

GOLD MOUNTAIN

CRITICAL MINERALS FOR THE CLEAN ENERGY TRANSITION

ASX: GMN | CORPORATE PRESENTATION | FEBRUARY 2024

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EXPERIENCED BOARD AND MANAGEMENT



David Evans
Executive Director

- Founder, executive director and major shareholder of Mars Mines Limited with business experience spanning over 29 years in the mining and financial services sectors and as an entrepreneur and Company founder/Director.
- An experienced ASX investor and GMN shareholder.
- B.Sc. (Geology/Environmental Science).



Aharon Zaetz
Non-Executive Director

- A lawyer and experienced director bringing many years of legal expertise in corporate law, mergers and acquisitions, and business negotiations to his role including experience negotiating with tenement holders and landowners.
- A seasoned lawyer assisting clients from start-ups to established corporations.
- An experienced ASX investor and GMN shareholder.
- Dip Law.



Syed Hizam
Non-Executive Director

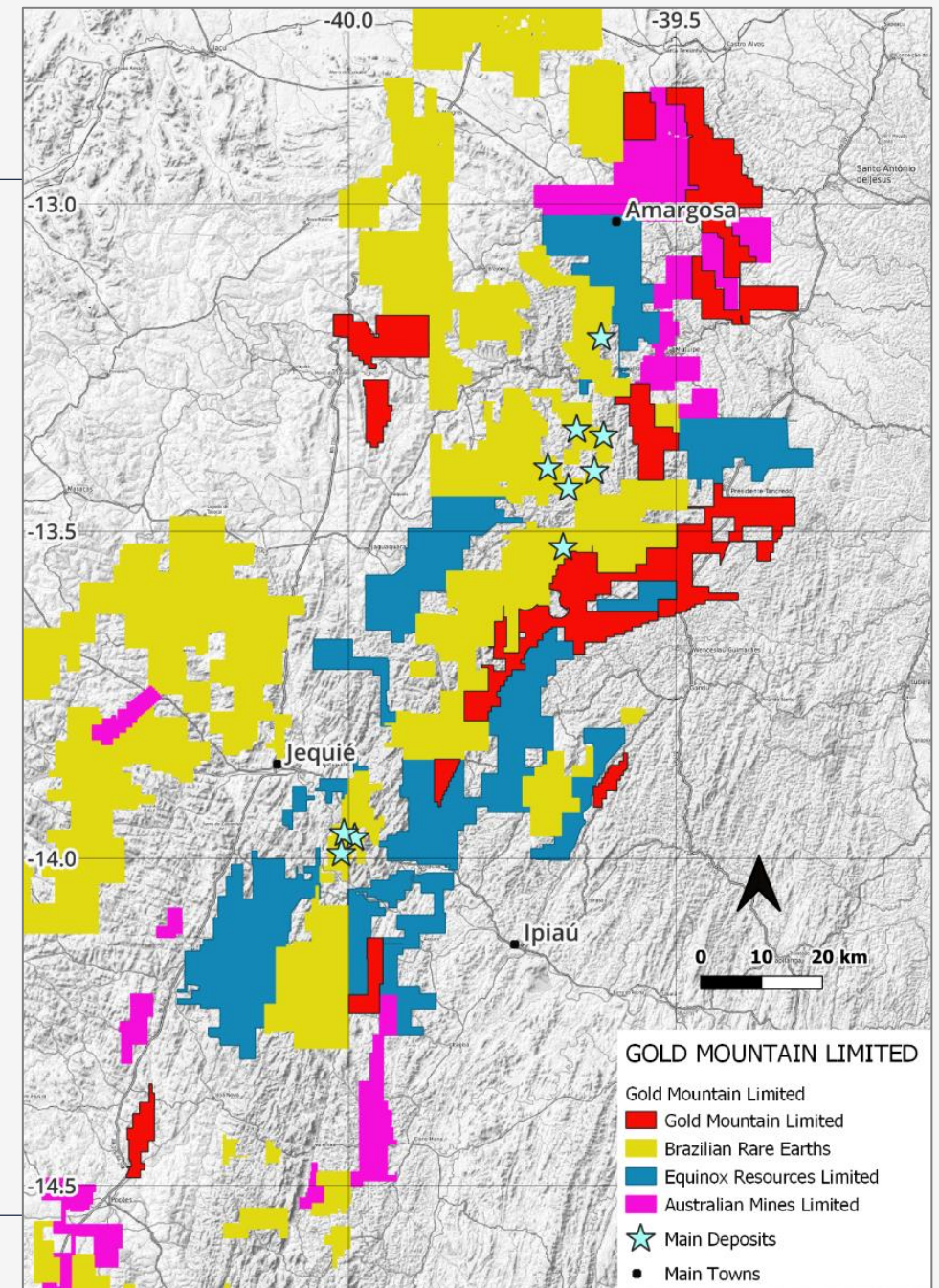
- Extensive global experience working in various roles and is currently a Non-Executive Director in a finance company in Saudi Arabia.
- Prior to this, he worked in various leadership positions in the Industrial Product Sector, Education, Textile, Semiconductor and Satellite Industry in Malaysia, Australia and the United States.
- Bachelor's Degree (Finance and Economics)

CORPORATE OVERVIEW

Share price (as 05/03/2024)	\$0.004
Market capitalisation	\$12.4 million
Current cash	\$0.125 million
Shares on issue	2.87 billion
Options on issue	1.05 billion

INVESTMENT HIGHLIGHTS

- Exposure to a portfolio of assets across rare earths, niobium, lithium and copper in Brazil
- **Rare Earth** exposure comprises 1,096km² of tenements Adjacent to and along strike of Brazilian Rare Earths' (BRE:ASX) project
- Tenements cover high thorium anomalies
- **Rare earth** exploration program commenced, with near term news flow anticipated
- Significant tenement package (48 granted, 1 pending) in Lithium Valley (home to Latin Resources (ASX:LRS) and Sigma Lithium (NASDAQ:SGML))



COMPELLING VALUE PROPOSITION

Brazil

REE

- GMN has ground contiguous with known IAC (ionic adsorption clay) type mineralisation
- Brazil ranks third globally in hard rock REE reserves

Lithium

- GMN has one of the largest land footprints in the prized Lithium Valley and Borborema regions, which host some of the largest pegmatite occurrences in the world

Copper

- Good geology, mapped mineral occurrences of IOCG copper within GMN tenements.



Critical minerals projects aligned to clean energy transition

PNG: Cu-Au

- GMN projects situated in PNG's Papuan Mobile Belt, host to world-renowned copper-gold and gold deposits (Grasberg, Porgera, Ok Tedi, Frieda River, Wafi/Golpu) and Hidden Valley

BRAZIL IS THE EMERGING REE AND LITHIUM JURISDICTION

- GMN has projects targeting REE, lithium and Copper in world class mining provinces.
- Brazil's abundant IAC rare earth resources solidify its position as a key contributor to meeting the rising global demand for heavy rare earths. Brazil also holds 94% of world Nb reserves.
- Lithium valley in Brazil host's some major lithium producers as well as some high-profile explorers.
- Abundant indicator minerals for additional LCT pegmatites are present within the tenements.
- Brazil has world class IOCG copper deposits and GMN has IOCG copper in its tenements



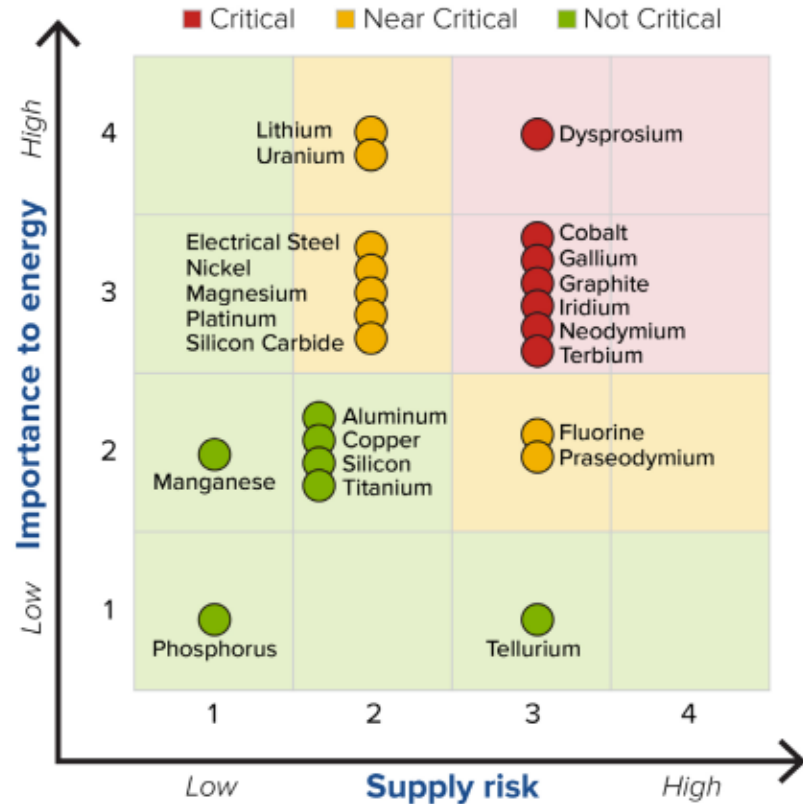
BRAZIL IS THE EMERGING REE AND LITHIUM JURISDICTION

