



# Porphyry Gold in Brazil

Corporate Presentation  
September 2024



TSXV: ALTA | OTC: EQTRF  
[altamiragold.com](http://altamiragold.com)



# Cautionary Statement

Certain statements contained in this presentation constitute forward-looking statements. These statements relate to future events or the Corporation's future performance, business prospects or opportunities. All statements other than statements of historical fact may be forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "plan", "continue", "estimate", "expect", "may", "will", "project", "predict", "potential", "targeting", "intend", "could", "might", "should", "believe" and similar expressions. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements. The Corporation believes that the expectations reflected in those forward-looking statements are reasonable, but no assurance can be given that these expectations will prove to be correct and such forward-looking statements should not be unduly relied upon. These statements apply only as of the date specified. The Corporation does not intend, and does not assume any obligation, to update these forward-looking statements.

These forward-looking statements involve risks and uncertainties relating to, among other things, results of exploration activities, uninsured risks, regulatory changes, defects in title, availability of materials and equipment, timeliness of government approvals, changes in commodity and, particularly, gold prices, actual performance of facilities, equipment and processes relative to specifications and expectations and unanticipated environmental impacts on operations. Actual results may differ materially from those expressed or implied by such forward-looking statements.

The technical information in this document has been reviewed by Guillermo Hughes, FAIG and MAusIMM., a consultant to the Company as well as a Qualified Person as defined by National Instrument 43-101.

# Why Altamira?

**First mover in Alta Floresta Belt** in northern Mato Grosso state, emerging preserved porphyry province. Maria Bonita porphyry gold discovery

**6 projects** covering ~160,000 hectares over a prolific historical gold district

**Strong management & board** with a track record of raising capital, grass-roots gold discoveries and creating value

**Cajueiro project:** Indicated resources of 5.66Mt @ 1.02 g/t gold (185,000 oz) and Inferred resources of 12.66Mt @ 1.26 g/t gold (515,000oz)

Recent **Maria Bonita** discovery 7km from Cajueiro resource

**Apiacas project:** disseminated intrusive-related gold mineralization in 3 identified centres with bulk tonnage potential. Largest placer gold camp in the belt with historic artisanal production of 1Moz

**Santa Helena project:** untested copper-in-soil anomalies associated with outcropping porphyry-style alteration. Located 60km SW of 3<sup>rd</sup> party porphyry copper discovery



# Strong Management & Board



Michael Bennett	President & CEO, Director	Geologist with over 35 years of industry experience (30 in South America); resides in Alta Floresta, Brazil. Directly responsible for the Cajueiro, Coringa, and Puquio North gold discoveries in Brazil and Bolivia. Previously worked in gold joint ventures with Rio Tinto, Barrick and Goldfields of South Africa
Alan Carter, PhD	Chairman	30 years of industry experience, formerly employed by Rio Tinto and BHP Billiton. Co-founder of Peregrine Metals (acquired in October 2011) and Magellan Minerals (acquired May 2016). Directly involved with 4 gold discoveries in Brazil. President and CEO of Cabral Gold
Ian Talbot	Director	Lawyer and geologist with over 25 years of experience in the mining industry; current CEO of Arcus Development Group. Former in-house counsel at BHP Billiton World Exploration
Ioannis Tsitos	Director	Physicist and Geophysicist with over 25 years of experience in the metals exploration industry, 19 of which with BHP Billiton.
Pieter Le Roux	Director	Chartered Accountant with significant finance, policy, legal, regulatory experience across a range of jurisdictions including Canada and Brazil. From 1997 to 2017, he was employed by BHP in a variety of senior executive roles. Non-executive director of International Gulf Mining
Andrei Santos	Director	Lawyer with 18 years of experience; currently provides financing, trading and operational expertise in his capacity as an Executive Director of Salinas Gold, a profitable Brazilian gold producer
Jon Coates	VP Exploration	Geologist with over 45 years of international experience in the minerals industry, mainly in exploration and project development. He spent 30+ years with BHP and predecessor companies, residing in 13 countries and was Exploration Manager, Latin America and Chief Geoscientist for the company's global Minerals Exploration division. Non-executive director of Danakali Ltd.

# Corporate Snapshot

10.3M

Shares owned by CEO

C\$1.25M

Invested by  
management thus far  
at average of C\$0.10

15.7%

Crescat Portfolio  
Management LLC ownership  
of outstanding shares

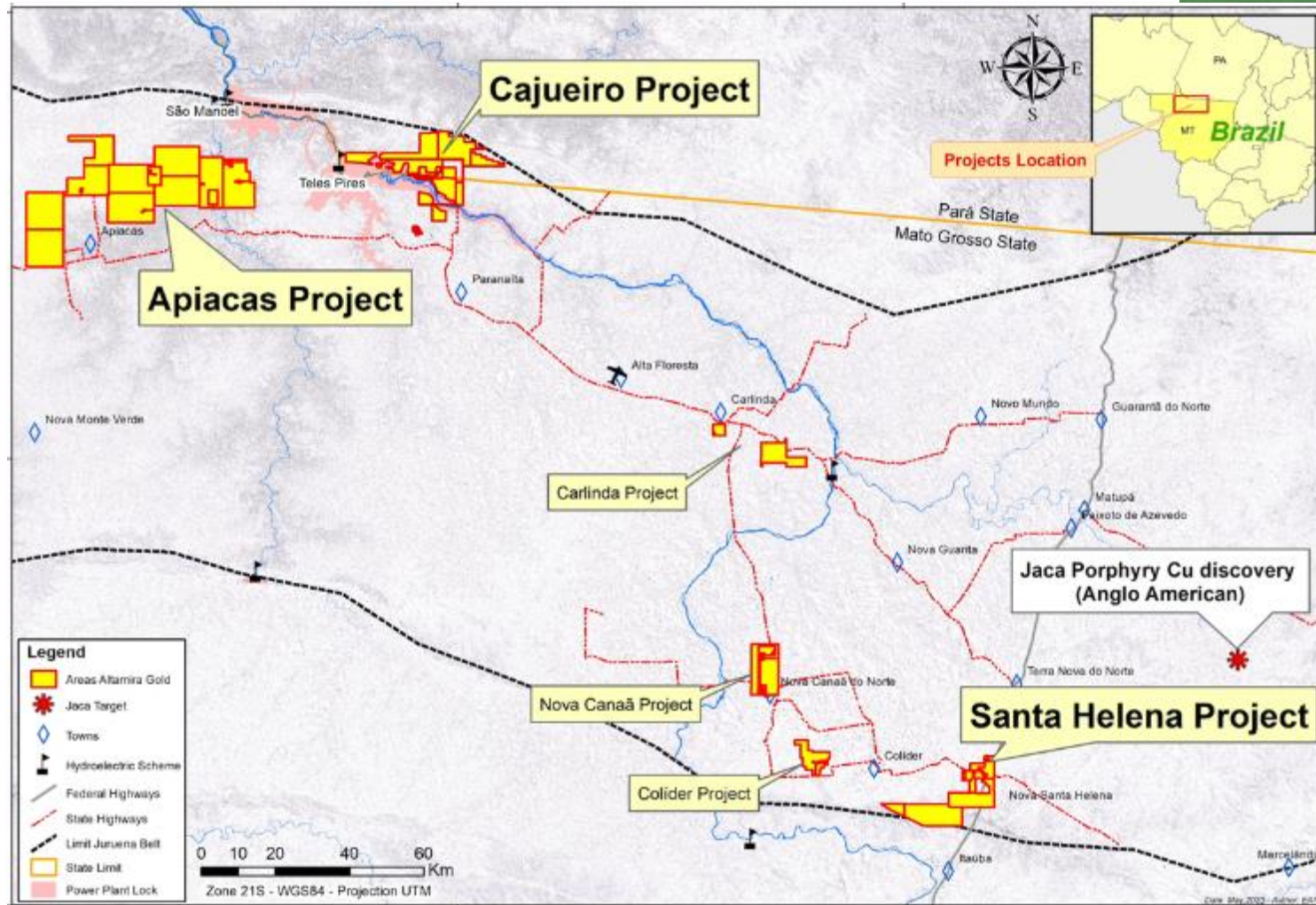
## Capital Structure

Shares Outstanding	211,977,286
Options	16,255,000
Warrants	47,529,400
Fully Diluted	275,910,186
Market Cap (as at Sep 3, 2024)	C\$21,197,729



