



Investor Presentation

Brazil – Papua New Guinea

December 2023

**An Extensive Portfolio of Critical Mineral
Projects**



DISCLAIMER

Important notice and disclaimer

This presentation has been prepared by Gold Mountain Limited ("GMN") for the sole purpose of providing general information on GMN ("Purpose").

This presentation is provided by GMN for information purposes only, without taking into account any potential investors' personal objectives, financial situation or needs. It should not be relied upon by the recipient in considering the merits of any particular transaction. It is not an offer to buy or sell, or a solicitation to invest in or refrain from investing in, any securities or other investment product. Nothing in this presentation constitutes investment, legal, tax, accounting or other advice. The recipient should consider its own financial situation, objectives and needs, and conduct its own independent investigation and assessment of the contents of this presentation, including obtaining investment, legal, tax, accounting and such other advice as it considers necessary or appropriate.

This presentation has been prepared on the basis of available information. It contains selected information and does not purport to be all-inclusive or to contain all of the information that may be relevant to the Purpose. The recipient acknowledges that circumstances may change and that this presentation may become outdated as a result. GMN is under no obligation to update or correct this presentation.

GMN, its related bodies corporate and other affiliates, and their respective directors, employees, consultants and agents make no representation or warranty as to the accuracy, completeness, timeliness or reliability of the contents of this presentation. To the maximum extent permitted by law, no member of the GMN accepts any liability (including, without limitation, any liability arising from fault or negligence on the part of any of them) for any loss whatsoever arising from the use of this presentation or its contents or otherwise arising in connection with it. This presentation may contain forward-looking statements, forecasts, estimates and projections ("Forward Statements"). No independent third party has reviewed the reasonableness of any such statements or assumptions. No member of GMN represents or warrants that such Forward Statements will be achieved or will prove to be correct. Actual future results and operations could vary materially from the Forward Statements. Similarly, no representation or warranty is made that the assumptions on which the Forward Statements are based may be reasonable. No audit, review or verification has been undertaken by the GMN or an independent third party of the assumptions, data, results, calculations and forecasts presented or referred to in this presentation.

The recipient acknowledges that neither it nor GMN intends that GMN act or be responsible as a fiduciary to the recipient, its management, stockholders, creditors or any other person. Each of the recipient and GMN, by accepting and providing this presentation respectively, expressly disclaims any fiduciary relationship and agrees that the recipient is responsible for making its own independent judgments with respect to any transaction and any other matters regarding this presentation.

Corporate Snapshot



Shares on issue

2,869,078,585

Share Price

\$0.005

Market Capitalisation

\$14.35m

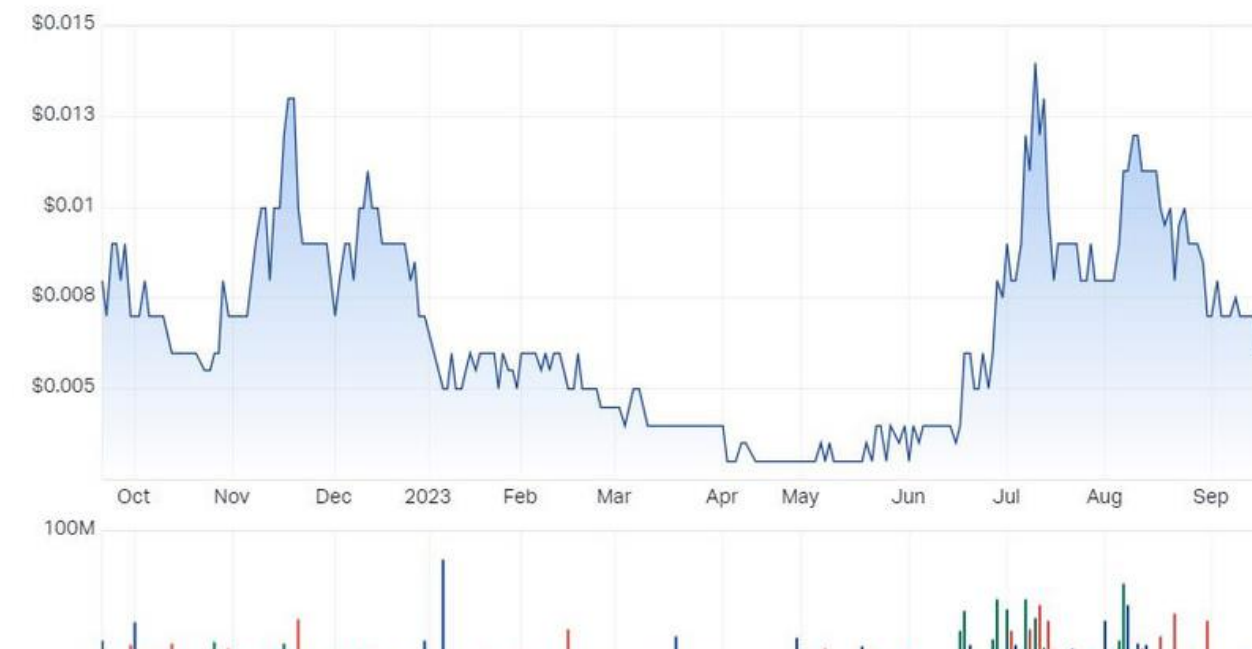
Options on Issue

964,525,493

Cash on Hand

\$1,150,000

GMN ASX Chart



Opportunity



Brazil – Lithium

- Brazil hosts some of the largest pegmatite occurrences in the world
- There are two major provinces of Lithium bearing pegmatites in Brazil, being the south-eastern region (centered on Minas Gerais State) and the Borborema region (straddling several states in the NE of Brazil)
- GMN has one of the largest land footprints in the prized Lithium Valley and Borborema regions

Brazil – REE

- GMN has contiguous ground with known IAC type mineralisation.
- IAC mineralisation developed in Brazil due to very suitable weathering conditions over source rocks.
- Brazil has the third largest hard rock REE reserves.