- GMN has projects targeting REE, lithium and Copper in world class mining provinces.
- Brazil's abundant IAC rare earth resources solidify its position as a key contributor to meeting the rising global demand for heavy rare earths. Its dominance as a supplier of niobium make it the most important Niobium province in the world.
- Lithium valley in Brazil host's some major lithium producers as well as some high-profile explorers.
- Abundant indicator minerals for additional LCT pegmatites are present within the tenements.
- Brazil is well known as having world class IOCG Copper deposits, GMN has IOCG Cu in its tenements

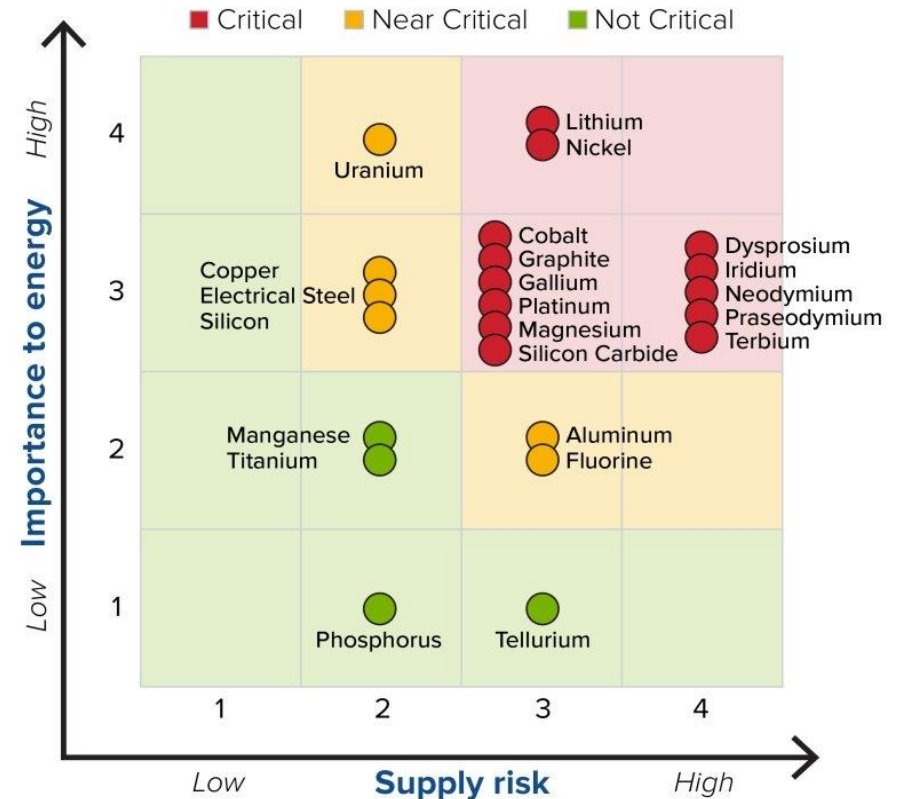


CRITICAL MINERAL TRENDS

SHORT TERM 2020-2025



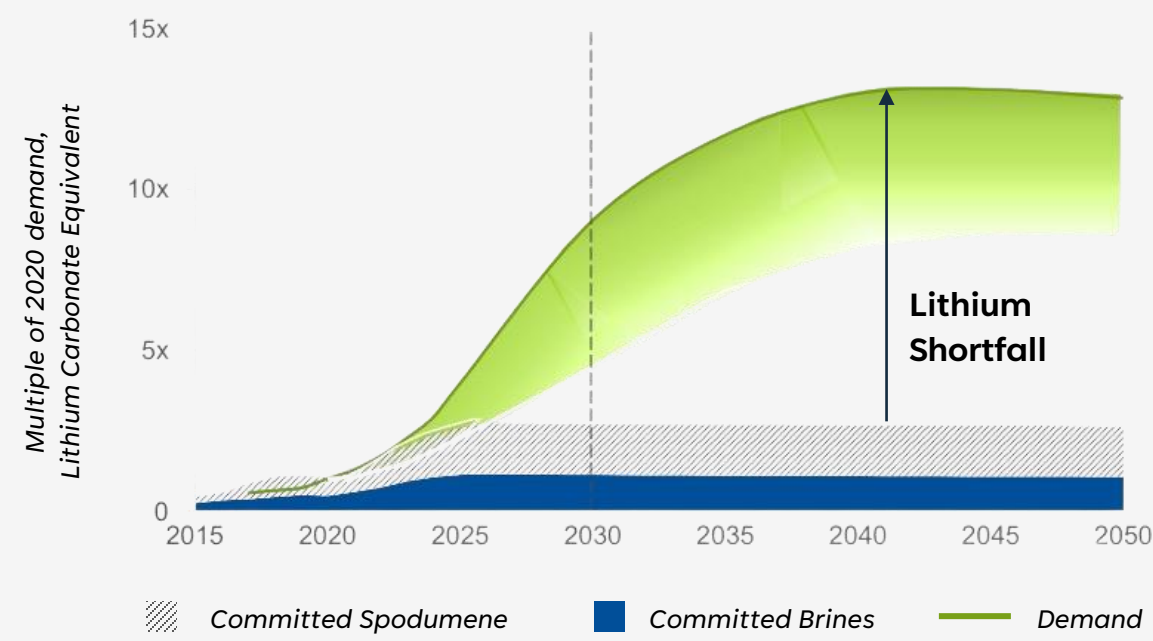
MEDIUM TERM 2025-2035



Source: U.S. Department of Energy, Critical Materials Assessment 2023

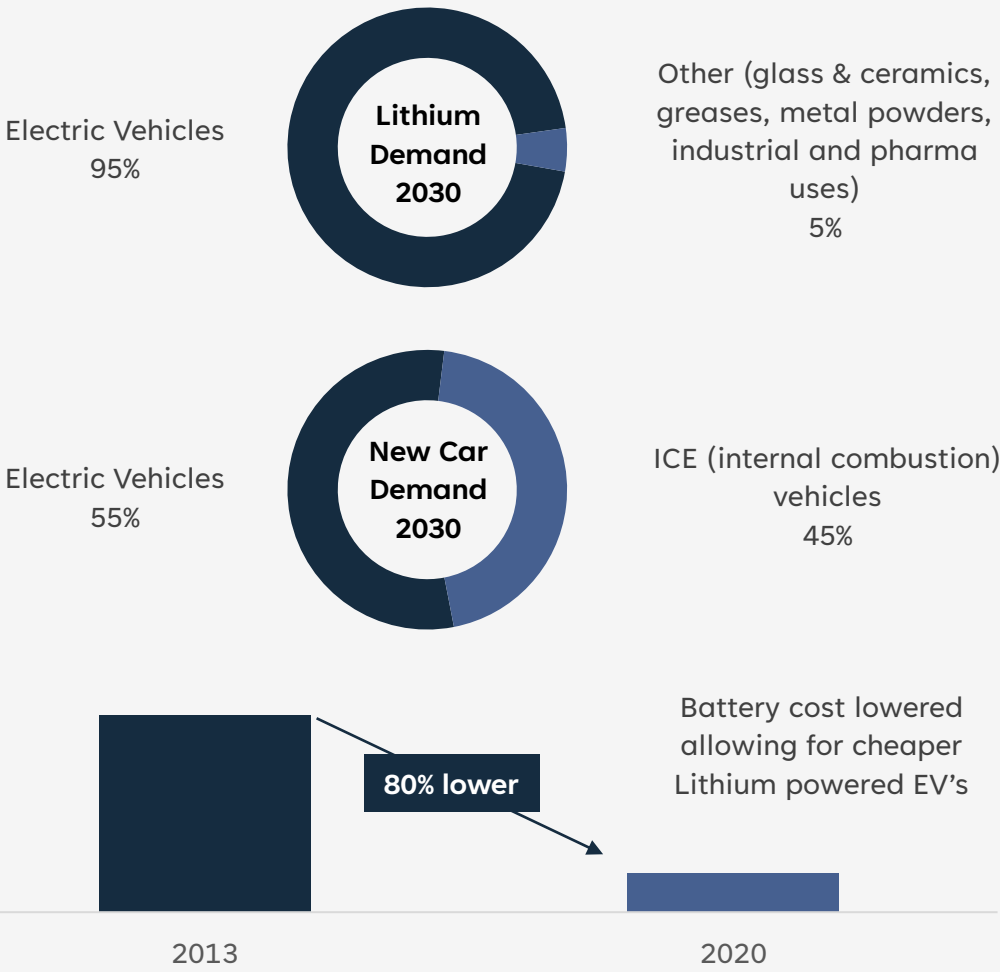
PERSISTENT LITHIUM SUPPLY SHORTFALL

Lithium demand and supply in net zero carbon scenario



Source: Rio Tinto

Huge lithium supply shortfall requires many new mines with lithium recycling insignificant for a long time



The background is a dark blue gradient. It features several semi-transparent, glowing blue wireframe models of cars, shown from a side profile. In the upper portion of the image, there are three vertical rectangular shapes, each containing a glowing yellow lightning bolt icon, representing batteries or energy storage. The overall aesthetic is futuristic and technological.