TSXV: ALTA | YTD | Stock Chart

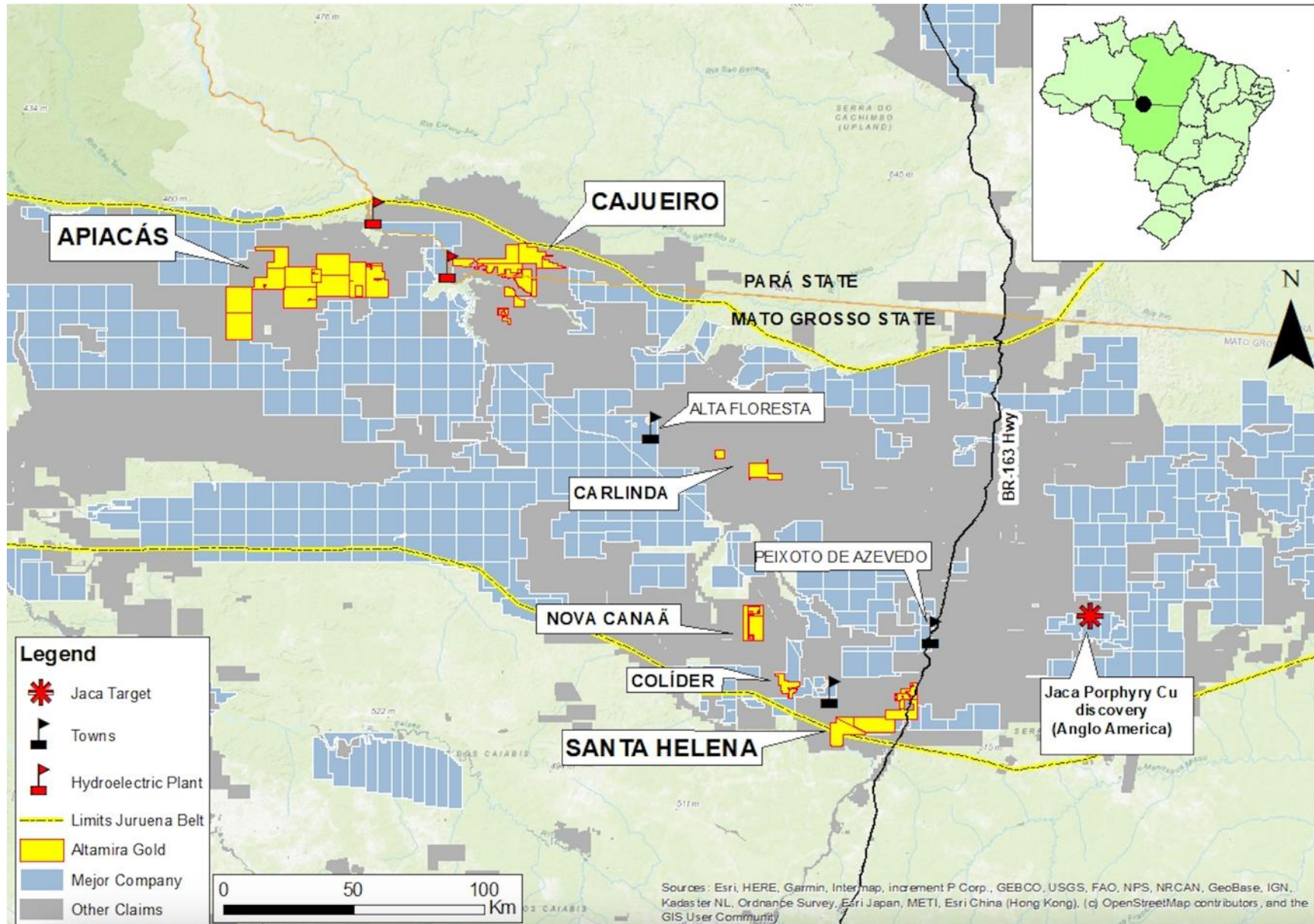
# Property Location



Regional location of Altamira's projects in Alta Floresta belt

- 7-10Moz of historic placer gold production from Alta Floresta belt. Altamira controls 190,000ha
- Recent porphyry copper deposit (Jaca) discovered by Anglo American
- Excellent infrastructure, daily flights to Alta Floresta
- Cattle and grain production region
- Local hydropower and water

# Alta Floresta Belt Claim Holders



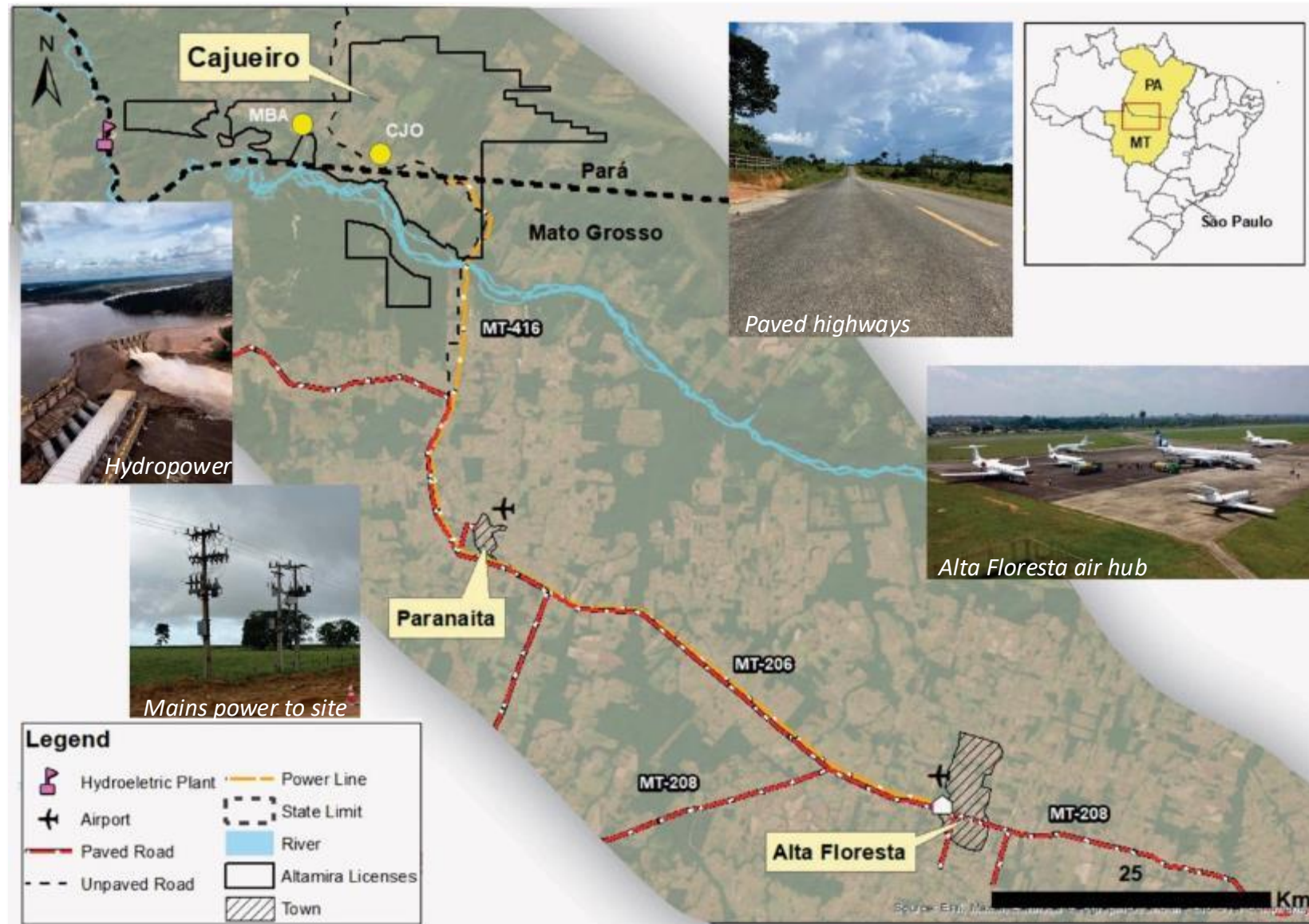
- Alta Floresta Belt tightly held
- Several majors took significant positions following discovery of Jaca Cu porphyry in 2018
- ALTA holds 6 separate project areas in some of the most prolific former alluvial production areas



# CAJUEIRO PROJECT



# Cajueiro Project – Infrastructure



- Project is located 1.5 hours drive from regional airport with regular scheduled flights to Sao Paulo via Cuiaba
- Excellent network of paved highways
- Grid power – transmission line traverses project. Major national hydropower project 20km west of project
- Water available locally

# Cajueiro Project

- **Historic placer gold production** of +250,000 oz in 1980's and 1990's. One of largest placer camps in Alta Floresta Belt
- **Large untested land package** – 22,934ha located in states of Mato Grosso and Para, Brazil
- **Existing Resource\*** - reported under NI 43-101 totaling:

	Oxide Resources	Sulphide Resources
Indicated	0.85Mt @ 0.92g/t Au	4.81Mt @ 1.04g/t Au
Indicated oz	<b>25,000 oz gold</b>	<b>161,000 oz gold</b>
Inferred	1.67Mt @ 1.12g/t Au	10.99Mt @ 1.29g/t Au
Inferred oz	<b>60,000 oz gold</b>	<b>456,000 oz gold</b>

- **Favorable Metallurgy** - Metallurgical testing returned gold recovery rates of **93.7% to 96.2%** from gravity and cyanide leaching. Further work in progress
- **Significant Upside – Existing Cajueiro** resource open at depth and along strike. Gold price used for resource estimate currently appears very conservative at \$1,500/oz
- **District potential underlined by Maria Bonita porphyry hosted gold discovery** –best result 146m @ 1 g't Au from 23m

\* 43-101 Technical Report Cajueiro Project Mineral Resource Estimate States of Mato Grosso & Pará, Brazil dated 22nd November 2019. The resource estimate utilizes all exploration information to Nov 2019 which includes 13,390 m of diamond core drilling and 5,282 m of surface trenches. A capping analysis of the assays was performed, resulting in 5 domains being capped to values between 5 and 10 g/t gold. Gold grade was estimated into a 5m x 5m x 5m (x,y,z) block model using inverse distance squared. The mineral resource statement is confined to a defined pit shell using the Lerchs Grossman algorithm to determine the economic limits for potential mineral extraction. Constrained gold resources were determined using mining shapes based on a \$1,500/oz gold price. Resources falling within the pits were reported above cut-off grades of 0.25 g/t Au. Recoveries were assumed to be 92% based on the metallurgical test work completed to date. Mining costs used were US\$2.00/t for fresh rock, and US\$1.50/t for saprolite; with US\$12.00 per tonne of ore for processing. The pit slopes selected were 45° for saprolite and 55° for fresh rock. Measured densities were 1.8g/cm3 for the weathered rock and 2.6 g/cm3 for fresh rock.



