

O R O G E N

# Cuervo

Till covered epithermal target

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**LOCATION:** BC, Canada

**COMMODITY:** Gold-Silver

**TARGET:** Blackwater Analog

# Forward Looking Information

This presentation includes certain statements that may be deemed “forward looking statements”. All statements in this presentation, other than statements of historical facts, that address events or developments that Orogen Royalties Inc. (the “Company”) expects to occur, are forward looking statements. Forward looking statements are statements that are not historical facts and are generally, but not always, identified by the words “expects”, “plans”, “anticipates”, “believes”, “intends”, “estimates”, “projects”, “potential” and similar expressions, or that events or conditions “will”, “would”, “may”, “could” or “should” occur.

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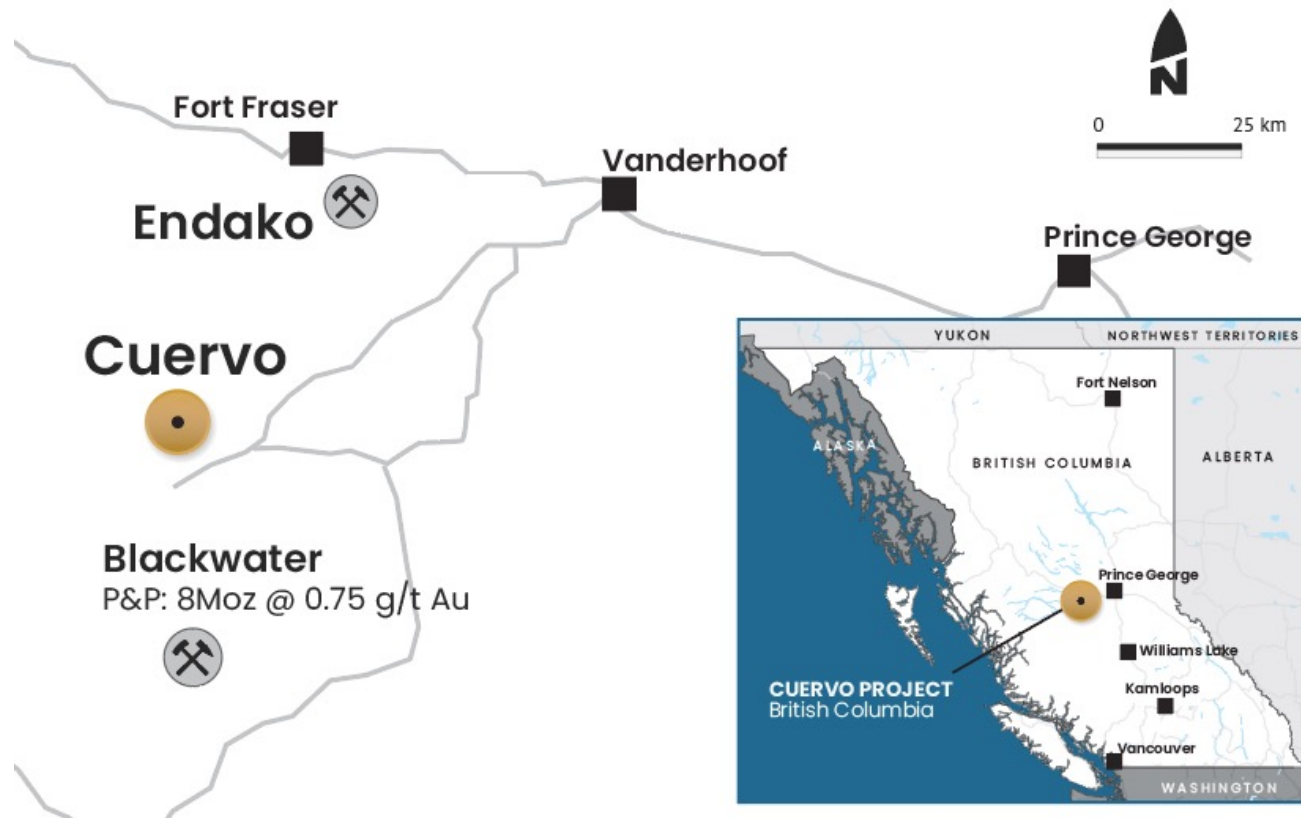
# Highlights and Opportunity

- Sixteen square-kilometre gold anomaly developed in basal till with geochemistry indicative of a buried epithermal system.
- Scale and tenor of till anomaly comparable to Artemis Gold Inc's Blackwater project.
- The till source region correlates with magnetic low and high chargeability parallel to an up-ice regional-scale structure.
- Historic drilling on the peripheries of the geochemical and geophysical anomaly intersected epithermal veins with anomalous gold and silver values.
- Prospecting identified gold and silver bearing silica- sericite- clay altered rhyolite float up ice of the gold anomaly
- Ready for additional geophysical testing and result dependent follow up drilling



