



Defining World Class Mineral  
Deposits Through Innovation,  
Advanced Technology And  
Proprietary Analytical Methods

CORPORATE PRESENTATION  
NOVEMBER 2022



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## COMPETENT PERSON STATEMENT

The information in this report that relates to exploration results is based on information compiled by Mr. Antonio de Castro, BSc (Hons), MAusIMM, CREA, who acts as BBX's Senior Consulting Geologist through the consultancy firm, ADC Geologia Ltda. Mr. de Castro has sufficient experience which is relevant to the type of deposit under consideration and to the reporting of exploration results and analytical and metallurgical test work to qualify as a competent person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Castro consents to the report being issued in the form and context in which it appears.

The information in this report that relates to the Adelar target Mineral Resource is based on and fairly represents information compiled by Mr. Antonio de Castro and Mr. Leonardo Soares, (employee of GE21 Consultoria Mineral Ltda). Mr. Soares is a member of Australasian Institute of Geoscientists. Both have sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to activities undertaken to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserve Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Specially, Mr. de Castro is the Competent Person for the database (including all drilling information), the geological and mineralisation model plus completed the site visits with Mr. Soares. Mr. Soares is the Competent Person for the construction of the 3D geology/mineralisation model plus the estimation. Mr. de Castro and Mr. Soares consent to the inclusion in this report of the matters on their information in the form and context in which they appear.

## EXPLORATION RESULTS AND MINERAL RESOURCES

The information in this Presentation that relates to Exploration Results and Mineral Resources is based upon and fairly represents information previously released to the ASX on 26 May 2022, 30 May 2022, 1 June 2022, 9 June 2022, 10 June 2022, 5 July 2022, 7 July 2022, 14 July 2022, 21 July 2022, 27 July 2022, 29 July 2022, 5 August 2022, 19 August 2022, 26 August 2022, 2 September 2022, 9 September 2022, 16 September 2022, 23 September 2022, 4 October 2022, 14 October 2022, and 25 October 2022.

# Company

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BBX Minerals is a precious metals exploration, resource development and technology company based in Perth, Australia, with assets and operations in northern Brazil.



# Board and Management

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Experienced Board and Management team. Highly regarded inhouse technical expertise with a global presence and history of successful developments and strong operations.

# Board and Management



**ANDRE DOUCHANE**  
CEO & Chairman

Mining engineer with extensive experience over 40 years in North and South America, including COO, CEO and Chairman roles with a number of mid-tier and junior mining companies including Round Mt Gold, Battle Mt Gold, Franco-Nevada and North American Palladium.



**RAMON SOARES**  
Finance Director & Company Secretary

Certified Practising Accountant with over 10 years' experience in finance, taxation, and compliance and has held senior roles with several ASX listed mining and technology companies.

Mr. Soares is fluent in both English and Portuguese. He holds a Bachelor of Commerce (Accounting and Finance) from Curtin University, Perth, and is a member of CPA Australia.



**KEN KLUKSDAHL**  
Non-Executive Director

Mining executive with over 35 years of global broad-based operational and leadership experience. He has a strong knowledge of the PGM market.

Mr. Kluksdahl held the role of COO – US region at SibanyeStillwater from 2017-2021 and President of AngloGold Ashanti Colombia from 2011-2017. He has also held senior roles with Washington Group International, Rio Tinto, Homestake Mining Company, Battle Mountain Gold, and Tenneco Minerals.



**KARL PAGE**  
Non-Executive Director

Accomplished entrepreneur with extensive experience in capital markets.

With a strong record of establishing corporations and start-ups, Mr Page brings extensive corporate and commercial experience gained during a period of 30 years working for a number of companies operating in the media, production, and product design sectors.

# Board and Management



## ABBY SMITH

### Non-Executive Director

Ms Smith has over 15 years' experience working in environmental and public health roles across private, government and non-for-profit sectors in Australia and Canada.

Ms Smith has successfully led the development and implementation of sustainability strategies. She has a MSc and BA/BSc (Honours) from Queen's University, Canada and is a PhD Candidate at the University of Sydney.



## EDMAR MEDEIROS

### Technical Manager

Mr. Medeiros has a MSc from the Federal University of Santa Catarina in Brazil and a Project Management MBA from the University of Central Florida.

During a 33-year career, including 24 years with Anglo American he has occupied a variety of process development, research and development and project management roles.



## ANTONIO DE CASTRO

### Exploration Manager

Over 40 years' experience in the exploration of and development of gold and base metals projects in Brazil.

Acts as a consultant to several Canadian and Australian junior exploration companies.



## MIKE SCHMULIAN

### Consultant

Geologist with over 40 years mining and exploration experience including 25 years in Brazil.

Previous COO of ASX listed Crusader Resources and has held Senior Management and Executive positions with WMC, AngloGold Ashanti and Mundo Minerals.

Former Chairman of BBX for 10 years.

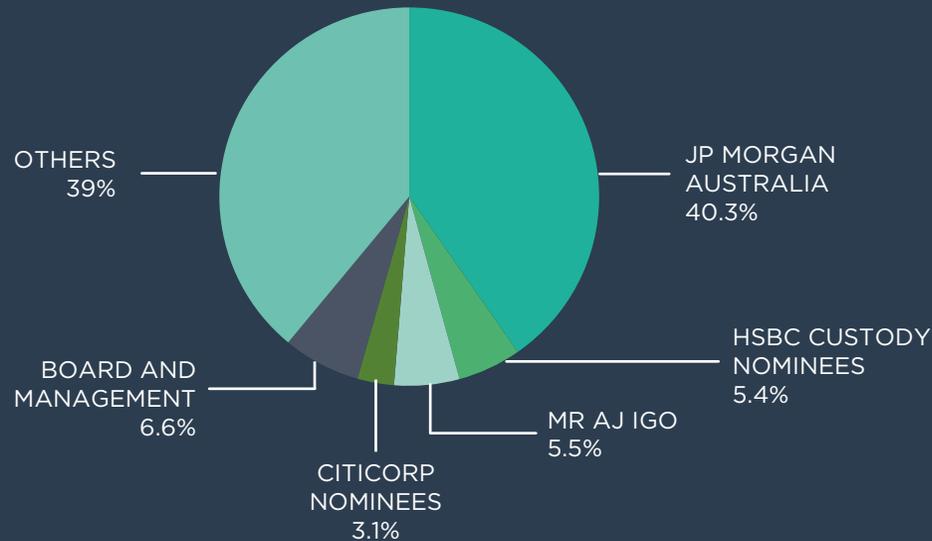
# Investment Opportunity



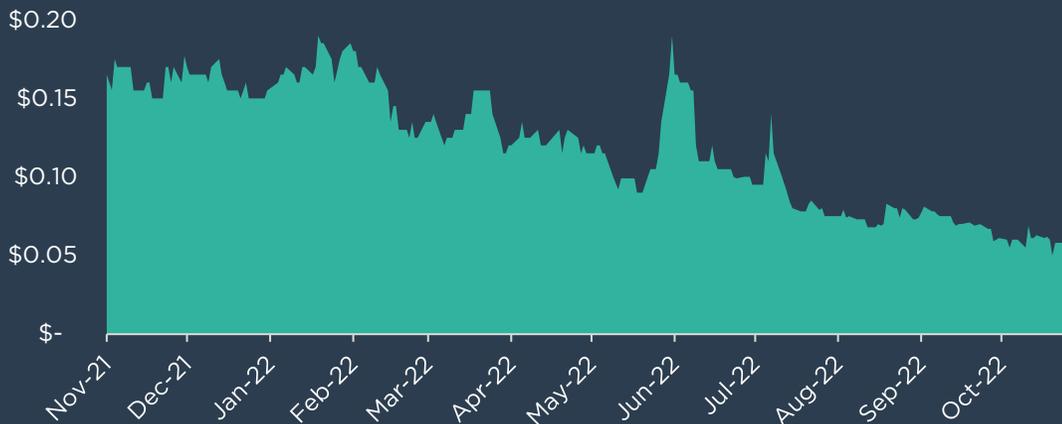
# Corporate Overview

An emerging Brazilian explorer and developer well supported by key shareholders, directors, and management.