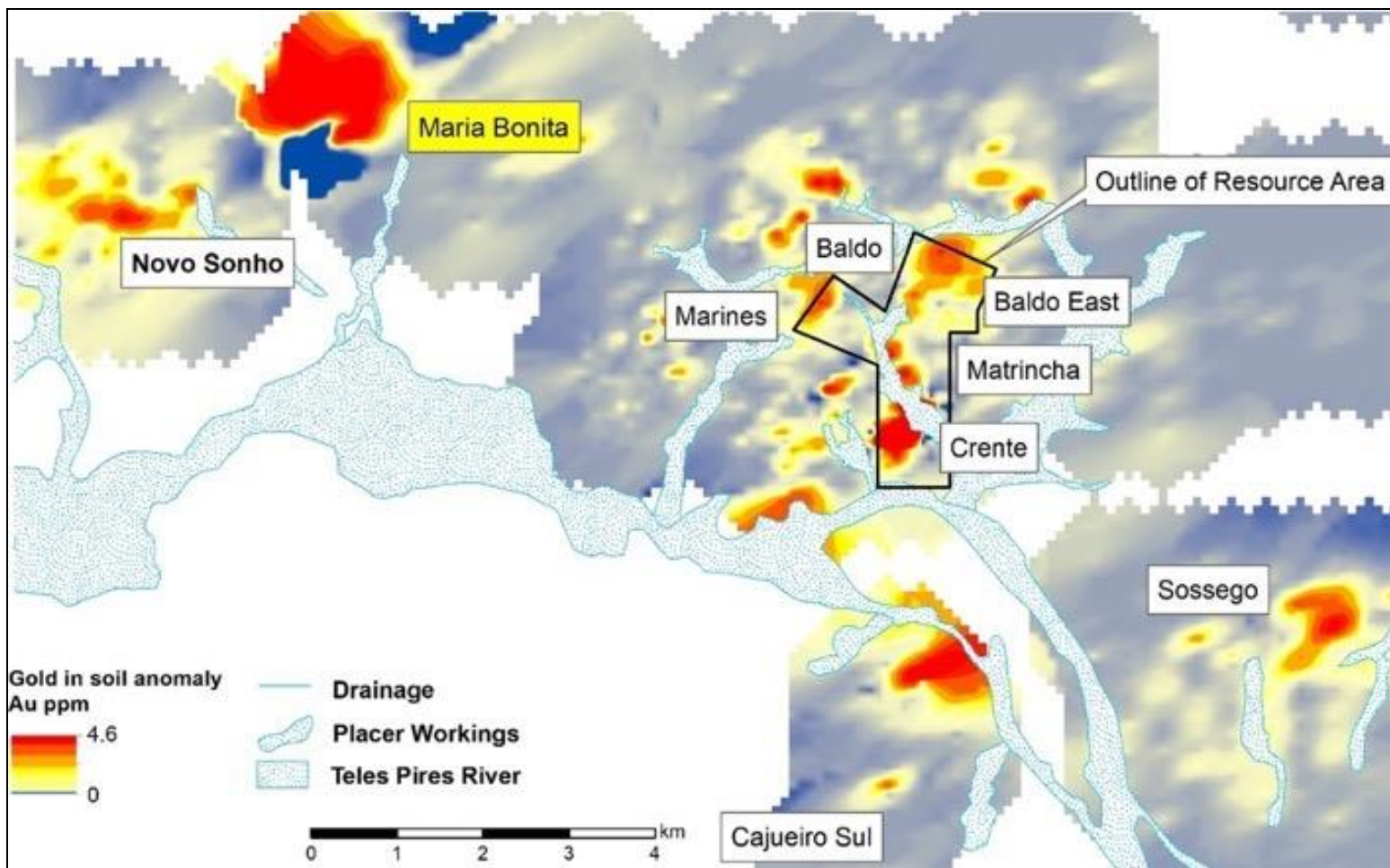
Drill core from the Crente zone, Cajueiro project



Trenching at the Baldo zone, Cajueiro project

# Cajueiro

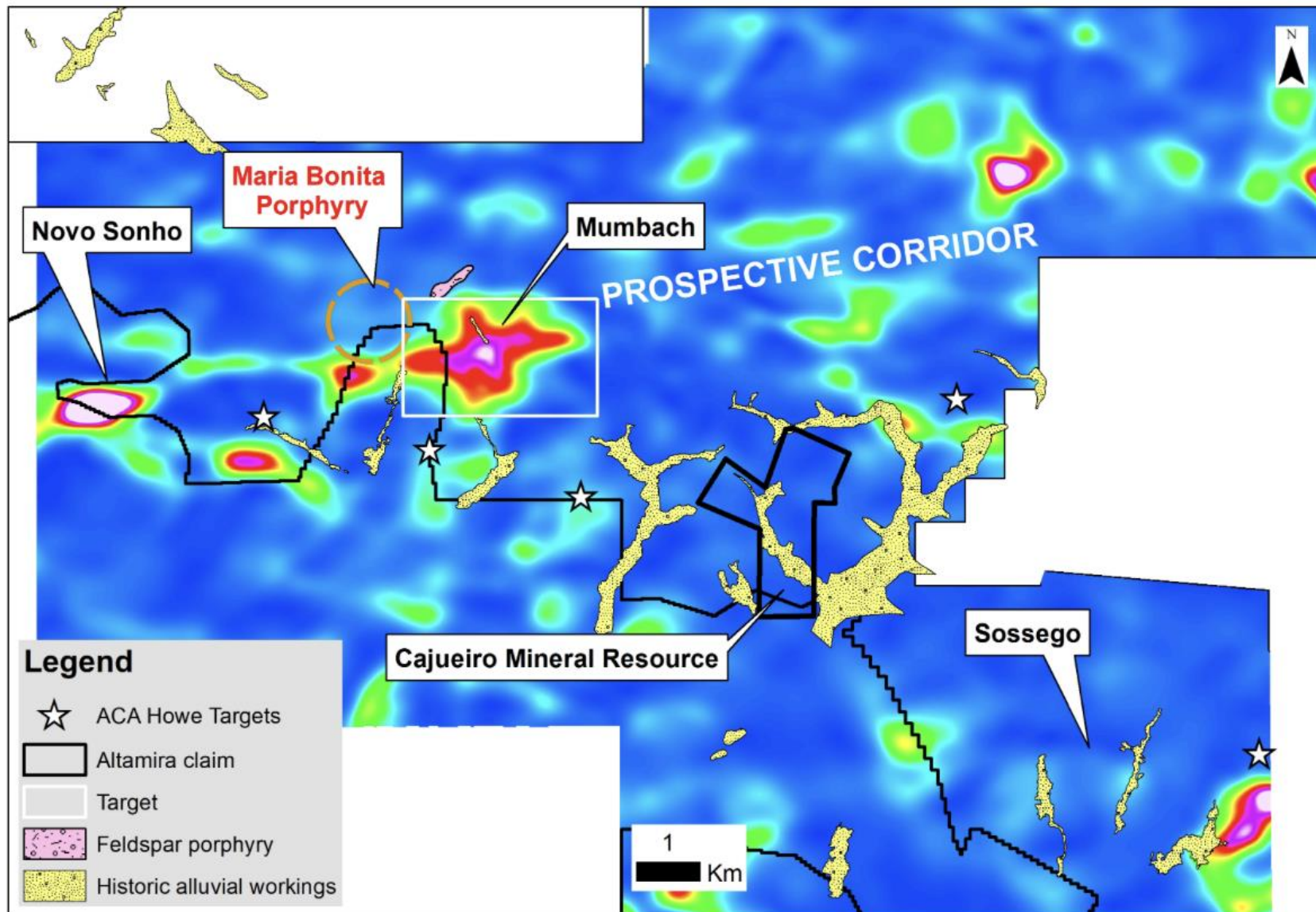
## Mineral Resource – one of several anomalies



- Cajueiro project area includes 18km section of Teles Pires river with tributaries worked for alluvial gold by garimpeiros
- First systematic exploration of the district
- Mineral resource reported to NI 43-101 remains open in various directions
- Well defined soil anomalies over sub-cropping mineralization
- Ongoing exploration for more subtle expressions of potential buried porphyry targets
- Discovery of porphyry gold deposit at Maria Bonita in the **first of the soil anomalies outside Cajueiro** resource to be drill tested.
- Maria Bonita lies 7km to west of Cajueiro resource – with existing road linkage