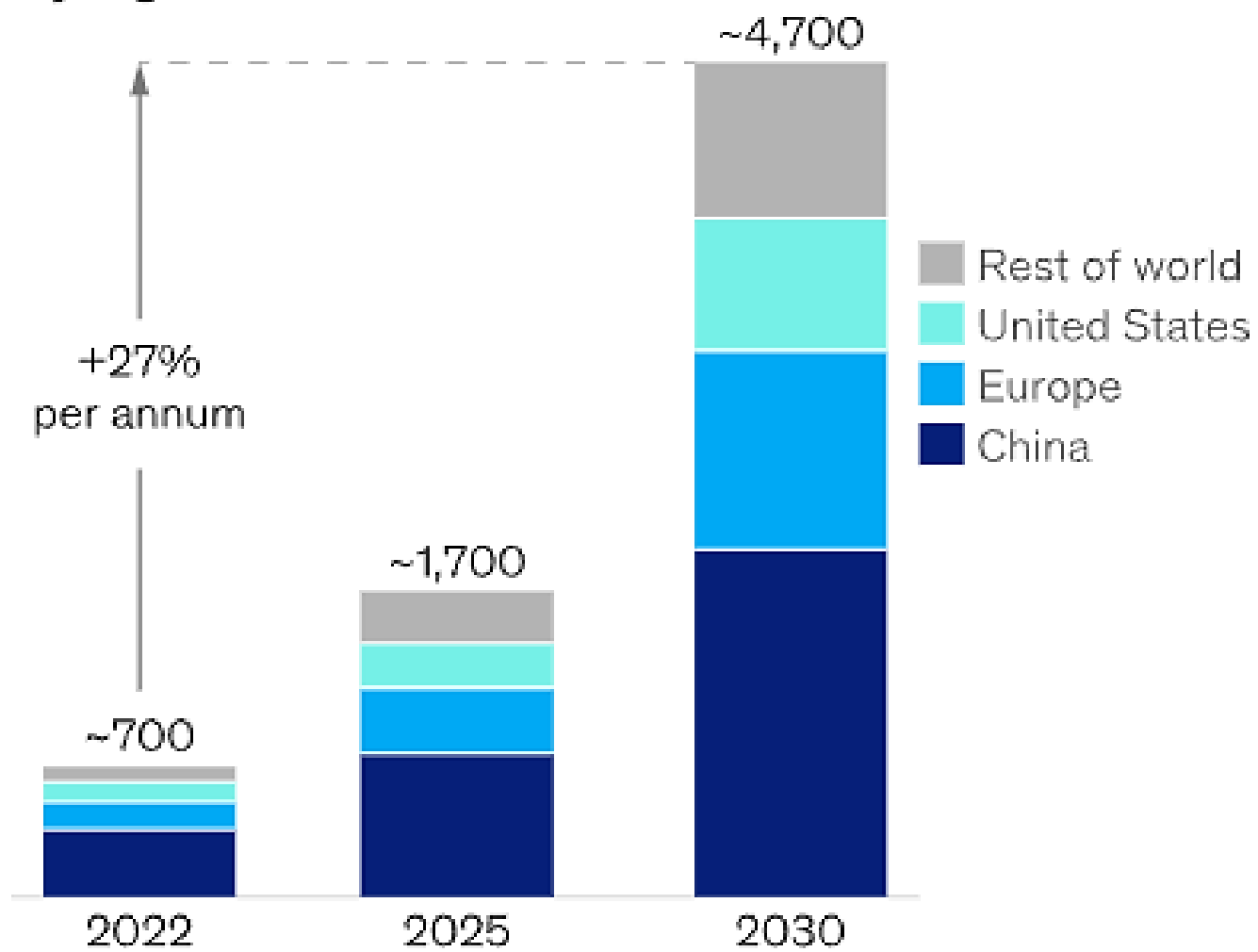
PNG – Copper–Gold

- PNG's Papuan Mobile Belt is host to a world-renowned mining jurisdiction
- The Wabag Project is situated on a large Northeast trending structural lineament which is host to many world-class porphyry copper-gold and gold deposits including Grasberg, Porgera, Ok Tedi, Frieda River, Hidden Valley, and Wafi /Golpu.

Li-ion battery demand is expected to grow by about 27 percent annually to reach around 4,700 GWh by 2030

Global Li-ion battery cell demand, GWh, Base case

By region



Source: McKinsey Battery Insights Demand Model



A regulatory shift toward sustainability, which includes new net-zero targets and guidelines



Greater customer adoption rates and increased consumer demand for greener technologies (up to 90 percent of total passenger car sales will involve EVs in selected countries by 2030)



Announcements by 13 of the top 15 OEMs to ban ICE vehicles and achieve new emission-reduction targets.

Neodymium, Praseodymium, Dysprosium, and Terbium, the Magnet Rare Earths, are estimated to represent 98% of the market by value in 2030.

