TYRANNA
RESOURCES LTD

# MINERALS THAT TRANSFORM.

## *- Angola matters -*

Rare Earths, Niobium and Gold
**Angola**

**ASX: TYX**
www.tyrannaresources.com



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## Competent Person's Statement

The information in this presentation is based on, and fairly represents, information and supporting geological information and documentation that has been supplied to Mr David Crook who is a member of the AIG. Mr Crook is employed by OreSource Pty Ltd through which he provides his services to Tyranna as Managing Director. Mr Crook has more than five years relevant experience in the exploration methodologies undertaken and qualifies as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Crook consents to the inclusion of the technical information in this report in the form and context in which it appears.

# WHY ANGOLA MATTERS NOW

## Investment for the Future

- Global search for secure supplies of critical minerals
- Governments, manufacturers and strategic investors are seeking new jurisdictions capable of supplying the materials



## Angola offers world-class geology

- Analogues of Brazil's carbonatites, which supply ~91% of global niobium
- Archaean to neo-Proterozoic greenstone belts
- Zambian and Congo copper belts
- Cenozoic sedimentary copper and zinc

# Board and management



**Davide Bosio**

Chairman



**Joe Graziano**

Non-Executive Director



**Paul Williams**

Non-Executive Director, Angolan specialist



**David Crook**

Managing Director



**Paulo Nunes**

In-country MD



**Tim Slate**

Company Secretary



**Paulo Caessa**

Exploration Manager

**15 yrs**
Indirect exposure to Angola

**5+ yrs**
Direct exposure in-country

**Luanda**
Established corporate infrastructure

## WHY ANGOLA

# We view Angola as under-explored but open for business

**01** **Open for business**

Stabilised and growing since 2002 after 40+ years of conflict, Angola is opening up to mining investment.

**02** **Major international investment in-country**

THE LOBITO CORRIDOR

**Connecting Angola to global markets**

| Rail | Ports | Power | People |
|---|---|---|---|
| Greater access | Global markets | Enabling growth | Lasting benefits |

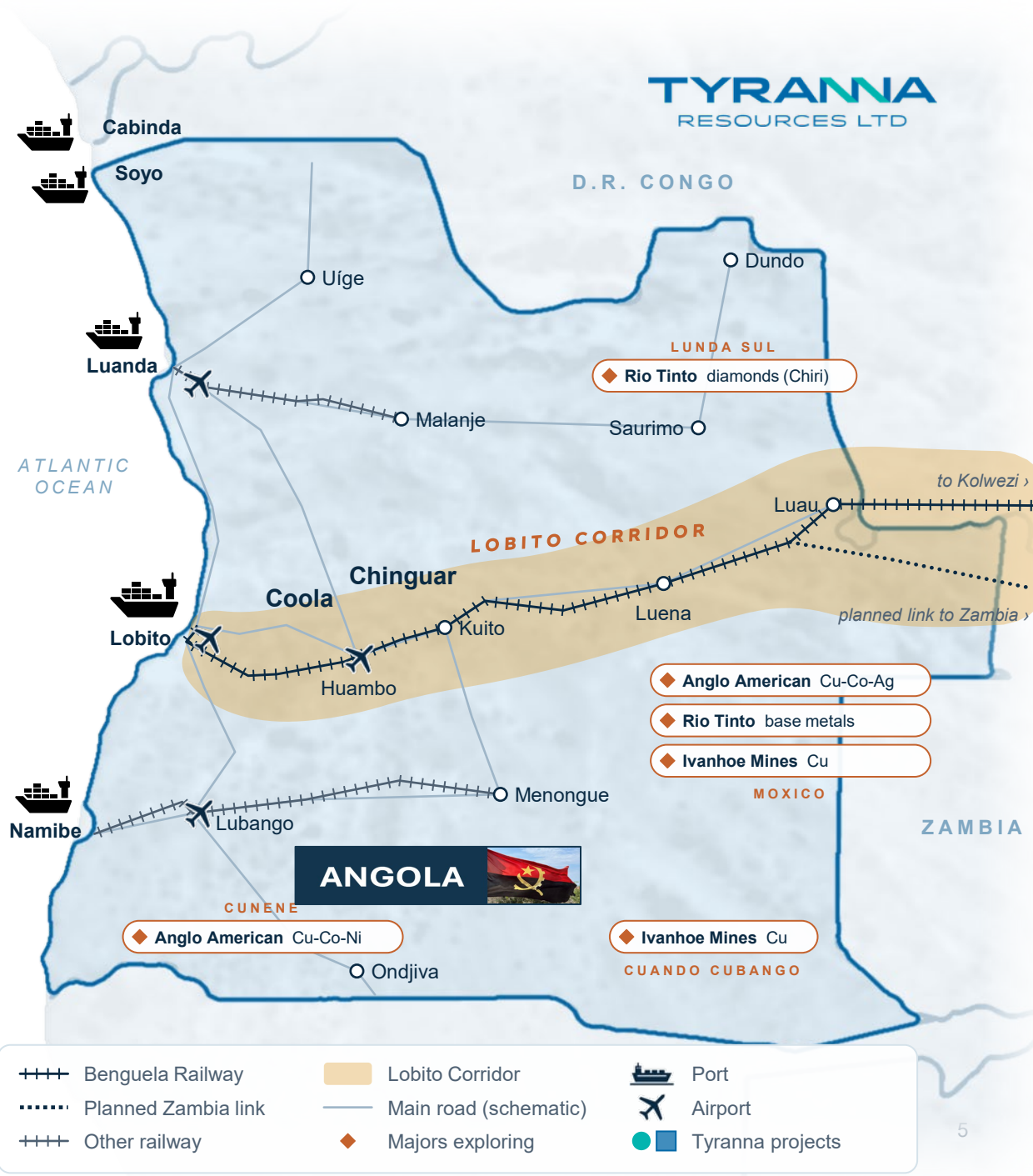
- EU- and US-funded rail corridor – one of Africa's largest strategic infrastructure projects of >US$6B committed
- + Chinese infrastructure investment

