

El Gigante

Undrilled low-sulphidation epithermal veins in SW Utah



O R O G E N

orogenroyalties.com



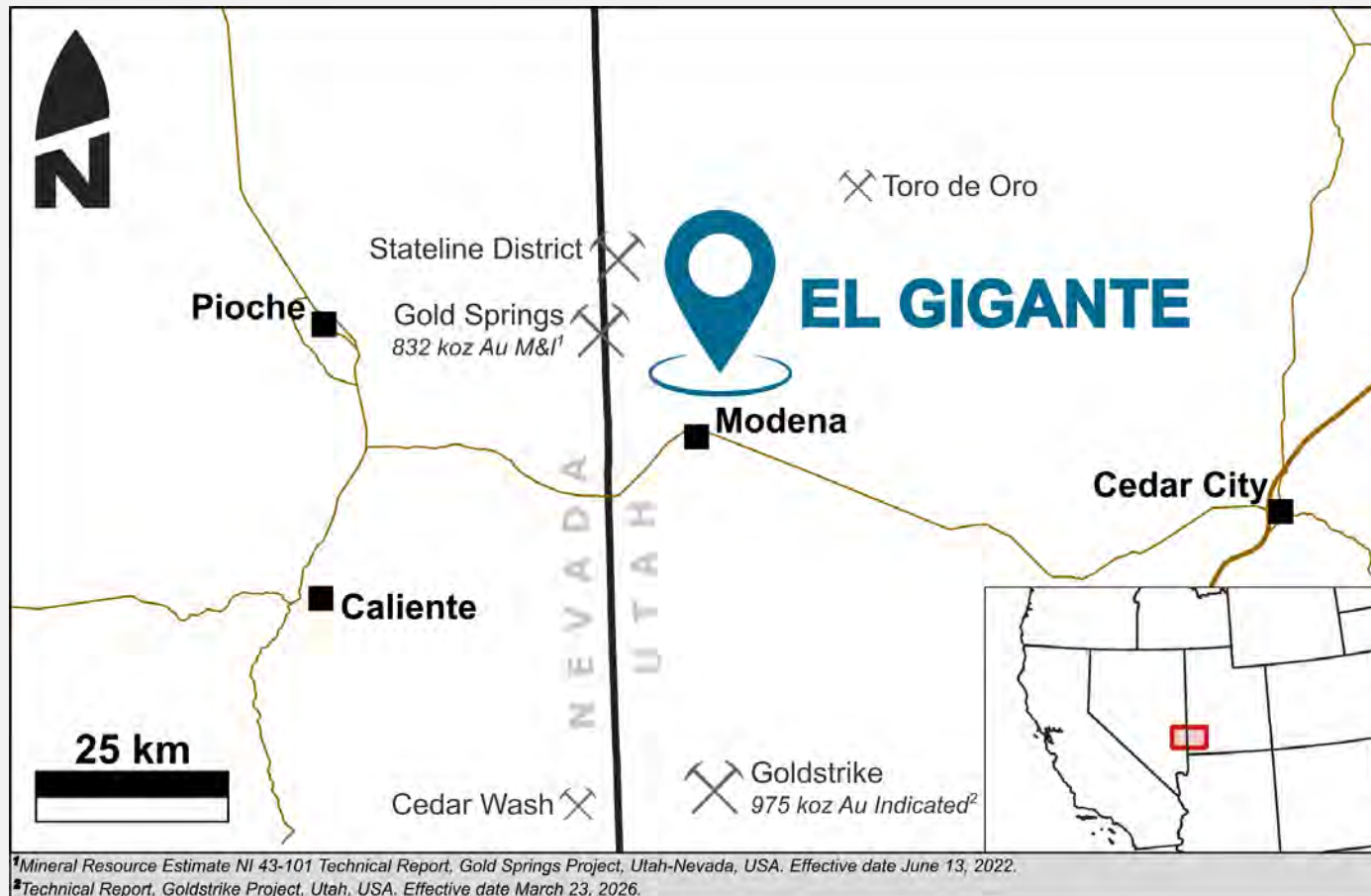
Forward Looking Information

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.

Although the Company believes the expectations expressed in such forward looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward looking statements. Factors that could cause the actual results to differ materially from those in the forward looking statements include market prices, exploitation and exploration success, and continued availability of capital and financing, and the general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward looking statements. Forward looking statements are based on the beliefs, estimates and opinions of the Company’s management on the date the statements are made. Except as required by securities laws, the Company undertakes no obligation to update these forward looking statements in the event that management’s beliefs, estimates or opinions, or other factors, should change.

