

Trailbreaker Resources Ltd. Expands Footprint of High-Grade Gold Structure at Atsutla Gold Project

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[Trailbreaker Resources Ltd.](#) (TBK.V) ("Trailbreaker" or "the Company") is pleased to announce results from its 2025 exploration program at the Atsutla Gold project in northwestern British Columbia (BC). Detailed prospecting and mapping in the Highlands zone area has expanded the known footprint of high-grade gold (Au) showings and led to discovery of new high-grade copper-gold-silver (Cu-Au-Ag) showings on recently acquired claims.

Previous exploration at the Highlands zone led to discovery of a shallowly-dipping shear structure which hosts high-grade gold-bearing quartz veins, returning assays up to 630 g/t Au. During the 2025 program, the structure's continuity was explored on recently acquired claims, expanding the Highlands zone structural feature to a 1.0 km x 1.2 km area. A zone of high-grade copper and silver, the Highlands North zone, was also discovered 1.1 km north of the high-grade gold showings.

Mineralization at the Highlands zone is related to a much larger system (Atsutla West), which includes the Christmas Creek and Snook zones. Combined, this area covers 5.0 km x 4.3 km. Trailbreaker's team interprets the gold mineralization to be orogenic in nature, with multiple gold ± silver ± copper-bearing shear zones related to larger faults occurring in the area.

Daithi Mac Gearailt, CEO of Trailbreaker, commented, "The Highlands zone continues to exceed our expectations. To date we have not defined its extent, and its footprint expands with each campaign. It is important to remember that this is a new discovery, where high-grade gold and silver have been discovered at surface over multiple kilometers. It has never been drilled and is only one part of the story at the Atsutla Gold project."

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Figure 1: Gold mineralization in the Atsutla West project area.

Trailbreaker's 100%-owned Atsutla Gold project is located 70 km south of the Yukon-British Columbia border and 120 km northwest of the Village of Dease Lake, BC. The project covers over 40,000 hectares (ha) of ground with very limited historic exploration.

The 2025 exploration program consisted of the collection of 147 soil samples and 77 prospecting grab samples during late August and early September. Final assays were not received until late December due to multiple re-analyses of high-grade gold, copper, and silver as well as additional QA/QC completed by Bureau Veritas Labs. Table 1 (below) displays the ten highest gold values returned from these assays.

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Table 1: Ten highest gold values returned from rock grab samples taken during the 2025 program.

Sample ID	Au (g/t)	Ag (ppm)	Sample Weight (kg)	Exposure	Description
2013421	401.8	493	1.90	Float	Train of quartz vein slabs in gossanous talus soil scree. 10 brown blebs of oxidized pyrite. Crumbles easily. No fresh s

2013418	221.6	264	1.37	Subcrop	Oxidized granitic zone in talus slope. 1 to 5 cm-long quartz outcrop. Crumbles easily. Fractures with oxidized pyrite streaks follow shear @ 094/77. Vein orientation uncertain.
2013402	65.1	70.3	1.55	Outcrop	Pinch-and-swell quartz vein up to 20 cm wide with patchy (pyrite, chalcopyrite, and galena locally). Traced up cliff face.
2013473	62.1	836	1.20	Subcrop	20 cm wide quartz vein in middle of 3 m wide gossan zone with limonitic pyrite and galena, trace malachite. Fairly competent.
2013472	55.2	45.5	0.97	Float	Abundant high-grade float in 1 m x 1 m area. Very local. Vein of vein, some slickenslides. Limonitic pyrite.
2013469	17.0	1.9	0.70	Float	20 cm wide, 40 cm long quartz boulder with 1 inch seam of blebs. Minor cockscomb textures. Competent. Abundant s
2013484	13.9	24.4	0.71	Float	High-grade quartz vein chips trailing up gossanous slide. T vugs, trace limonitic pyrite.
2013471	10.4	26.2	0.82	Float	Gossan zone about 3 m wide. Sample is comprised of five 2 to 6 cm wide. Pyritic vugs. Oxidized fractures. Similar ap
2013422	10.1	8.2	1.17	Outcrop	Flat-lying oxidized decomposed quartz vein along cliff ledge appearance to high-grade vein. No fresh sulphides.
2013490	9.3	3.1	0.29	Float	Quartz cobble about 8 cm wide with minor limonitic pyrite. occurring in this outcrop. Further prospecting warranted.