**03** **The majors are here**

Anglo American, Rio Tinto and Ivanhoe are all active in Angola.

**04** **Tyranna is an early mover**

Early entry, with in-country know-how to navigate the system.



## MORE SPECIFICALLY, WHY ANGOLA

# Same geology,

## but far fewer mines to date

### 01 Shared mineral belts

The belts that host the Central African Copperbelt, Namibia's Damara and Kaoko districts and the West Congo Belt all run into Angola.

### 02 Mature mining neighbours

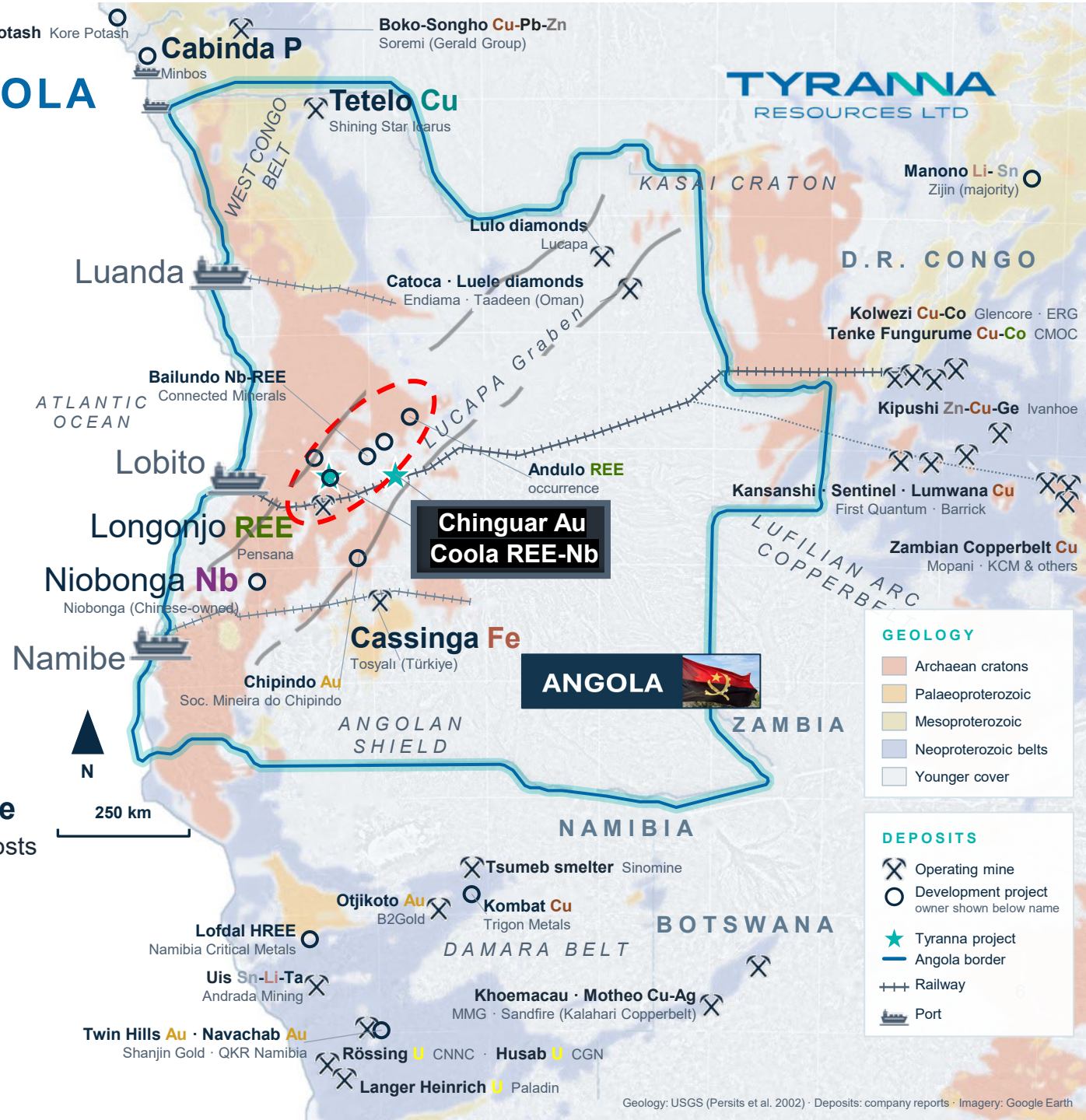
In 2025 the DRC and Zambia mined ~18% of the world's copper, and the DRC ~74% of its cobalt[1].