Major Category	Magnet Rare Earths	Rare Earth Element	Chemical Symbol	Atomic Number	Crustal Abundance ppm	USD/kg RE Oxide 2022	Projected Price USD/kg 2030
LIGHT RARE EARTHS		Scandium	Sc	21		802.96	913
		Lanthanum	La	57	39.0	1.25	1.59
		Cerium	Ce	58	66.5	1.30	1.61
		Praseodymium	Pr	59	9.5	9.90	59.5
		Neodymium	Nd	60	41.5	49.14	45.5
		Samarium	Sm	62	7.1	2.75	1.52
		Europium	Eu	63	2.0	27.50	28
HEAVY RARE EARTHS		Gadolinium	Gd	64	6.2	53.36	27.2
		Terbium	Tb	65	1.2	1855	700
		Dysprosium	Dy	66	5.2	593.32	440
		Holmium	Ho	67	1.3	106.67	250
		Erbium	Er	68	3.5	39	2.32
		Thulium	Tm	69	0.5		
		Ytterbium	Yb	70	3.2	16.1	14.5
		Lutetium	Lu	71	0.8	881.48	637
	Yttrium	Y	39	33.0	12.1		
						Asian Metal REE Pricing	Estimate made 2021



Electrification requires high strength REE magnets



GMN is targeting low mining cost Ionic Absorbed Clay (IAC). IAC deposits are simple to mine and rehabilitate, have low capital costs, have simple metallurgy, no residual pits and tailings can be replaced directly into mined out areas.



These strategic applications provide a pathway to GMN to be a major participant in the rapidly increasing clay-hosted rare earths global supply chain.

REE Pricing data: <https://www.asianmetal.com/RareEarthsPrice/RareEarths.html>

Directors and Management



David Evans is the founder, executive director and a major shareholder of Mars Mines Limited with business experience spanning over 28 years in the mining industry, financial services sector and more recently as an entrepreneur and Company founder/Director. B.Sci



Aharon Zaetz is a lawyer and experienced director. He brings 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. As a seasoned lawyer, Aharon has assisted clients at all stages of their business journeys, from start-ups to established corporations. He is an experienced ASX investor and GMN shareholder. DipLaw



Syed Hizam holds a Bachelor's Degree in Finance and Economics from San Jose State University. He has 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. B.Econ



Peter Temby is a senior professional field oriented Geologist with 50 years' experience in mining and exploration on a broad range of metals and industrial minerals in Australia, Brazil, Africa and Asia. Peter has worked for a series of major companies, including 13 years for CRA Exploration (Rio Tinto) Peter has explored for LCT pegmatites for over 10 years' focusing mainly on tantalum prior to the last 5 years.

Brazil is fast becoming a significant player in the Lithium space

Gold Mountain Limited is a major holder of lithium tenements in Brazil with projects in the Lithium Valley, Solonopole region, Seridó Belt and in the northern part of the Sao Francisco Craton. In addition, tenements are held in several emerging lithium bearing areas in the Borborema Province which to date has had limited publicity when compared to the more well-known regions.

Gold Mountain Limited holds*:

104 granted tenements for lithium or copper and lithium	Total area 1925.48 km ²
23 tenement applications for lithium or copper and lithium	Total area 446.50 km ²
28 granted tenements for lithium and nickel-copper	Total area 540.58 km ²
27 granted tenements & 1 application for copper.	Total area 209.74 km ²
57 tenement applications for REE	Total area 1130 km ²

Lithium, Copper, Nickel and REE are all critical metals for the move from Fossil Fuels to Renewables and electrification of global energy systems.

*A number of the tenements are in GMN Mars JV in which GMN has a 75% interest.

Brazil - Lithium Valley

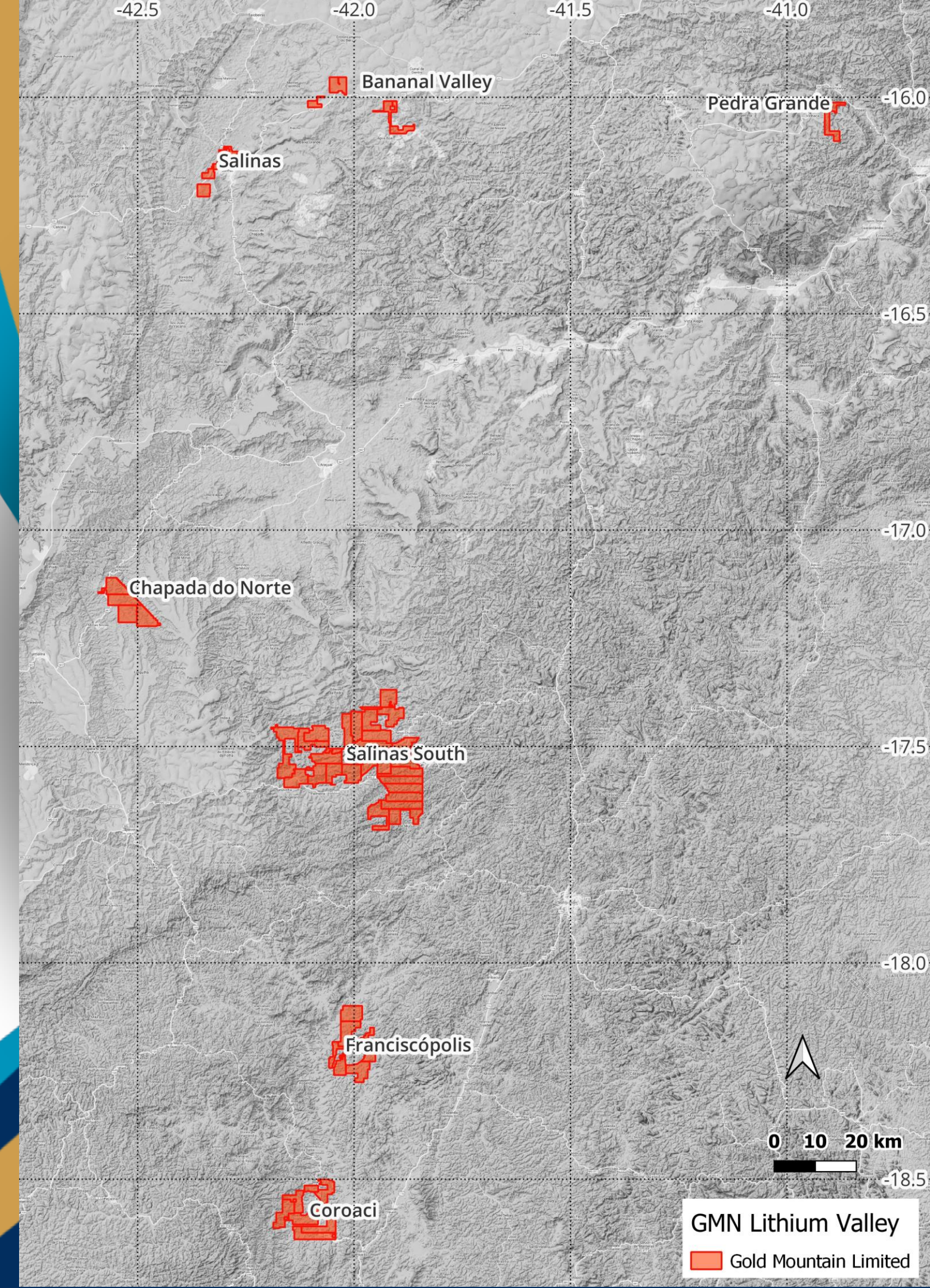
Gold Mountain now holds 49 tenements in Lithium Valley, 48 granted tenements and 1 at the application stage.