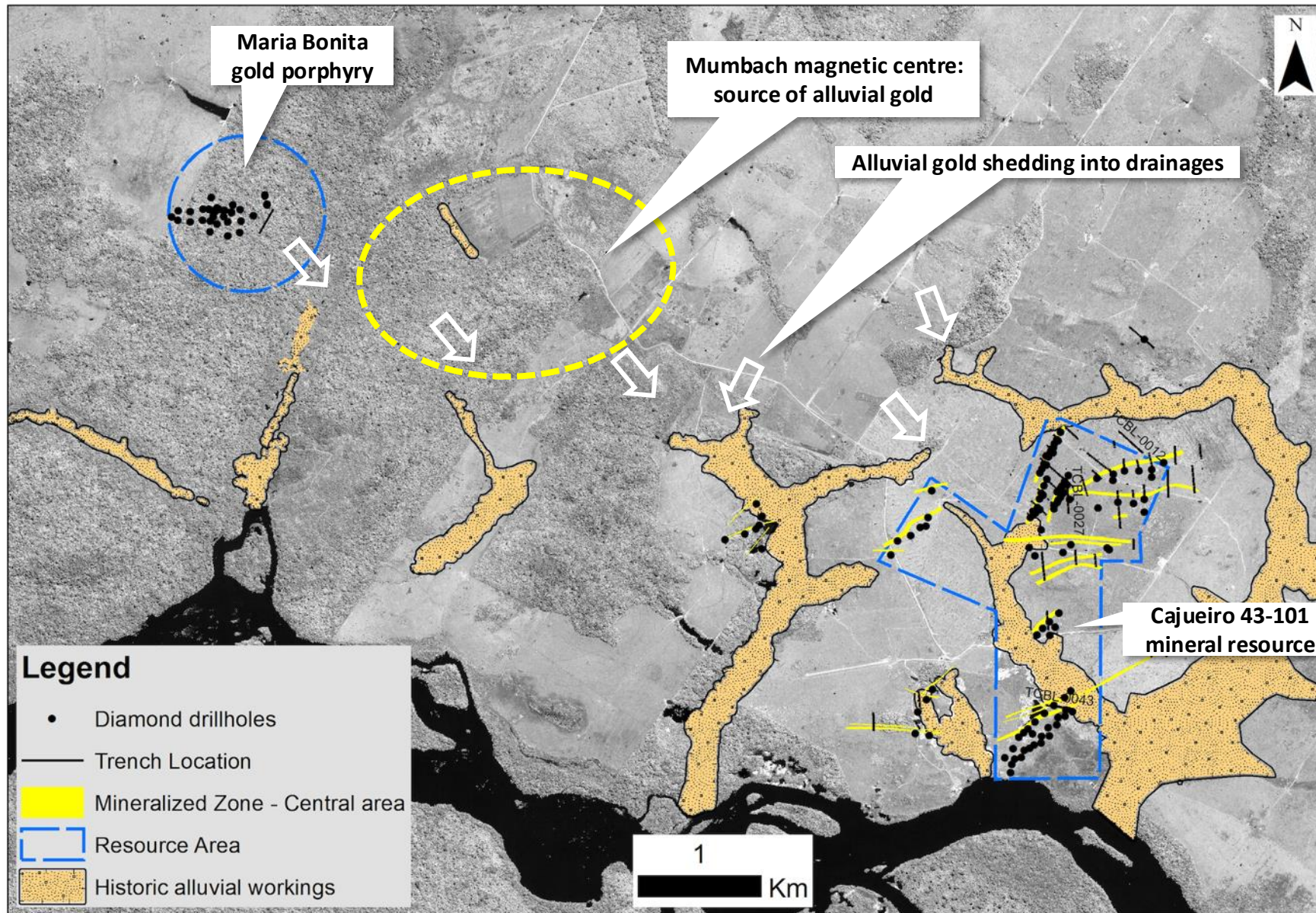
Cajueiro project area and distribution of placer gold workings, gold-in-soil anomalies and area of current resources. Location of Maria Bonita porphyry gold discovery. Numerous gold-in-soil anomalies remain untested including Novo Sonho and Sossego

# Intrusive centres identified by aeromagnetics



- Possible intrusive centres below mapped felsic volcanics and intrusives
- Focus for follow-up exploration via mapping and soil sampling
- ACA Howe selected structural loci of interest for porphyry style mineralization from regional satellite imagery study

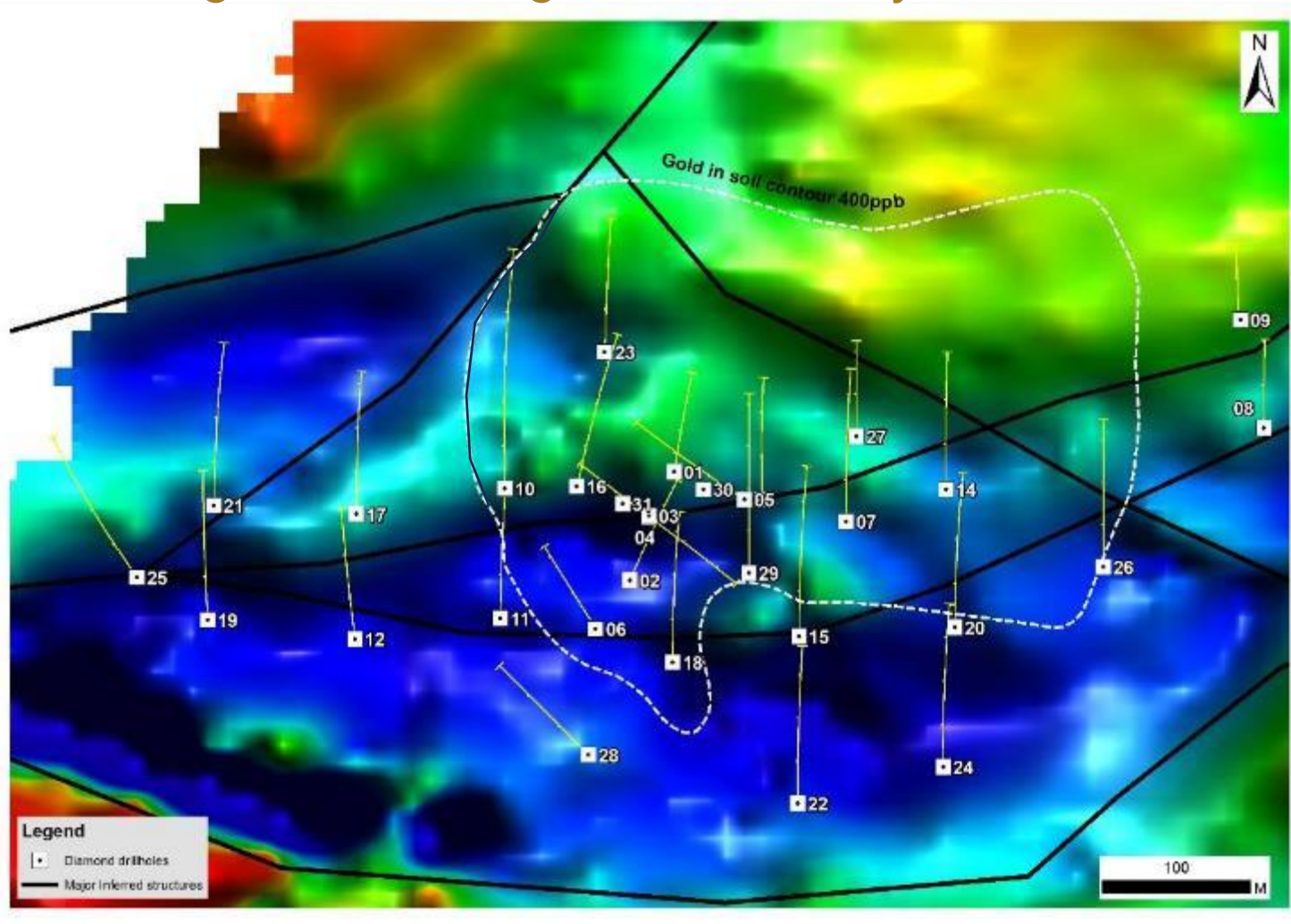
# Cajueiro District Potential



- Alluvial gold source in every tributary for 12km along Teles Pires river
- Garimpeiros were mainly interested in liberated alluvial gold - not hardrock sources
- Mumbach magnetic centre is a source areas for alluvial gold
- Several source areas remain to be traced and characterized
- No significant drilling to date outside the mineral resource and Maria Bonita discovery
- Discovery potential to west of Maria Bonita

# Maria Bonita

## Strong Ground Magnetic Anomaly Coincident with Gold-in-Soil Anomaly



- Well-defined ground magnetic low anomaly measuring 500m N-S by 1000m E-W
- Partially coincident with a very strong 400ppb gold soil anomaly.
- Drilling shows a pronounced relationship between disseminated gold mineralization and hydrothermal alteration associated with magnetite destruction in the intrusive host rocks.