BRAZIL: REE

SIGNIFICANT TENEMENTS PROSPECTIVE FOR REE

Gold Mountain holds 62 tenements (Inc. 13 applications) in the Jequié Block of the Sao Francisco craton

1,096km² within the REE province in Eastern Bahia, Brazil, with high grade Niobium also found in the region

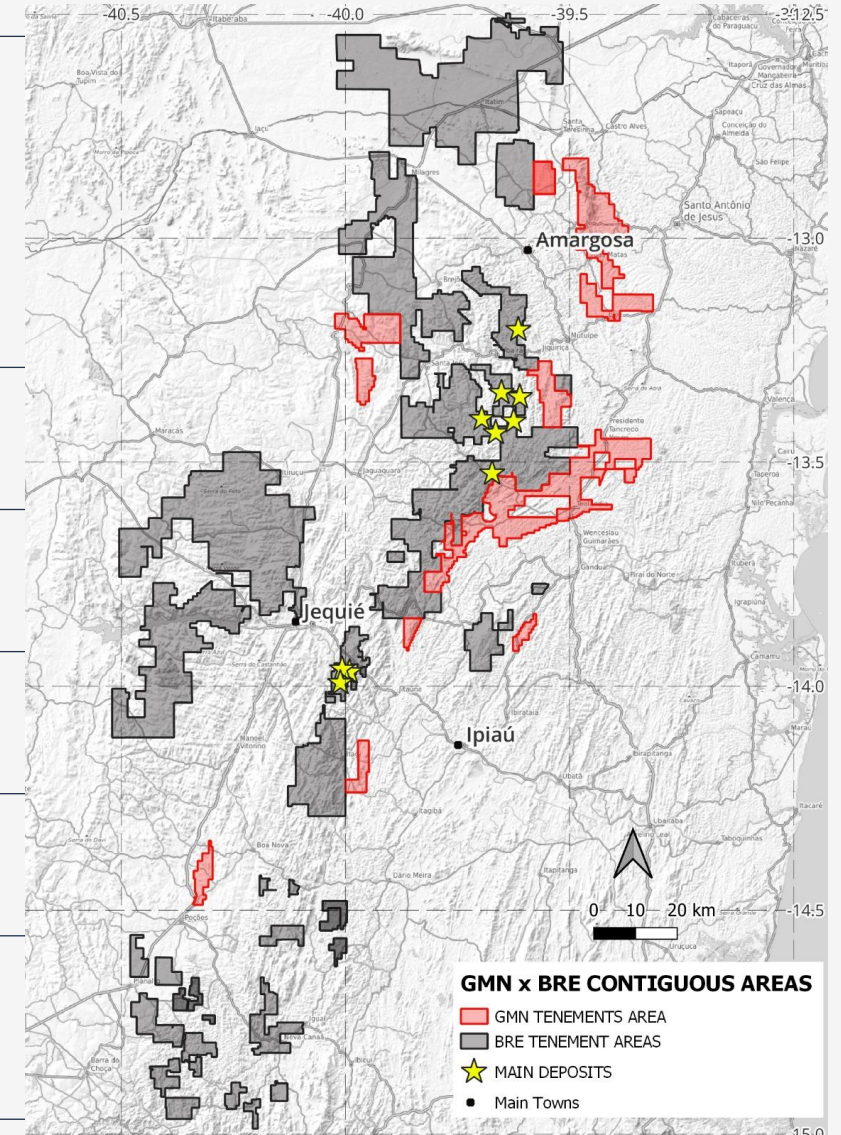
Located close to road and rail to ports within 250 km

Mining friendly State

Major shear zones within main Jequié tenements block

Adjacent to and along strike from REE tenements (BRE) with Ionic Clay type deposits with confirmed simple metallurgical characteristics

BRE tenements contain a JORC compliant 510Mt Inferred resource @1,513 ppm Total Rare Earth Oxide with over 20% magnet Rare Earth Oxides



FAVOURABLE GEOLOGY PROSPECTIVE FOR REE

Gold Mountain holds 62 tenements (Inc. 13 applications) in the Jequié Block of the Sao Francisco craton

1,096km² within the REE province in Eastern Bahia, Brazil, with high grade Niobium also found in the region

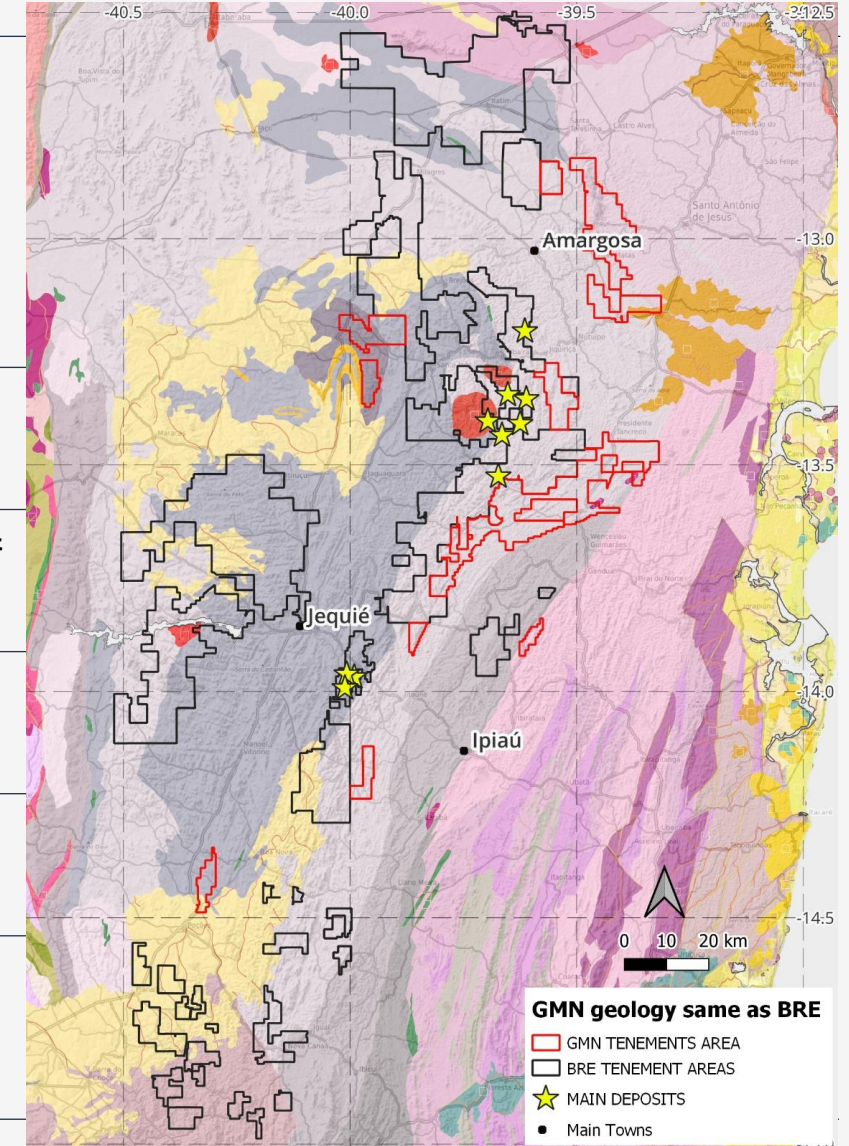
Tenements cover high thorium anomalies and geology now recognised as highly prospective for REE

Presence of well preserved lateritic profiles, partially eroded with mapping of lateritic or other old surfaces in progress

Major shear zones within main Jequié tenements block within and between mapped units

Adjacent to and along strike from REE tenements (BRE) with Ionic Clay type deposits with confirmed simple metallurgical characteristics

BRE tenements contain a series of known significant REE deposits, despite relatively little exploration to date. Many occurrences of hard rock REE in ultramafics also known.



WEATHERING PROFILES PROSPECTIVE FOR REE

Gold Mountain holds 62 tenements (Inc. 13 applications) in the Jequié Block of the Sao Francisco craton

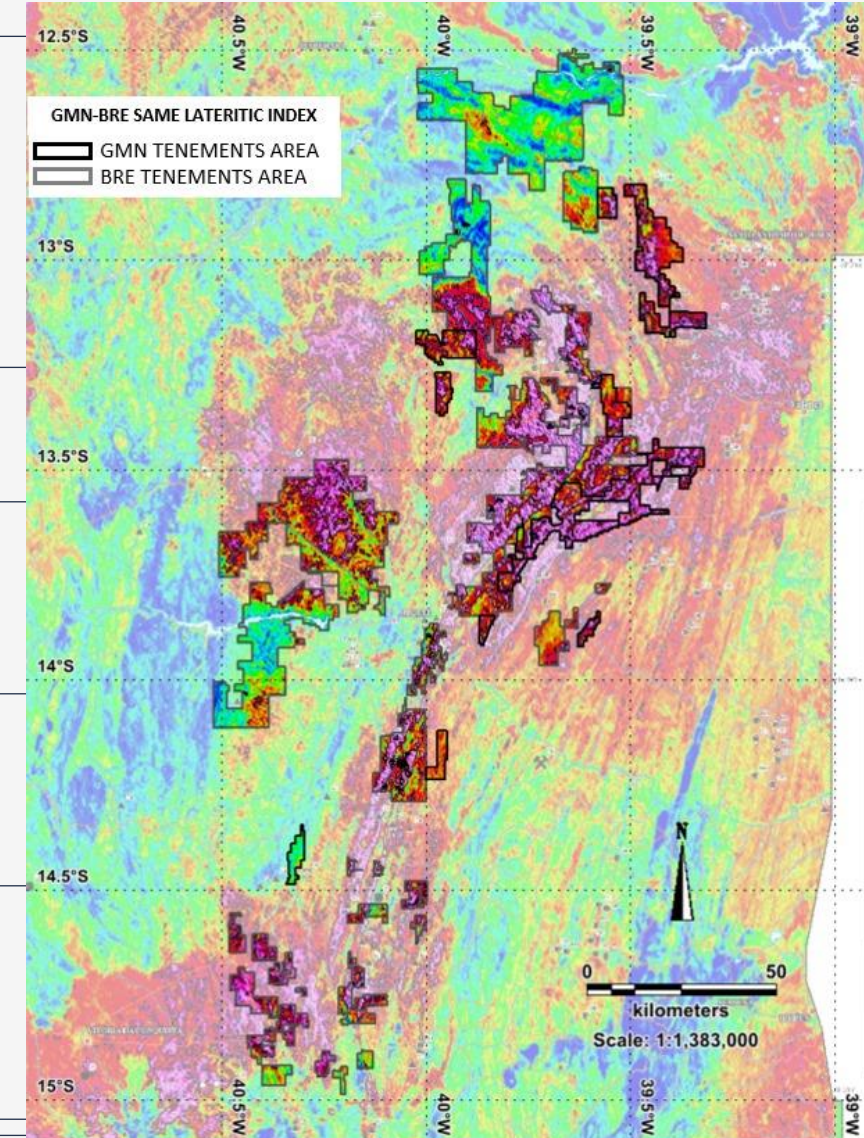
1,096km² within the REE province in Eastern Bahia, Brazil, with high grade Niobium also found in the region

