



## BLOCK 4 - PORPHYRY CU- MO (-AU) NORTHERN CHILE

### HIGHLIGHTS

- Block 4 is a large property (6,600 hectares) hosting the undrilled, priority, sub-cropping, Buenavista porphyry Cu-Mo (-Au) target
  - > Coincident isolated magnetic anomaly
  - > Coincident IP chargeability anomaly
- Located along world's preeminent Domeyko Cordillera copper belt in northern Chile
  - > Midway between the giant Escondida and El Salvador copper-molybdenum (-gold) mining districts
  - > Domeyko Cordillera is host to 3 of the world's top 5 copper mining districts
- Buenavista comprises sub-cropping quartz-veinlet stockwork hosted in a dated Tertiary dacite porphyry with phreatomagmatic breccia, flanked by a quartz-sulphide breccia with Cu-oxides to the west and a skarn with coarse disseminated chalcopryite to the east
  - > Coincident soil and trench geochemical anomalies – Cu, Mo, Au and other common porphyry copper pathfinders
- Geophysical anomalies (coincident magnetics and IP chargeability) in post-mineral covered alluvial “pampas” represent additional targets at Block 4
- Maiden drill test at Buenavista commenced end Q1 2023

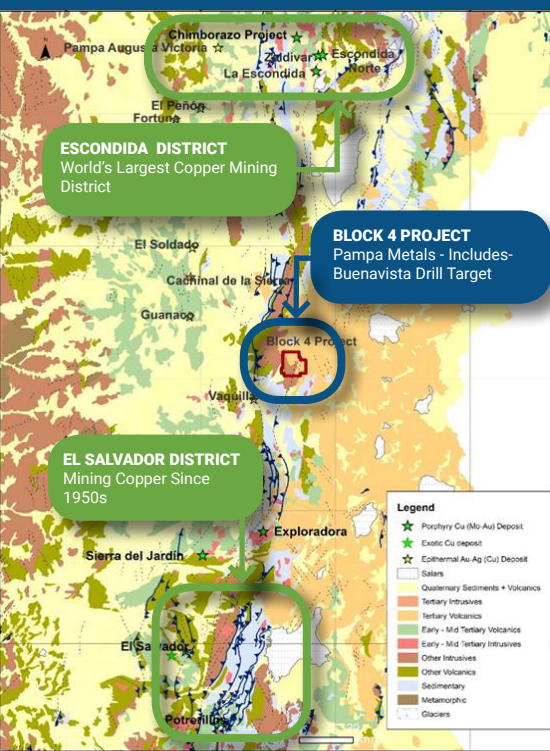
### TARGETS



Buenavista porphyry Cu-Mo (-Au) drill target – sub-cropping



Post-mineral cover obscured porphyry targets – geophysical anomalies



### REGIONAL GEOLOGY

- The Domeyko Cordillera mineral belt is a relatively narrow, north-south anastomosing fault zone with a complex structural history over + 600 km of the northern Chilean Andes, and includes uplifted blocks of Paleozoic to Mesozoic rocks and fault-controlled porphyry-related Tertiary magmatism
  - > Key Incaic deformation phase (~ 43Ma – 32Ma) associated with Middle Eocene to Early Oligocene magmatic arc, resulting in the emplacement of some of the world's largest porphyry copper deposits and the development of the world's single most productive porphyry Cu belt
  - > Including: Escondida: > 1Mt fine Cu / year – El Salvador: > 50Kt fine Cu / year
- Located along world's preeminent DLocal geology dominated by Paleozoic host rocks, and age-dated Early Tertiary porphyry at Buenavista

### ACCESS



Block 4 is located approximately 135 km east-northeast of the coasttown of Taltal and 220 km southeast of the port of Antofagasta, and about 110 km south of the Escondida mining district, in northern Chile



Access to the property is relatively easy, from Antofagasta or Taltal, from the Pan-American Highway (PAH), via a turn-off located 70 km north of Agua Verde on the PAH, and then an official graded dirt road that leads to Aguas Calientes. The dirt road passes directly by the historic Vaquillas mine and directly on to the Block 4 property, before continuing to Aguas Calientes

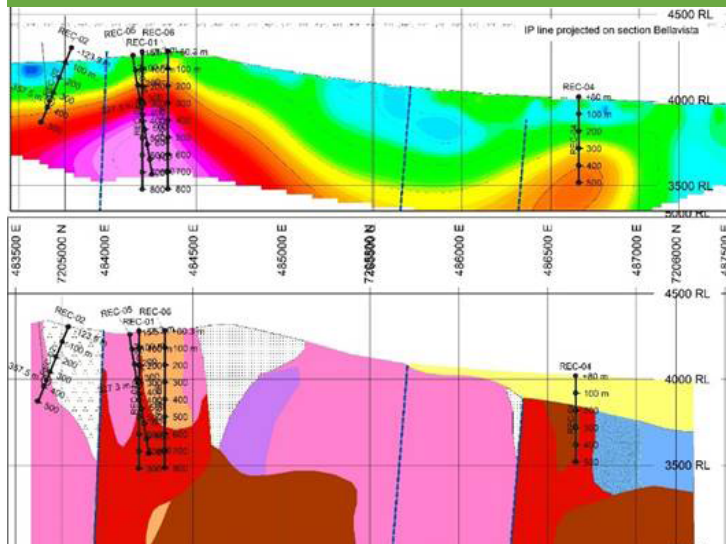


## OTHER DETAILS

- Block 4 subject to limited historic exploration with minor trenching and approximately 10 old (1990s?), wide-spaced reverse circulation drill holes, of unknown provenance and results
  - The key Buenavista target remains untested by drilling or other historic surface activity
- Much of property is obscured by talus and colluvial deposits, and by extensive post-mineral volcanic and alluvial “pampa” cover to E, S and N of Buenavista
- Pampa Metals has completed (in-house with all data available – including
  - Ground magnetics (Q4 2021 – extended in Q2 2022)
  - Trenching & sampling of central Buenavista target (> 200 samples – Q4 2021 / Q1 2022)
  - Reconnaissance style, wide-spaced, pole-dipole IP geophysical lines (5 E-W lines – Q2 2022)
  - Geochemical soil sampling (> 2,500 samples / 3.5 km x 3.5 km – Q3 2022)
- Results include (Buenavista Target):
  - Central, isolated magnetic anomaly, coincident with IP chargeability anomaly, and mapped Tertiary dacite porphyry and phreatomagmatic breccia with quartz-veinlet stockwork, and Mo geochemistry
  - Quartz-sulphide breccia with Cu-oxides to west and chalcopryrite skarn to east. Gold-silver anomalies.
- Additional Targets:
  - Magnetics data and IP data show coincident anomalies beneath postmineral cover to the east and south-southeast of the Buenavista target. More complex anomalies to the north



View of Buenavista Target Porphyry & Quartz-Veinlet Stockwork Zone, with Cu-Oxides in Pampa Metals' Trenches in Foreground



Schematic Section at Buenavista with IP Anomaly

## PLANS



Maiden drill test at Buenavista commenced end Q1 2023 – Property-wide IP survey contemplated

## 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 selected 3rd parties

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.