Projects held in the Lithium Valley include:

- Salinas City
- Bananal Valley
- Pedra Grande
- Chapada do Norte
- Salinas South
- Franciscopolis
- Coroaci

Tenements selected to cover

- Good geology
 - Good magnetics
 - Good structural settings
 - Presence of indicator mineral occurrences
-



Brazil - Lithium Valley

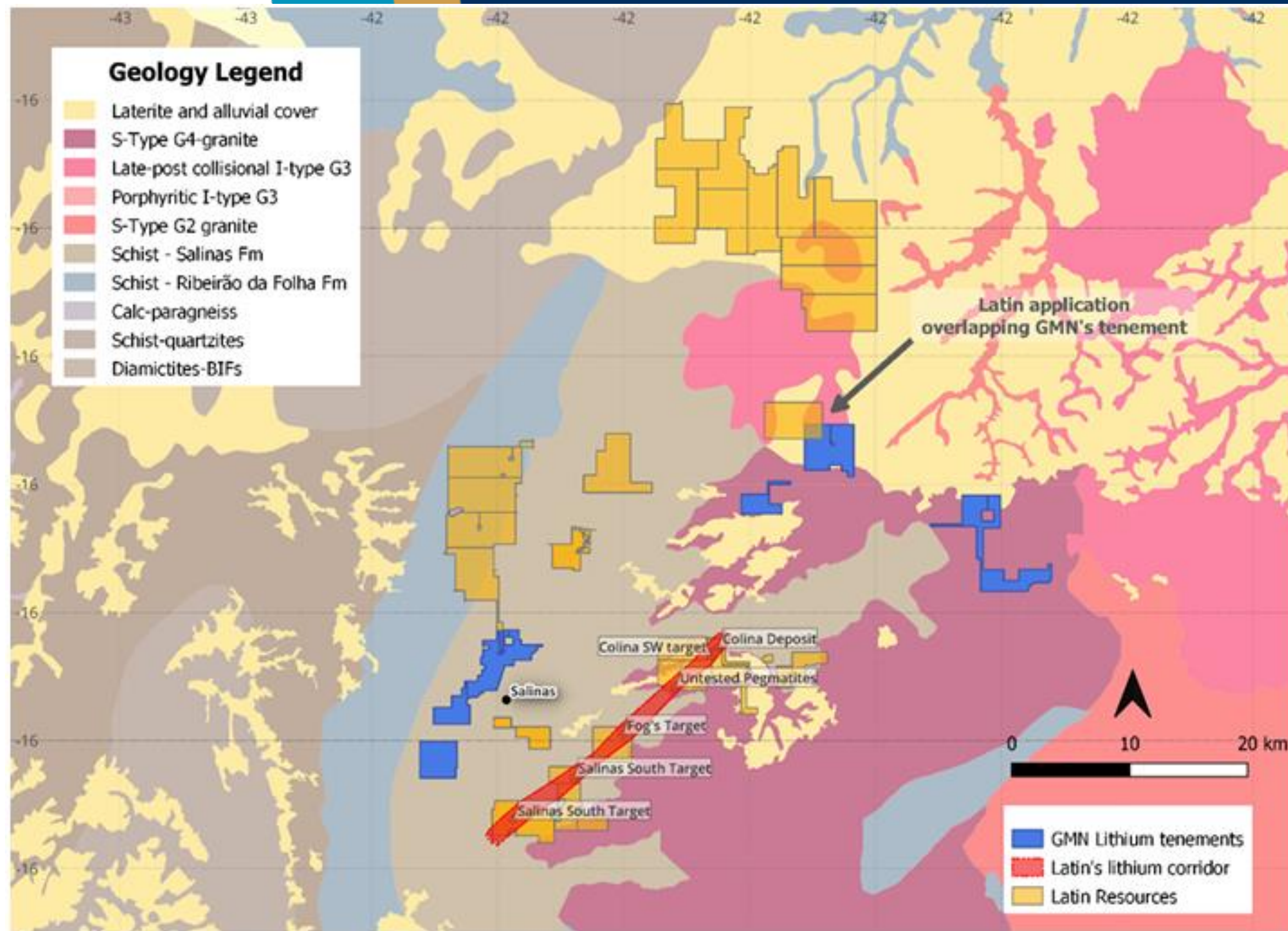
Salinas project

LCT Pegmatites found on tenements. Testing for parallel "Lithium Corridors" is in progress.