# Location

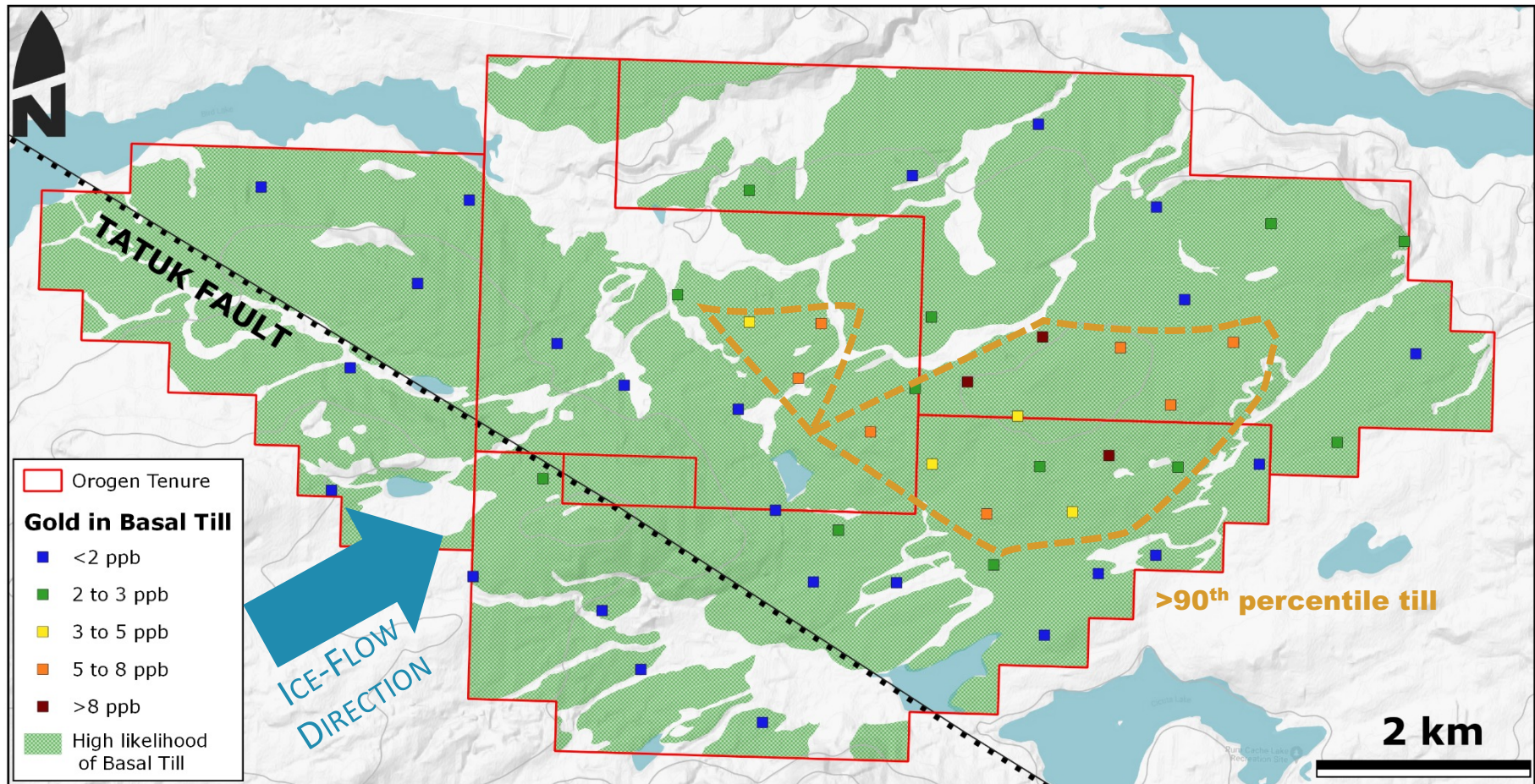
- Staked in November 2021 following generative exercise conducted by Orogen since 2017 focused on the Geoscience BC TREK dataset
- Covering 5,790 Ha 100% owned by Orogen Royalties
- Bordered by Centerra's Lucas Lake project