### 03 Angola: the gap on the map

Civil war (1975–2002) kept most explorers out. Angola's first modern copper mine, Tetelo, opened only in 2025 – the opportunity is what Tyranna finds intriguing.

### 04 Potential Globally Important Rare Earths Centre

Importantly and in addition to diamonds, the Lucapa Graben hosts a recognised cluster of carbonatites with rare earths.





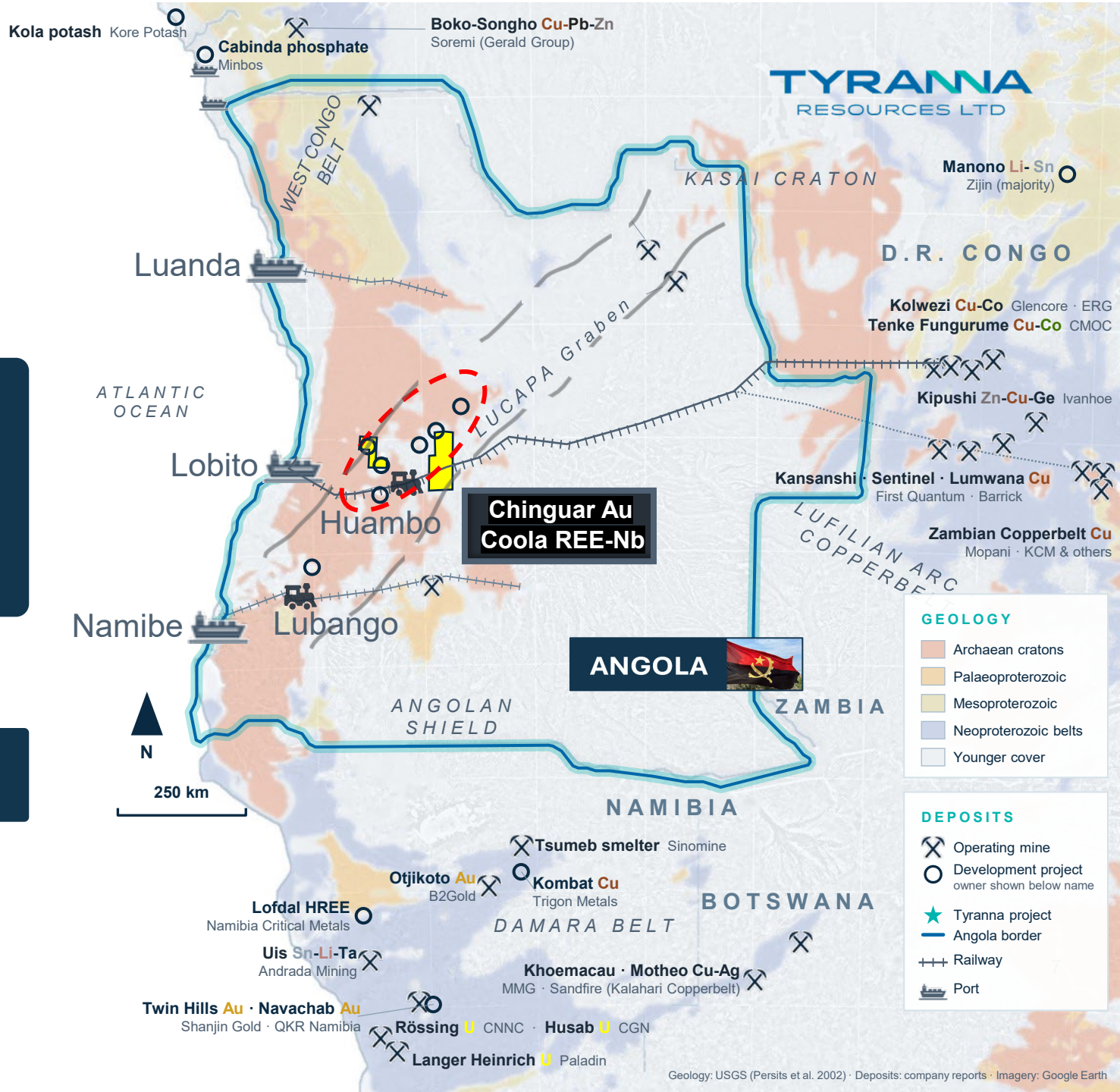

1: https://www.usgs.gov/centers/national-minerals-information-center/congo-kinshasa