GMN tenements now surrounded by competitor tenements including Latin Resources.

Major drainage and mapping program in progress.

New office/accommodation in the central area of the Lithium Valley at Novo Cruzeiro with staff permanently in the Li Valley now.



Brazil – Lithium Valley

Salinas South project

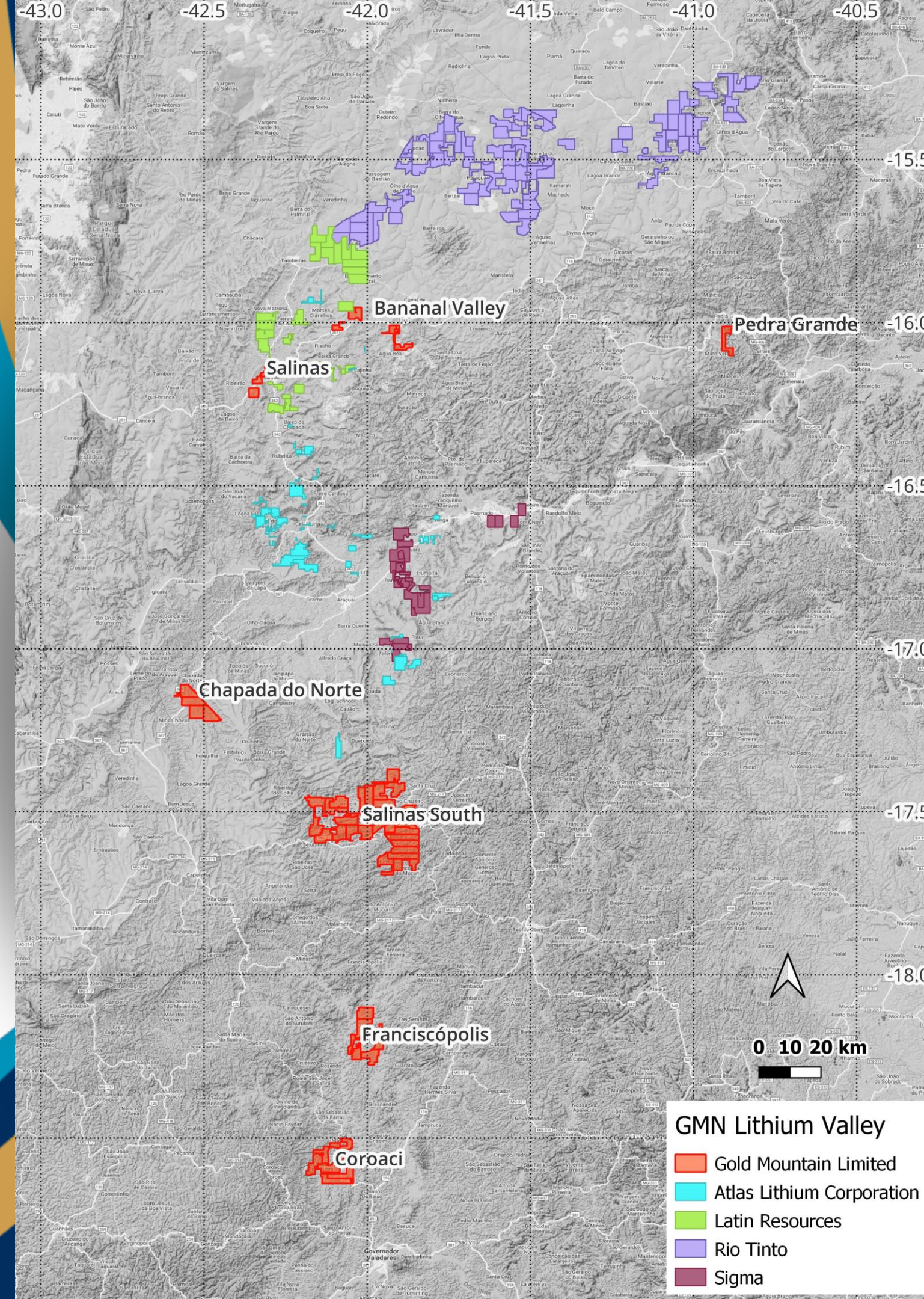
LCT Pegmatites found on tenements, abundant indicator minerals for additional LCT pegmatites are present within the tenements.

G4 granites in proximity to the tenements.

Major drainage planned as a follow up to initial reconnaissance work.

Structural interpretation of the regional Magnetic data indicated favourable low order magnetic anomalies with a NE strike.

New office/accommodation in the central area of the Lithium Valley at Novo Cruzeiro with staff permanently in the Li Valley now.