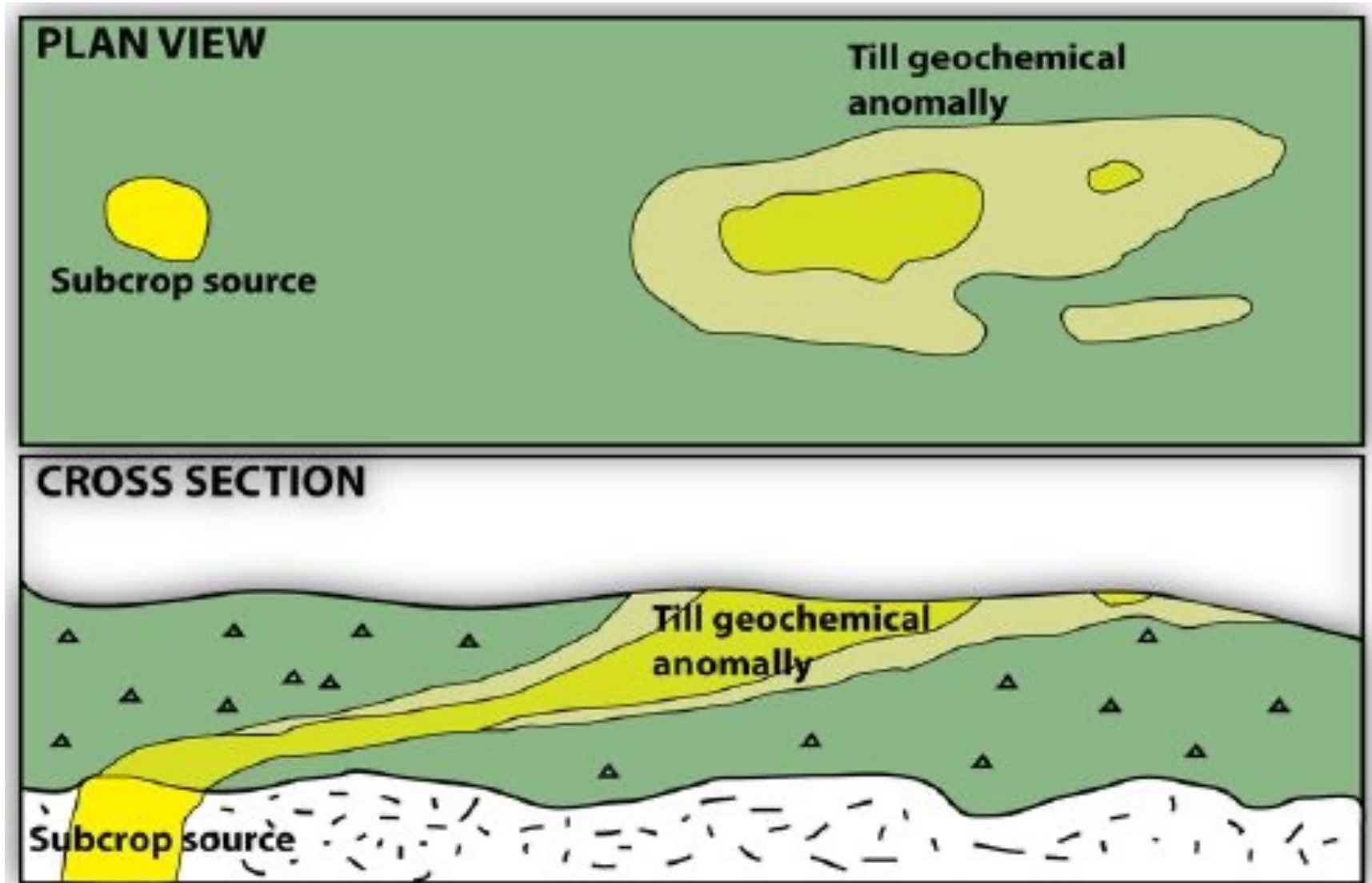


# Gold Anomaly in Basal Till

- Property dominated by Basal Till.
- Basal till sampling identified sixteen square-kilometre gold anomaly.
- Peak till values of 35 ppb (>99th percentile in TREK dataset)