## SHAREHOLDER DISTRIBUTION\*



## SHARE PRICE PERFORMANCE



## CAPITAL STRUCTURE

Australian Securities Exchange Code Frankfurt Stock Exchange Symbol**	BBX FZ7
Shares on issue	486,721,475
Listed options (\$0.12, 31 Dec 2025)	41,000,000
Performance Rights (various terms)	10,700,000
Unlisted Options (\$0.15, 30 Jun 2023)	9,195,000
Market Cap (27 Oct 2022)	\$29.2M
Cash (30 Sep 2022)	\$0.841M
Debt	Nil

\*\*Frankfurt Stock Exchange listing is an over-the-counter listing. WKN: AODNPY | Symbol: FZ7

## SHAREHOLDER DISTRIBUTION\*

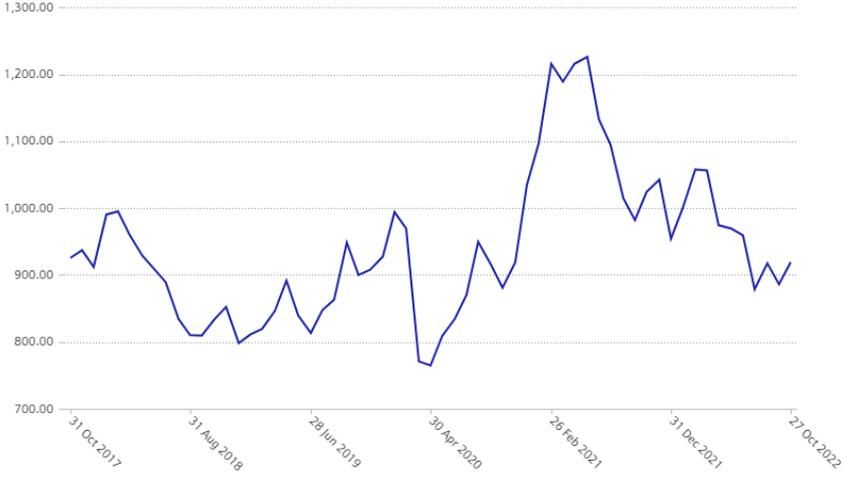
Top 20 Shareholders	70.23%
Top 100 Shareholders	87.96%

\*Shareholder distribution as at 30 September 2022

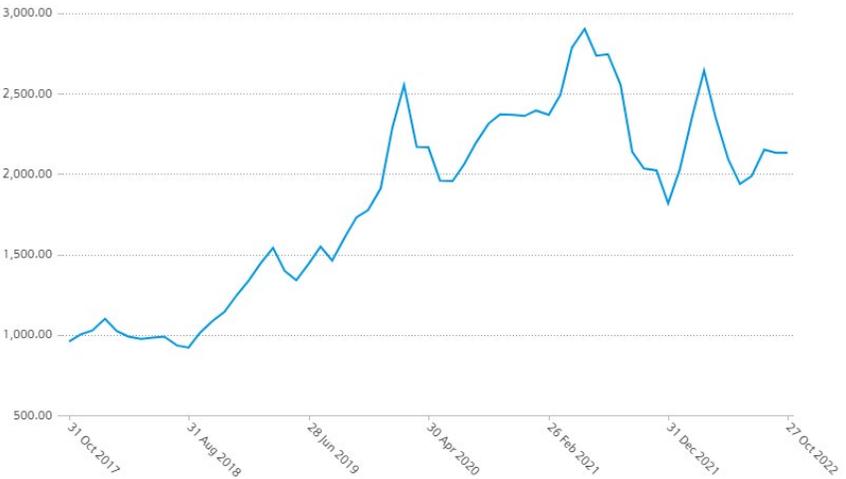
# Supportive Precious Metals Prices

## PGM DEMAND DRIVEN BY GREEN ENERGY TECHNOLOGIES

### PLATINUM

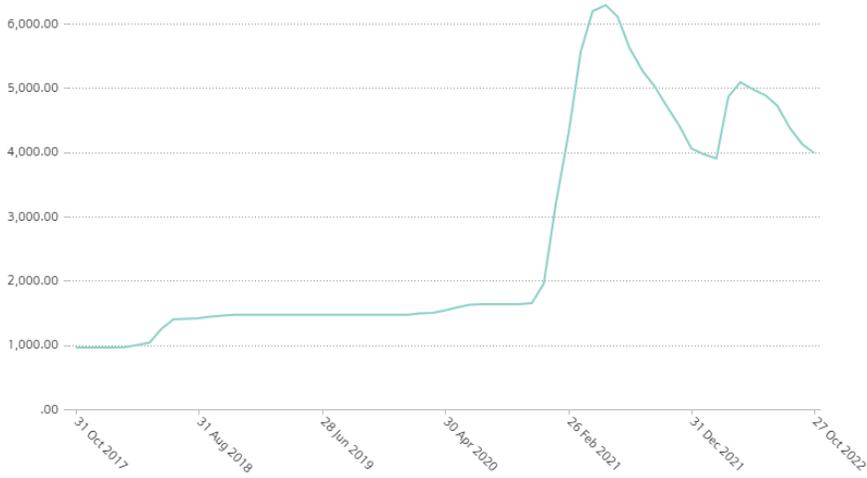


### PALLADIUM

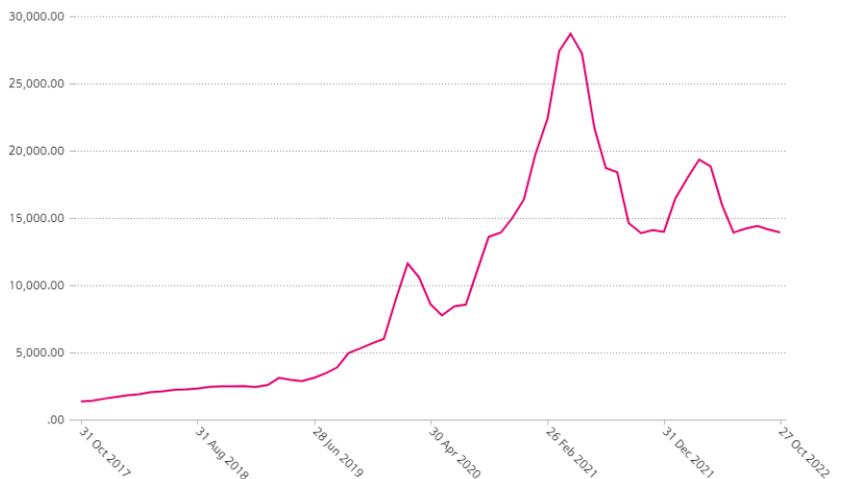


Source: Johnson Matthey

### IRIDIUM



### RHODIUM



# Why Brazil

- Brazil is the 9<sup>th</sup> largest global economy<sup>1</sup>
- Latin America's largest pro-mining jurisdiction
- Vastly under-explored relative to other major mining jurisdictions
- Skilled workforce. Internationally accredited technology, engineering, manufacturing and construction companies
- Extensive infrastructure to support project development
- Transparent mining code
- Brazil has issued a list<sup>2</sup> of critical minerals which include PGMs. These minerals are deemed of special interest to the country<sup>3</sup>