Brazil – Sao Francisco Craton

Gold Mountain holds 47 granted tenements in the northern Sao Francisco Craton

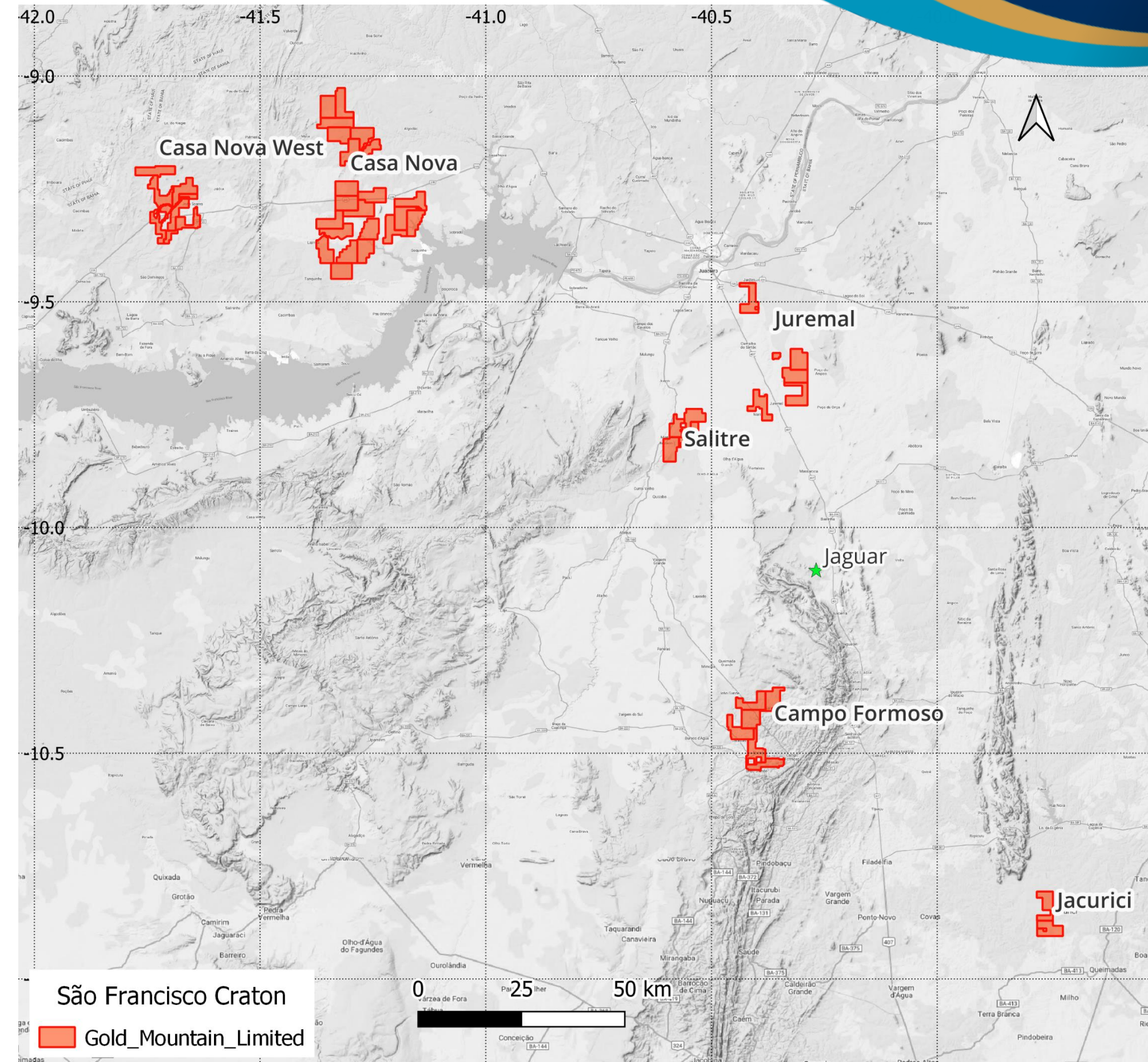
Large lithium bearing pegmatite is located on strike 40 km south of the Juremal tenements

Projects held in the Sao Francisco Craton include:

- Juremal
- Salitre
- Campo Formoso
- Casa Nova and Casa Nova west
- Jacurici

Tenements selected to cover

- Good geology
- Good magnetics
- Good structural settings
- Presence of indicator mineral occurrences



Juremal Project

Numerous pegmatites present and float of weathered spodumene has been found on and adjacent to the Juremal tenements.

Stream Sediment sampling has been completed on the tenements.

Office/accommodation at Juazeiro now with staff permanently in the Northern Sao Francisco Craton area.