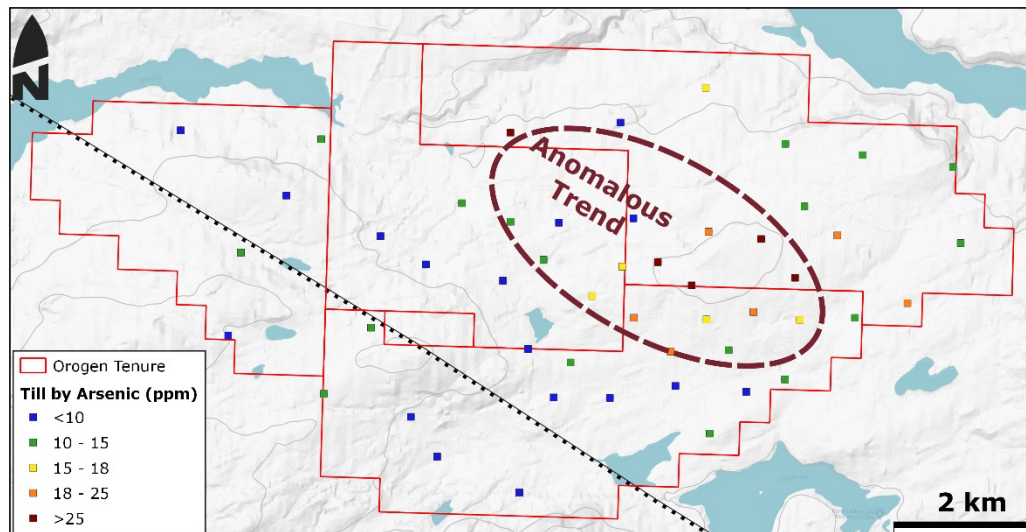
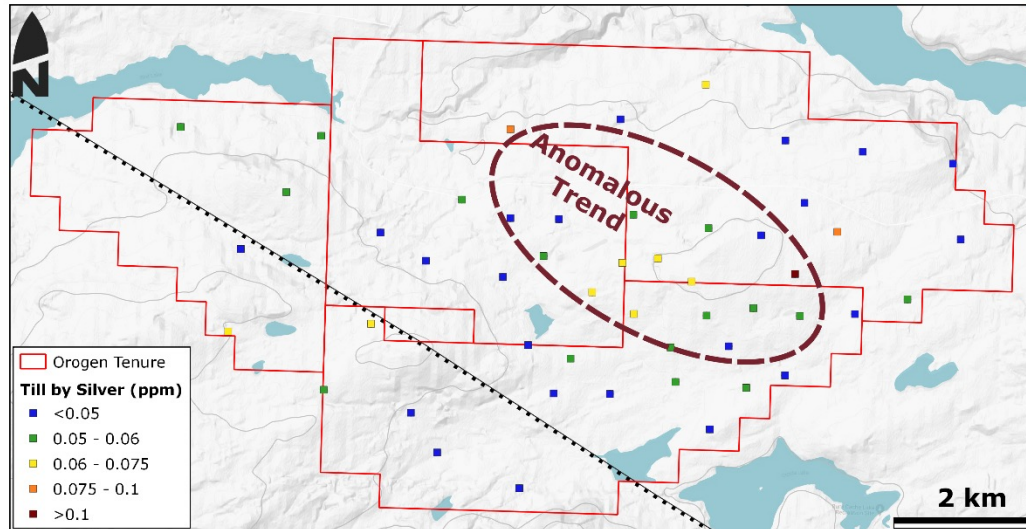
# Gold Anomaly in Basal Till