## TYRANNA'S PROJECTS

# Large Titles, very prospective ground

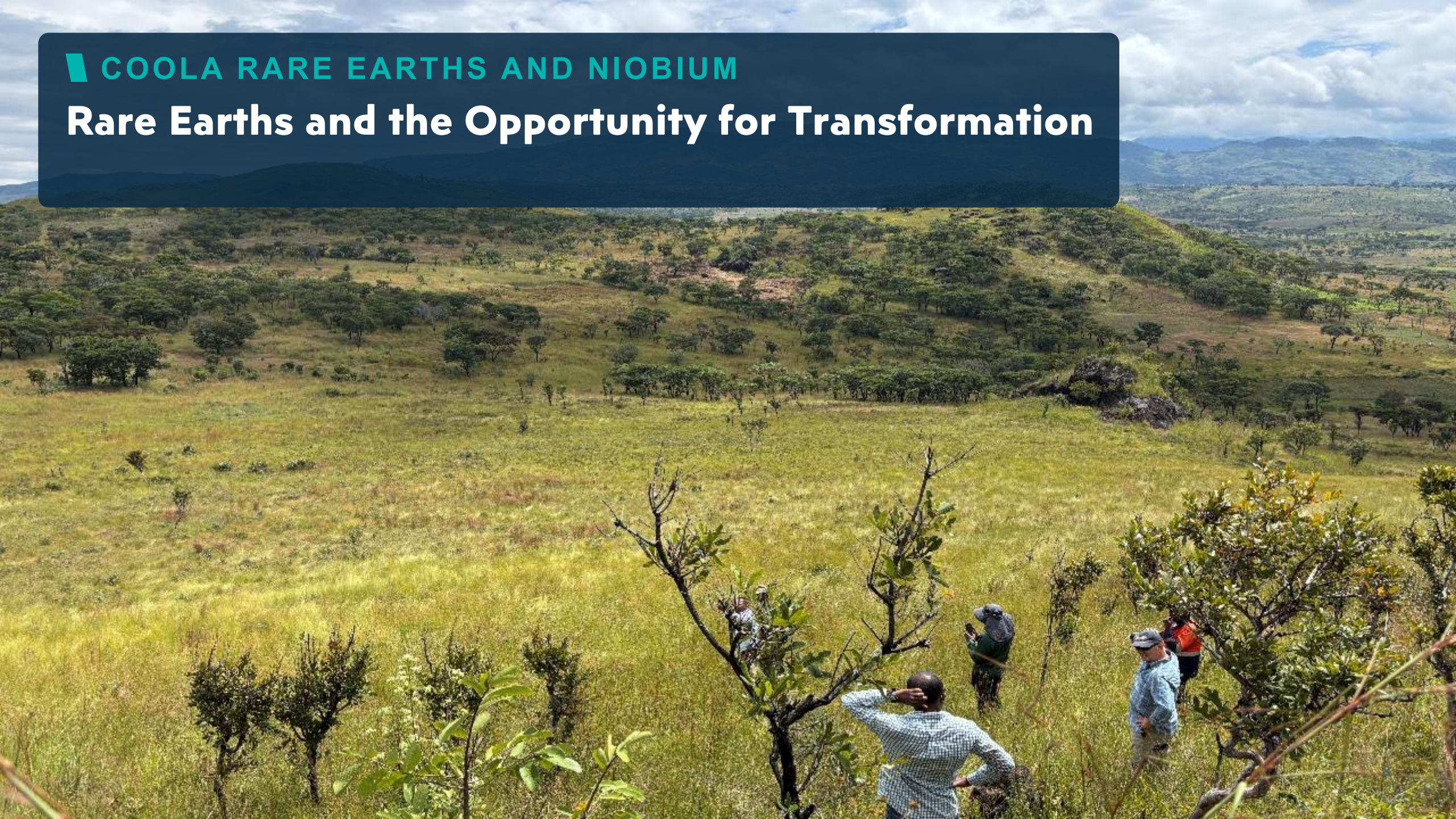
## Coola Rare Earths and Niobium Project
in the "Carbonatite Corridor"

## Chinguar Gold Project



COOLA RARE EARTHS AND NIOBIUM

# Rare Earths and the Opportunity for Transformation



# Elephant country for REE and Niobium




*Schematic reconstruction. Positions approximate.*

## Mirrored mineral belts

Brazil and Angola were neighbours before Gondwana broke apart.

Brazil hosts major rare earth deposits in the states of **Goiás, Minas Gerais, and Bahia**. These include both carbonatite and ionic-clay style deposits.