Location

- 42 unpatented lode claims located on BLM ground covering approximately 3.4 square-kilometres
- 100% owned by Orogen
- Located in Iron County, Utah
- Located near emerging precious metal districts of southwest Utah



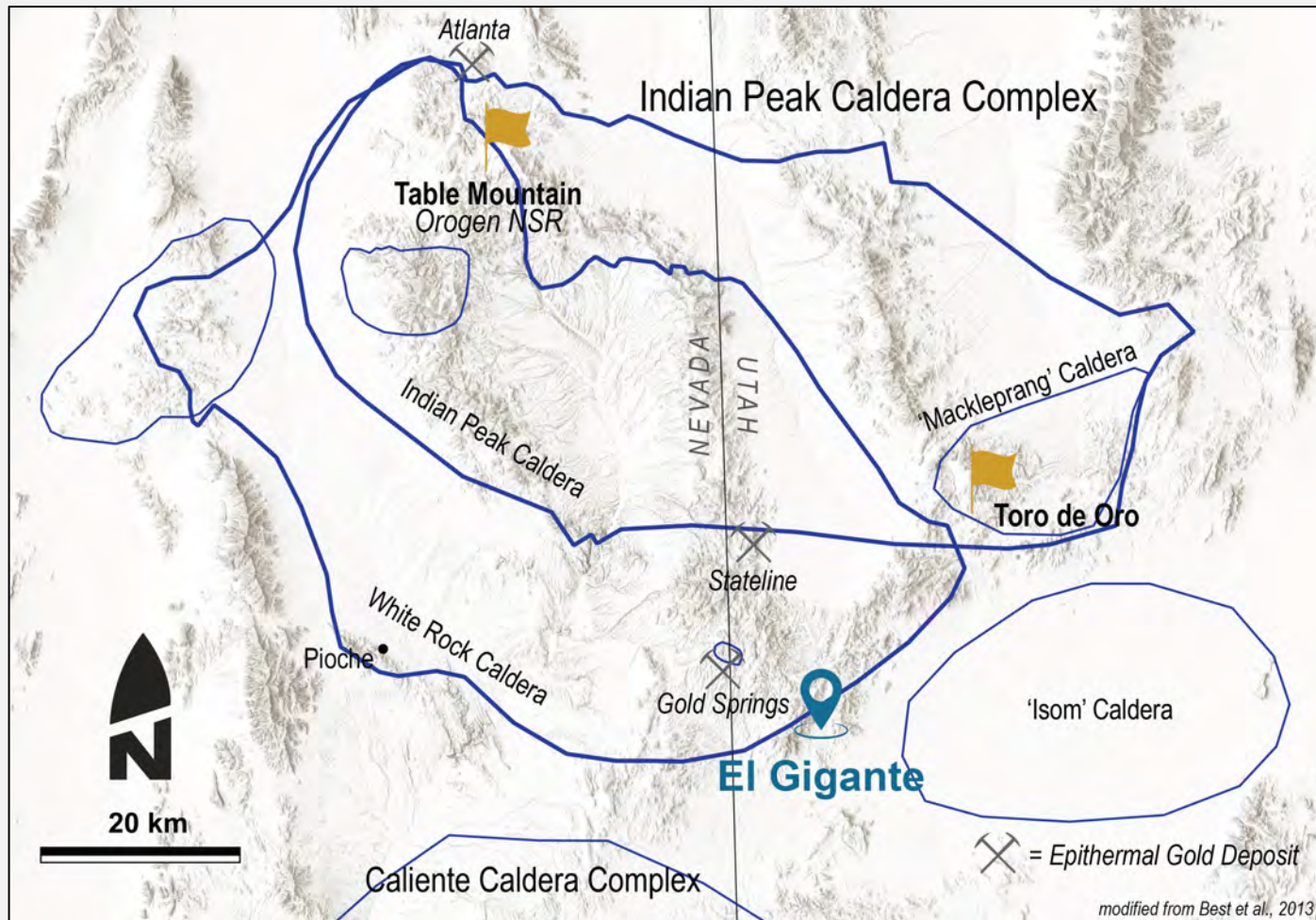
Project Summary

- Multiple-metre wide, ~300-500 metres long, low-sulphidation epithermal quartz veins exposed on surface
- Exposures yield anomalous precious metal values including 101 ppb gold
- Alteration mineralogy and quartz textures indicate only the shallow levels of a low-sulphidation system with potential for mineralization at depth
- Undrilled epithermal system
- Emerging mineral district in relatively unexplored SW Utah