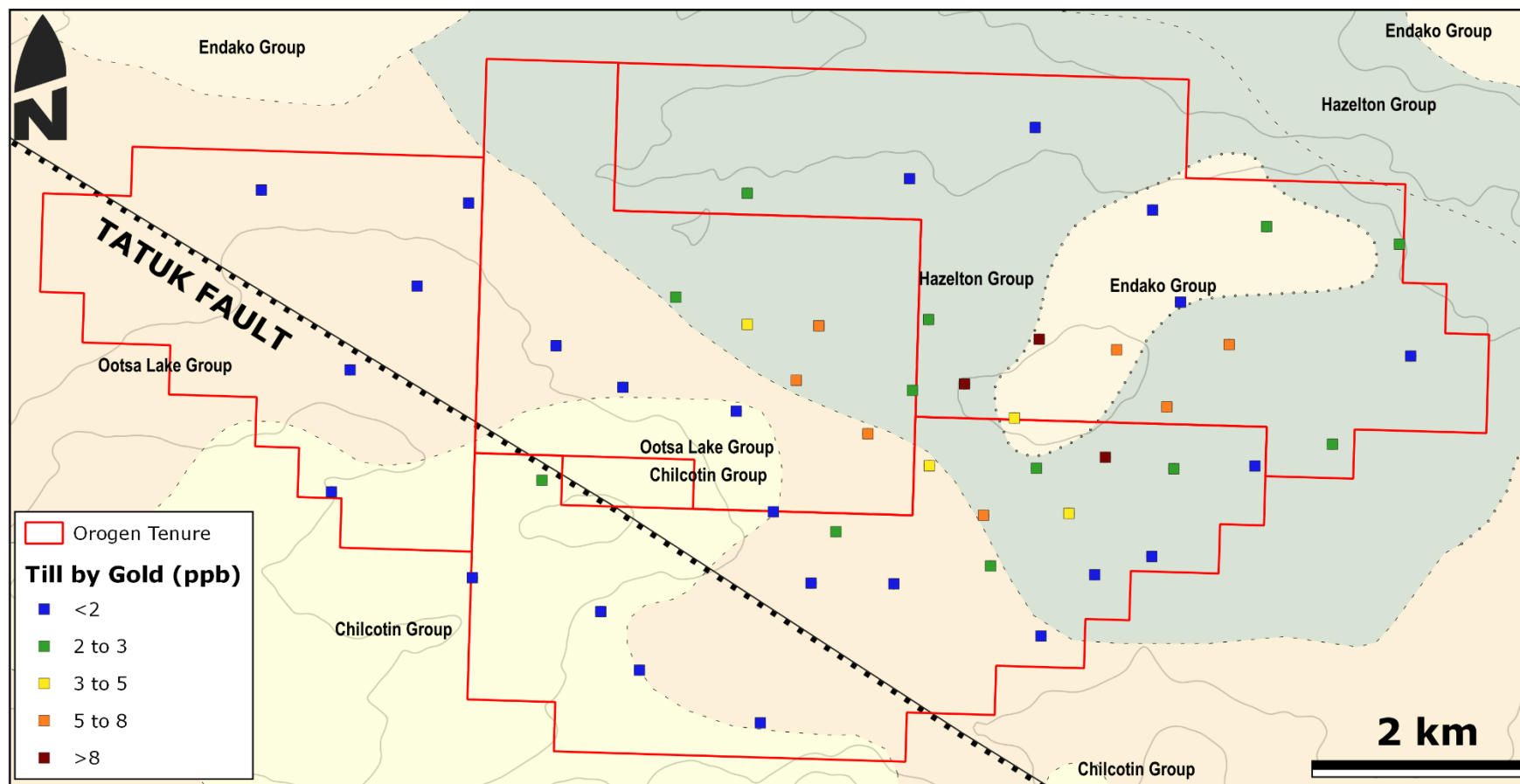
# Till Sampling Program

Gold anomaly correlates with silver and arsenic in basal till



# Geology

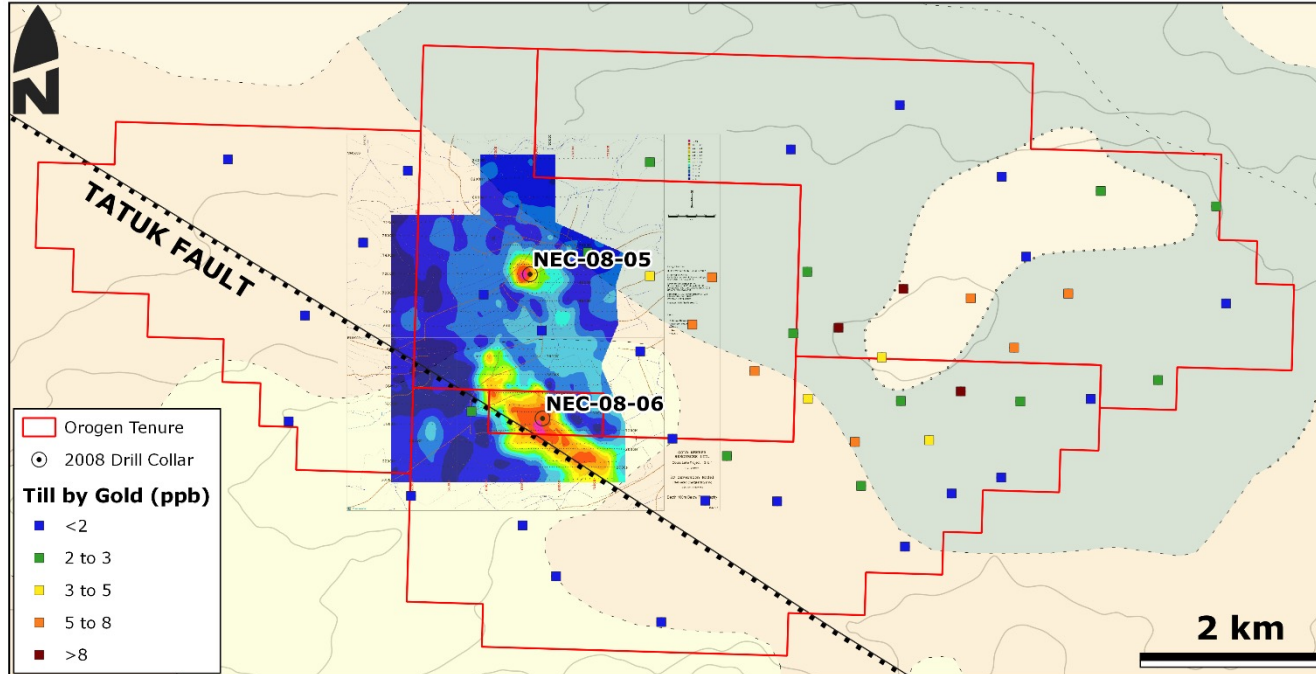
- Cuervo claims mapped as covering contact between Eocene Ootsa Lake and Jurassic Hazelton Group
- Regional Tatuk normal fault (mapped from geophysics) cuts across the property
- Property largely covered by a thin veneer of basal till