Brazil

Sao Francisco Craton

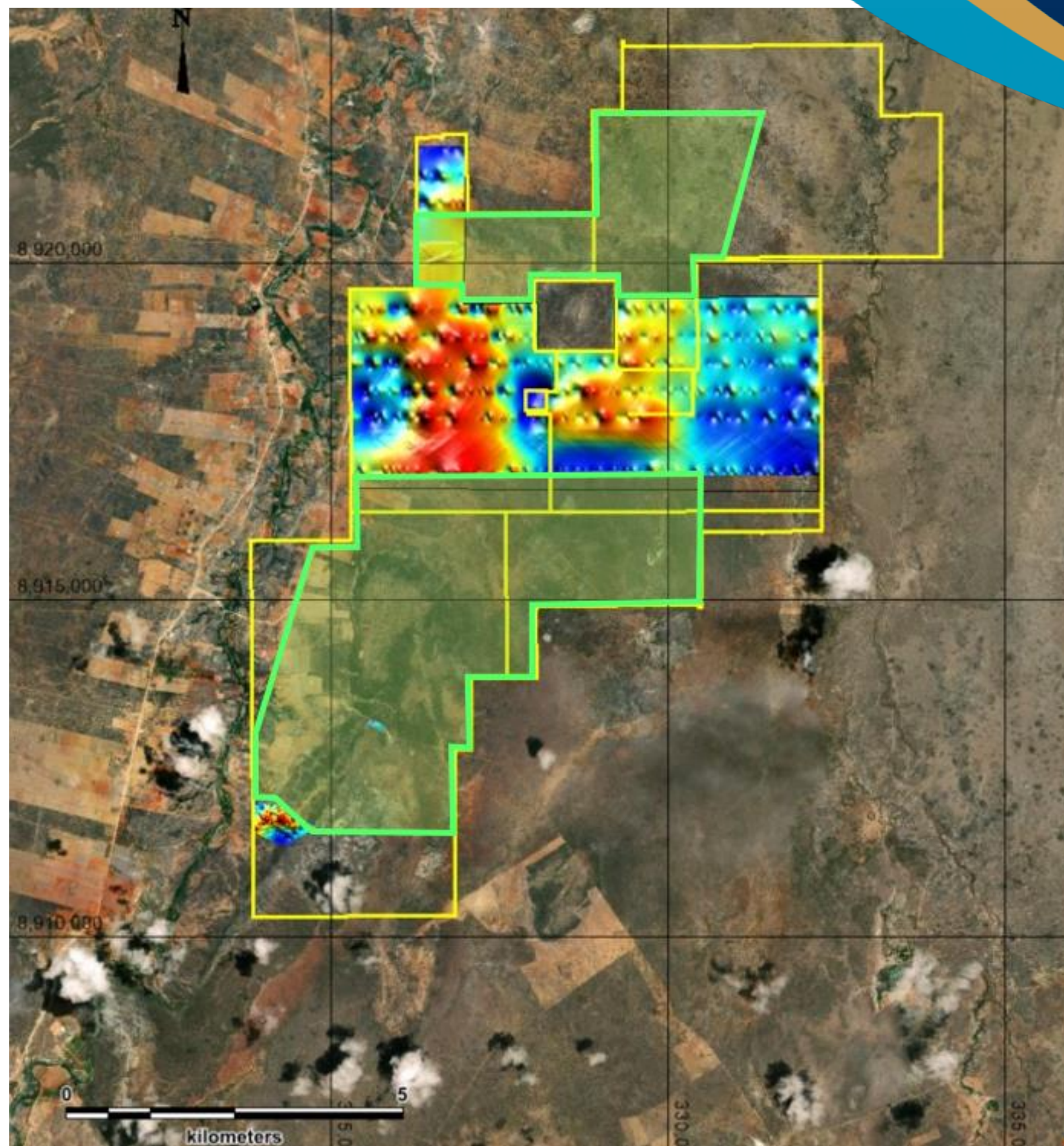
Salitre project

Major Lithium in soil anomaly discovered, 2.4 km long, open to the North and South.

Pegmatites of two ages are present on the Salitre tenements.

Soil sampling and mapping program in progress to extend grid over 5.6 kilometres in priority areas defined by results to date.

Office/accommodation at Juazeiro now with staff permanently in the Northern Sao Francisco Craton area.



Brazil – Serido Belt

Gold Mountain holds 9 tenements in the Serido belt of the Borborema Province including 5 granted tenements

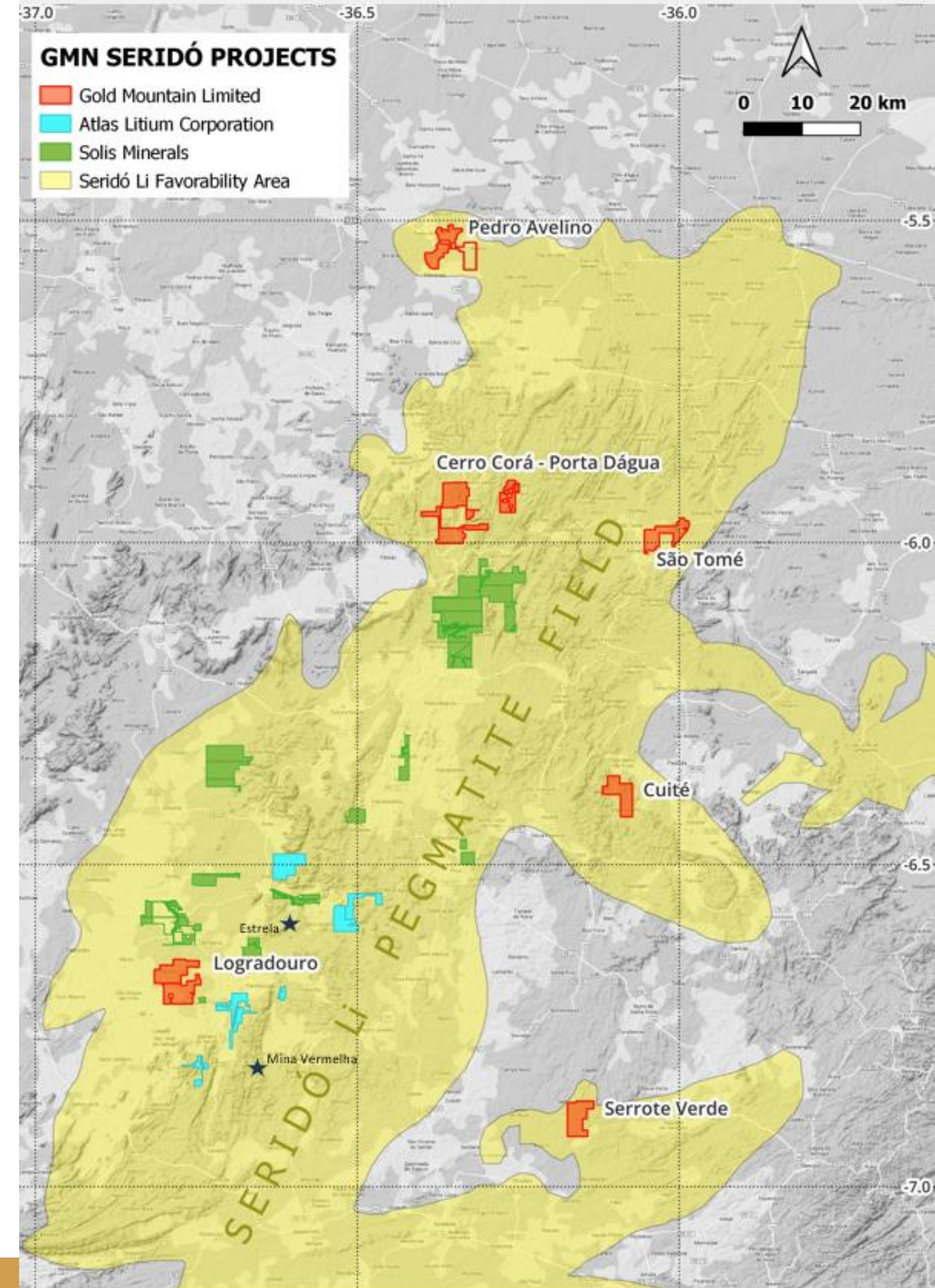
The Estrela Prospect and the Mina Vermelha lithium bearing pegmatite are located in the Serido Belt, a prolific lithium pegmatite bearing and previously neglected lithium province.