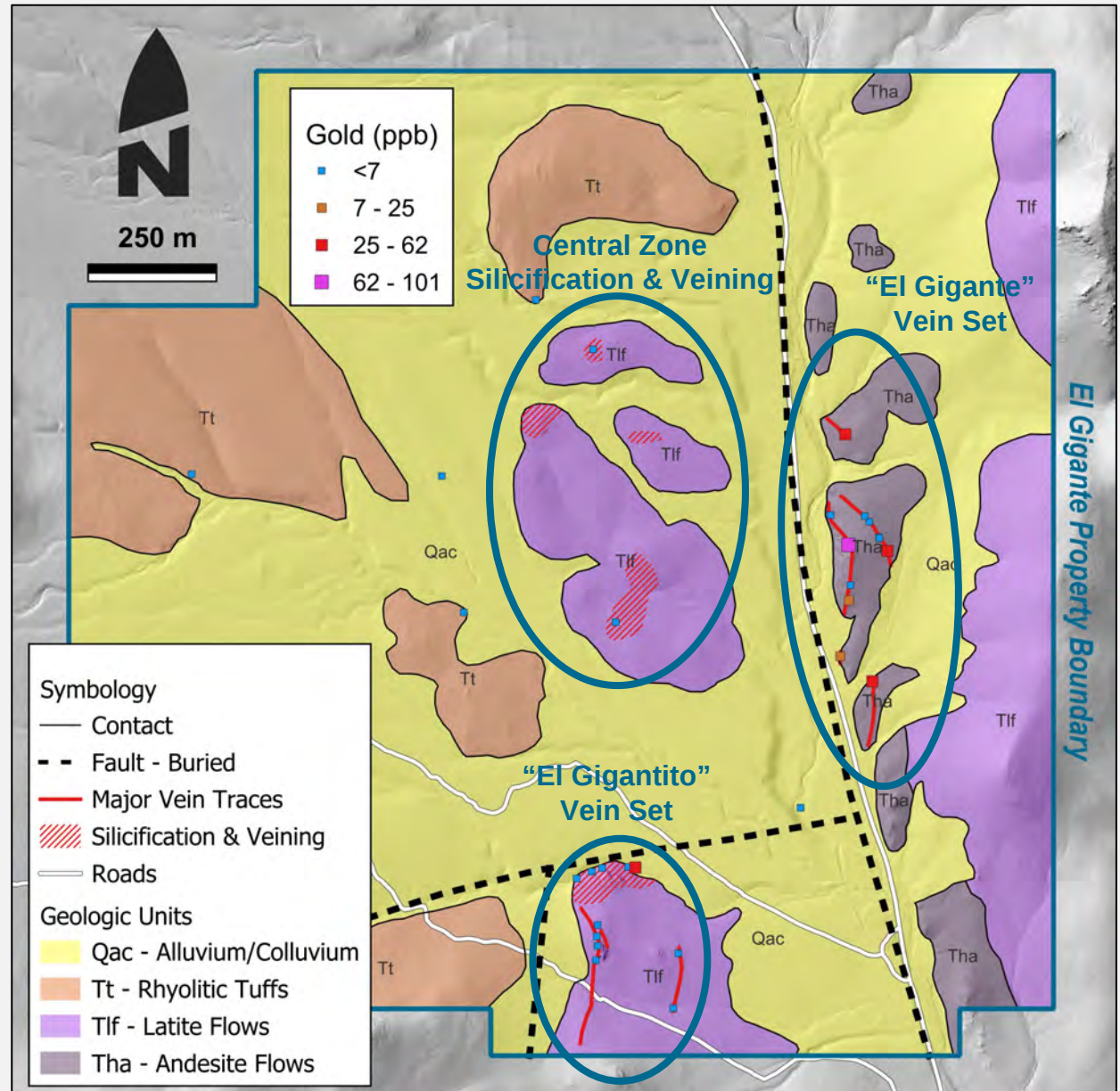
Regional Geology

- Located near the margins of White Rock Caldera and 'Isom' caldera
- Proximal to historical precious metals districts, Stateline and Goldsprings
- Thick package of early Miocene to Oligocene-aged ignimbrite tuffs and volcanic flow units within project area aged to approximately 13 Ma - 24.2 Ma, extensive alluvial/colluvial cover