<sup>1</sup> <https://worldpopulationreview.com/countries/by-gdp>

<sup>2</sup> <https://www.in.gov.br/web/dou/-/resolucao-n-2-de-18-de-junho-de-2021-327352416>

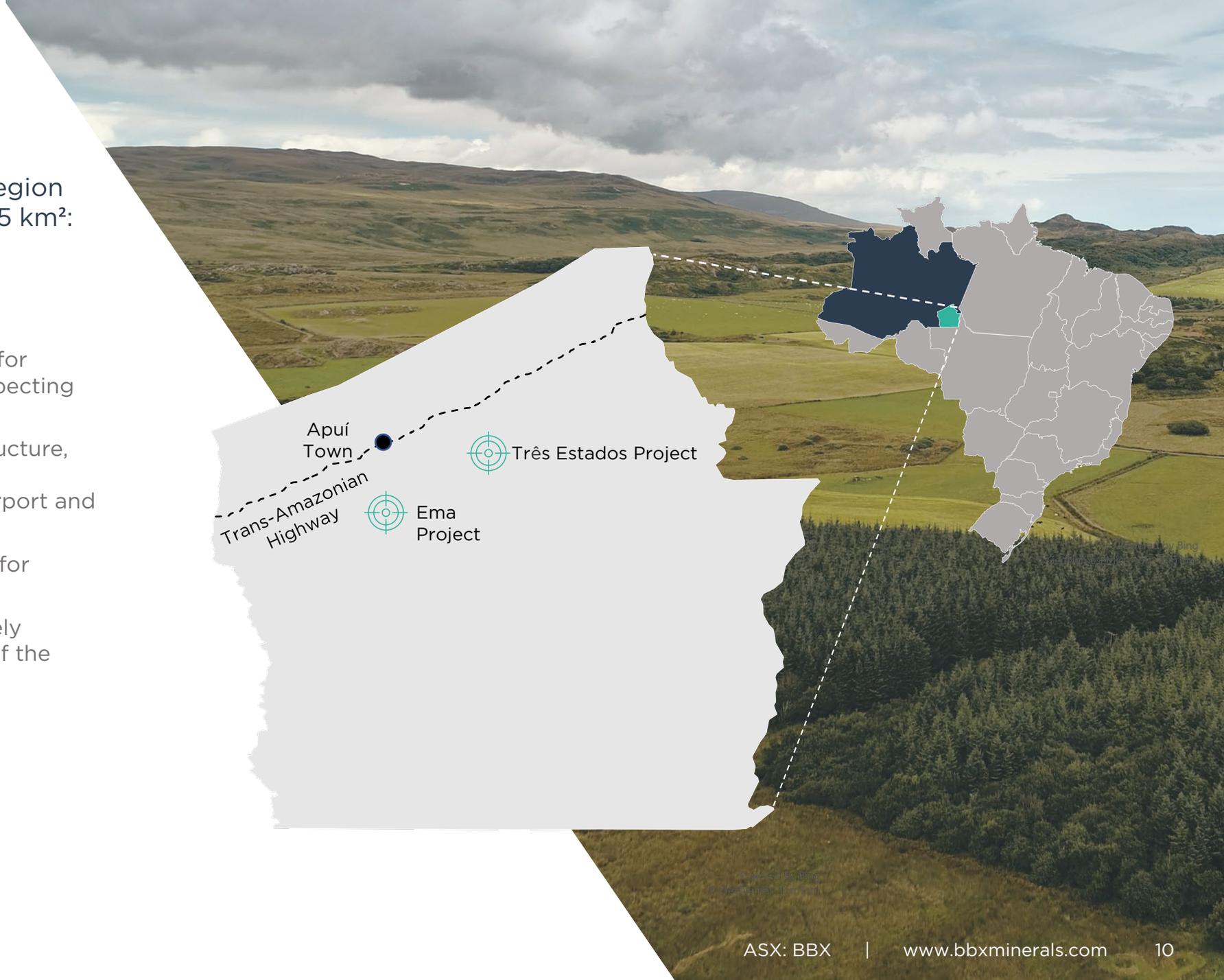
<sup>3</sup> <https://www.mining.com/brazil-to-ease-licencing-of-newly-listed-strategic-minerals/>

# BBX Portfolio

Two projects located in the Apuí region for a total exploration area of 270.5 km<sup>2</sup>:

- Três Estados Project
  - Ema Project
- Favourable geological setting known for Garimpeiro artisanal mining and prospecting activity;
- The Apuí region has excellent infrastructure, including direct access to the Trans-Amazonian Highway, a commercial airport and river port;
- Vastly under-explored area. Potential for precious metals discoveries;
- The Apuí town is located approximately 500km south of Manaus, the capital of the Amazonas State;

**BBX OWNS 100% OF THESE PROJECTS.**



# Três Estados Project



## LOCATION

- ✓ 60km southeast of Apuí;
- ✓ Covers and area of 8,172.25 hectares;



## GEOLOGY AND MINERALISATION

- ✓ Tenement located over a series of gabbroic intrusions defined by prominent E-W and NE-SW magnetic anomalies, local gold-in-soil geochemical anomalies and shallow artisanal gold workings;
- ✓ The principal NE-SW magnetic feature and geochemical anomaly is about 1 km wide and 4 km long;



## JORC RESOURCE

- ✓ MRE containing 590,300 ounces of combined platinum, palladium, iridium, rhodium and gold;
- ✓ The MRE covers only 8% of the known gabbroic bodies at Tres Estados;
- ✓ The Mineral Resource is located at or near surface and is very amenable to surface mining techniques;



## TRIAL MINING LICENCE

- ✓ Application for trial mining lodged. Once approved, BBX will be allowed to mine 50,000 tonnes of mineralised rock per annum. The license is renewed annually;



## DRILLING

- ✓ BBX has drilled a total of 2,273 meters at the Três Estados Project.



# Ema Project



## LOCATION

- ✓ 30km south of Apuí with year-round access by gravel roads;
- ✓ Covers an area of 18,873.91 hectares;



## GEOLOGY AND MINERALISATION

- ✓ Initial soil sampling revealed the presence of an extensive gold-in-soil geochemical anomaly associated with a magnetic low within a high magnetic trend;
- ✓ Geological mapping revealed that the magnetic features are related to mafic intrusives (gabbro) emplaced along a regional structural trend;



## TRIAL MINING LICENCE

- ✓ Trial mining license granted in 2019. It allows BBX to mine 50,000 tonnes of mineralised rock per annum. The license is renewed annually. BBX has applied for renewal;

