

Aurania Reports Initial Findings From IP Survey at Kuri-Yawi

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Toronto, February 20, 2025 - [Aurania Resources Ltd.](#) (TSXV: ARU) (OTCQB: AUIAF) (FSE: 20Q) ("Aurania" or the "Company") reports that the induced polarization (IP) geophysical survey has provided invaluable information that will assist in defining the location of future drill holes at the Kuri-Yawi gold target in Ecuador. Kuri-Yawi is a geochemical anomaly with enrichments in epithermal pathfinder elements. In addition, large pieces of siliceous sinter in float were recovered from the grid signifying the presence of an extinct geothermal system. The Fruta del Norte gold deposit some 100 km to the south lies beneath a siliceous sinter unit.

The IP survey detected conductive and chargeability anomalies at the Kuri-Yawi epithermal gold target. Chargeability (or induced polarization) is a measure of the ability of the rock to temporarily retain an induced electrical charge, usually due to disseminated sulphides

Our geologists are now working to interpret the IP survey results in relation to and compared to existing field data and data from the previous Mobile MagnetoTellurics (MobileMT) airborne survey to define optimal drill hole positions. A start date for a proposed drill program at Kuri-Yawi has not yet been determined.

The IP survey at Kuri-Yawi was conducted by GexplOre in late 2024 using the Fullwaver system (from Iris Instruments). The Fullwaver is a distributed acquisition system with each system being fully independent of the other. This drastically reduces the need for cables making it optimal for challenging terrain.

Two different methods were deployed during the geophysical survey:

- Pseudo-3D profiling using 2D DC electrical methods in Pole-dipole configuration with simultaneous measurement of apparent resistivity (ρ_a) and induced polarization (IP) along eleven profiles, each of 2700 m length; and
- 3D DC electrical methods over a selected area with simultaneous measurement of apparent resistivity (ρ_a) and induced polarization (IP) along two grids (0.6 km²).

The collected data was processed and inverted to generate a 3D model of the ground's resistivity and chargeability.

Resistivity and Conductivity

- The resistivity results highlight the different lithologic units with a conductive sedimentary unit to the east and a resistive volcanic unit overlying another conductive unit at depth that could correspond to an alternation of black shale, limestone and volcanic tuff. These facies are known further to the north and are suspected to be a good trap for gold mineralisation. The conductive unit at surface may correspond to the tropically weathered clay level.
- In the southeastern area, conductive vertical structures are locally present and remain relatively consistently sub-perpendicular along the lines, forming a large vertical conductive corridor. The direction of this corridor is similar to the direction of the chalcedony veins with high grade thallium that was discovered while walking the cut lines on the survey grid.

Fig 1: Resistivity and conductivity image of the Kuri-Yawi target to the south (red is conductive and blue is resistive).

To view an enhanced version of this graphic, please visit:

https://images.newsfilecorp.com/files/2477/241623_d76b98eaa4dc1bb5_001full.jpg

Chargeability

The survey returned two main chargeability vertical structures:

- One to the Northwest of the grid extending to a deeper more chargeable model (Fig 2).
- The others to the south of the grid are associated with the corridor of vertical conductive anomalies (see above). They extend to the depth of the inverted model as one (western area) or two vertical structures (eastern area), forming a single large vertical structure. In the eastern area, the unit is separated into two main vertical structures of high chargeability (Fig 3). In contrast to western anomalies (Fig 2), the maximum chargeability of these structures is observed along the edges of the vertical conductive corridor.

Fig 2: Chargeability in the west area of the grid at Kuri-Yawi (red is high chargeability and blue is low chargeability).

To view an enhanced version of this graphic, please visit:

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Fig 3: Chargeability in the west area of Kuri-Yawi (red is high chargeability and blue is low chargeability).

To view an enhanced version of this graphic, please visit:

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PDAC 2025

Aurania will be attending the Prospector's and Developers International Convention (PDAC) being held March 2nd - 5th, 2025 at the Metro Toronto Convention Centre (MTCC) in Toronto, Canada. Visit us at booth 2948 in the Investors Exchange located in the MTCC South Building, Level 800. For more information about PDAC and registration, please visit the PDAC website.

Aurania is hosting a meet-and-greet for its shareholders on Sunday, March 2nd from 5:00pm-8:00pm in Salon 1, 19th Floor, at The Fairmont Royal York Hotel, 100 Front Street West, Toronto, Ontario.

Due to capacity limitations, we kindly ask that you confirm your attendance no later than 10am ET on February 24th by RSVP to Carolyn: Carolyn.muir@aurania.com

Qualified Persons:

The geological information contained in this news release has been verified and approved by Aurania's VP Exploration, Mr. Jean-Paul Pallier, MSc. Mr. Pallier is a designated EurGeol by the European Federation of Geologists and a Qualified Person as defined by National Instrument 43-101, Standards of Disclosure for Mineral Projects of the Canadian Securities Administrators.

About Aurania

Aurania is a mineral exploration company engaged in the identification, evaluation, acquisition and exploration of mineral property interests, with a focus on precious metals and copper in South America. Its flagship asset, The Lost Cities - Cutucu Project, is located in the Jurassic Metallogenic Belt in the eastern foothills of the Andes mountain range of southeastern Ecuador.

Information on Aurania and technical reports are available at www.aurania.com and www.sedarplus.ca, as

well as on Facebook at <https://www.facebook.com/auranialtd/>, X (formerly Twitter) at <https://x.com/AuraniaLtd>, and LinkedIn at <https://www.linkedin.com/company/aurania-resources-ltd->.

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