Brazil holds roughly **21 million tonnes of rare earth reserves**, placing it among the top countries globally.

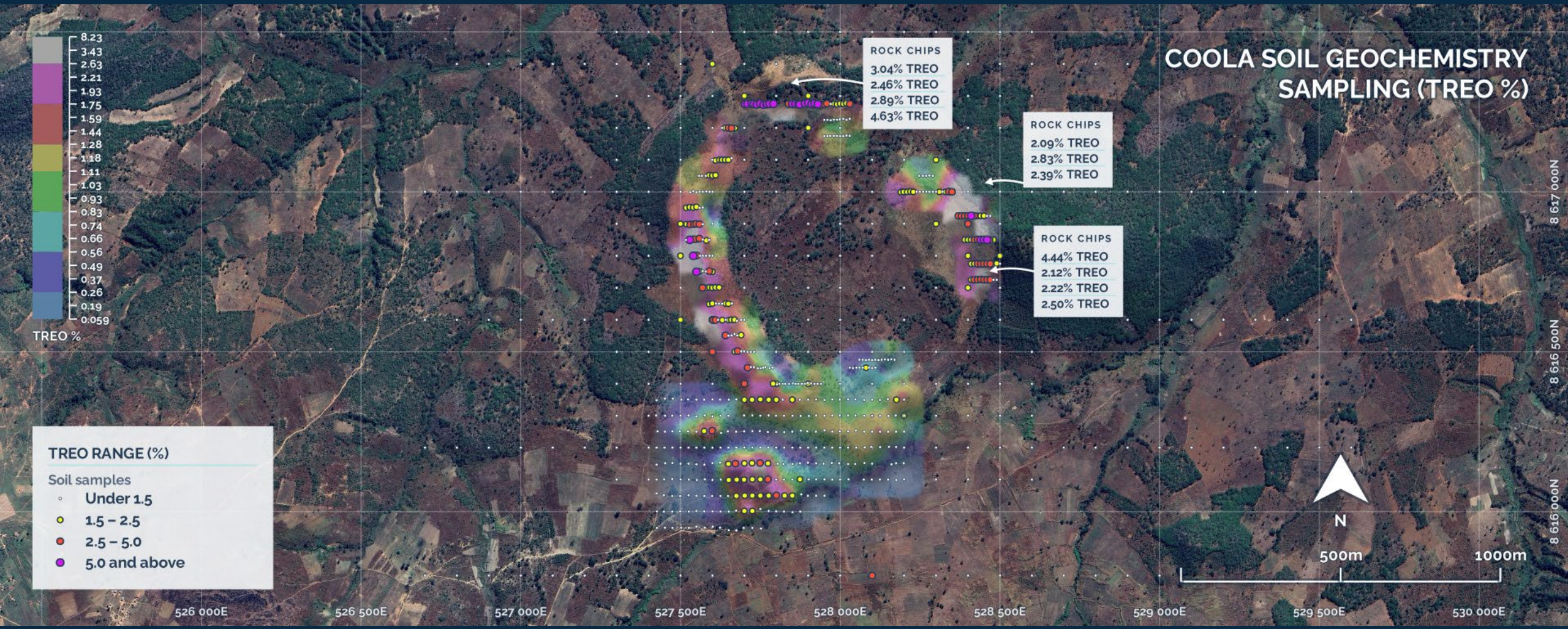
Most of the world's **niobium** comes from Brazil – from just two carbonatites, Araxá (80%) and Catalão II (11%)

## Born in the same rift

Angola's carbonatites sit in the Lucapa Graben, formed ~130–120 Ma as the South Atlantic opened – geological analogues of Brazil's world-class Nb, REE and phosphate deposits.