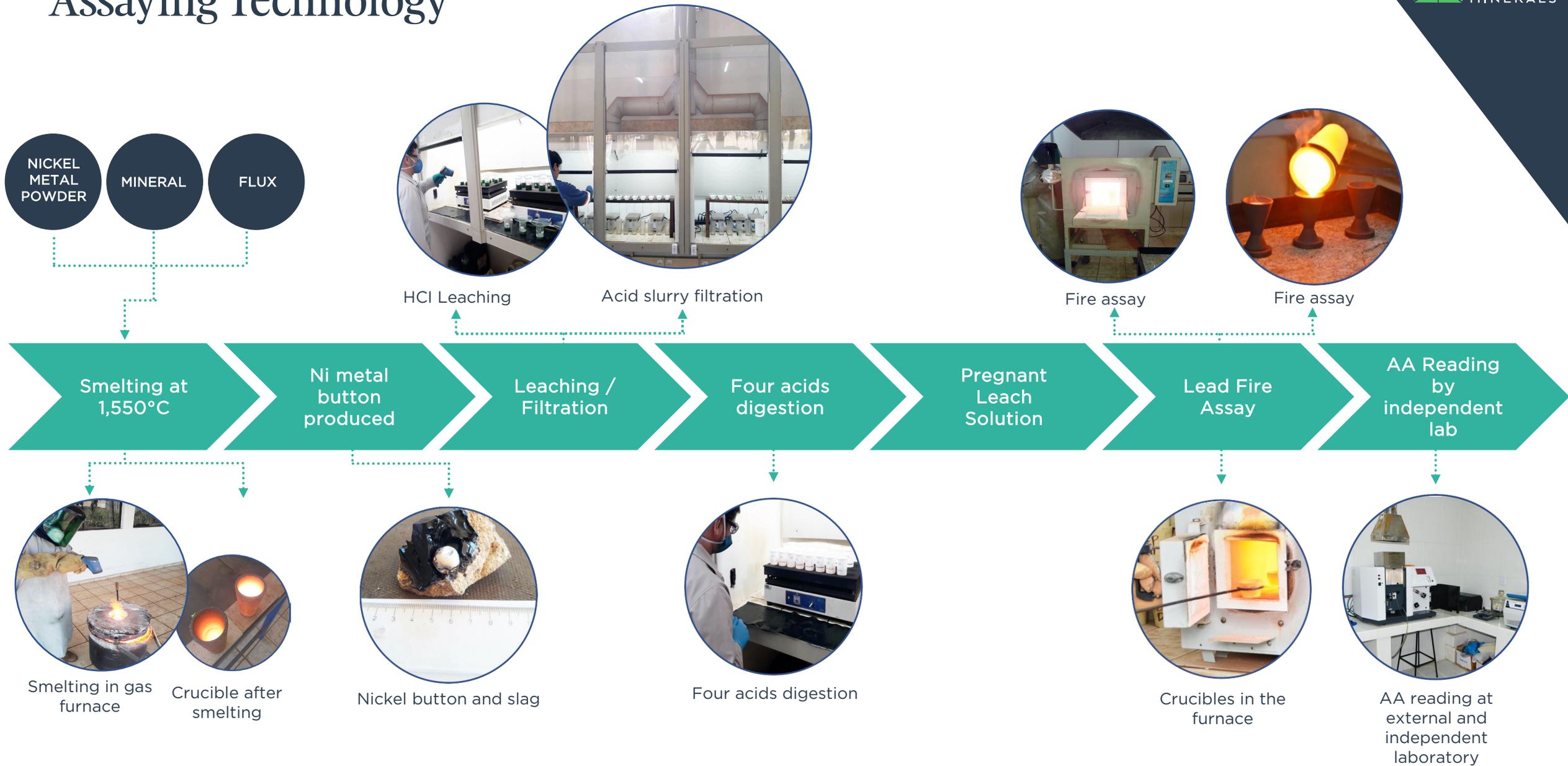


## DRILLING

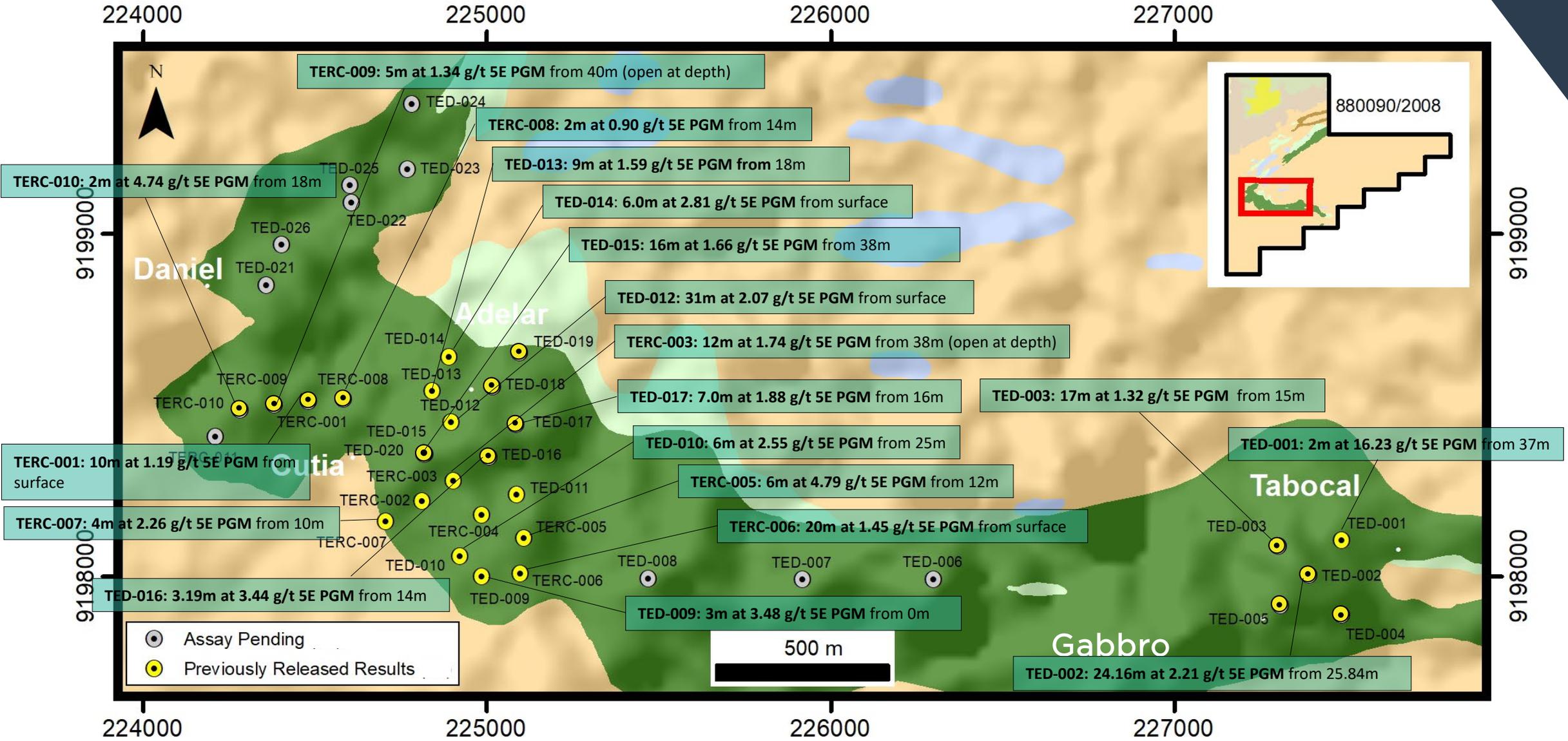
- ✓ BBX has drilled a total of 2,246 meters at the Ema Project.



# Assaying Technology



# Assay Results – Três Estados Project



# JORC Resource – Três Estados Project

590,300 ounces of 5E PGM<sup>1</sup> at 1.168g/t

## MINERAL RESOURCE ESTIMATE<sup>2</sup>

Inferred JORC Mineral Resource Estimate for Adelar contains a total of 590,300 ounces of combined platinum, palladium, iridium, rhodium and gold.

