

## Project: Santa Helena, Mato Grosso, Brazil (58,591 ha)

**Highlights:** Copper-in-soil anomaly 1.5km in diameter at Gabriel target (308ppm copper). 49 surface rock samples recently collected from four areas at Santa Helena recently returned gold and copper values up to 171.6 g/t gold and up to 0.81% copper. Porphyry-style alteration observed on surface.

• **Located <100km SW of Anglo American's Jaca copper porphyry discovery** which kicked off a staking rush in 2017 where Codelco, Nexa Resources, and Anglo staked the majority of the Juruena belt.

• **The project has never been the subject of any previous drilling by Altamira.** The sampling and mapping program suggests the presence of a mineralized system with copper and gold values along a distance of 6km E-W. The presence of a copper-in-soil anomaly at Santa Helena associated with a large-scale hydrothermal alteration system, as well as two significant gold-in-soil anomalies and numerous high-grade gold bearing structures and elevated copper and molybdenum values suggests significant potential for a concealed Au-Cu mineralized porphyry system at Santa Helena.

**Overview:** The geology consists of Nhandu granite in the southern and central portions, and Colider suite micro-granites in the northern parts. North to N-E trending diabase dykes are in part parallel to a broad NNE trending shear, hosting later brittle deformation, hydrothermal alteration, quartz veining and gold associated with sulphides. Several km-scale Au-in-soil anomalies over a 6 km trend associated with the broad shearing event **remain virtually untested**. The project is characterized by porphyry-style alteration and mineralization associated with gold mineralization on surface which the Company believes may be related to a concealed porphyry copper system.

• **196 soil samples were collected in the Gabriel area. Samples were collected on a grid spaced 100m N-S and 200m E-W.** This has identified a significant zone of anomalous copper values up to 308ppm which is 1.5km in diameter. Two existing gold-in-soil anomalies are in the Gabriel and Flecha Dourada areas and appear to be peripheral to the copper-in-soil anomaly at Gabriel. **The anomaly in the Gabriel area has a N-E trend and a surface expression of 1000m x 400m (gold-in-soil values range from 50 to 3,834 ppb Au).** The gold anomaly is located 1km west of the copper-in-soil anomaly. The second gold anomaly is located 2km to the S-W in the Flecha Dourada area and extends over an area surface of 750 x 500m.