Geology

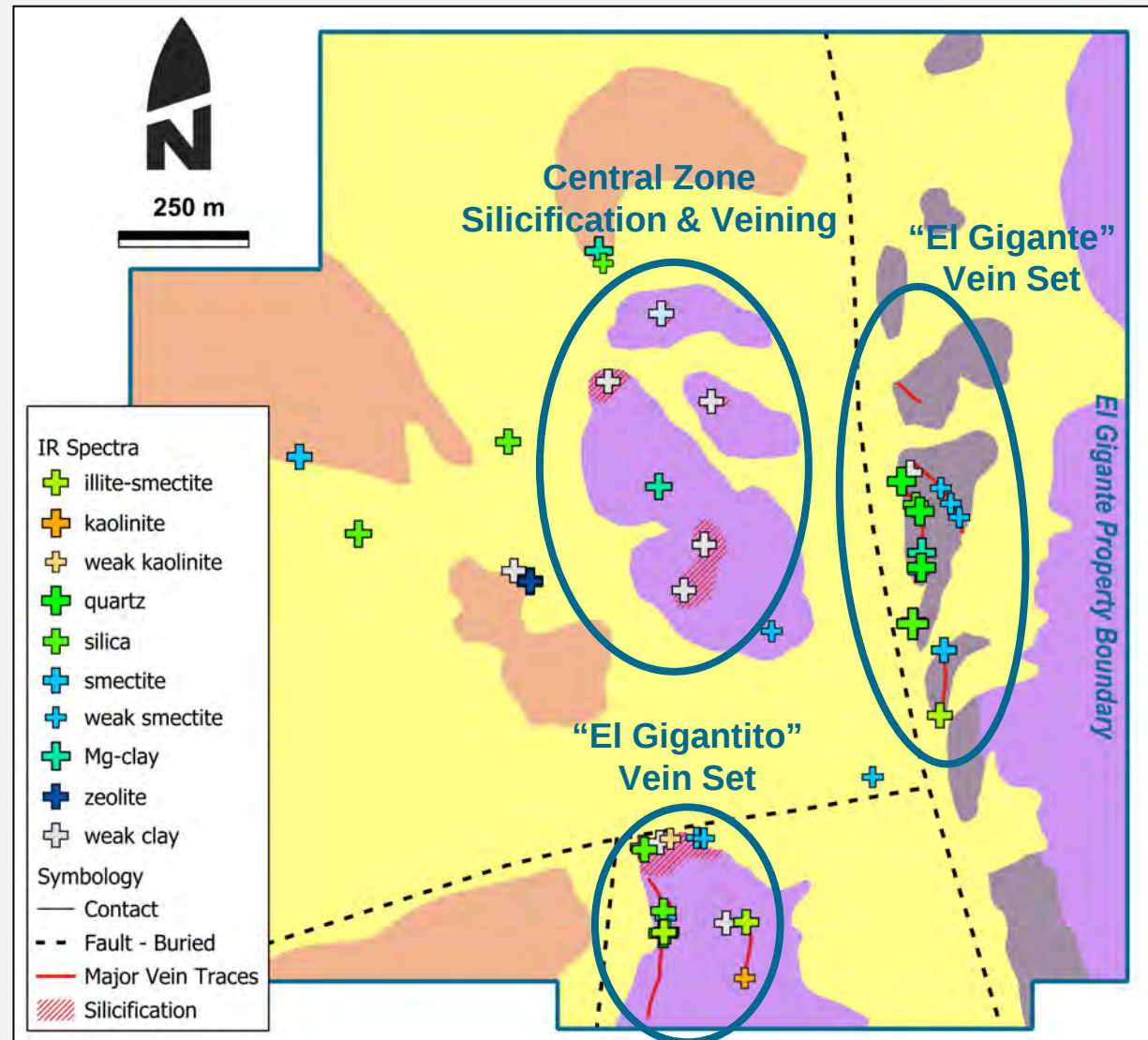
- Intermediate volcanic flows and tuffs host main quartz vein exposures
- Rhyolitic tuffs and flows are stratigraphically above and exhibit advanced argillic alteration (alunite-kaolinite) regionally
- Prominent north-south striking fault transects the property
- Extensive alluvial and colluvial cover between exposures
- Potential for an extensive system under cover



geology modified from Best, 1987

Alteration

- Alteration within wall rock of vein systems are silica – smectite dominated with proximal k-spar. Weakly crystalline illite is present in a few places
- Alteration mineralogy and textures suggest upper levels of boiling zone in a low-sulphidation system
- Potential for preservation and mineralization at depth
- Exposure of the upper levels of the boiling zone yield anomalous precious metals (up to 101 ppb Au & 2.12 ppm Ag)



Vein Mineralogy

- Two major vein sets at El Gigante: “El Gigante” & “El Gigantito”
- Vein systems strike mostly N-S with a westward dip
- Both vein sets display saccharoidal quartz textures, indicative of a lower temperature, higher-level expression
- Abundant quartz after platy calcite boiling textures, and banding, crustiform, and colloform quartz are present
- Observed boiling textures are overprinted and flooded with a later silica event, evidence for multiple hydrothermal stages