Tenements cover similar laterite with good preservation, critical for preservation of the IAC type REE deposits.

Presence of well preserved lateritic profiles, considered to have depth extent of at least 10 metres and continuous over wide areas in the highest index areas

Adjacent to and along strike from REE tenements (BRE) with Ionic Clay type deposits with confirmed simple metallurgical characteristics

BRE tenements contain a series of known significant IAC type REE deposits, GMN tenements have similar weathering and profile preservation characteristics.

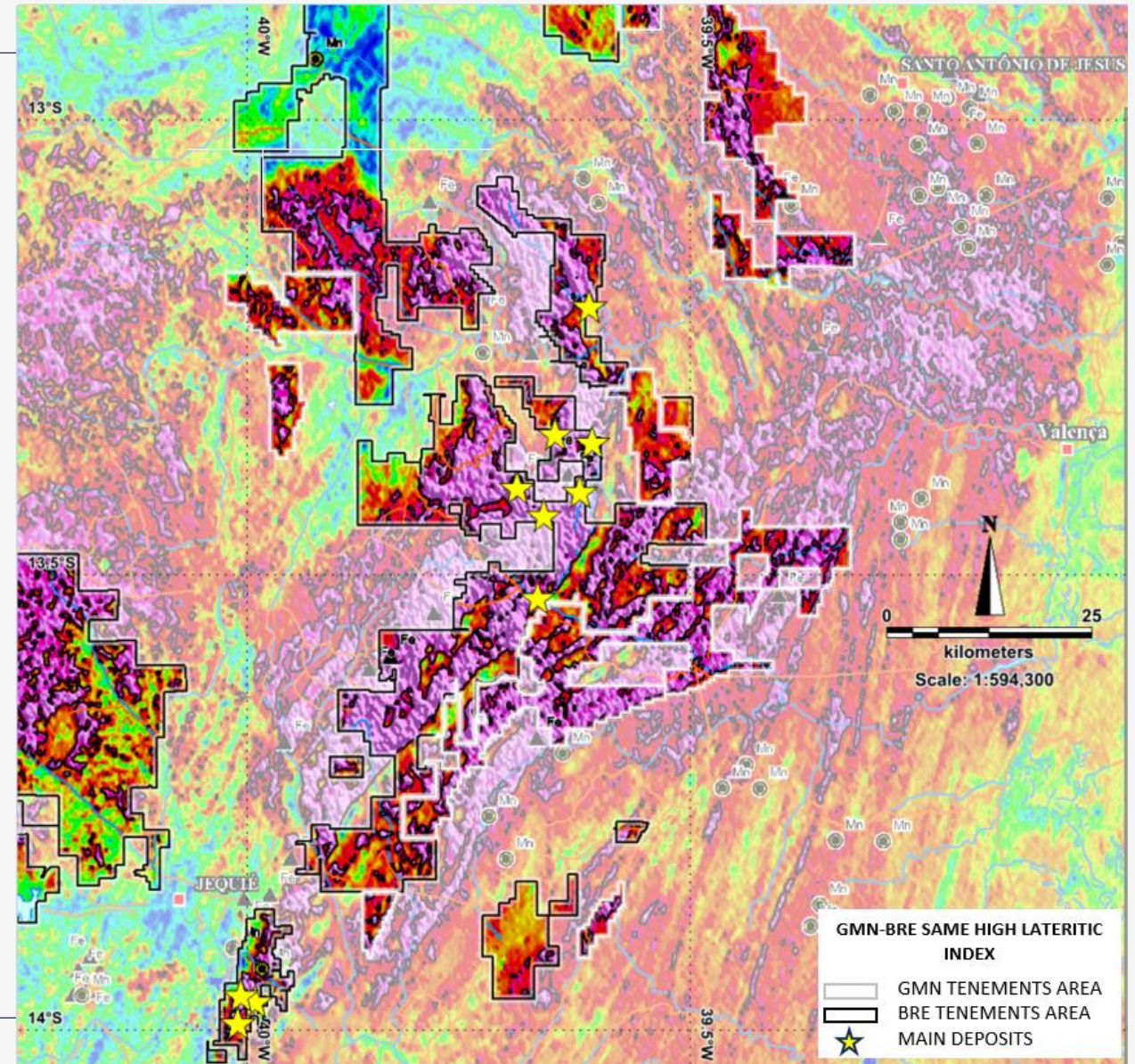


DETAIL OF WEATHERING PROFILES PROSPECTIVE FOR REE

Pink areas show extreme weathering where a high probability of fully or near fully preserved Laterite profiles is present.

Laterite profiles have an iron rich top over the clays that contain IAC type REE deposits

BRE has deposits, shown as yellow stars



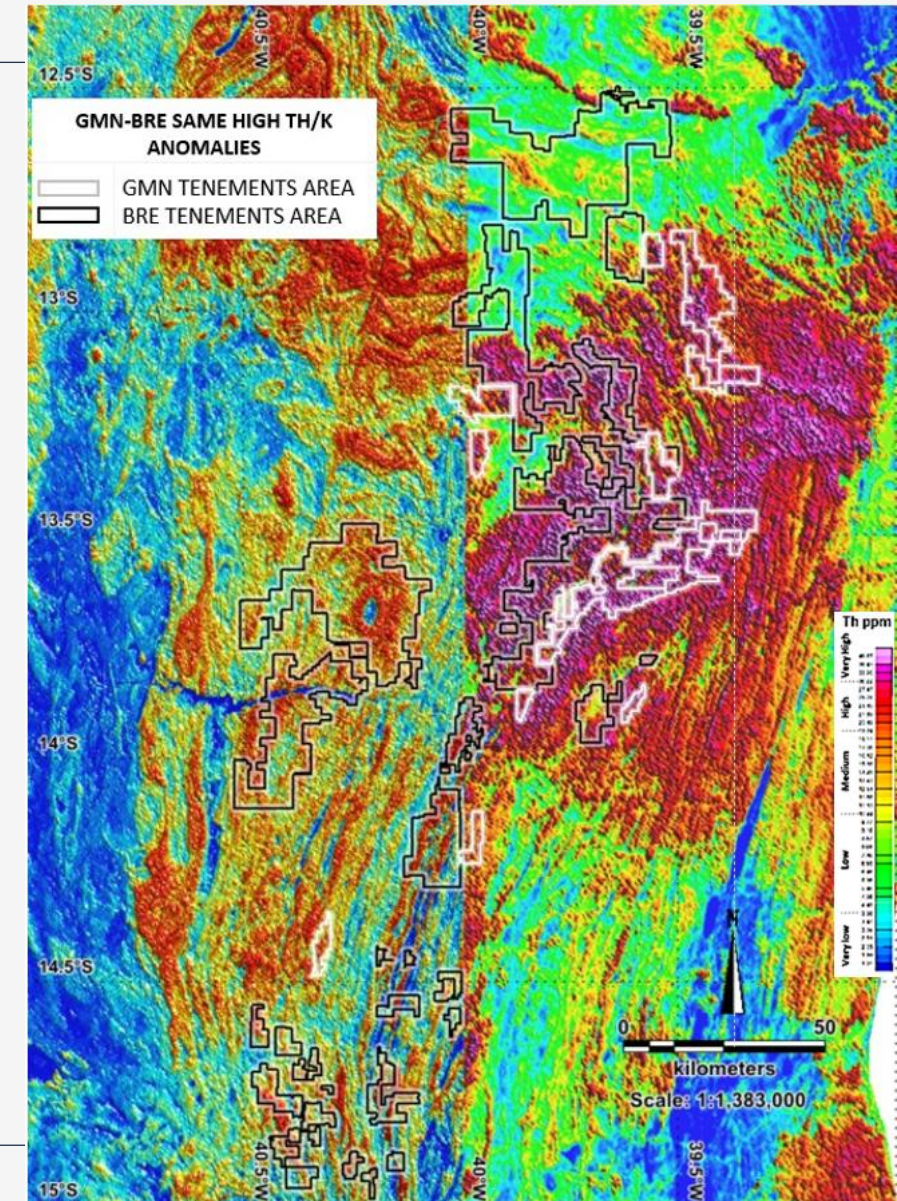
THORIUM ANOMALIES - PROSPECTIVE FOR REE

No known exploration for REE or other minerals has been carried out on the GMN licence applications at Jequié. Extensive REE exploration on the adjacent BRE ground as well as bauxite exploration, with bauxite samples now being analysed for REE by BRE.