Ground magnetics (Total Magnetic Intensity) on 50m spaced north-south lines with surrounding aeromagnetics on 100m spaced north-south lines. Magnetic values are low (blue) to high (red). Area of gold-in-soil values above 400ppb are shown.

# Cajueiro Project

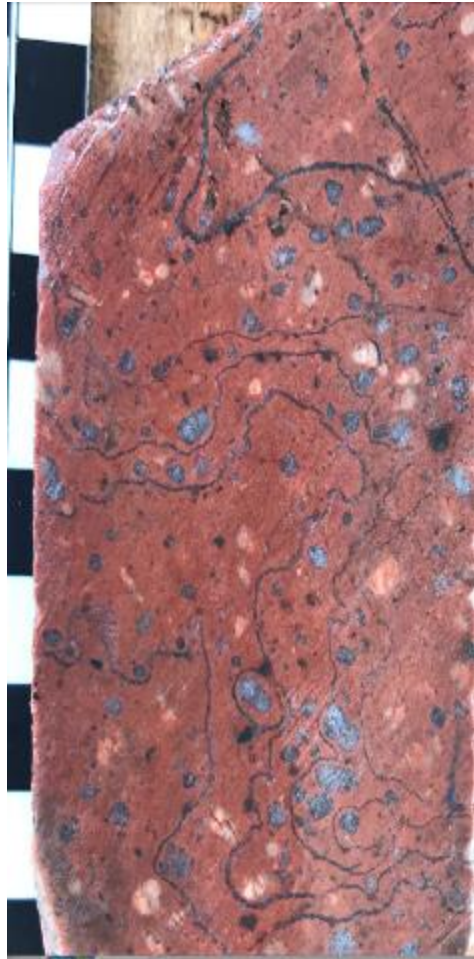
## Maria Bonita Discovery



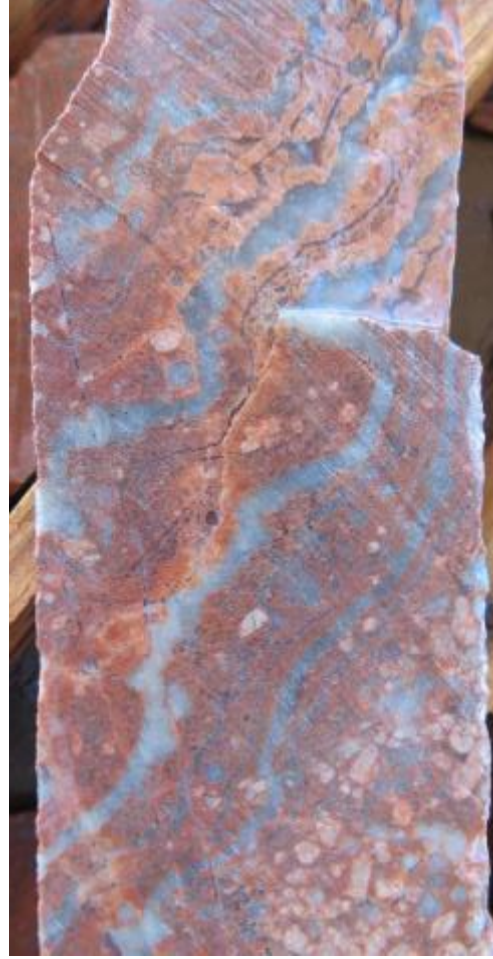
- **Major gold-in soil anomaly** Higher gold in soil values than those over Cajueiro resource area (76% of the soil samples returned highly anomalous gold values above 100ppb gold, up to a maximum of **3.1 g/t gold**)
- **Large footprint** - original soil anomaly 800m x 800m, no outcrop and no prior mining activity
- Not found by garimpeiros due to lack of outcrop and fine-grained nature of the gold
- Drilling shows at least **4 stages of porphyry intrusion** and associated alteration, plus veining and breccia development
- **Strong, continuous and consistent** gold from surface:
  - MBA001: **50m @ 1.0 g/t** gold from surface
  - MBA002: **55m @ 1.0 g/t** gold from surface  
**25m @ 0.7g/t** gold from 110m
  - MBA003: **45m @ 1.4 g/t** gold from surface
  - MBA004 **50m @ 1.1 g/t** gold from surface  
**72m @ 0.5 g/t** gold from 50m
  - MBA005 **69m @ 1.0g/t** gold from surface
  - MBA007 **71m @ 0.6g/t** gold from 34m  
45m @ 0.5 g/t gold from 105m
  - MBA010 **31m @ 0.6g/t** gold from 79m
  - MBA013 **94m @ 0.6g/t** gold from surface
  - MBA015 **120m @ 0.5g/t\*** gold from 69m
  - MBA016 **83m @ 0.5g/t** gold from 14m  
**65m @ 0.4g/t\*** gold from 118m
  - MBA017 **102m @ 0.3g/t** gold from 55m
  - MBA018 **105m @ 0.5g/t** gold from 23m
  - MBA020 **72m @ 0.4g/t** gold from 59m
  - MBA022 **96m @ 0.3g/t\*** gold from 88m
  - MBA025 **40m @ 0.4g/t** gold from 118m
  - MBA029 **146m @ 1g/t** gold from 23m  
*\*interval open at depth*
- Altamira has acquired 409ha of surface rights covering most of the Maria Bonita anomaly

# Maria Bonita: Mineralized porphyry

Unidirectional Solidification Textures  
(UST) in quartz porphyry



MBT002 Depth 34m



MBT029 Depth 85m

'A type' veining



MBT022 Depth 24m

Sheeted veining



MBT029 Depth 55.50m

Stockworked Porphyry



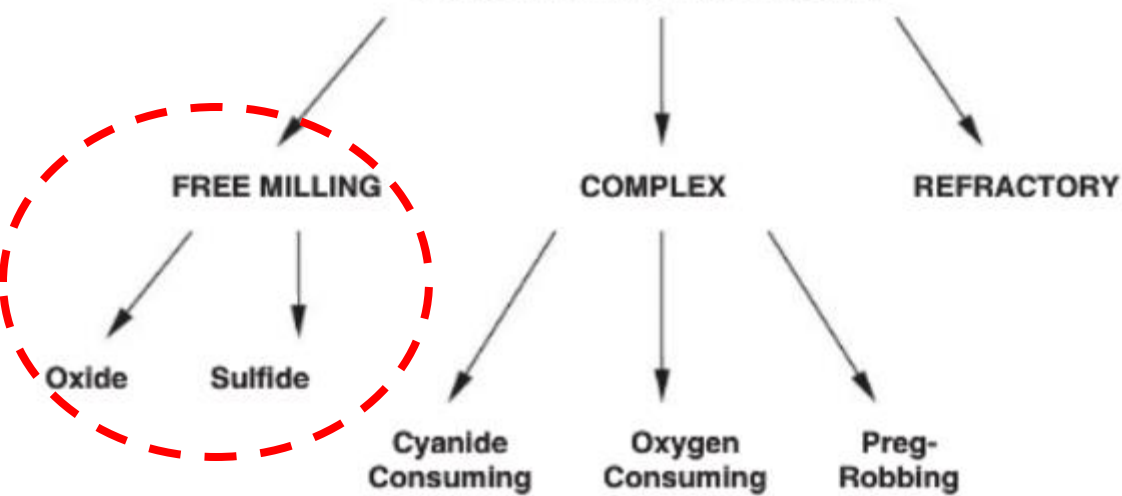
MBT003 Depth 30m



# Positive Metallurgical Characterisation

Maria Bonita testwork on drill core coarse residues

## GOLD ORE PROCESSING



**Free milling:** “Gold that can be recovered by conventional techniques and readily cyanides after liberation by comminution”

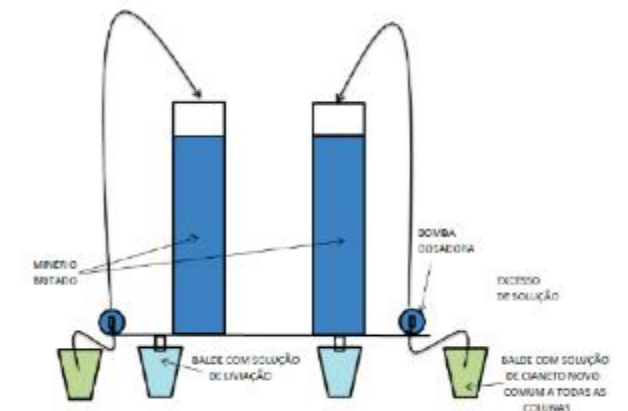
## 1. Agitated leach – completed

High (~90%) Au recovery to agitated leachate with **low reagent consumptions** - a **very positive start**

- Free milling
- **No deleterious impurities**

## 2. Column leach – completed

- Drill coarse residues used for 30-45 day column leach in laboratory to simulate heap leach conditions
- 1m columns
- Oxide zone: 88% recovery of gold at 9.5mm top feed size
- Fresh rock: 52% recovery. Further work planned to reduce feed size for greater liberation and increased recovery