Overprinted, quartz after platy calcite



Crustiform and colloform quartz vein



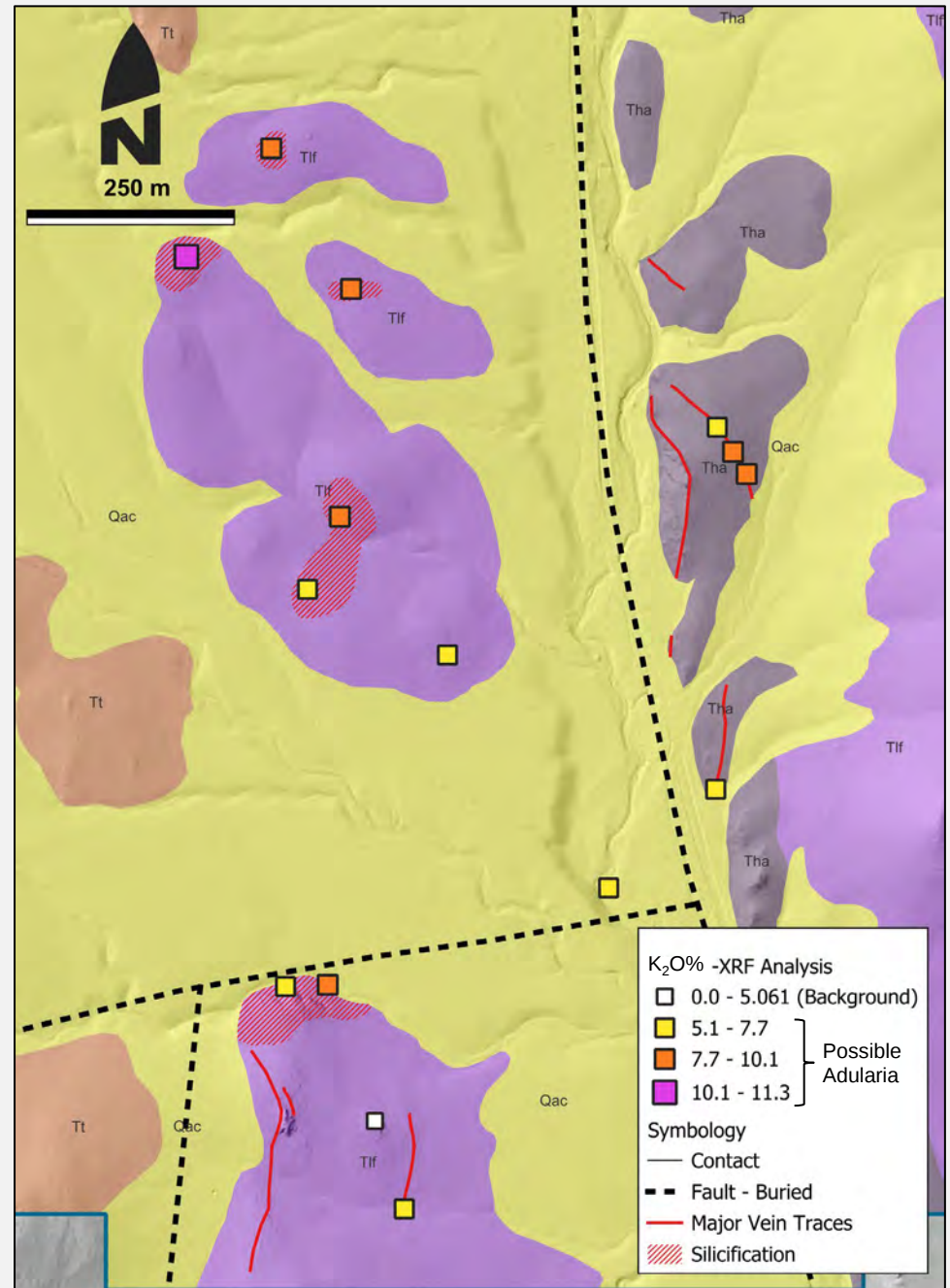
Quartz after platy calcite and vein breccia