GMN tenements (white outline) lie within the 20-50 km wide radiometric thorium-uranium anomaly (red colours) which defines a REE productive zone.

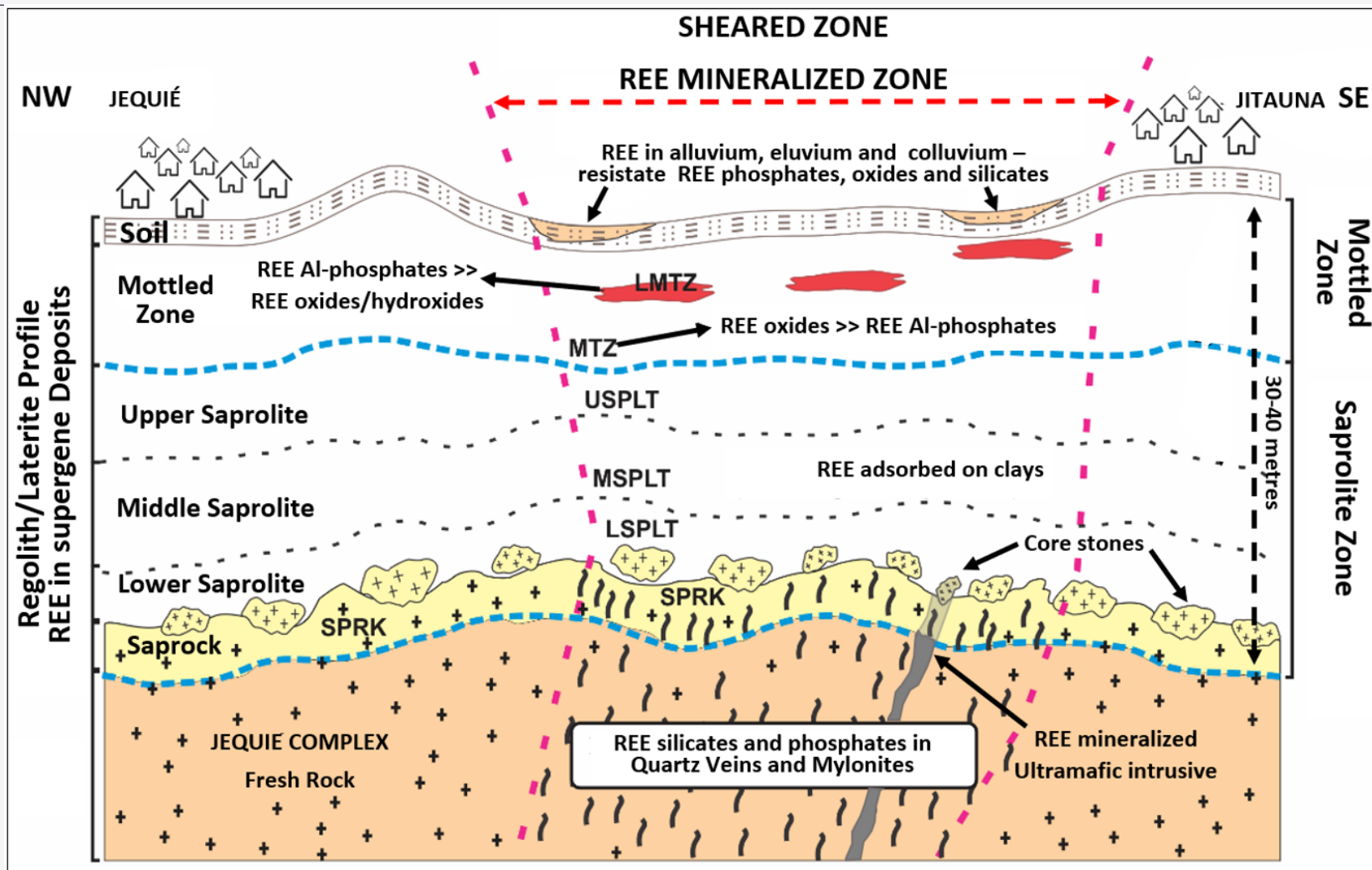
GMN tenements cover favourable shear zones, thorium-uranium anomalies and potential host lithologies within the regional thorium anomalies.

Major structures may host ultramafic rocks, the host to very high grade REE mineralisation found in several localities in the BRE tenements (black outline). Similar mapped major structures and shear zones occur within the Down Under project.



BRAZIL – JEQUIÉ REGION WEATHERING – REE MODEL

- Different zones in a weathered zone contain different amounts and types of REE mineralisation
- Mineralised ultramafics can have exceptionally high REE and Nb grades



METALLURGY IN THE JEQUIÉ REGION IS WELL UNDERSTOOD

- Extensive metallurgy conducted on one new BRE project in the region, less on the original BRE project.
- Extracted readily with Ammonium sulphate with pH adjustment to 4. Economic level recoveries recorded.
- Deleterious U and Th not extracted from the REE ore.
- Clay mineralogy important for metallurgical characteristics.
- High P is usually indicating primary monazite is present, considered to be economically recoverable in part of the BRE resource.

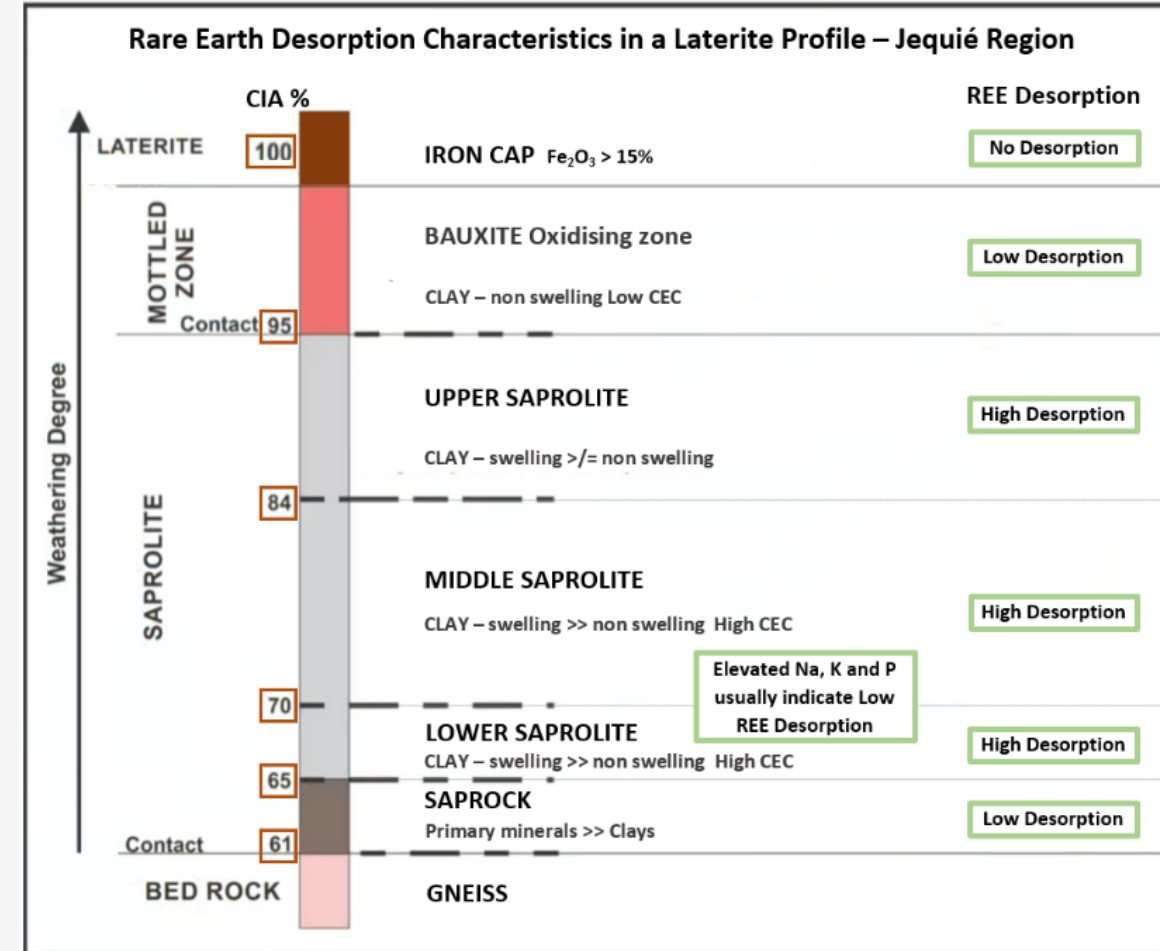


Table adapted from Presentation by Gerson Romano dos Santos Junior; PhD student - Geometallurgy REE-IAC, Master - REE-IAC Geochemistry

EXPLORATION PLAN – DOWN UNDER REE PROJECT

- Remote sensing work commenced to define areas of laterite. Geomorphic mapping in progress, sample site planning in progress.
- Logistics base now set up in central area to tenements. Two teams initially to be expanded to 3 teams in March. Additional geologist contracted for the REE plus a local REE consultant has agreed to assist GMN.
- Orientation sampling commencing on March 4th on site on preplanned sites, stream sediment sampling in selected areas commencing in the same week. Channel sampling on exposures will be taken when found. Radiometric traverses will be undertaken routinely to assess whether any very highly anomalous areas, indicative of high-grade mineralisation, are present. Radiometric assessment of drainages may assist finding high grade sources.
- First laboratory results anticipated late May, anomalous areas defined for reconnaissance auger sampling, results early July.
- Applications for drilling permits made and RC or Sonic drilling planned for Q3 and Q4 2024.
- Note that stream sediment sampling will be ongoing throughout 2024. .