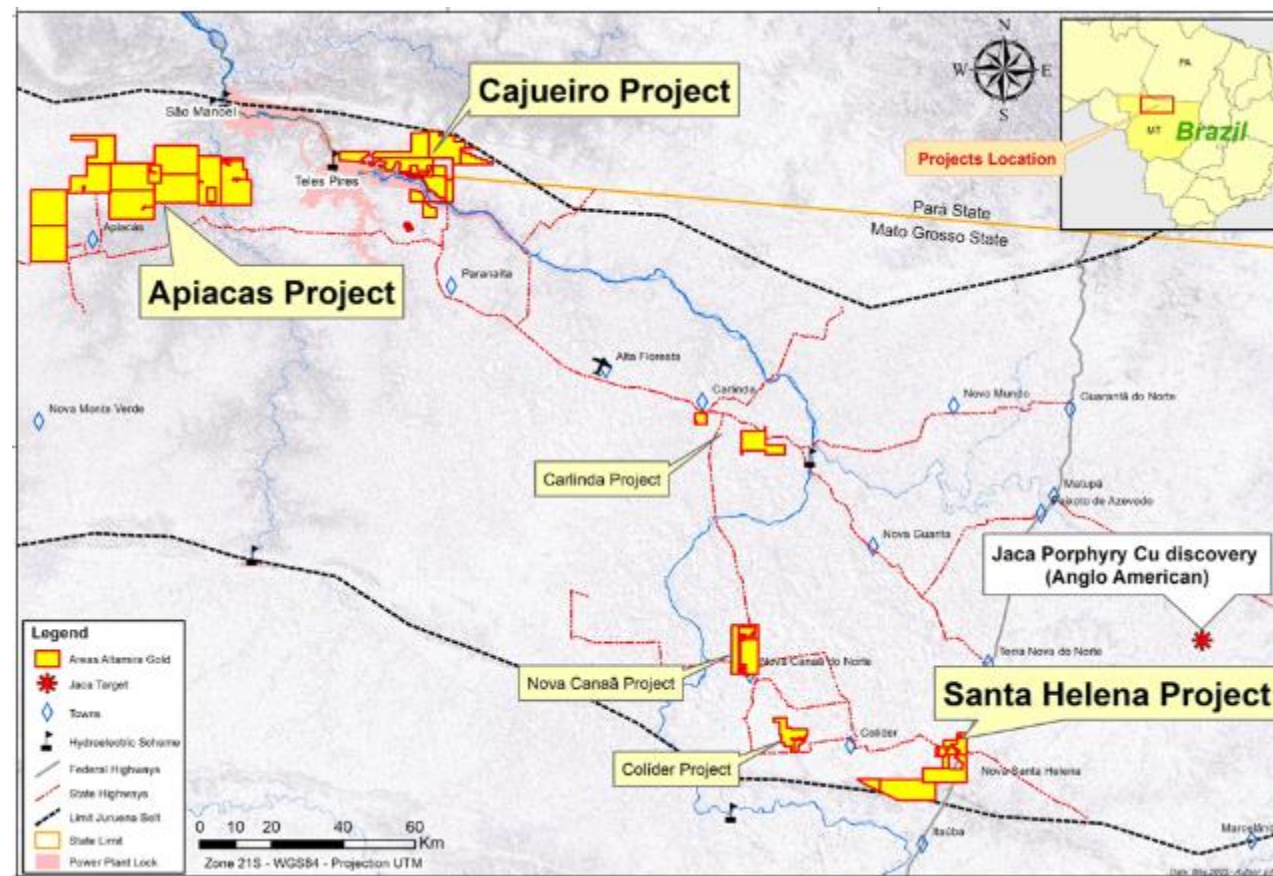


# SANTA HELENA PROJECT

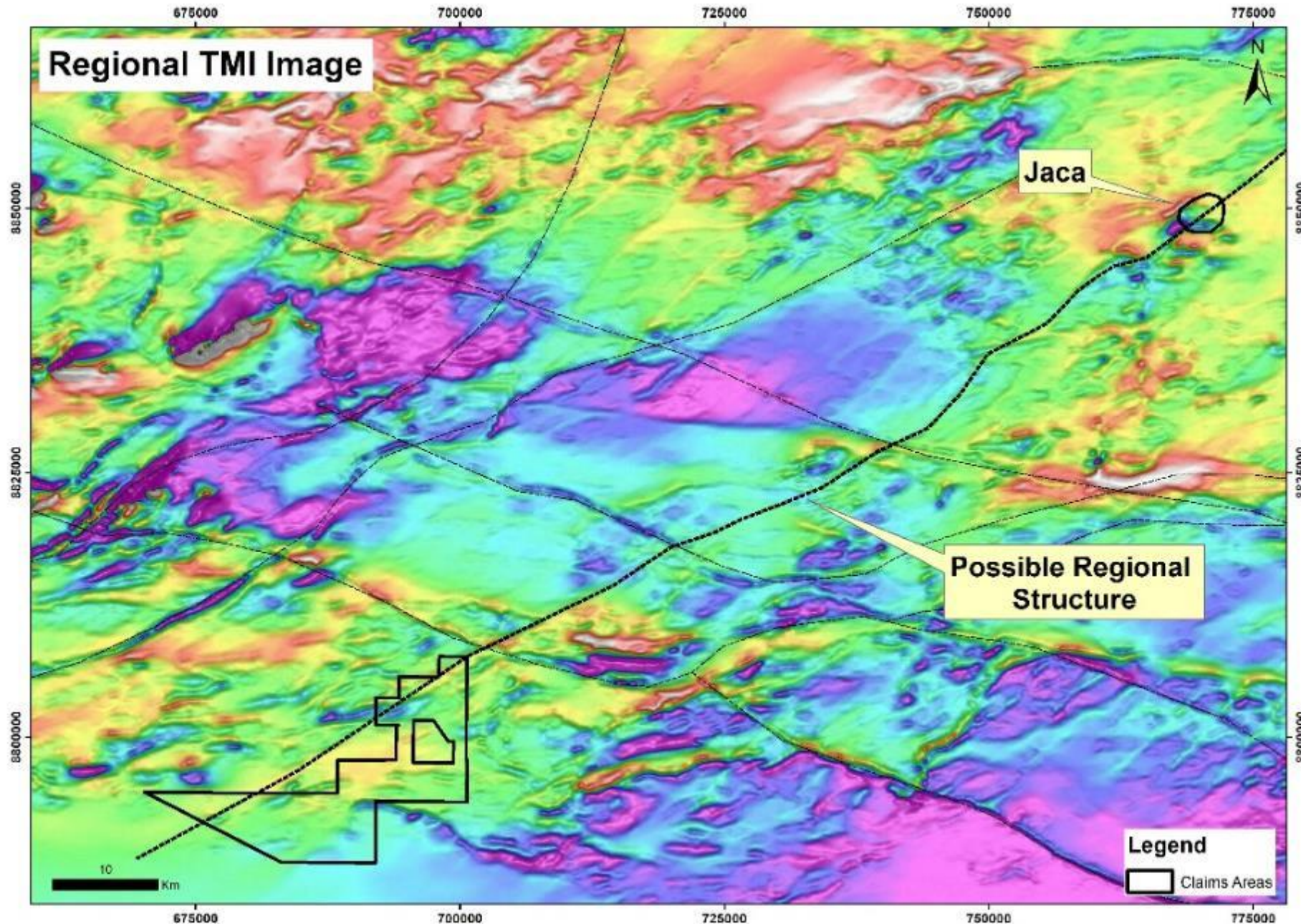
*Tucura garimpo*

# Santa Helena Project: Porphyry Copper Target with Peripheral High-Grade Gold

- 17,587ha located in SE portion of the belt, 60km SW of Anglo American's Jaca copper discovery
- Excellent infrastructure. Project located adjacent to BR-163 federal highway. Ranch land
- Elevated gold (to 172 g/t) and copper (to 0.96%) values in surface grab samples
- Porphyry-style alteration on surface over several square kilometres
- **Initial drilling completed on gold targets. Notable intercepts include 0.8m @ 44.8 g/t gold and 0.9m @ 10.4 g/t gold.**