Zone	Class	Tonnes Mt	Pt g/t	Rh g/t	Pd g/t	Au g/t	Ir g/t	5E PGM g/t	5E PGM koz
Oxide	Inferred	4.54	0.880	0.017	0.016	0.017	0.135	1.065	155.0
Fresh		11.17	0.970	0.017	0.012	0.043	0.174	1.216	435.5
Total		15.71	0.940	0.017	0.013	0.035	0.163	1.168	590.3

Zone	Class	Mass Mt	Pt g/t	Rh g/t	Pd g/t	Au g/t	Ir g/t	5E g/t	Pt koz	Rh koz	Pd koz	Au koz	Ir koz
Oxide	Inferred	4.54	0.88	0.017	0.016	0.017	0.135	1.061	127.9	2.5	2.4	2.4	19.8
Fresh		11.17	0.97	0.017	0.012	0.043	0.174	1.213	347.0	6.1	4.4	15.4	62.6
Total		15.71	0.94	0.017	0.013	0.035	0.163	1.169	474.9	8.5	6.8	17.8	82.3

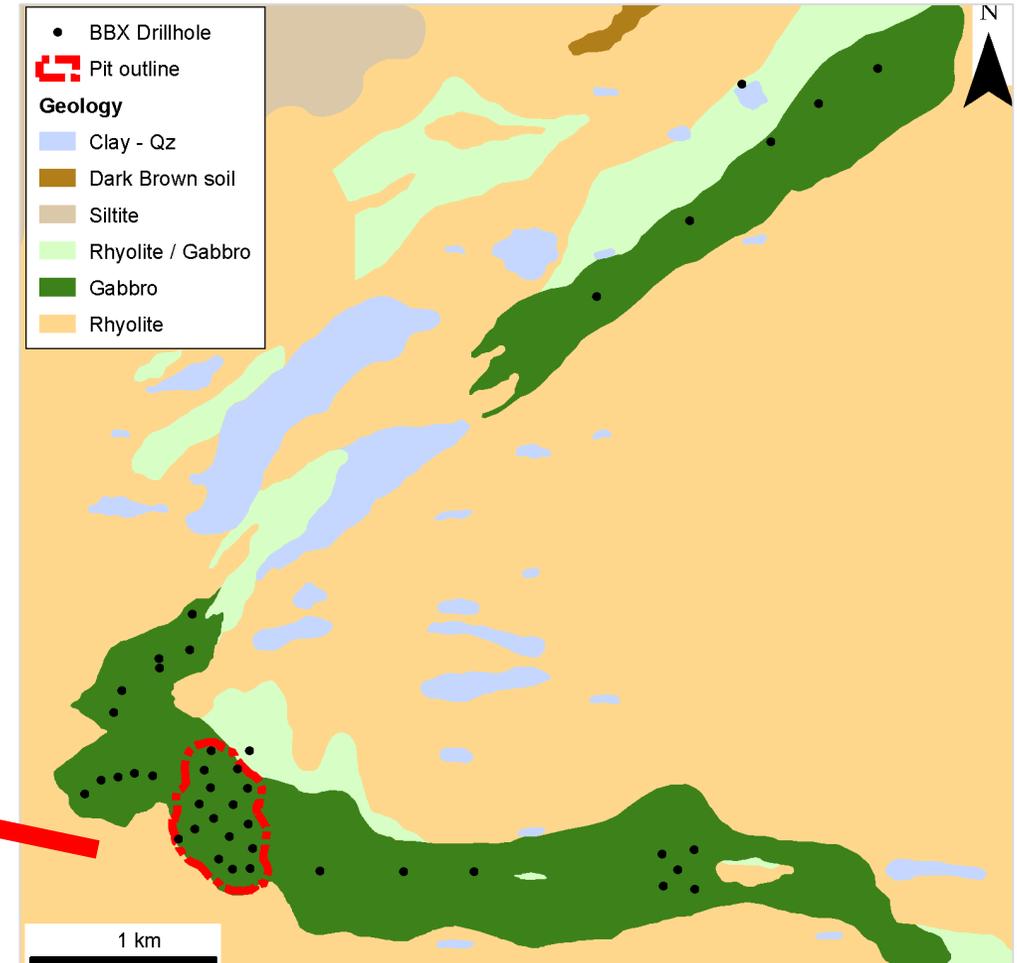
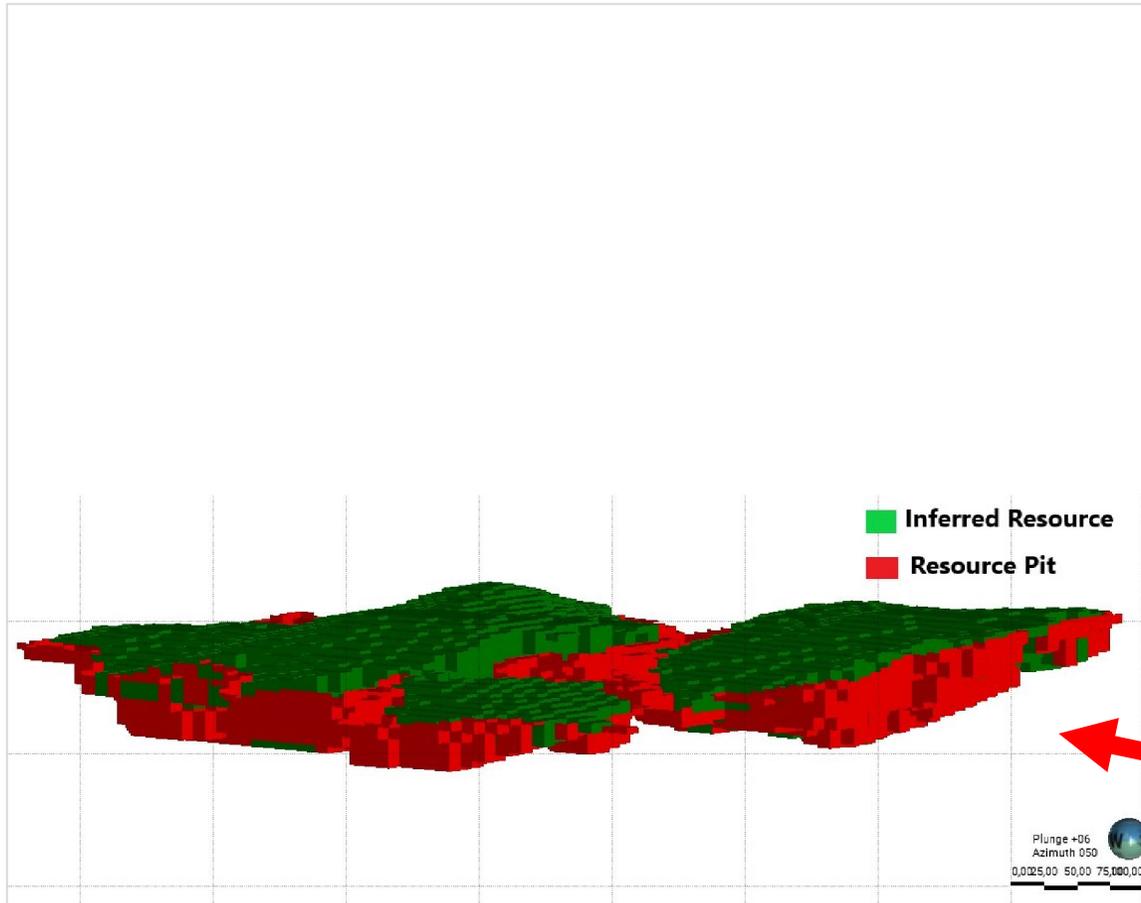
Summed amounts may not add due to rounding.

1. 5E PGM refers to the sum of platinum (Pt), palladium (Pd), iridium (Ir), rhodium (Rh) and gold (Au) expressed in units of g/t  
 2. Refer to ASX Announcement dated 25 August 2022

# JORC Resource – Três Estados Project

## Pit-shell over target area

The Inferred Mineral Resource covers an area of 31 Ha which represents **only 8%** of the known gabbroic bodies at Tres Estados.



