



ARIEL COPPER PROJECT: AVAILABLE FOR OPTION

Ariel Project (Cu) Sonora, Mexico

- Large 1,242 ha concession located 28 km ESE of La Caridad Copper Mine of Grupo Mexico (~10 Mt of Cu metal reserves);
- Year round access with paved roads to within 15 km of the project
- Favorable geological setting of Laramide-age volcanics and intrusive rocks is prospective for porphyry copper deposit; similar settings found at Cananea and La Caridad
- Ariel Concession claimed on the basis of an extensive satellite colour anomaly that is coincident with prospective geology
- Target Area for drilling has been defined but requires additional surface work such as IP and ground magnetics surveys for specific drill targets
- Strategically located at the eastern margin of the *Arizona-Sonora Porphyry Copper Province* where world-class porphyry Cu(-Mo) deposits are associated with Late Cretaceous volcanic and intrusive rocks that were emplaced during the ore-forming *Laramide* orogenic event.



Feldspar porphyritic andesite (L) and vesicular basalt (R)



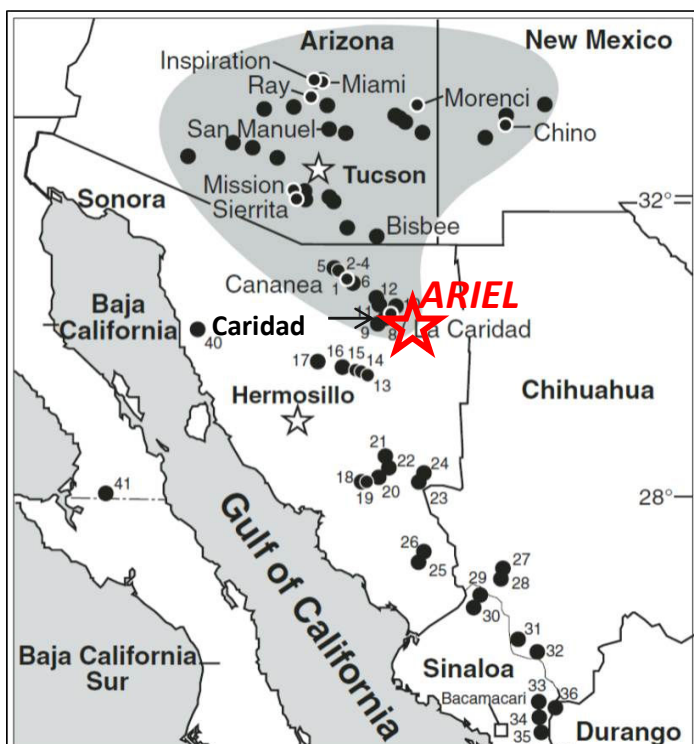
Tilted late Cretaceous arenites intruded by feldspar porphyry sill



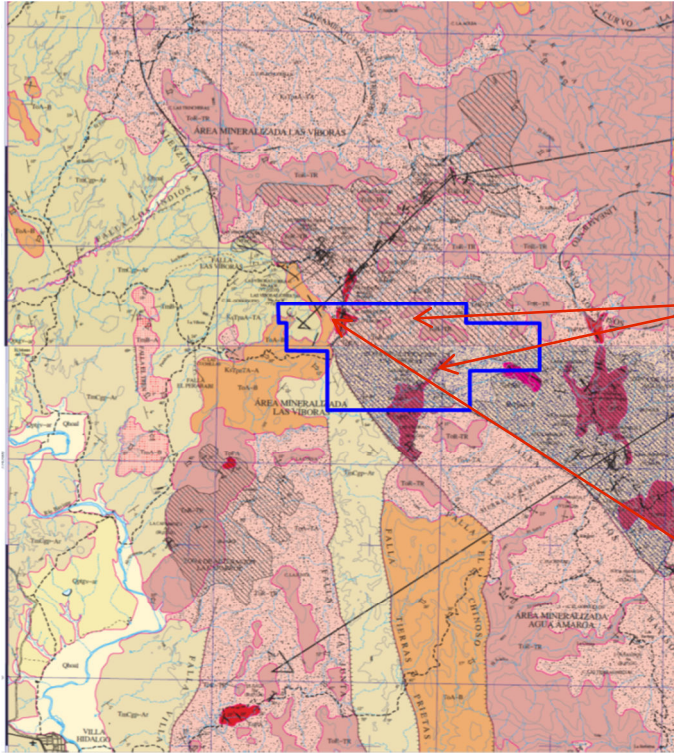
Copper in grab sample taken from Ariel project



Altered monzonitic intrusive rock with



Regional Geological Setting



- Ariel Property covers an eastward-tilted sequence of andesite to dacite flows, tuffs and sills of Late Cretaceous age that are locally overlain by Tertiary (Oligocene) rhyolitic volcanic units.
- Early Tertiary (Paleocene-Eocene) porphyritic intrusive stocks and sills of diorite and monzonite composition are exposed in the southern and northwestern parts of the property.
- Mid-Tertiary (Miocene) basalt and conglomerate occur west of NW-striking range-front faults that caused down-dropping of structural blocks to the west.

Exploration Program Identifying Porphyry Copper Targets

- Riverside collected ~300 rock samples, analyzing them with a portable XRF unit and a mineral spectra analyzer (*Terraspec*).
- Objective was to outline zones of higher temperature clay alteration potentially related to a mineralized porphyry system.
- Zones of dickite and sericite-illite alteration represent target areas warranting follow-up exploration work.
- Work program in place recommending IP survey and drill testing