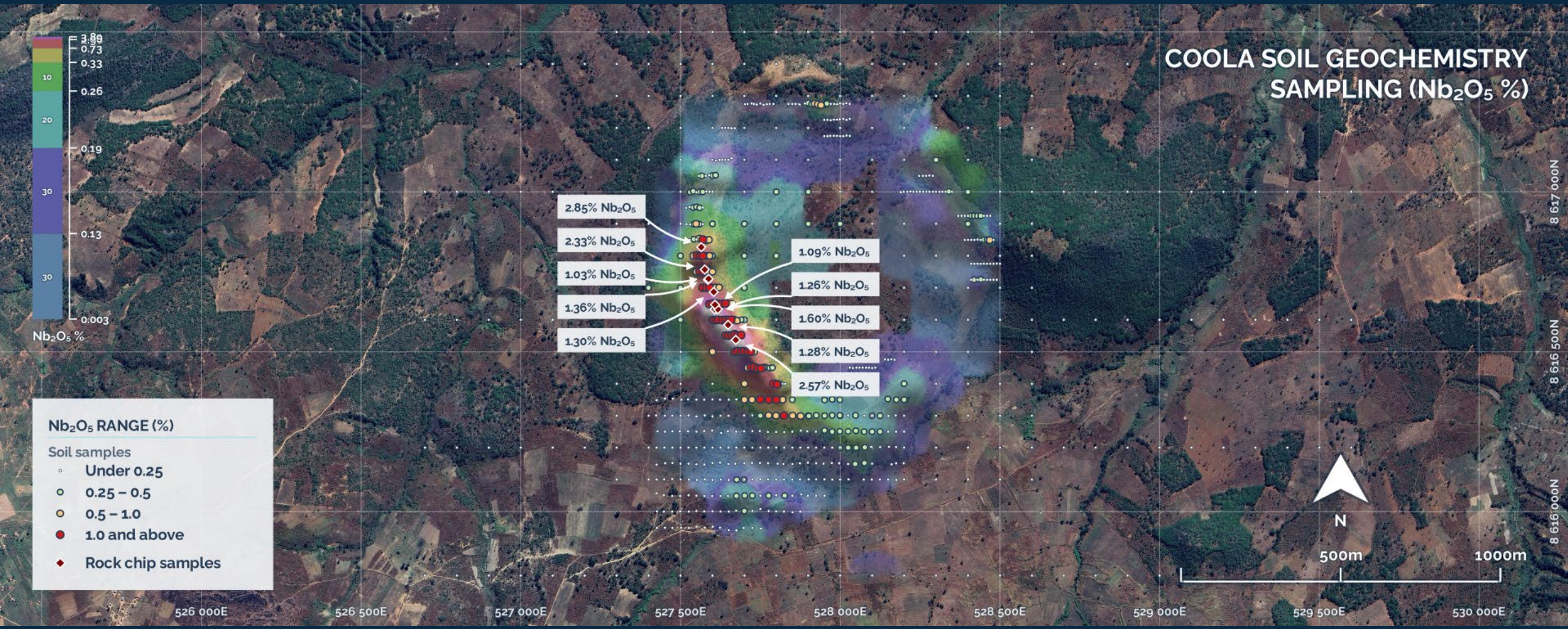
## COOLA RING DYKE – RARE EARTHS

# Up to 13.18% TREO in soils, 4.66% TREO in rocks



## COOLA RING DYKE – ALSO NIOBIUM

# Up to 3.89% $Nb_2O_5$ in soils, 2.85% $Nb_2O_5$ in rocks






soil samples above 1.0% $Nb_2O_5$ define a 650 m long anomaly

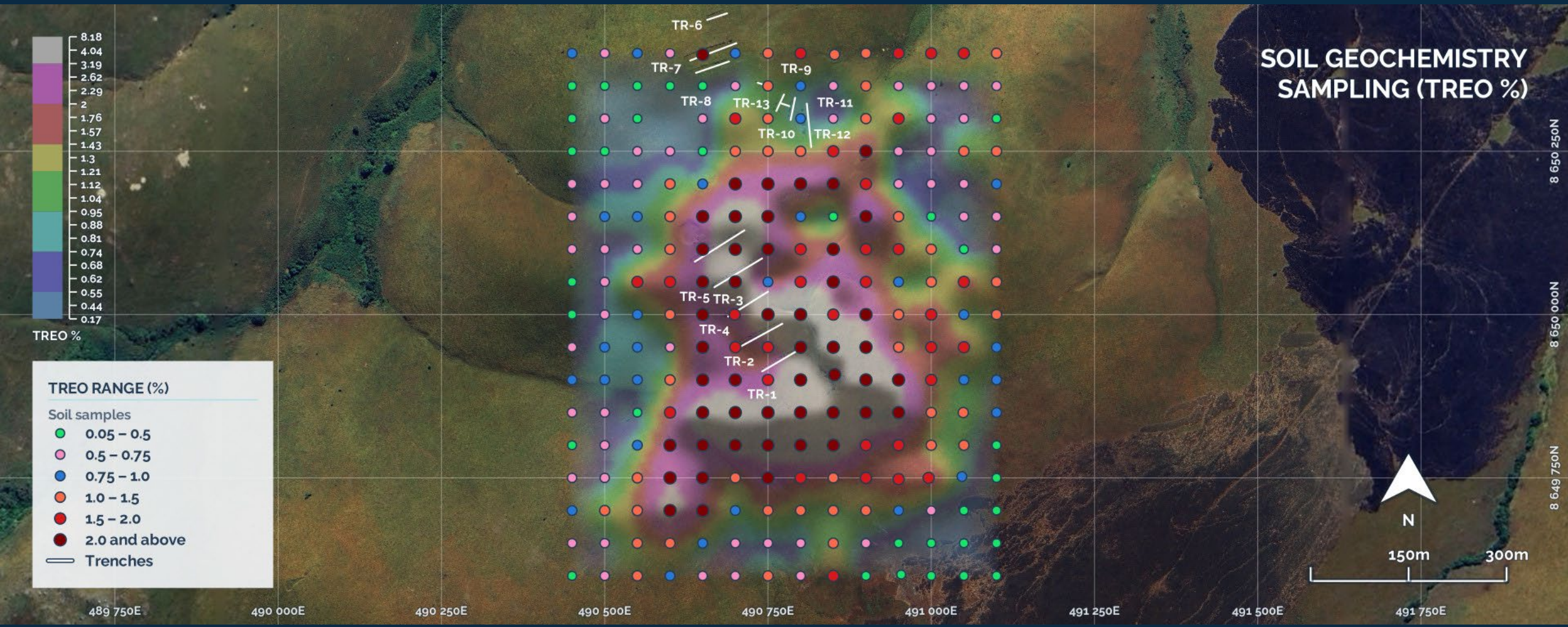


ASX 7 October 2026 Soils up to 13.2% TREO and 3.9% $Nb_2O_5$ Define Drill Targets