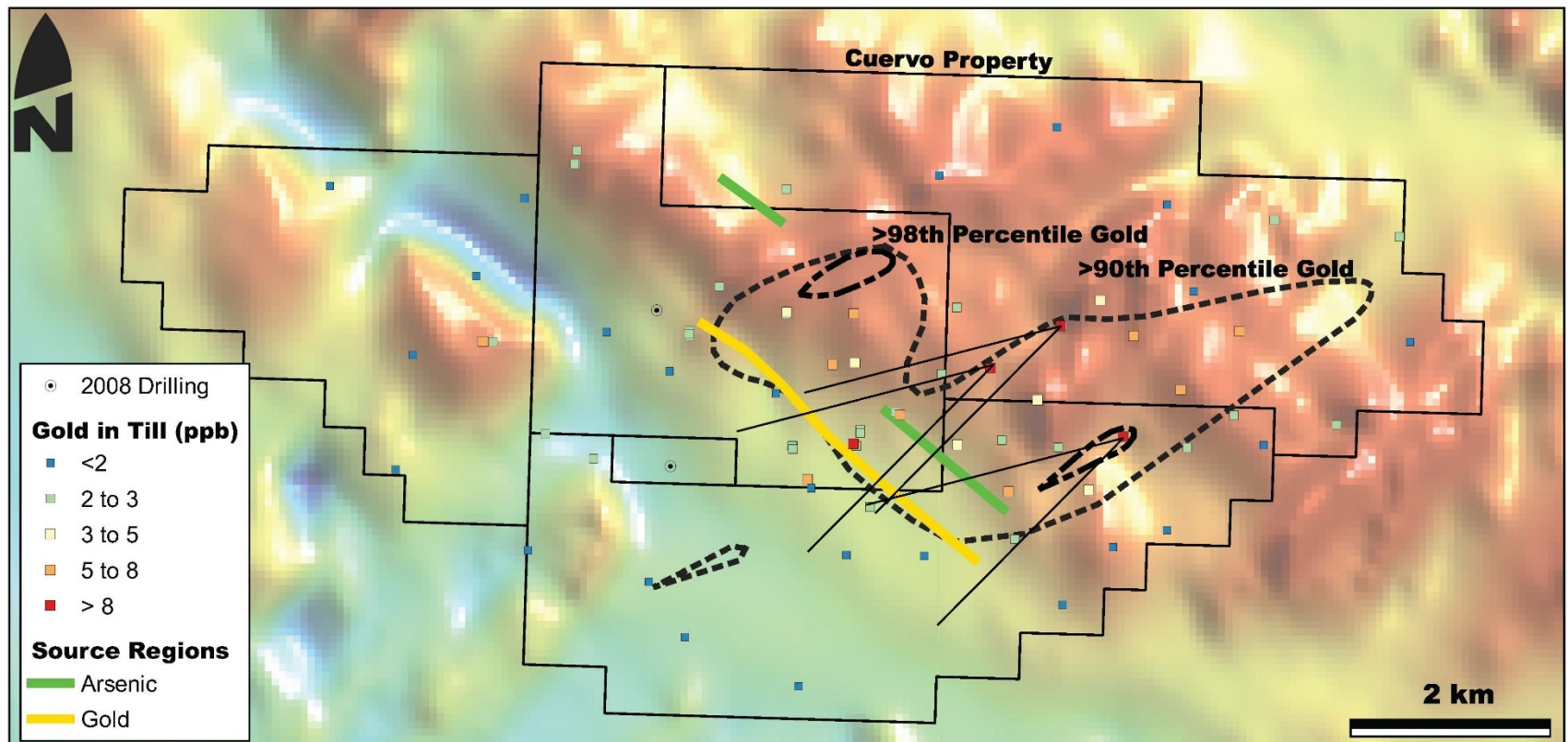
# Historic Work

- 2008- Two diamond drill holes, 42 line-kilometre magnetometer survey and 30 line-kilometre IP survey all on periphery of anomalous till source region
  - NEC 08-05 (340 metres) identified a diorite intrusion beneath volcanics with minor propylitic alteration
  - NEC 08-06 (411 metres) intersected epithermal style veining with weakly anomalous gold and silver values (up to 0.15 g/t gold, 6.6 g/t silver over 8 metres) and highly enriched arsenic and antimony in the deeper parts of the hole
- Subsequent rock sampling encountered up to 0.1 g/t gold, two ppm silver and 2,300 ppm copper