# PGM'S Market

## STRONG DEMAND DRIVEN BY GREEN ENERGY TECHNOLOGIES

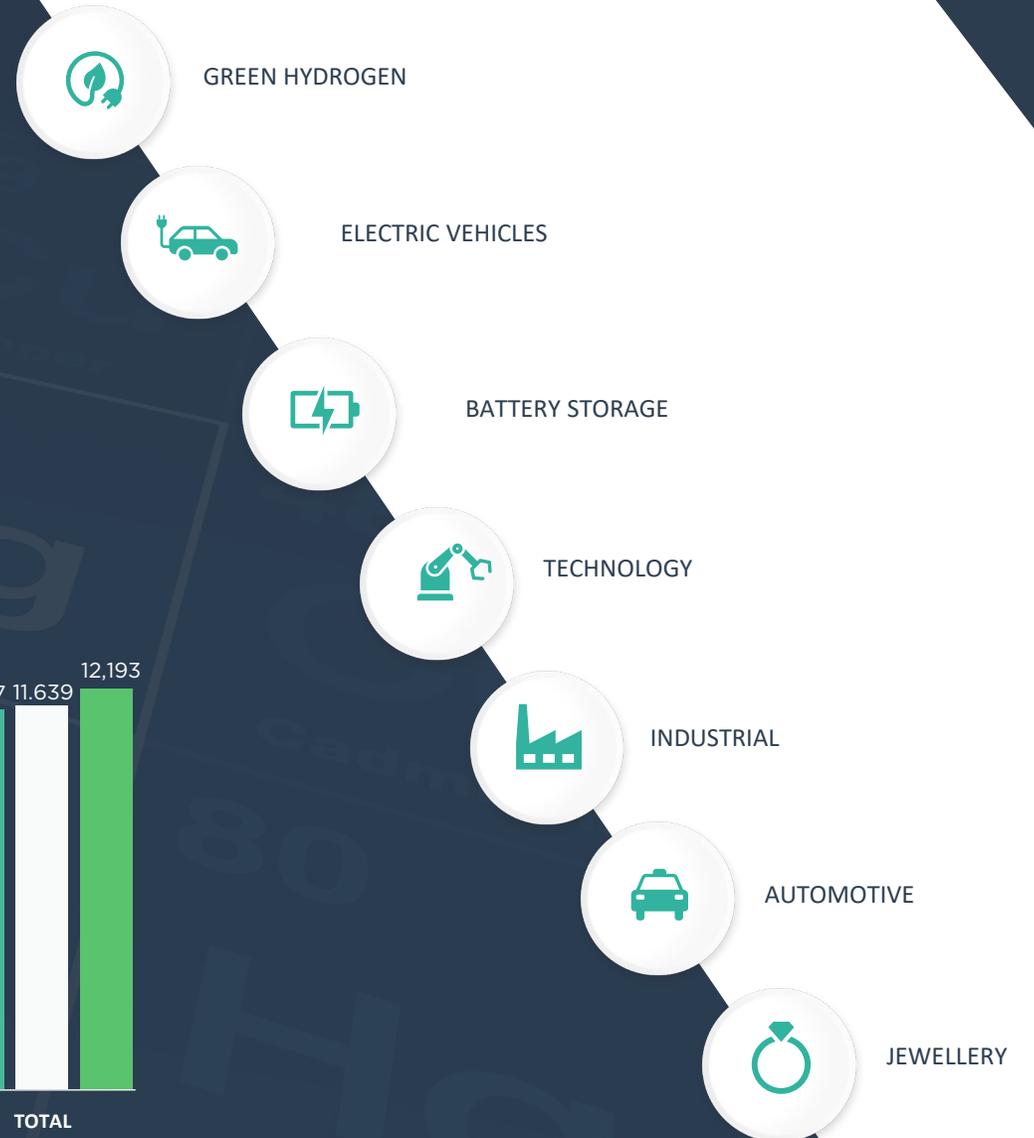
- During early 2021, all the PGM except platinum traded significantly above historical levels, as constrained supplies and an improvement in demand created acute liquidity squeezes.
- War in Ukraine has created significant risks to supply given Russia's position as a main producer.
- From July 2021, all Chinese heavy duty diesel trucks were fitted with PGM catalysts.
- PGMs are critically needed for green hydrogen technologies.
- Palladium markets expecting shortages from 2023.

## COMBINED PT, PD, RH AUTOMOTIVE DEMAND

Gross demand '000 oz

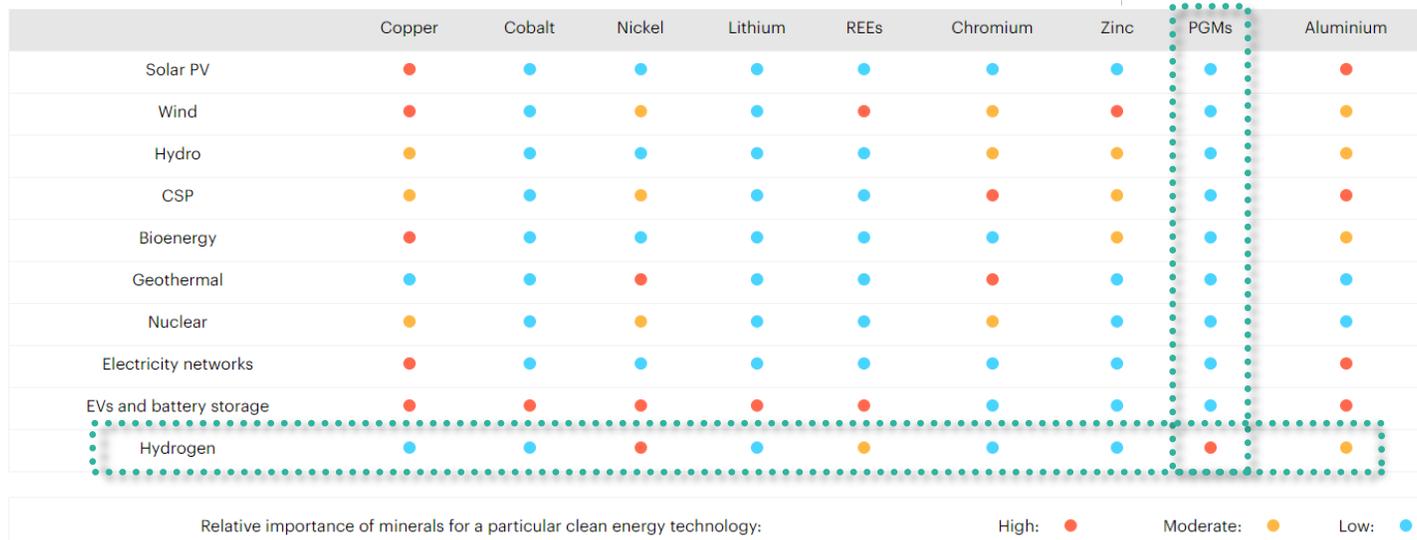


## OTHER USES ARE:



# PGM's Market

PGMS ARE RATED AS HIGHLY CRITICAL FOR CLEAN HYDROGEN TECHNOLOGIES



Source: [iea.org](https://www.iea.org). The role of Critical Minerals in Clean Energy Transitions

# Our Sustainability Strategy



# Environmental, Social and Corporate Governance

BBX is committed to becoming a leading example. We abide by all government regulations and adhere to international best practice in sustainability, community relations and corporate governance.



## LOCAL PARTNERSHIPS

- ✓ Establish and maintain solid relationships with communities and governments.
- ✓ Community acceptance of BBX's projects.
- ✓ Utilise local labour and spend locally where possible.
- ✓ Contribute to community programmes including health and education.