## SULIMA WEST DIATREME – REE IN LATERITE

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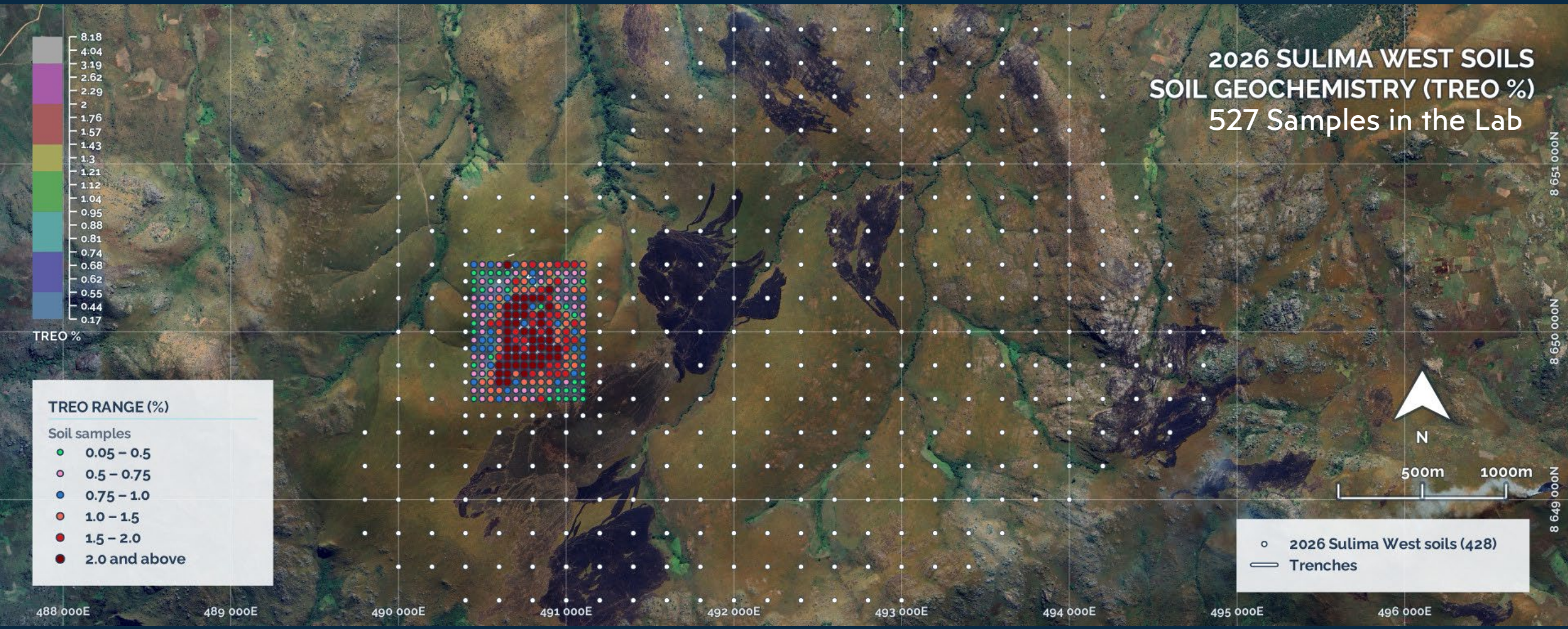
# Up to 10.76% TREO in soils, 10.56% in trenched laterite



## SULIMA WEST EXPLORATION ADVANCING

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# The entire Sulima West diatreme is now sampled






ASX 22 October 2026 Soils Up To 10.6% TREO at the Sulima West Ring Structure and ASX 25 November 2026 Sulima West Soil Coverage Expanded 25-Fold