# Geophysics

- Basal till anomaly parallels magnetic trough interpreted to be the regional Tatuk fault
- Chargeability anomaly parallel to anomaly and mapped Tatuk fault open to southeast
- Low resistivity correlates with high chargeability
- 2013 VLF survey identified spatial correlation between electrical conductivity and anomalous concentrations of metals



# Prospecting Program

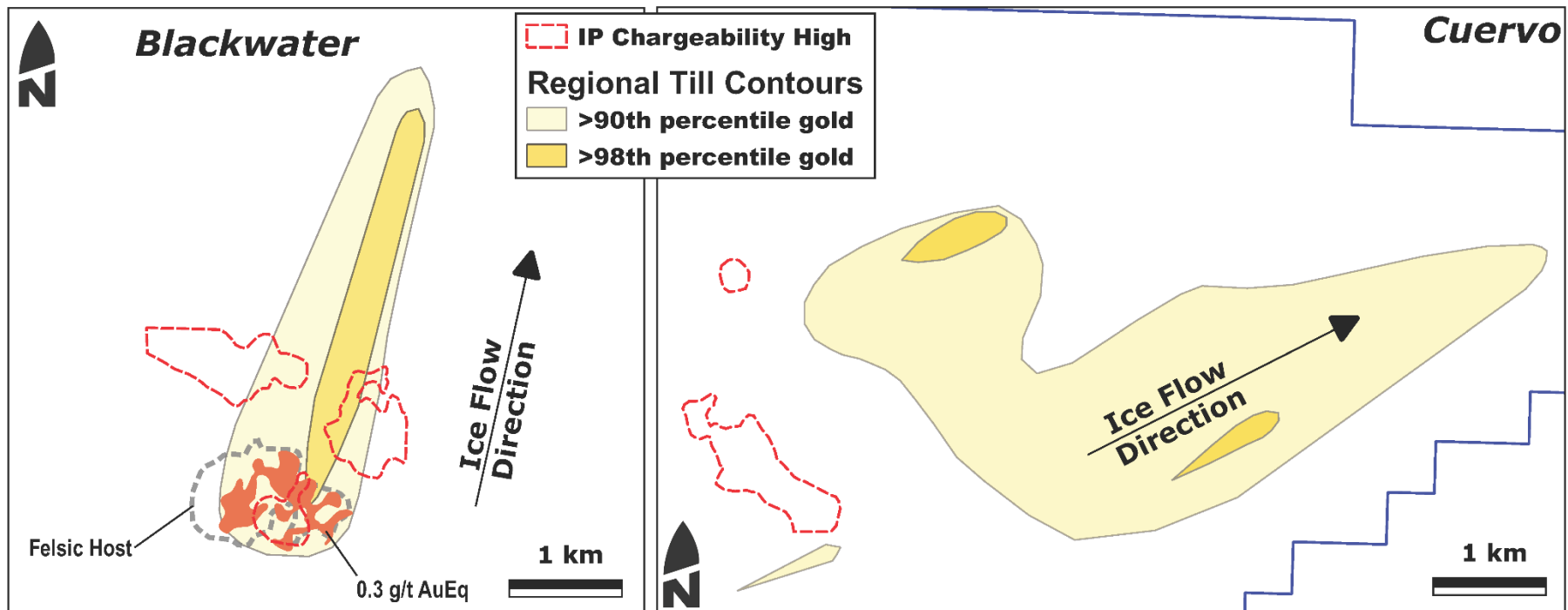
- Float prospecting in 2023 highlighted anomalous region in mag low up ice of the till anomaly
- Anomalous epithermal (As,Sb, Pb) elements and up to 10 g/t silver and 0.2 g/t gold
- Anomalism associated with pyrite bearing rhyolite with micro veinlets and breccia
- Anomalous rhyolite float displays silica-sericite-clay alteration