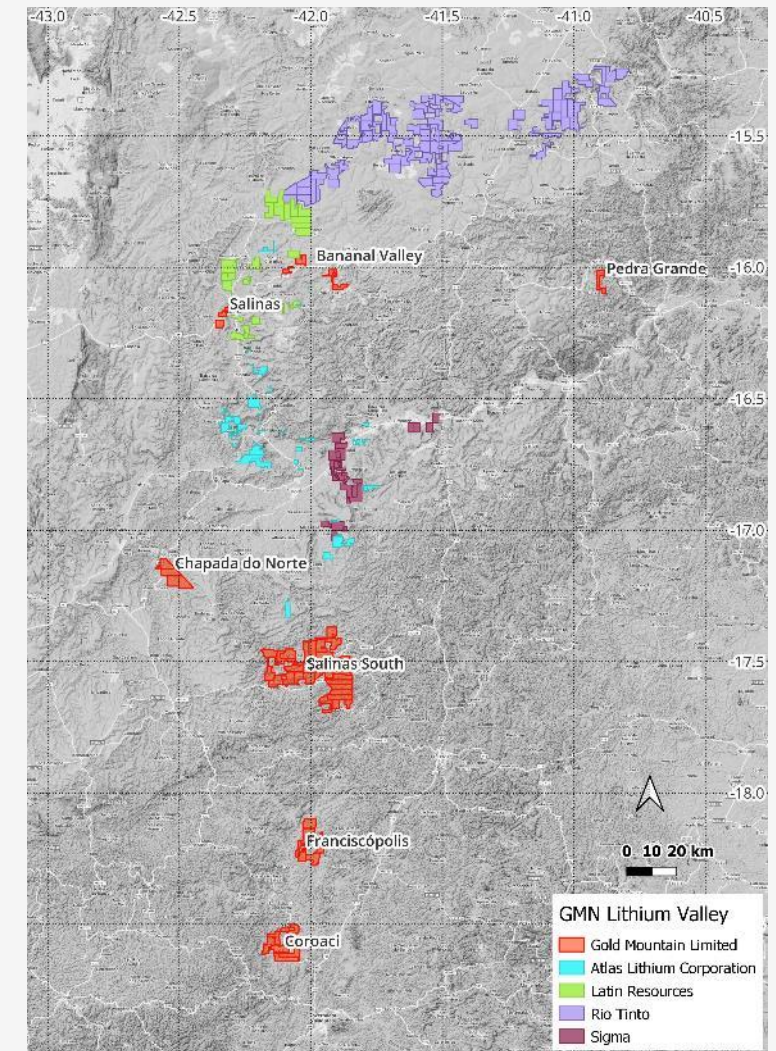
BRAZIL: LITHIUM

The background features a dark blue grid pattern. Overlaid on this are several glowing, semi-transparent rectangular shapes with rounded corners, arranged in a diagonal line from the bottom-left towards the top-right. These shapes have a grid-like internal structure and a bright blue glow, suggesting a technological or digital theme.

BRAZIL – LITHIUM VALLEY

Gold Mountain holds 49 tenements in Lithium Valley (48 granted and 1 application)

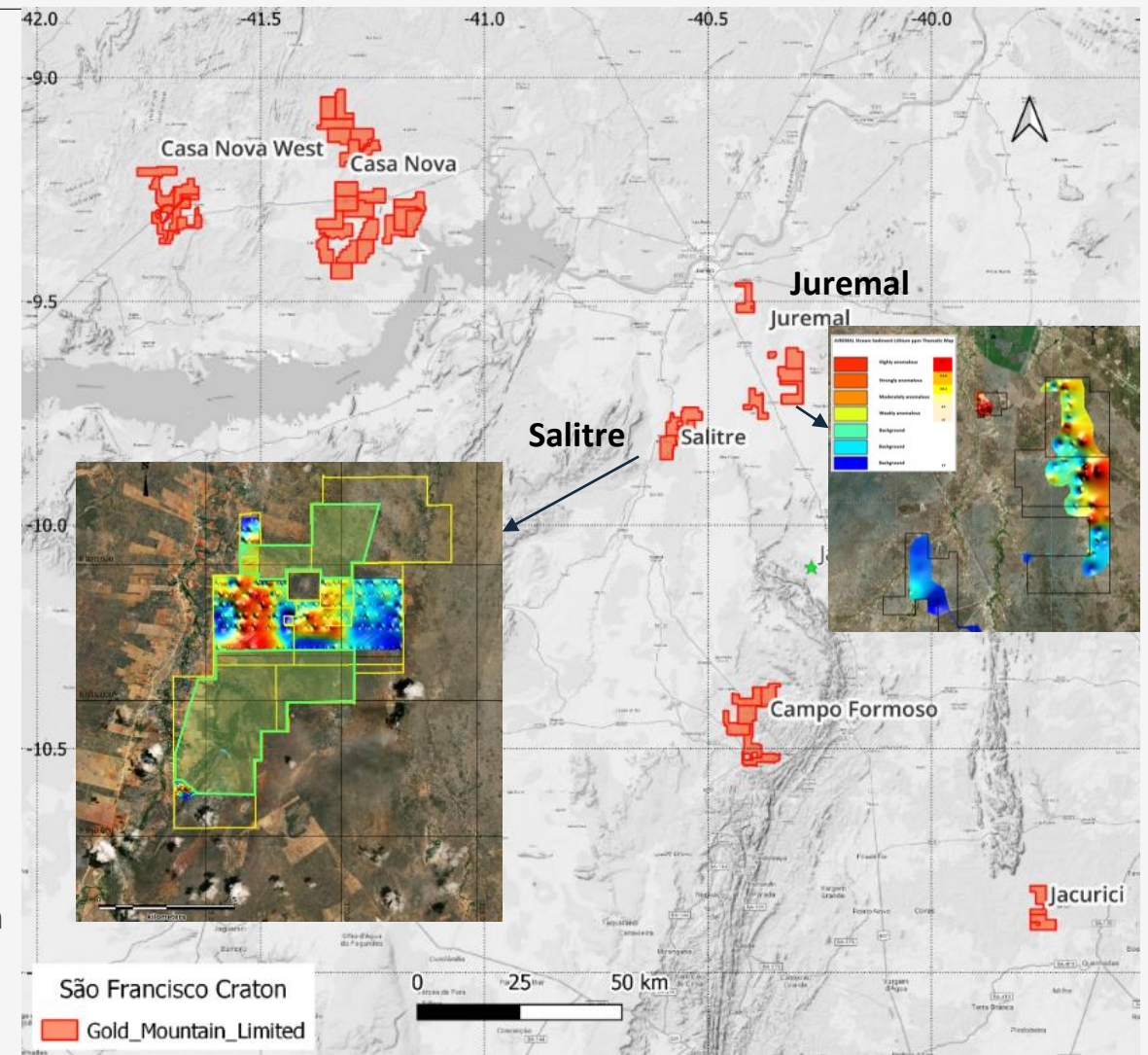
- **Tenements qualified:** Good geology, magnetics and structural settings as well as presence of indicator mineral occurrences.
- **Proximity to high value peers:** GMN tenements surrounded by Atlas Lithium, Sigma, Rio Tinto and Latin Resources projects.
- **LCT Pegmatites found on Salinas and Salinas South tenements:** Abundant indicator minerals for additional LCT pegmatites are present within the tenements.
- **Follow-up planned:** Major drainage sampling programs completed as a follow up to initial reconnaissance work in Salinas region. Results pending, work commenced on Salinas South
- **Operations logistics in place:** New office/accommodation in the central area of the Lithium Valley at Novo Cruzeiro.