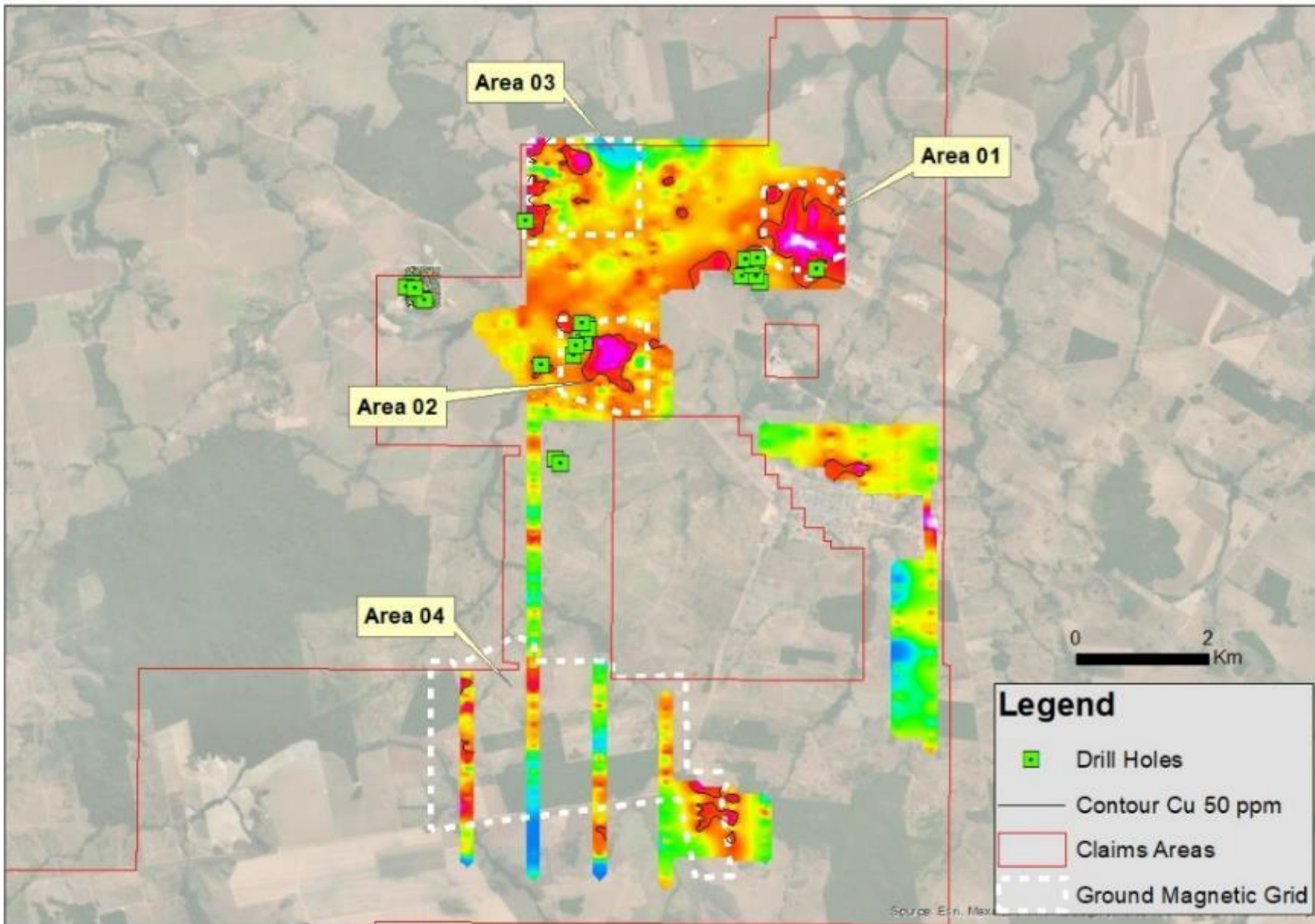


# Structural Setting



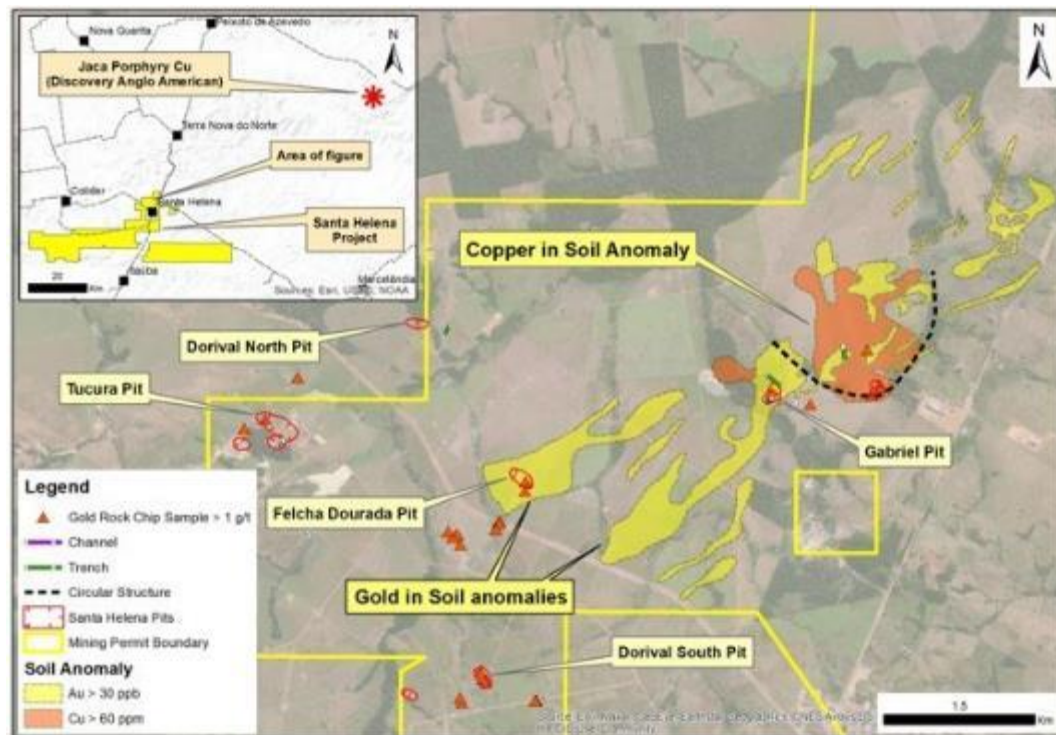
- NW structural grain
- Reflected in soil anomalies
- ESE secondary structures

# Four areas of anomalous Cu-in-soil identified to date



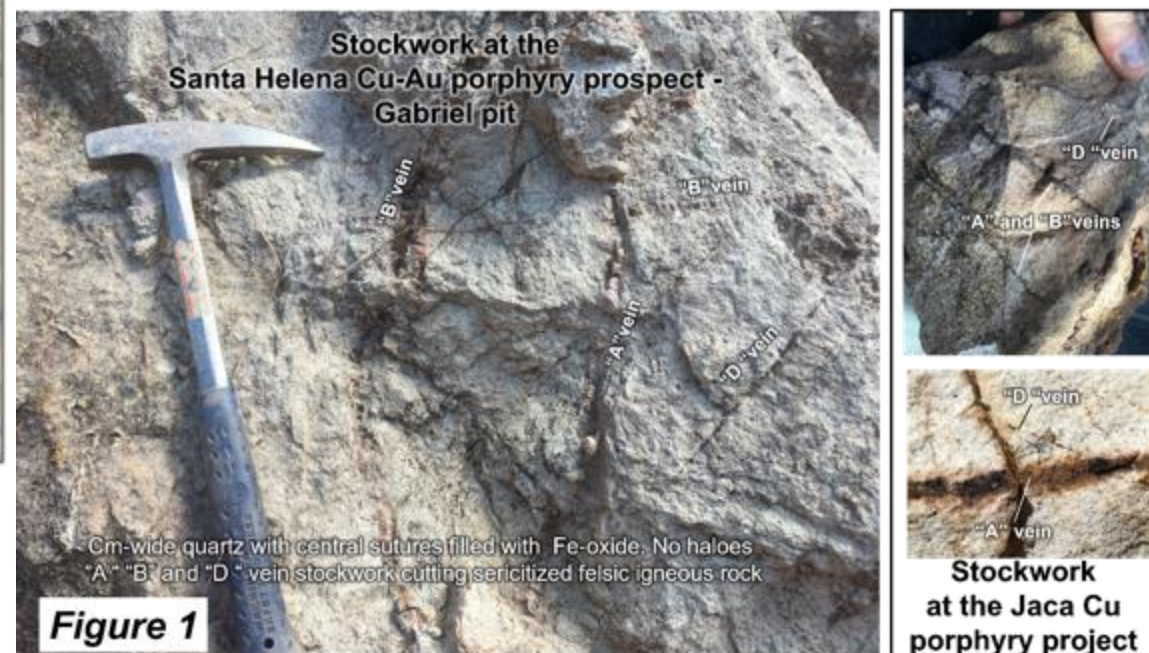
- Prior drill tests for Au are outside the Cu-in-soil features
- Coherent soil anomalous of a size consistent with porphyry source
- Poor outcrop with deep weathering in places