CHINGUAR GOLD PROJECT

# 20 areas with artisanal miners shows alluvial gold is widespread. The source is out there!



CHINGUAR GOLD

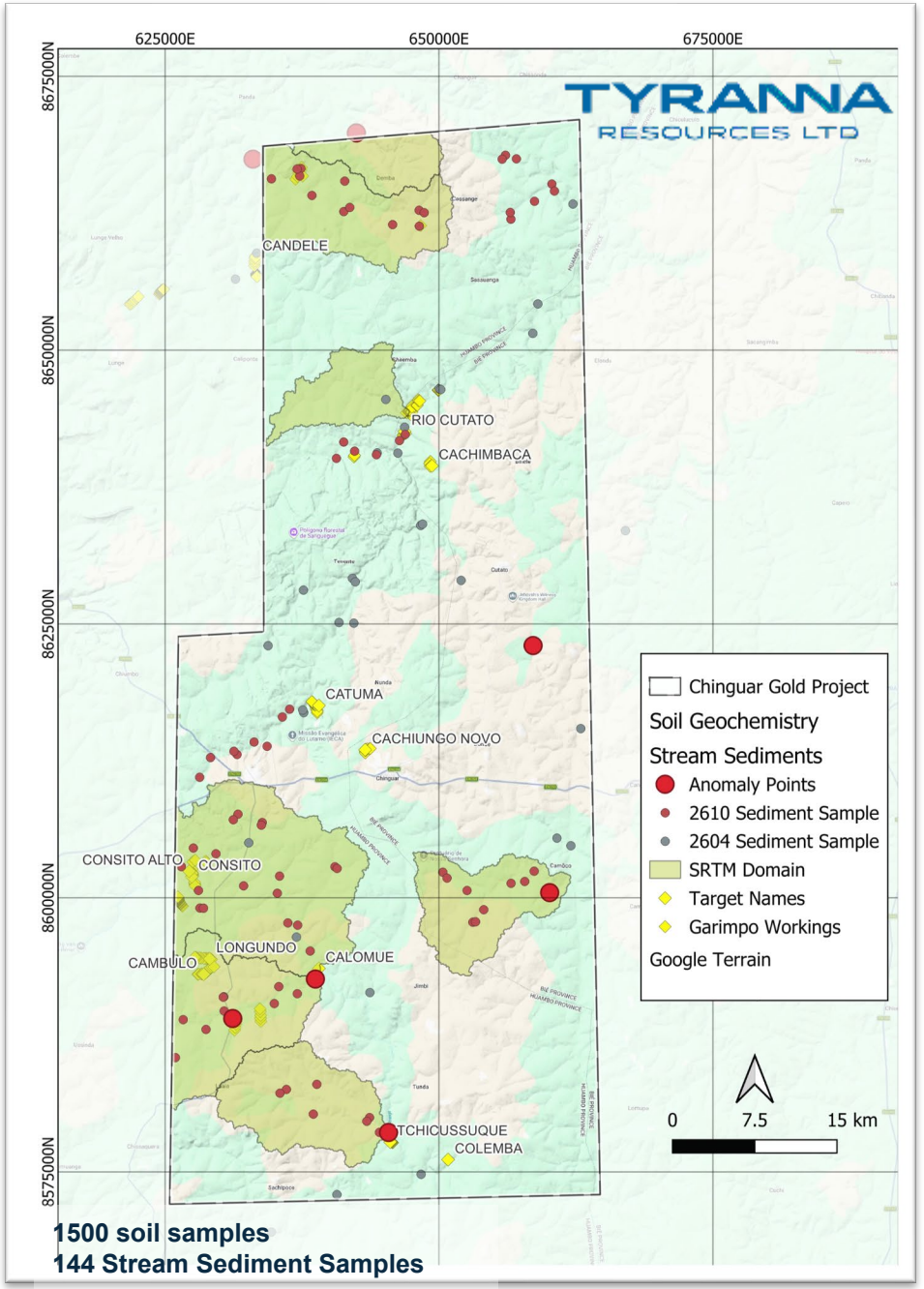
# A district-scale opportunity



Cachiungo Novo – mechanised alluvial workings



Consito Alto – workings in laterite extend >450 m



# Partnerships that Drive Business

**01** Progress requires collaboration between government agencies, regulators, communities, investors, technical experts and operating companies.

**02** Australian companies have been playing an important role in Angola's modern mining industry - Minbos, Lucapa, Connected and Tyranna (and Pensana started life on the ASX)

**03** Strengthening the Prospection Title System

- published assessment timeframes are met
- On-line cadastral system extended to a graticular system
- Conversion of applications into granted rights made more efficient
- A provision for artisanal surface miners

# Concluding Remarks

## under-explored but open for business

**01** Angola is emerging as one of Africa's most promising rare earth and critical minerals jurisdictions.

**02** International partnerships, in our case involving Australian participation and investment, have already made a significant contribution and we would like to continue to participate into the future.

**03** Increased transparency and efficiency in the *Prospection Title System* can accelerate investment, discovery and development.

**Angola has the minerals that can transform economies. Through strong partnerships, it can become one of Africa's great mining success stories.**

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# Contact


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Managing Director

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Authorised by the Board of Tyranna Resources Ltd