BRAZIL – SAO FRANCISCO CRATON

Gold Mountain holds 47 granted tenements in northern Sao Francisco Craton

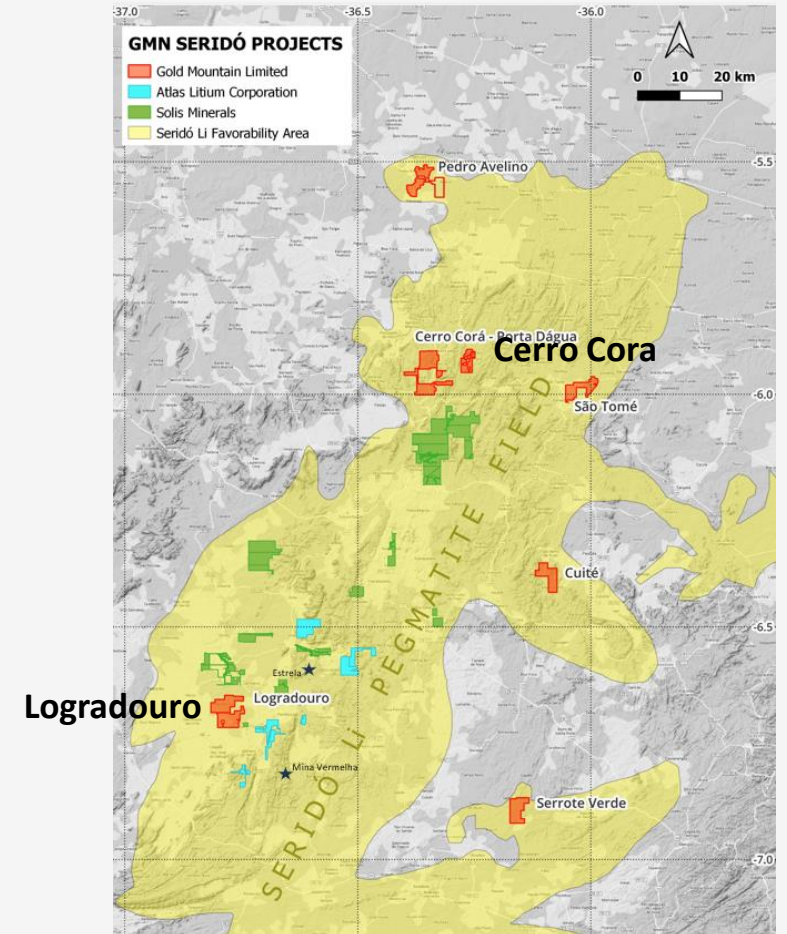
- **Tenements qualified:** Good geology, magnetics and structural settings as well as presence of spodumene and indicator mineral occurrences.
- **Juremal tenements:** Numerous pegmatites present and float of weathered spodumene has been found on and adjacent to the Juremal tenements. Lithium anomalous catchments identified from stream sediment sampling, ready for soil sampling.
- **Salitre tenements:** Major Lithium in soil anomaly discovered, 2.4km long, open to the North and South. Soil sampling and mapping program completed to extend grid over 5.6km in priority areas defined by results to date. Results pending
- **Planned work program:** For Salitre, define drill targets from soils at Salitre, commence soils at Juremal in anomalous catchments.
- **Operations in place:** Office/accommodation at Juazeiro in the Northern Sao Francisco Craton area.



BRAZIL – SERIDÓ BELT

Gold Mountain holds 9 tenements (Inc. 5 granted) in the Seridó belt of the Borborema Province

- **Tenements qualified:** Good geology, magnetics and structural settings as well as presence of indicator mineral occurrences.
- **Previous discoveries in region:** The Estrela Prospect and the Mina Vermelha lithium bearing pegmatites are located in the Seridó Belt, a prolific lithium pegmatite bearing and previously neglected lithium province.
- **Logradouro tenements:** Lithium Anomalies were found over some of the known 250 pegmatites and their structural trends, and also over some areas where no pegmatites had been found from satellite imagery studies.
- **Planned work program:** Soil sampling follow up on selected anomalies will be used to define drill targets on Logradouro, Cerro Cora and anticipated on additional tenements.
- **Operations in place:** Office/accommodation at Currais Novos centrally situated in the Seridó Belt area.



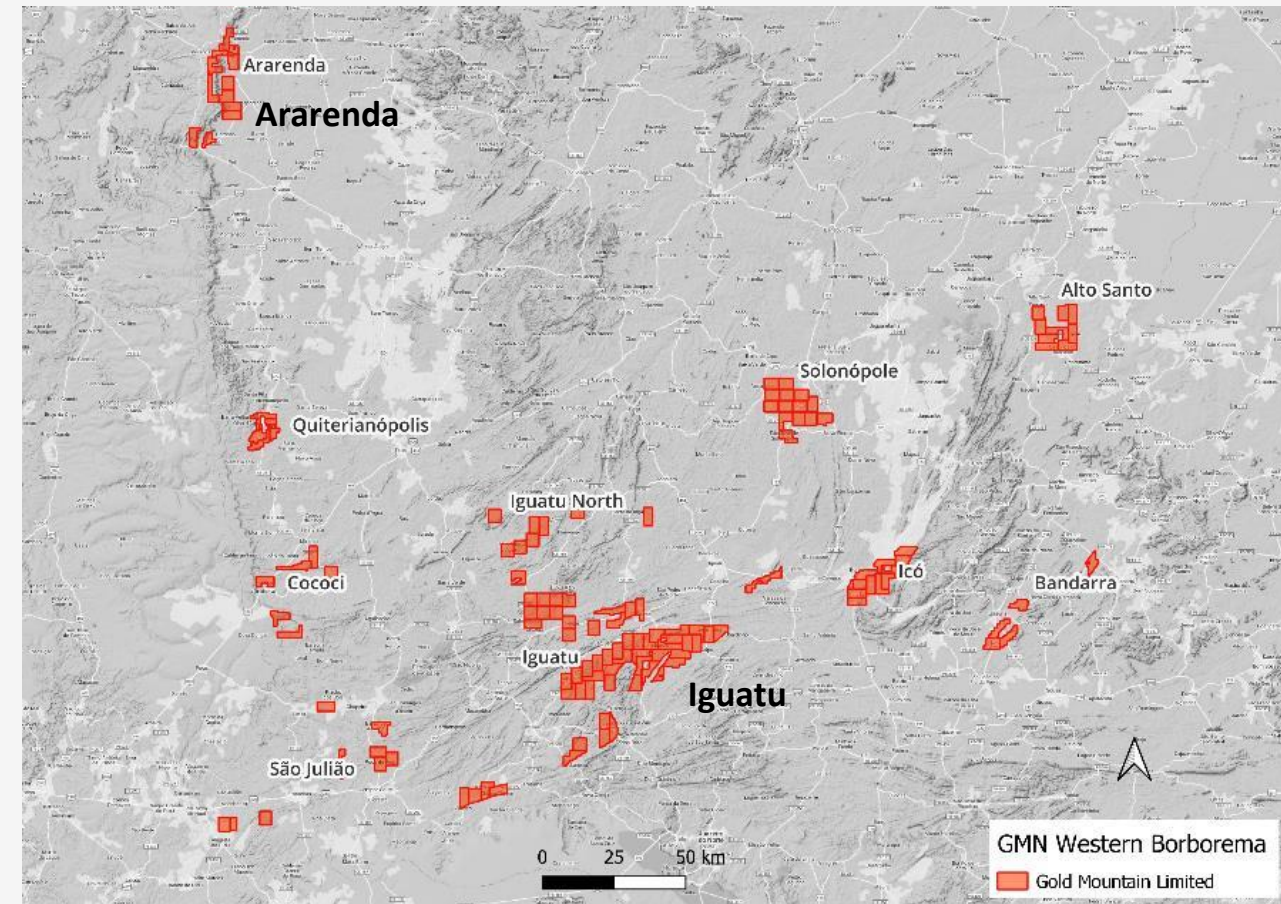


BRAZIL: COPPER

BRAZIL – WESTERN BORBOREMA

Gold Mountain holds 144 tenements (118 granted, 26 applications) in the Western Borborema Province

- **Tenements qualified:** Good geology, mapped mineral occurrences of IOCG copper and pegmatites as well as presence of Lithium indicator mineral occurrences.
- **Large discoveries in Brazil:** Target is post-orogenic style deposits that have median grade and tonnage of 120 million tonnes at 1.1% Cu and 0.48g/t Au (this type includes Olympic Dam deposit).
- **Copper mineralisation extends into GMN tenements:** Small reconnaissance IP and magnetic surveys have indicated a deposit containing widespread copper mineralisation, open in all directions extending into at least one GMN tenement, possibly into a second GMN tenement.
- **Planned work program:** GMN intends to explore the extensions to the Ararenda deposit which overlaps into the GMN tenements. Regional reconnaissance is in progress at Iguatu