3 meter wide, 350 m long, quartz vein exposure

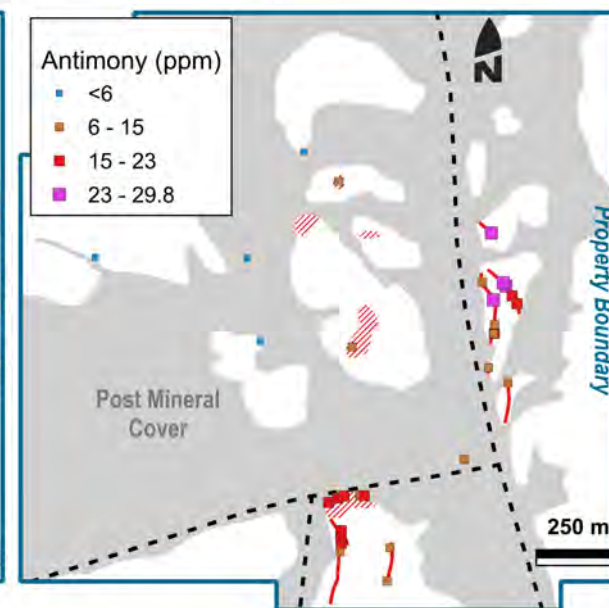
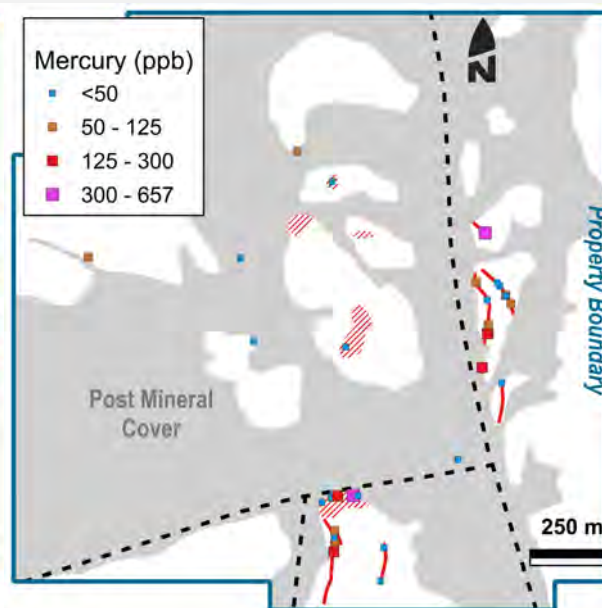
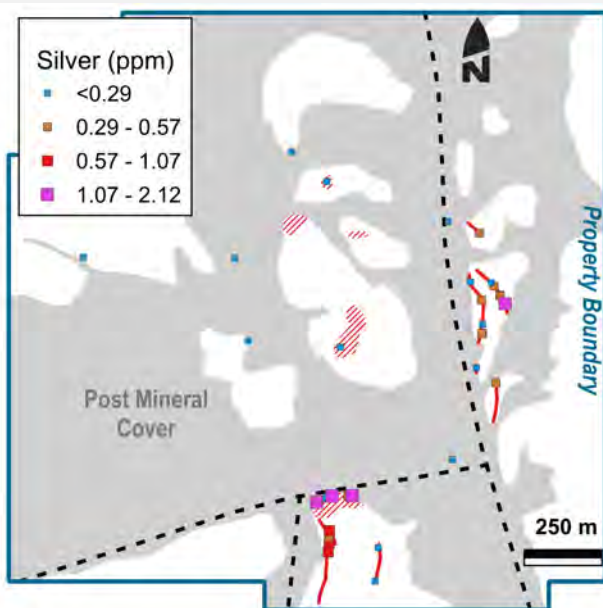
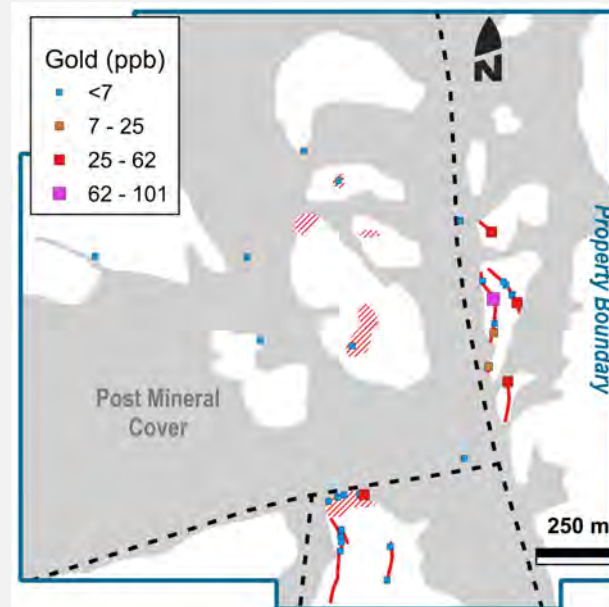
Alteration – Potassic Alteration

- Potassic alteration present as k-spar (adularia) has been identified in vein selvages and proximal to major and minor vein sets
- Potassium values were analyzed using handheld XRF device
- Select samples were elevated above background levels of K_2O percentages
- Potassic alteration indicates boiling, as corroborated by observed boiling textures within adjacent quartz veins
- Boiling zone is expected to extend to depth with potential for widespread mineralization

