling defines a 3 km gold-in-soil trend which includes the Heart zone and newly defined Watchtower and Kokummi zones. Rock sampling has confirmed historic values at the Flan zone and defined an open gold-in-soil anomaly. Additionally, anomalous moss-mat samples in the southeast and eastern portions of the property have defined new areas of potential mineralization, leading to additional claim staking.

Heart, Watchtower, and Kokummi zones (3 km long soil trend)

Rock and soil geochemical sampling and prospecting successfully defined a three-kilometre gold-in-soil trend with multiple >30 ppb gold anomalies, centered on the previously known Heart showing. The Heart showing was discovered in 2012 and consists of a brecciated granodiorite dyke containing 5 to 10% pyrite-chalcopyrite. Historic chip sampling returned assays of 2.0 g/t Au over 30 metres¹.

During the 2023 surface campaign, rock samples collected from an outcrop 175 m north-northwest of the

Heart showing returned assay results up to 2.2 g/t Au. These samples were collected from a strongly oxidized granite, very similar to the main Heart zone showing. Additionally, gossanous basalt containing pyrite was sampled in outcrop 80 m east-northeast of the Heart showing, and returned assay results up to 2.2 g/t Au.

Soil sampling near the Heart showing expanded the continuous gold-in-soil anomaly, defining the Heart zone to approximately 1,150 m in strike length and up to 300 m in width.

A new multi-sample gold-in-soil anomaly, the Watchtower zone, was identified approximately 325 m to the southwest of the Heart showing. No previous sampling had been conducted in the area prior to 2023. The anomaly remains open to the south and west. This may represent an additional mineralization centre near the Heart zone.

A second newly identified gold-in-soil anomaly, the Kokummi zone, was defined to the south-southeast of the Heart zone. This anomaly is on strike of the Heart zone and is defined by gold-in-soil values >30 ppb along multiple soil sampling lines, defining a >600 m strike length.

Flan zone

Historic sampling at the Flan zone returned assays up to 135 g/t Au in boulders². Sampling during 2023 was designed to confirm the presence of mineralization and to define a bedrock source. Gossanous float material sampled at the Flan zone confirmed high-grade gold mineralization, with assays up to 42.1 g/t Au and 1.93% Cu. As well, basalt-hosted semi-massive pyrite-chalcopyrite-pyrrhotite sampled in outcrop returned assays up to 3.1 g/t Au. It is believed that this outcrop-hosted mineralization is associated with the float samples, and that similar mineralization may occur under vegetative and/or till cover. The Flan zone lies at the intersection of two magnetic lineaments. This structural intersection may be an important control of gold mineralization.

The Flan zone occurs on the western extent of the soil geochemical grid. However, another gold-in-soil anomaly was defined from the 2023 sampling approximately 500 m north of the outcrop mineralization at the Flan zone. The anomaly is defined by >30 ppb gold-in-soil, and remains open to the west and north.

Reconnaissance sampling

To assess potential mineralization outside of the primary area covered by soil sampling, moss-mat sampling, targeting additional drainages on the property, was employed. Moss-mat sampling is used as a reconnaissance style sampling method, similar to stream sediment sampling, providing indications of metal content within a drainage and providing a vector for the location of mineralization.

Two areas returned multiple moss-mat samples with greater than 10 ppb gold. The first area is in the southeastern portion of the property, near the postulated contact of the Kokummi stock and the Karmutsen basalts. The second area is within a valley that drains from the eastern flank of Mt. Adam. This valley, which has not undergone any exploration work, is marked by magnetic lineaments, similar to those at the Heart-Kokummi soil trend. Additional claims were staked in this area to cover all drainages potentially causing these elevated moss-mat samples.

Future Work Recommendations

Future work at the Castle Rock property will be focussed toward continuing to define the extent of mineral potential on the property, as well as advancing individual targets toward initial drill testing. This work will include permitting to conduct advanced exploration activities, additional surface geochemical work, and geophysical surveying.

About the Castle Rock property

The Castle Rock property covers 3,108 hectares of land, approximately 70 km northwest of Campbell River,

BC on northern Vancouver Island (Figure 1). It was acquired by Trailbreaker in 2022 and was recently consolidated through an option agreement with Cazador Resources Ltd. (see August 8, 2023 news release). Trailbreaker conducted initial exploration assessment work in 2022 and followed up with a second surface exploration program in 2023 (results are contained in this news release).

The claims cover five BC Minfile occurrences on a district-scale structure that is >5 km-long, with newly identified gold ± copper-enriched intrusions. These Minfile occurrences are relatively new discoveries, mostly due to access created by recent logging activity.

Northern Vancouver Island is host to several large Cu-Au porphyry deposits, including Northisle's Hushamu deposit (Inferred Resource of 5.57 Moz AuEq)³, and BHP Billiton's past producing Island Copper porphyry copper deposit (produced >2.7 B lb Cu and >1.0 Moz Au)³.

At the Castle Rock property, gold is dominantly hosted in Jurassic granodiorite dykes which have been emplaced along a regional-scale fault zone separating Lower to Middle Triassic Daonella Bed sedimentary rocks from Upper Triassic Karmutsen Formation basalts.

About Trailbreaker Resources

Trailbreaker Resources is a project generator focused primarily on mining-friendly British Columbia and Yukon Territory, Canada. We are committed to continuous exploration and research, allowing us to maintain a portfolio of quality mineral properties which in turn provides value for our shareholders. The company has an experienced management team with a proven track record as project generators 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 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.

References

- 1) <https://minfile.gov.bc.ca/Summary.aspx?minfilno=092L%20%20399>
- 2) <https://minfile.gov.bc.ca/Summary.aspx?minfilno=092L%20%20396>
- 3) https://cmscontent.nrs.gov.bc.ca/geoscience/PublicationCatalogue/InformationCircular/BCGS_IC2014-04.pdf

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A photo accompanying this announcement is available at

<https://www.globenewswire.com/NewsRoom/AttachmentNg/ae9292a0-501f-4c65-93e1-4c863323130c>

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