# Santa Helena Project: Porphyry-style alteration at surface



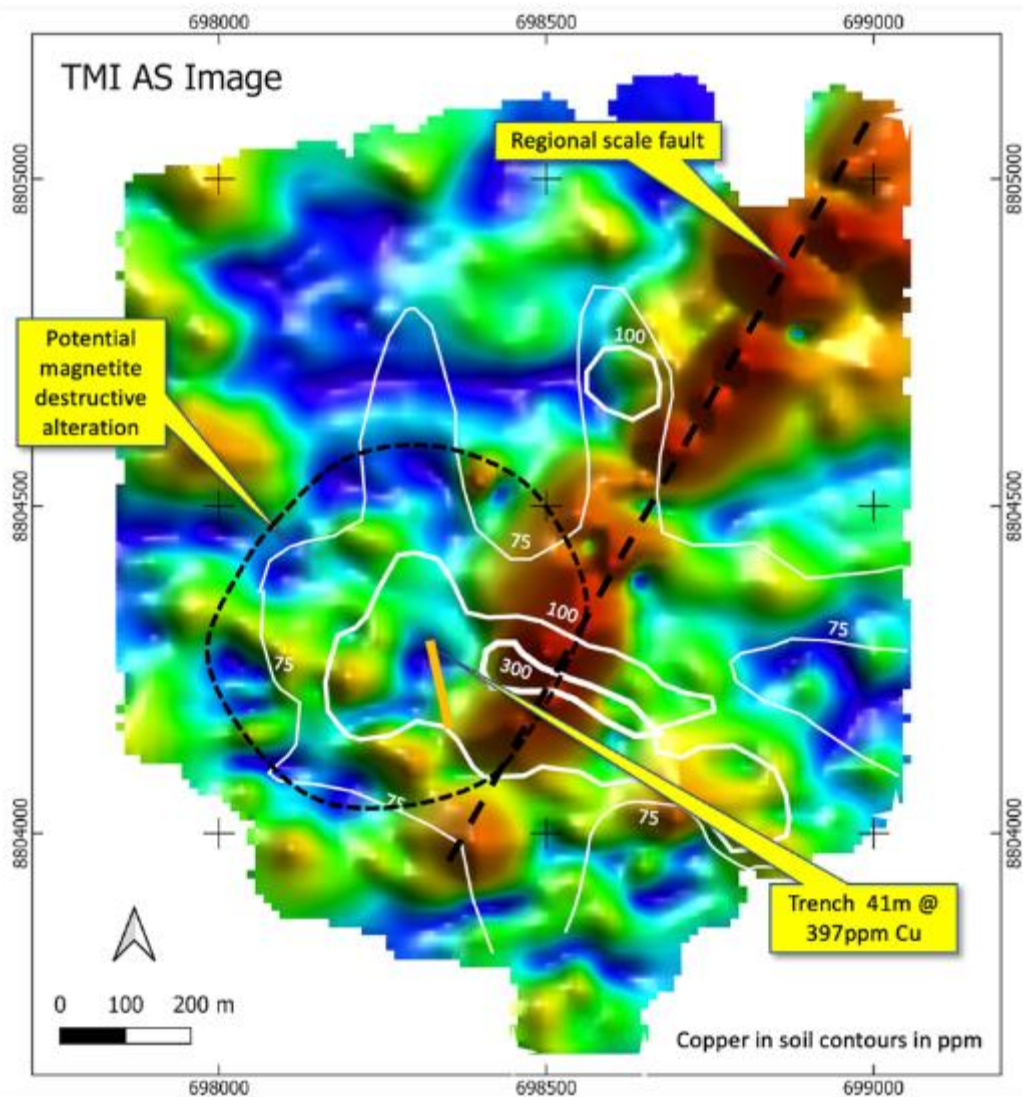
Aligned NE trending gold in soil anomalies radiating from circular copper in soil feature. Hard rock gold garimpos across the district in shear related settings

- Coherent anomalous **copper** values in soils over area consistent with intrusive source. Trench with stockworked quartz veining and elevated copper values within soil anomaly



Outcropping porphyry-style alteration at Gabriel pit area, Santa Helena project

# Santa Helena Project: Coincident magnetic and Cu-in-soil anomalies



Trench during sampling



Stockwork veining in trench wall

# First drill round focused on shear/vein gold targets

## Found distal porphyry-style mineralization



Veined, altered and brecciated "red rock" intrusive DDSTH-0002.



Altered and veined "red rock" intrusive: DDSTH-0001.



Quartz vein with pyrite and molybdenite within porphyritic aplite in syenite DDSTH03.



Altered and brecciated "green rock" (epidotization and chloritization) with pyrite veinlets: DDSTH-0001.



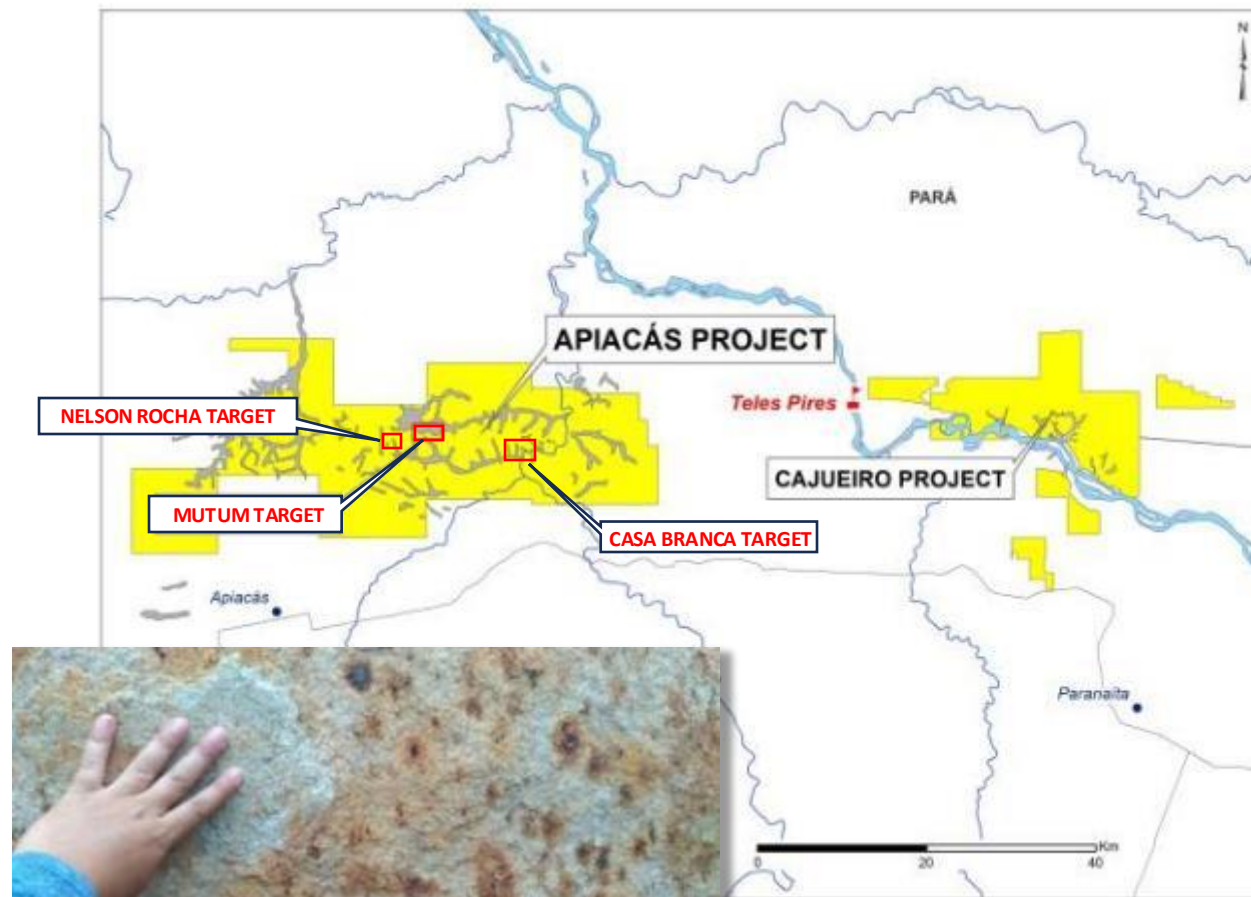


# APIACAS PROJECT

# Apiacas Project

## Largest Historic Placer Gold Producer in Belt

- 80,000ha located 50km west of Cajueiro project
- Historically produced >1Moz of placer gold -largest placer gold camp in the region
- The bulk of the placer production came from the Mutum target. Recent scout drilling has identified both low grade disseminated gold and high grade shear-hosted mineralization
- Results from initial 13 reconnaissance diamond include 30.5m @ 0.52 g/t, 62m @ 0.32 g/t, 13.4m @ 0.62 g/t, 11m @ 0.7 g/t and 131.8m @ 0.15g/t gold indicating the potential for significant volumes of primary gold mineralization within the project area
- Surface grab samples of the high-grade veins returned values up to 403.5 g/t gold and recent channel samples included values up to 3m @ 10.4 g/t gold.



Disseminated gold mineralization at Mutum target

Disseminated gold mineralization at Mutum target, Apiacas project

# 2024 Plans



Evolving multiple gold porphyry targets in Maria Bonita corridor



Follow-up metallurgical sampling to optimize heap and agitated leach dynamics



Permitting for initial operation

# Investment Opportunity

## STRENGTHS

**Cajueiro project: significant new porphyry gold discovery at Maria Bonita target** located 7km north-west of existing Cajueiro mineral resource. Several emerging targets with similar host rocks emerging in prospective corridor

**Santa Helena project:** well defined soil and magnetic low targets with trench support ready for drilling

**Apiacas project:** disseminated gold mineralization with bulk tonnage potential in 3 identified centres to date. Initial drilling found wide <100m intervals of anomalous gold

**3 other projects** in the portfolio

## OPPORTUNITIES

- Size of mineralized system at Maria Bonita yet to be established. Mineral resource under evaluation
- Saprolite resource to be evaluated as a “fast-track” route to low- cost production using heap leach technology
- Further metallurgical testing to optimize prior recoveries <90%
- Potential for porphyry copper-gold discovery and associated high grade vein structures
- Potential for disseminated gold discovery. Ongoing drone magnetics and sampling to define drill targets
- Potential for joint ventures and/or sale



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