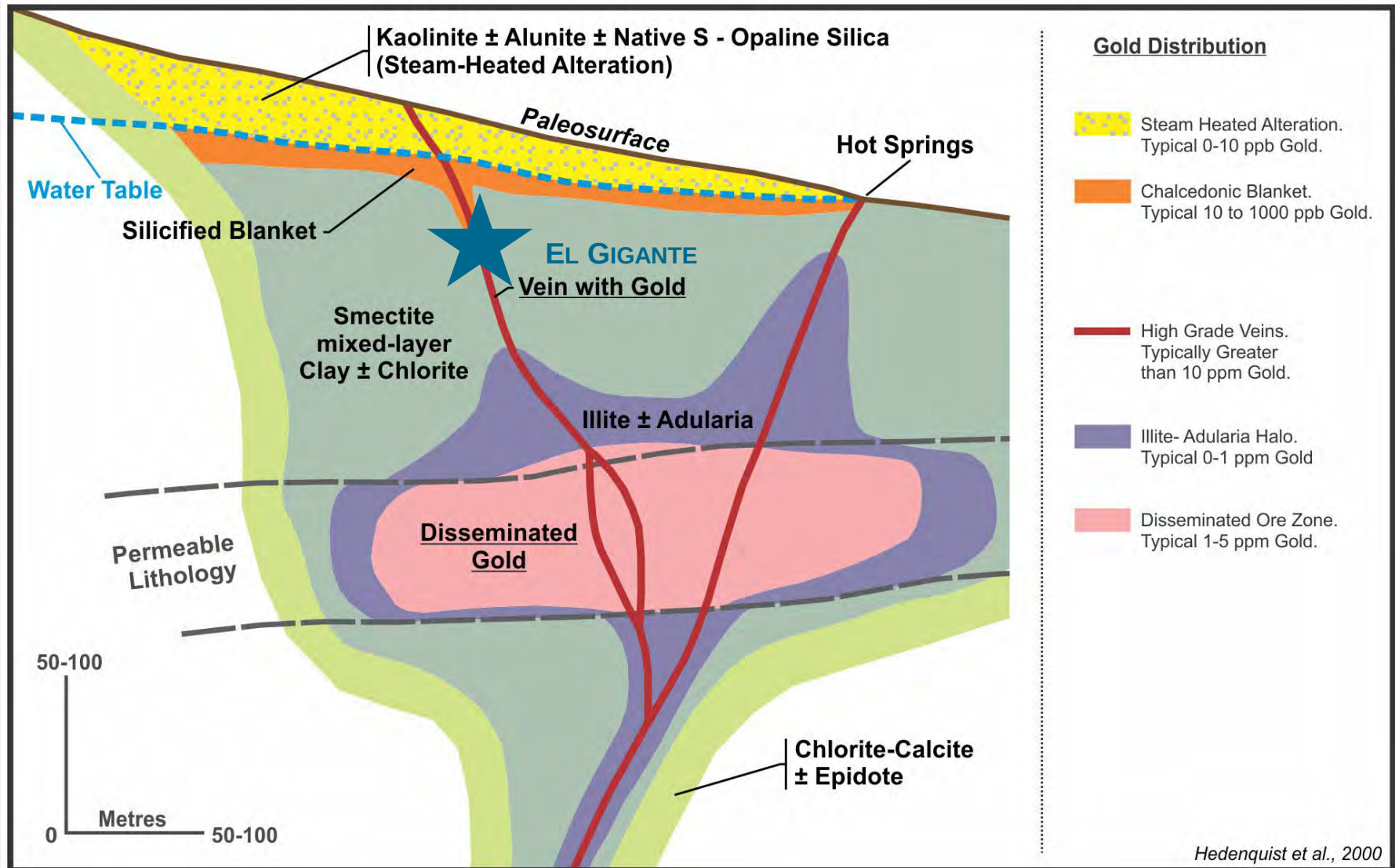


Geochemistry

- Up to 101 ppb gold and 2.12 ppm silver in 36 samples taken to date
- Widespread metal anomalism in silver, mercury, and antimony