The purpose of the program was to further delineate the Highlands zone shear structure by additional prospecting in areas of previously discovered mineralization and on newly acquired claims to the west and north of the known gold zones.

Gold at the Highlands zone is found within quartz veins ranging from 10 cm to 60 cm thick occurring within a continuous, shallow-dipping shear structure. The gold-bearing quartz veins typically host galena and arsenopyrite, but commonly have no visible sulphide minerals. During 2025, this structure was traced along the side of a ridge for 1.0 km in a NE-SW direction (Figures 2 and 3). Rock samples taken from the northeast corner returned assays up to 221.6 g/t Au, and rocks taken from the southwest corner returned assays up to 9.32 g/t Au. The highest gold value returned, 401.8 g/t Au, 493 ppm Ag (Photo 1), was obtained from a rock taken 140 m from the previously discovered high-grade showings. The structure was traced for an additional 1.2 km to the west, onto newly acquired claims, where assays returned values up to 4.83 g/t Au.

A newly discovered zone of high-grade copper, termed the Highlands North zone, yielded up to 1.65% Cu, 5.92 g/t Au, and 551 ppm Ag (from separate rocks) in an area 1.1 km north of the high-grade gold showing at the Highlands zone. The high-grade copper values were returned from more steeply dipping quartz veins from 20 cm to 80 cm thick, hosting chalcopyrite, bornite, malachite, azurite, and pyrite. Five rock samples in this area returned assay values greater than 1% Cu, and eight samples returned values greater than 100 ppm Ag (see Photo 3).

Reconnaissance soil sampling to the west of the Highlands North zone returned values up to 66 ppb Au, suggesting potential for additional mineralization in this direction.

Statistical analysis of rock and soil sample assays in the Highlands zone show that gold correlates with mercury (Hg), selenium (Se), lead (Pb), silver, antimony (Sb), copper, and arsenic (As). High bismuth (Bi) values also occur, but are generally related to high-grade copper.

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Figure 2: High-grade gold-bearing rock sample locations and interpreted structural features at the Highlands

zone.

Photo 1 (left): Rock sample 2013421 was taken 140 m from the initial high-grade vein discovery. This rock returned values of 401.8 g/t Au, 493 ppm Ag, >10,000 ppm Pb, 1,779 ppm Cu, and 1,867 ppm As. It is typical of much of the high-grade vein material - incompetent, oxidized quartz with no visible sulphide minerals.

Photo 2 (right): Rock sample 2013473 was also taken in the main Highlands zone, 440 m southwest of 2013421. This sample shows more competent quartz veining with trace pyrite, galena, and malachite. Assays returned values of 62.1 g/t Au, 836 ppm Ag, >10,000 ppm Pb, 1,039 ppm Cu, 7,746 ppm As, and >2,000 ppm Sb.

Photo 3: Example of one of the steeper dipping high-grade copper veins found in the newly discovered Highlands North area. A grab sample from this vein (2013406) returned 1.17% Cu, 0.43 g/t Au, 294 ppm Ag, 7,020 ppm Pb, 1,391 ppm Zn, and 449 ppm Bi.

Trailbreaker's team has interpreted the shear structure delineated at the Highlands zone to be continuous, with similar structures found at the Christmas Creek zone (1.5 km to the east), and the Snook zone (4.5 km to the north). The total surficial footprint of this area is 5.0 km x 4.3 km. Figures 1 and 4 display mineralization across the Atsutla West area. Rock sampling indicates potential for further shear-hosted mineralized quartz veins at lower elevations along the slope, however much of this area is masked by a thick talus apron (Figure 3). Further rock sampling and geological mapping is warranted to test for their presence.