## ENVIRONMENTAL IMPACT AND IMPROVEMENTS

- ✓ Proactively mitigate environmental impact. Key assets in clear farmland.
- ✓ Place high priority on environmental impact studies.
- ✓ Strive for the least possible impact on the environment.
- ✓ Improve standards by implementing international best practice.



## CREATING POSITIVE SOCIAL CHANGES

- ✓ Develop skills locally and target local employment.
- ✓ Aim to procure goods and services locally.
- ✓ Building sustainable communities.
- ✓ Promoting a safe working environment.
- ✓ 11 years operating in Brazil without a single lost-time accident.

# Next steps



```
graph LR; A((Complete assaying program at Três Estados and Ema)) --- B((Define and update JORC resource)); B --- C((Complete metallurgical test work)); C --- D((Complete development drilling)); D --- E((Progress development studies));
```

Complete assaying program at Três Estados and Ema

Define and update JORC resource

Complete metallurgical test work

Complete development drilling

Progress development studies

# Thank You

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## ANDRE J. DOUCHANE, CEO

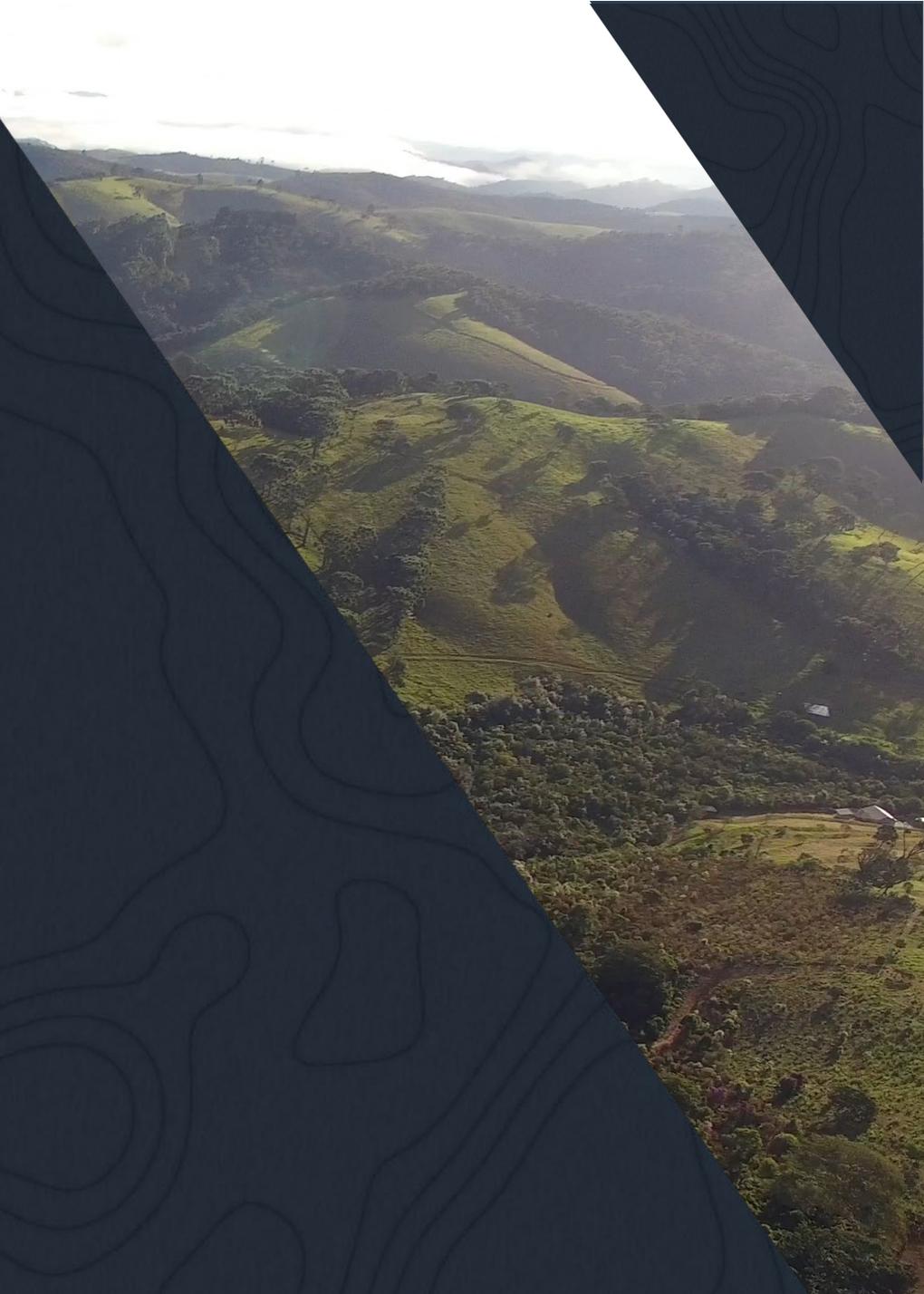
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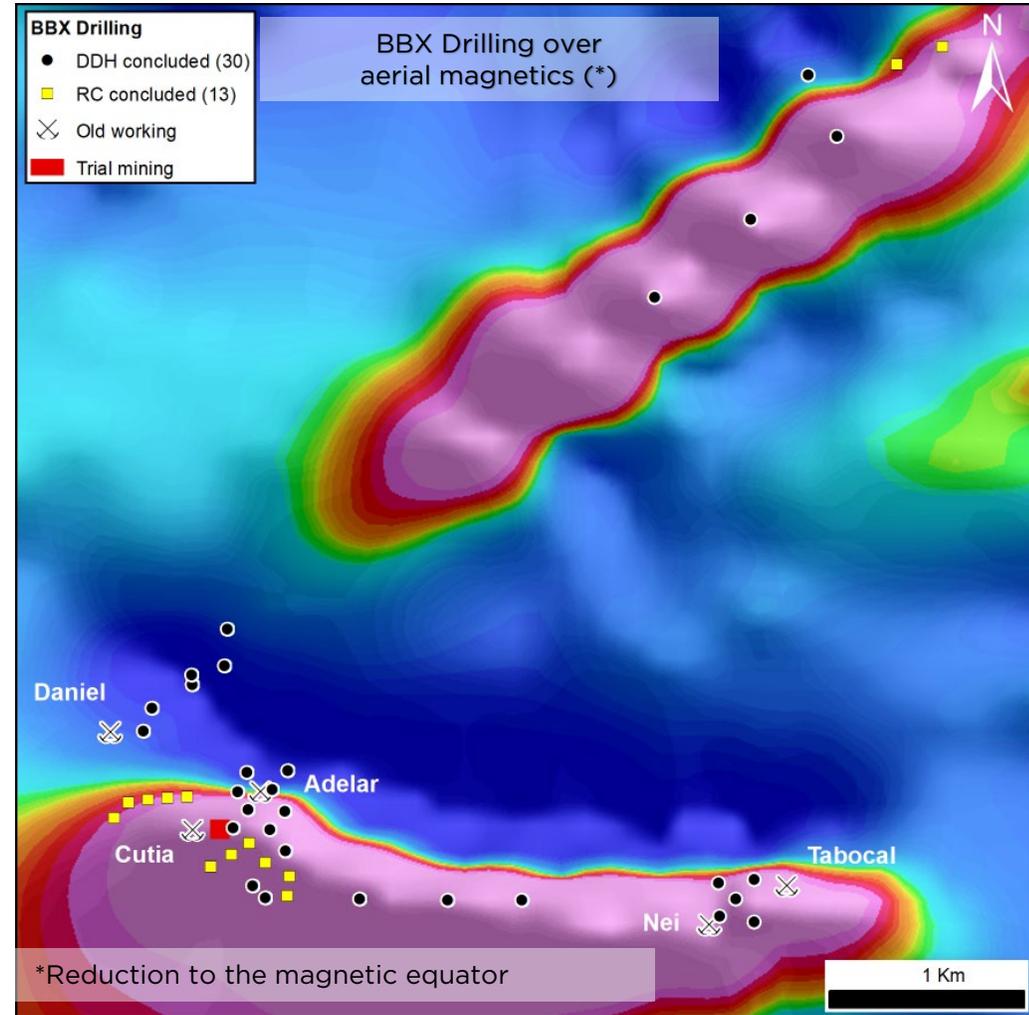
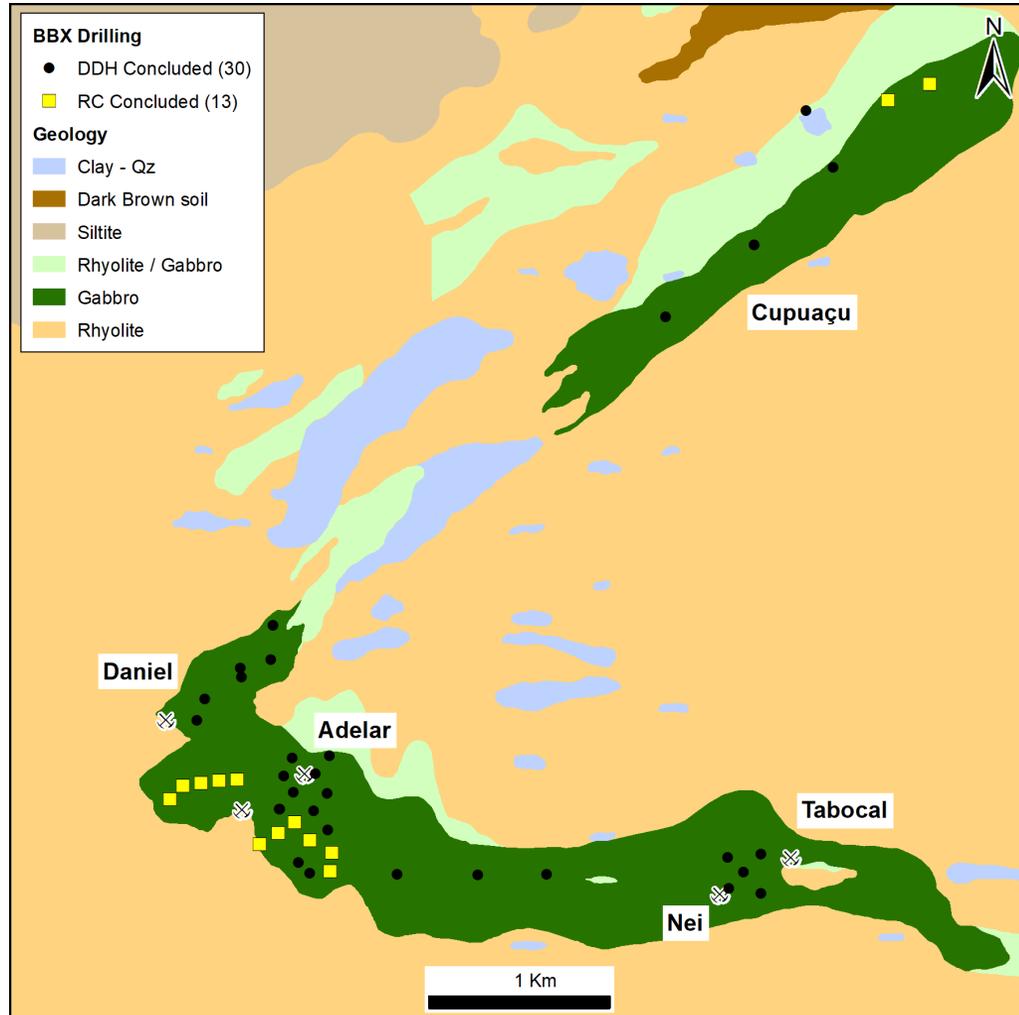