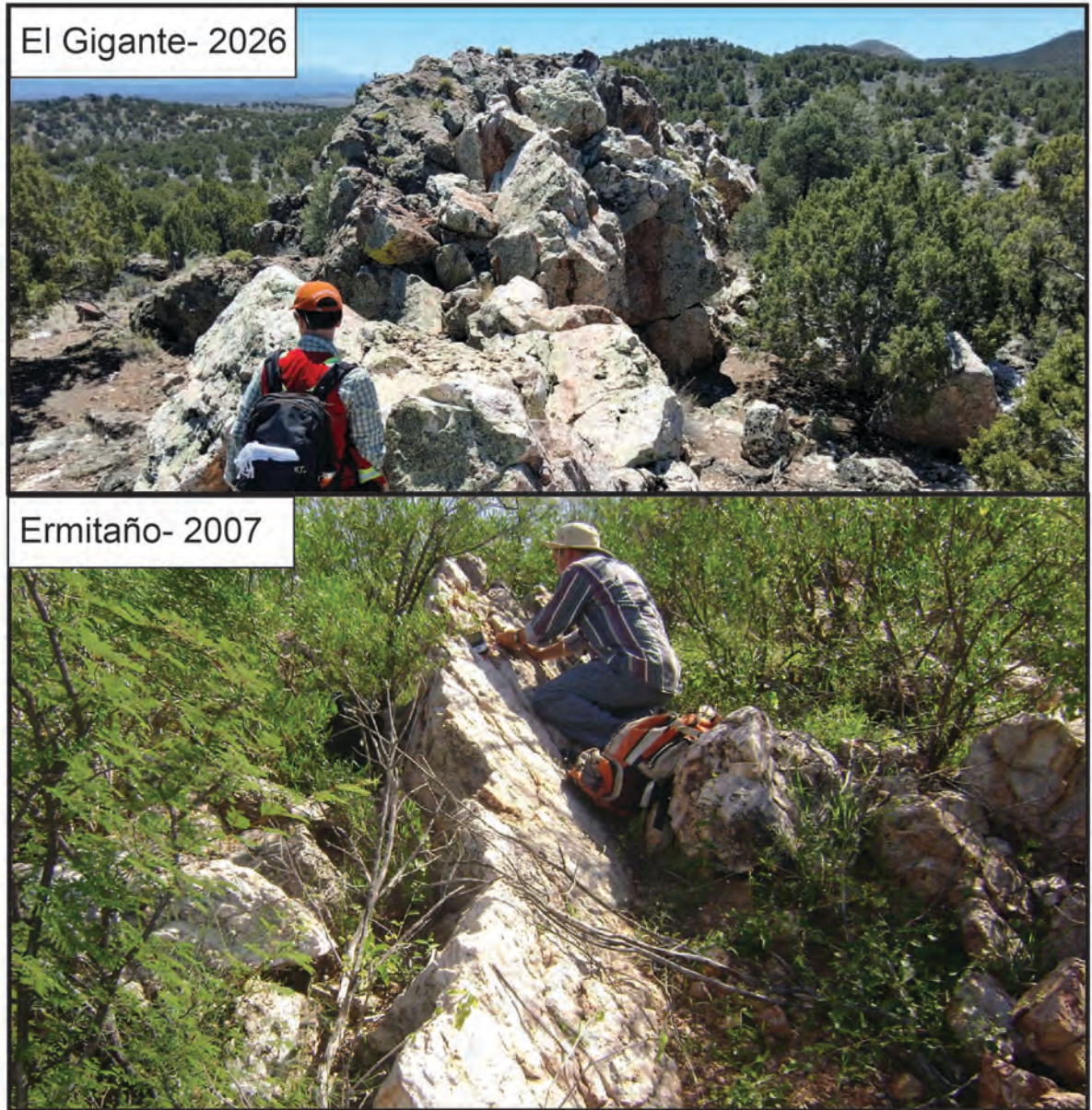
Deposit Model



Hedenquist et al., 2000

Deposit Model - Ermitaño

- El Gigante shares strong similarities to Ermitaño veins in Sonora, Mexico
- Ermitaño mine has produced 414,000 oz gold and 7.1 Moz silver as of 2025
- **Ermitaño and El Gigante:**
 - Mostly “barren” quartz veins on surface (initial surface sampling at Ermitaño returned a maximum of 70 ppb gold)
 - Massive saccharoidal quartz and quartz after platy calcite textures
 - Upper levels of boiling zone exposed on surface



Opportunity

- Untested, 300-500 metre long low-sulphidation quartz veins at surface yielding anomalous precious metals
- Alteration mineralogy and textures indicate upper levels of system with potential for preservation of mineralization at depth
- Strong veins appear to extend beneath cover
- Road accessible, BLM ground with well delineated targets





Contacts

Paddy Nicol

President & CEO

paddy@orogenroyalties.com

Laurence Pryer

Vice President Exploration

laurence@orogenroyalties.com

Michael Say

Senior Geologist

michael.say@orogenroyalties.com

TSXV:OGN OTCQX:OGNRF

orogenroyalties.com