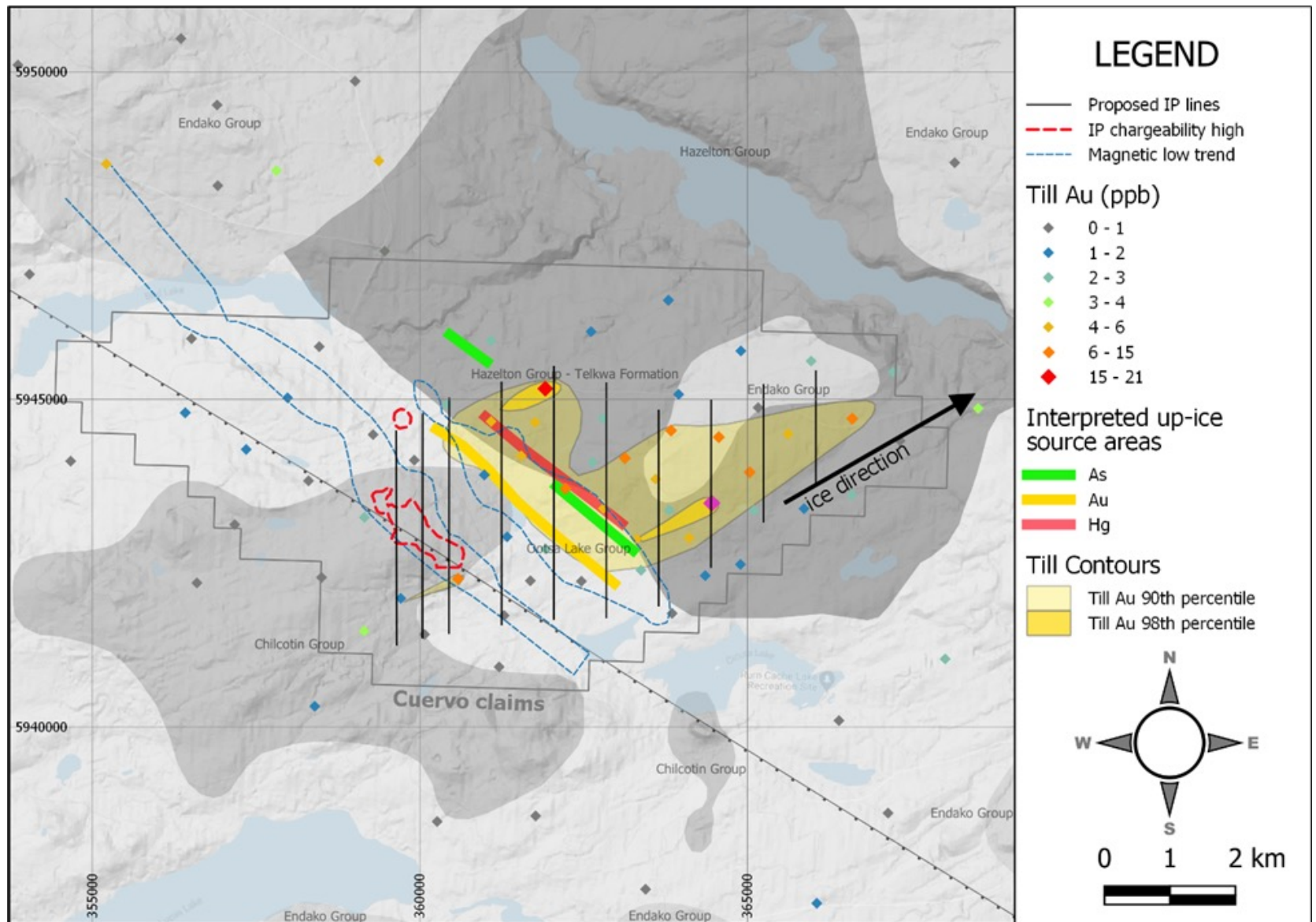


# Blackwater Analog

- Artemis Gold's development stage Blackwater Gold project- total M&I resource is estimated at 597 Mt at 0.61 g/t gold and 6.4 g/t silver for a total of 11.7 million ounces gold and 122.4 million ounces of silver<sup>1</sup>
- Volcanic-hosted epithermal style gold-silver deposit with characteristics of both low and intermediate sulphidation systems
- Pervasive stockwork veined and disseminated sulphide mineralization at Blackwater is hosted within felsic to intermediate volcanic rocks that have undergone extensive silicification and hydrofracturing
- Mineralization strongly controlled by NW-SE trending structures characterized by tectonic breccia and chloritic gouge
- Large geochemical and geophysical footprints



# Summary



# Summary

- Sixteen square-kilometre basal till anomaly represents the largest identified by Orogen in six years of generative work focused on the Nechako Plateau
- Gold anomaly is in 99th percentile for the region and correlates with other epithermal pathfinders
- Broad source region for the anomaly corresponds to a magnetic low related to a regional structure
- Open ended chargeability anomaly parallels this structure
- Drilling on periphery of chargeability intersected epithermal veins and anomalous silver and gold
- Core of geochemical and geophysical target undrilled
- Early-stage target with significant upside potential
- Additional IP to better define till source region with result dependent follow up drilling





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