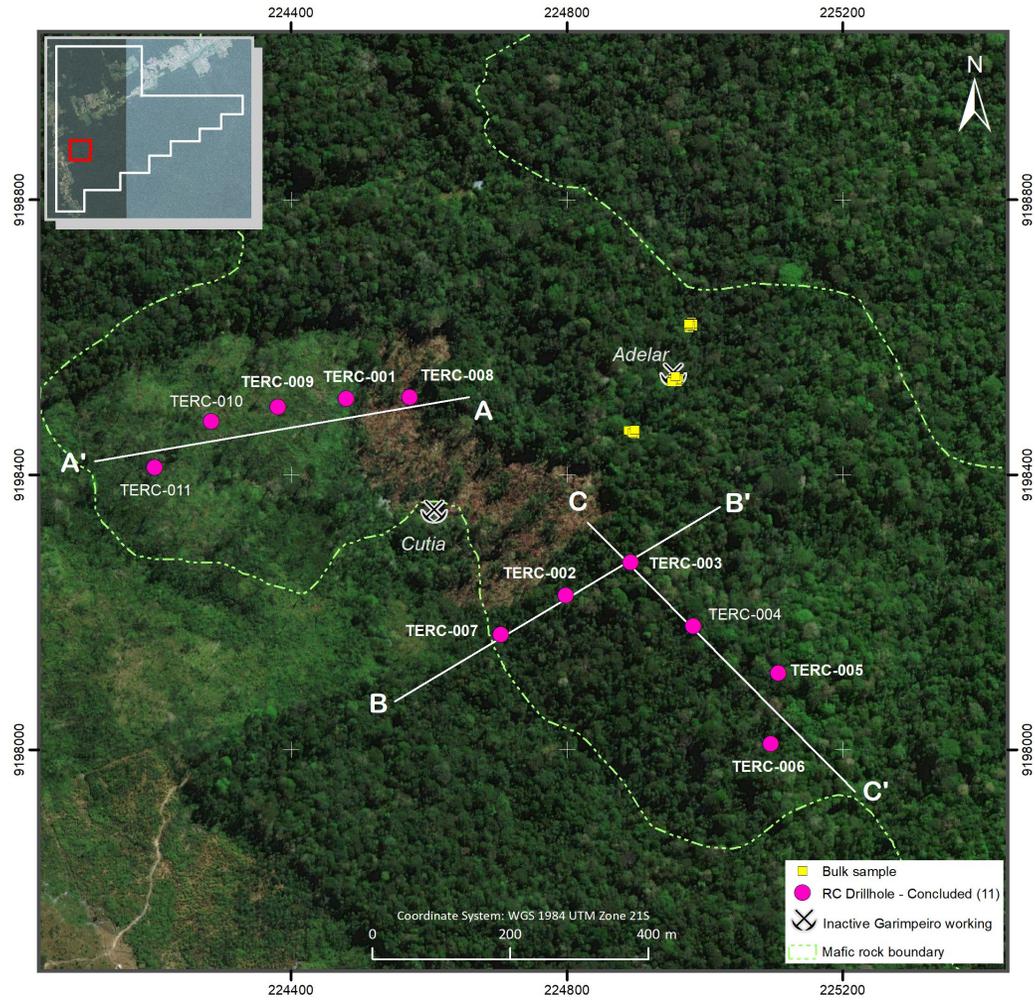
# Appendices



# Três Estados Project Drilling



# Três Estados Project Drilling



# Ema Project Drilling

