



## MORROS BLANCOS / PORPHYRY CU- MO - AU

### HIGHLIGHTS

- Morros Blancos is a large property (9,000 hectares) hosting several maar-diatreme complexes prospective for HS epithermal Au-Ag, and the undrilled, sub-cropping, Morro Colorado porphyry Cu-Au-Mo target
- Located along the Paleocene-Eocene copper and precious metals belt of northern Chile and southern Peru
  - Adjacent to the Amancaya Au-Ag mine, and along trend from the Guanaco and El Peñon Au-Ag mines, and the Spence and Sierra Gorda Cu mines
  - Paleocene Belt is host to major copper deposits in S Peru and N Chile
- Morro Colorado target comprises sub-cropping quartz-veinlet stockworks hosted in andesitic-dacitic volcanic sequences adjacent to rhyo-dacite domes and maar-diatremes
  - Coincident soil and trench geochemical anomalies – Mo, Bi, and other common porphyry copper pathfinders
- Rosario del Alto comprises at least 4 maar-diatreme complexes, with preservation of steam-heated zone within advanced argillic alteration assemblages
  - Potential for preserved, Au-Ag mineralised, vuggy silica zones at depth
  - Surface pathfinder geochemical anomalies

### TARGETS

- ✓ Morro Colorado porphyry Cu-Au-Mo drill target – sub-cropping
- ✓ Rosario del Alto maar-diatreme and HS epithermal Au-Ag targets – sub-cropping

### REGIONAL GEOLOGY

- The Paleocene-Eocene mineral belt extends over more than 1,500 km from southern Peru to central northern Chile, and parallels the Domeyko and Coastal mineral belts to the E and W respectively
  - The mineral belt is characterized by widespread Paleocene volcanic sequences and sub-volcanic porphyry intrusions and rhyo-dacite dome complexes, with large areas obscured by post-mineral Miocene gravel and volcanic cover
  - The belt is host to major porphyry copper deposits such as Quellaveco (Peru) and Spence (Chile), as well as major LS epithermal (e.g. El Peñon) and HS epithermal (e.g. Guanaco) Au-Ag deposits
- Local geology dominated by Paleocene volcanic rocks with maar-diatremes and rhyo-dacite domes

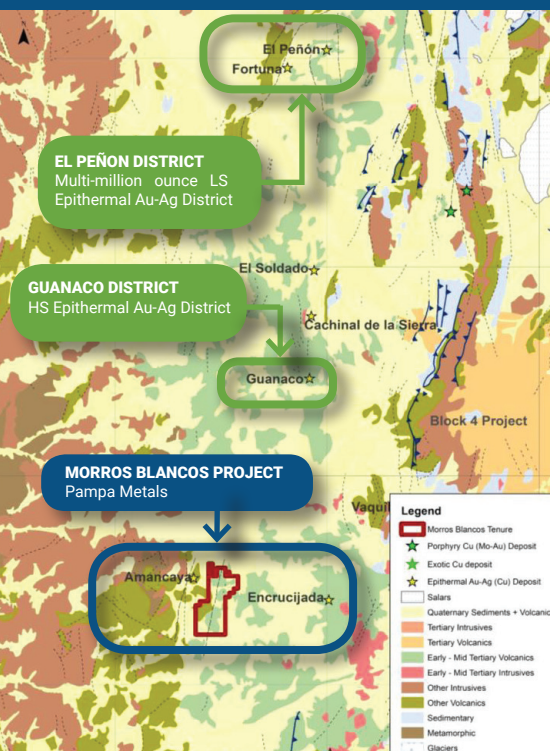
### LOCATION & ACCESS



Morros Blanco is located approximately 75 km east-southeast of the coastal town of Taltal and 225 km southeast of the port of Antofagasta, and is directly adjacent to the east of the Amancaya Au-Ag mine in northern Chile



Access to the property is easy, from Antofagasta or Taltal, from the Pan-American Highway (PAH), via a turn-off located at Agua Verde on the PAH, and then a short distance along a well-maintained dirt road that leads to the Amancaya mine operated by Austral Gold



## OTHER DETAILS

- Morros Blancos was subject to limited historic exploration with minor soil sampling, geophysics (magnetics), trenching, and minor, peripheral drilling, the results of which are available
- Widespread advanced argillic alteration in 3 main target areas within a 15 km NE-SW corridor
  - > Multiple phreatomagmatic brecciation events, including maar diatremes
  - > Both Morro Colorado (Cu-Au-Mo) and Rosario del Alto (Au-Ag) present drill-ready targets
  - > The southern alteration zone at Morro Blanco has not been mapped or sampled to date
- Most of the property is obscured by shallow talus and colluvial deposits

## COMMERCIAL DETAILS

- The property is currently subject to an Option and Earn-In Agreement with Austral Gold Ltd. (ASX: AGD / TSX-V: AGLD)
  - > Austral can earn up to an 80% interest by completing a bankable feasibility study on a gold-silver target, with intermediate earn-in stages at 60% and 65%
  - > Pampa Metals has a back-in right for copper

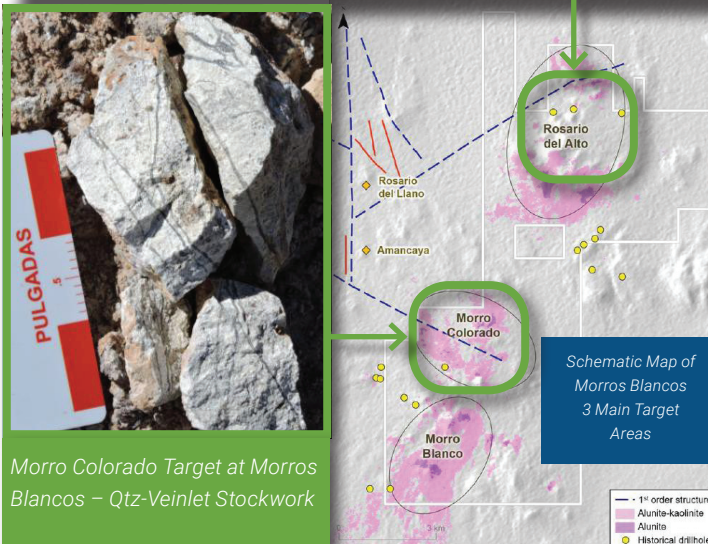
## WORK COMPLETED

- Detailed geological mapping, surface soil geochemical sampling, geophysics (magnetics, CSAMT), and limited shallow drilling at Rosario del Alto have been completed in 2021 and 2022

## PARTNER WITH PAMPA METALS

Pampa Metals has a dynamic portfolio of properties prospective for porphyry copper and epithermal gold-silver mineralisation, all located along the major mineral belts of northern Chile. Pampa Metals looks to secure investments at the corporate level and to partnering certain projects with 3rd parties that have funding.

*Technical information in this Project Summary has been approved by Mario Orrego G, Geologist and a Registered Member of the Chilean Mining Commission and a Qualified Person as defined by National Instrument 43-101. Mr. Orrego is a consultant to the Company.*



Morro Colorado Target at Morros Blancos – Qtz-Veinlet Stockwork

## PLANS

- ✓ Drill testing of Morro Colorado and Rosario del Alto targets.
- ✓ Mapping and Sampling of Morro Blanco target
- ✓ Possible property-wide IP geophysics