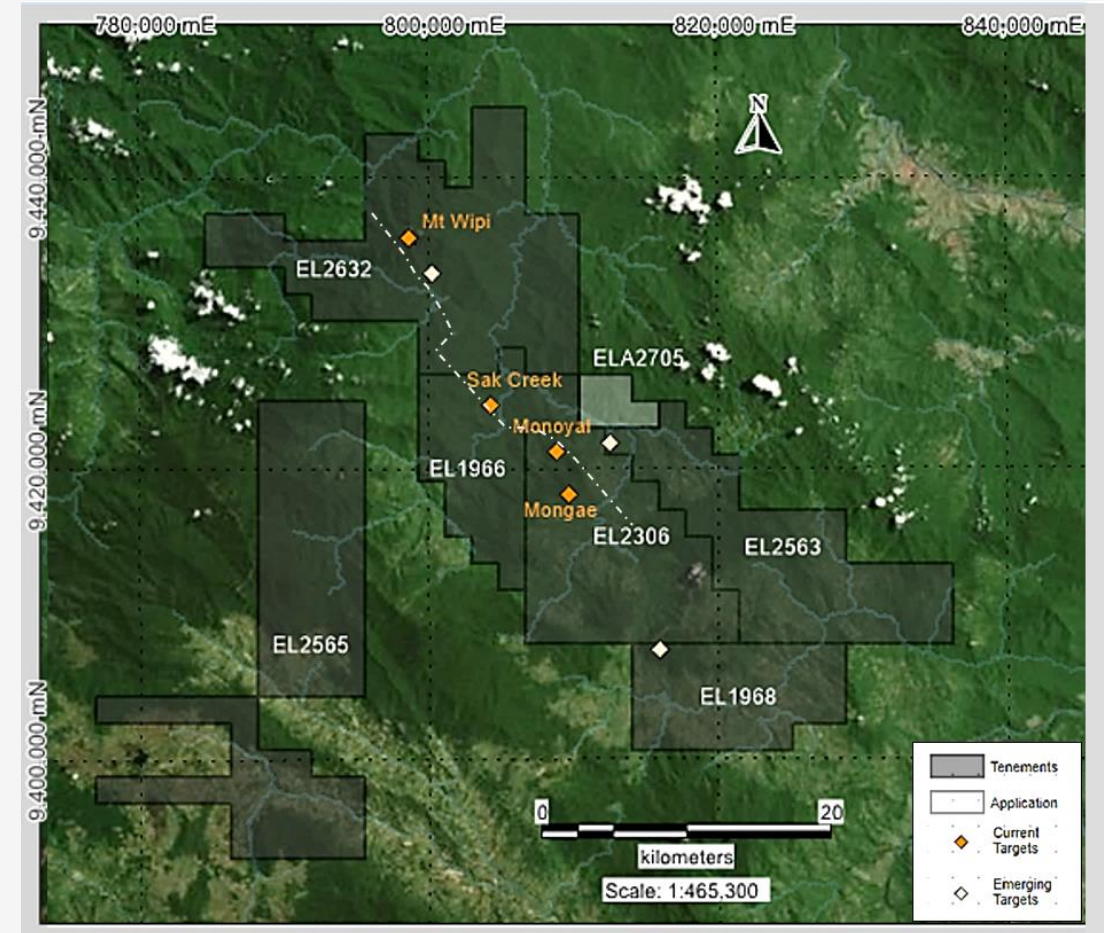




PNG: COPPER-GOLD

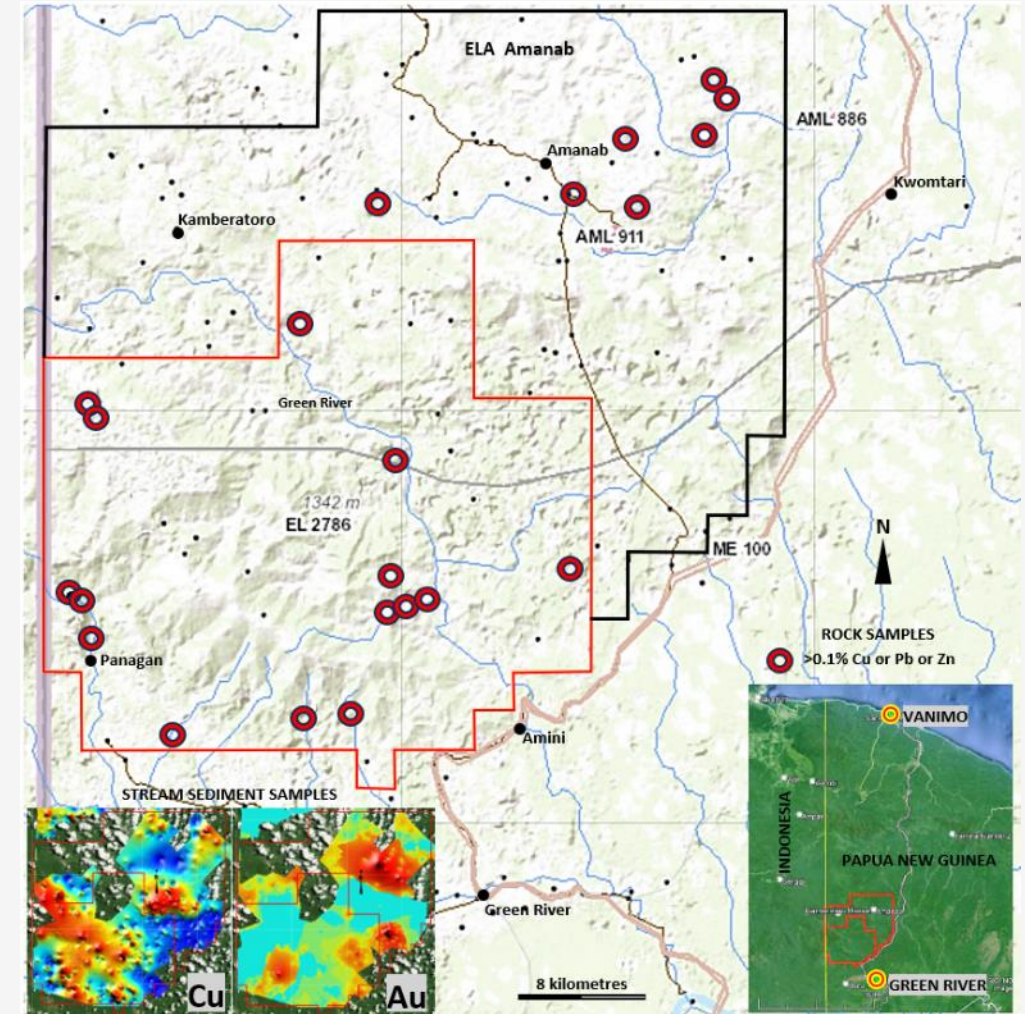
WABAG PROJECT: COPPER-GOLD

- **Current and emerging targets:** 17km+ long structural corridor identified from aeromagnetic data featuring targets at Mt Wipi, Sak Creek and Monoyal.
- **Potential mineralisation:** 100+ significant rock chips with $>0.5\text{g/t Au}$ and/or $>0.5\% \text{ Cu}$ indicating potential mineralisation that is open to the southeast.
- **Intercepts indicate area should be drill tested:**
Mt Wipi mineralised intercepts include MWD003 - 1m @ 6.54g/t Au from 115m and 2m @ 2.27g/t Au from 34m; MWD004 - 18m @ 0.21g/t Au from 247m.
- **Future work:** Address data gaps including infill stream-sediment sampling, rock-float and outcrop sampling, ridge-and-spur soil sampling, geological mapping, trenching and potentially diamond drilling.



GREEN RIVER PROJECT: COPPER-GOLD

- **Reinterpretation of prospect:** 30 years of sampling data has been compiled and reinterpreted and combined with on the ground observations and aeromag survey to recognise significant porphyry and epithermal copper-gold potential.
- **Intrusive complexes identified:** Float and outcrop rock samples with $>0.1\%$ Cu or Pb-Zn lie adjacent to the intrusive complexes and are associated with Cu-Au stream sediment anomalies.
- **High grade copper in rock chip samples:** Historical surface result of 8% copper warranting follow-up work program.
- **Very good logistics:** Airstrip and major road lying adjacent to the boundaries of the tenement block both being upgraded for the Frieda River Project.



GOLD MOUNTAIN

CONTACT:

DAVID EVANS - EXECUTIVE DIRECTOR

M: +61 421 903 222

E: DAVID.EVANS@GOLDMOUNTAINLTD.COM.AU

RHYS DAVIES - COMPANY SECRETARY & CFO

M: +61 497846996

E: RHYS.DAVIES@GOLDMOUNTAINLTD.COM.AU

APPENDIX: REFERENCES

Where a Competent Person has previously issued the written consent to the inclusion of their findings in a report, a company re-issuing that information to the Public whether in the form of a presentation or a subsequent announcement must, state the report name, date and reference the location of the original source Public Report for public access. The information is extracted from the following announcements:

- GMN ASX Release 7 February 2022 Highest gold assays to date in MWD003 and MWD004 at Mt Wipi.
- GMN ASX Release 18 March 2022 11.7 g/t gold intercept recorded in hole MWD005
- GMN ASX Release 18 November 2022 Exploring for Lithium in Brazil and Discovering Copper-Gold in PNG
- GMN ASX Release 22 February 2023 Gold Mountain to resume on-ground exploration at the highly prospective Mt Wipi Copper/Gold Project in PNG
- GMN ASX Release 28 April 2023 Quarterly Activities Report for the Quarter Ended 31 March 2023
- GMN ASX Release 19 June 2023 Proposed acquisition of 75% interest in Significant Lithium Tenement package, Brazil
- GMN ASX Release 12 July 2023 Market Update – Papua New Guinea Exploration
- GMN ASX Release 14 July 2023 Market Update – Brazil Lithium Exploration Update Exploration at Logradouro finds over 250 pegmatites
- GMN ASX Release 1 August 2023 Market Update – PNG Exploration Report
- GMN ASX Release 1 October 2023 Market Update – Lithium soil anomalies over 2 kilometres at Salitre
- GMN ASX Release 21 November 2023 Papua New Guinea Green River Copper Gold Projects Market Update
- GMN ASX Release 22 November 2023 Exploration Update and Exciting New Exploration Results
- GMN ASX Release 1 December 2023 GMN Secures over 100,000 Ha in Premier Rare Earths rich region in Brazil
- GMN ASX Release 19 January 2024 Custodia Project Update
- GMN ASX Release 2 February 2024 Down Under Rare Earths Element Project Update
- GMN ASX Release 15 February 2024 Exploration commences on Clay-Hosted REE tenements
- GMN ASX Release 23 February 2024 GMN secures ground near world's largest Niobium producer

They are available to view on www.goldmountainltd.com.au. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.