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Figure 3: Looking west towards the auriferous shear zone exposed along the ridge at the Highlands zone.

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Figure 4: High-grade gold occurrences across the Atsutla West region are hosted in potentially continuous shear structures within a 5.0 km x 4.3 km area.

The Highlands zone and greater Atsutla West area are fully permitted for drilling. During the 2025 program, the Trailbreaker team ground-truthed potential drill pads to test the shear structure. The Swan target, situated 26 km to the southeast, is also fully permitted for drilling. The two areas represent different deposit models: Atsutla West is an orogenic Au target while Swan is a porphyry Cu-Au-Ag target.

More about the Atsutla Gold project

The Atsutla Gold project is centered over the regional-scale Teslin-Thibert fault system which marks the contact between the Quesnel and Cache Creek terranes. Gold mineralization is associated with Mesozoic batholithic intrusions that are the predominant geological unit on the property. Since discovery in 2020, Trailbreaker has outlined five significant zones of gold mineralization on the property, across a span of 26 kilometers. These are:

- Highlands Zone - A 2.0 km by 1.5 km area in the western Atsutla Gold project region, with veins containing coarse visible gold assaying up to 630 g/t Au and 1,894 g/t Ag
- Christmas Creek Zone - Gold-bearing quartz veins 1.5 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
- Swan Zone- A Cu-Au-Ag porphyry target defined by a 1.5 km x 1.5 km multi-element soil geochemical anomaly (Au-Cu-Ag-As-molybdenum [Mo]-Sb-Bi), with rock grab samples grading up to 11.7 g/t Au, 212 g/t Ag, and 0.81% Cu. The geochemical anomaly is coincident with a 2.1 km x 1.4 km donut-shaped chargeability high (defined by a 2024 induced polarization survey) as well as a zone of elevated potassium marked by a magnetic low signature indicated from a 2024 airborne magnetic and radiometric survey.

Quality Assurance/ Quality Control (QA/QC)

Rock and soil samples were stored at the Atsutla camp for the duration of the program. At the program's conclusion, samples were flown out and then driven by Trailbreaker personnel to Bureau Veritas' prep lab in Whitehorse, YT.

Rock samples were prepared using industry-standard preparation methods, which involved crushing the entire sample until 70% passed through a 2 mm screen. A resulting 250 g split was pulverized to > 85% passing a 75-micron screen (Bureau Veritas prep code PRP70-250). Soil samples were prepared by drying at 60° C and sieved to -80 mesh (prep code SS80).

After preparation, the samples were sent to Bureau Veritas' lab in Vancouver, BC. Rock samples underwent 37-element analysis (analytical code AQ200). This package involves aqua regia digestion (1:1:1 HNO₃:HCl:H₂O) of a 0.5-gram split followed by ICP-ES/MS analysis. Rock samples also underwent gold fire assay analysis (code FA350-Au). This package uses a 50-gram split, fire assay, and ICP-ES analysis. Samples assaying >10 g/t Au or >100 g/t Ag underwent additional gravimetric analysis (codes FA550-Au and FA550-Ag). Samples assaying >1% Cu underwent additional atomic absorption (AAS) analysis (code AR401).

Soil samples underwent analytical package AQ201 which returns values for 37 elements. This package involves aqua regia digestion of a 15-gram split followed by ICP-ES/MS analysis.

Bureau Veritas performs its own QA/QC procedure and is ISO 17025 certified. Blanks, duplicates, and standard reference materials are sequentially inserted into the client's sample stream to test for contamination, uniformity of element distribution, and analytical accuracy.

About Trailbreaker Resources

Trailbreaker Resources is a mining 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 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.

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