Projects held in the Serido Belt include:

- Cerro Cora – Porta D'Água
- Logradouro
- Serrote Verde
- Sao Tome
- Pedro Avelino
- Cuite

Tenements selected to cover

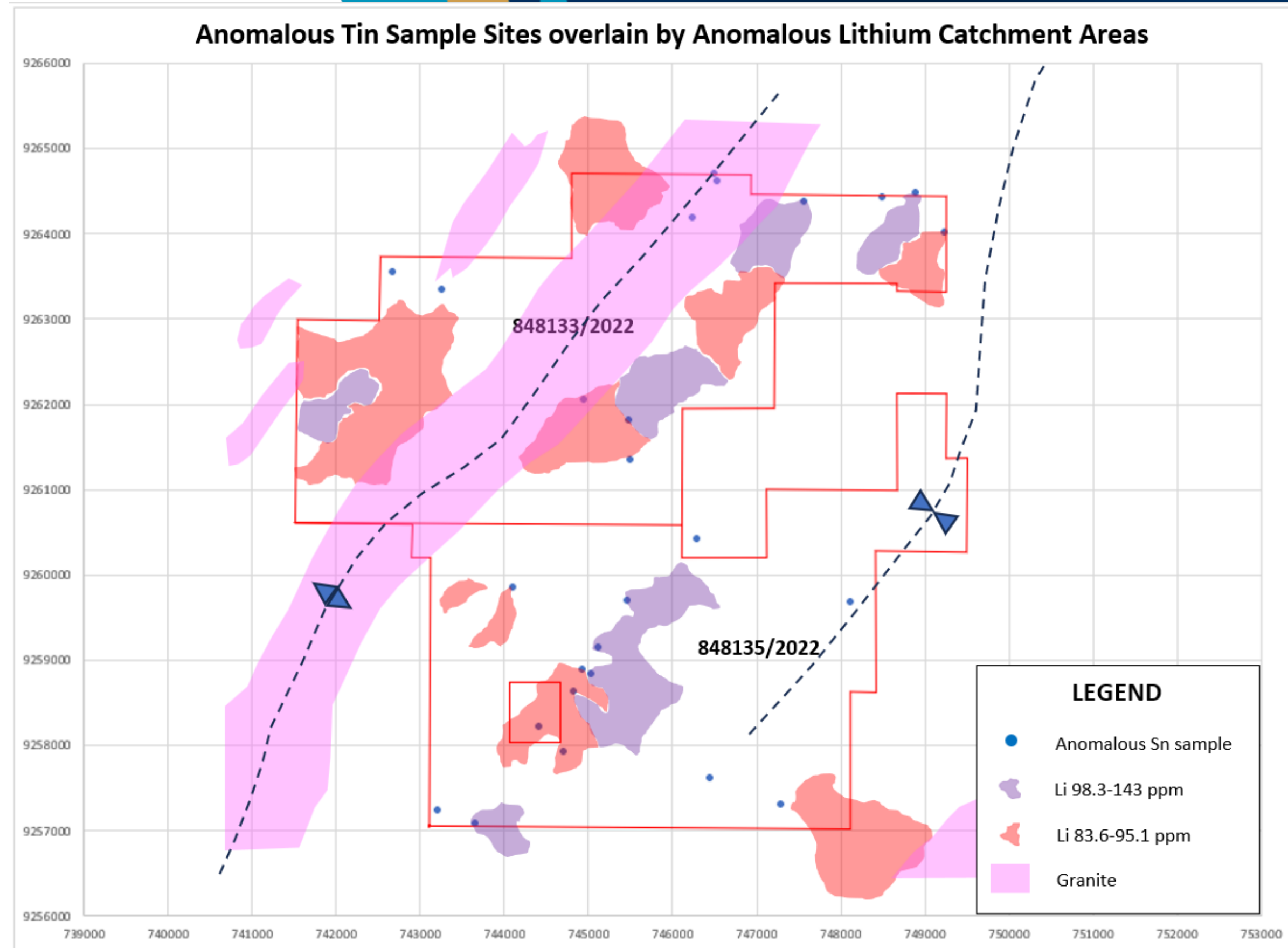
- Good geology
- Good magnetics
- Good structural settings
- Presence of indicator mineral occurrences
- Elevated prospectivity using the CPRM Li prospectivity map



Brazil – Serido Belt

Logradouro project

- Stream sediment sampling results contain a series of lithium anomalies supported by pathfinder elements for LCT pegmatites. Anomalies indicate LCT pegmatites within the tenement area.
- The tenements hold over 250 mapped pegmatites so the focus was on finding which ones should be soil sampled to define drilling targets.
- 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.
- Anomalies lie along the flanks of granite intrusives thought to be the source granites.
- Soil sampling follow up on selected anomalies will be used to define drill targets
- Office/accommodation at Currais Novos now with staff permanently in the Serido Belt area



Brazil – Western Borborema

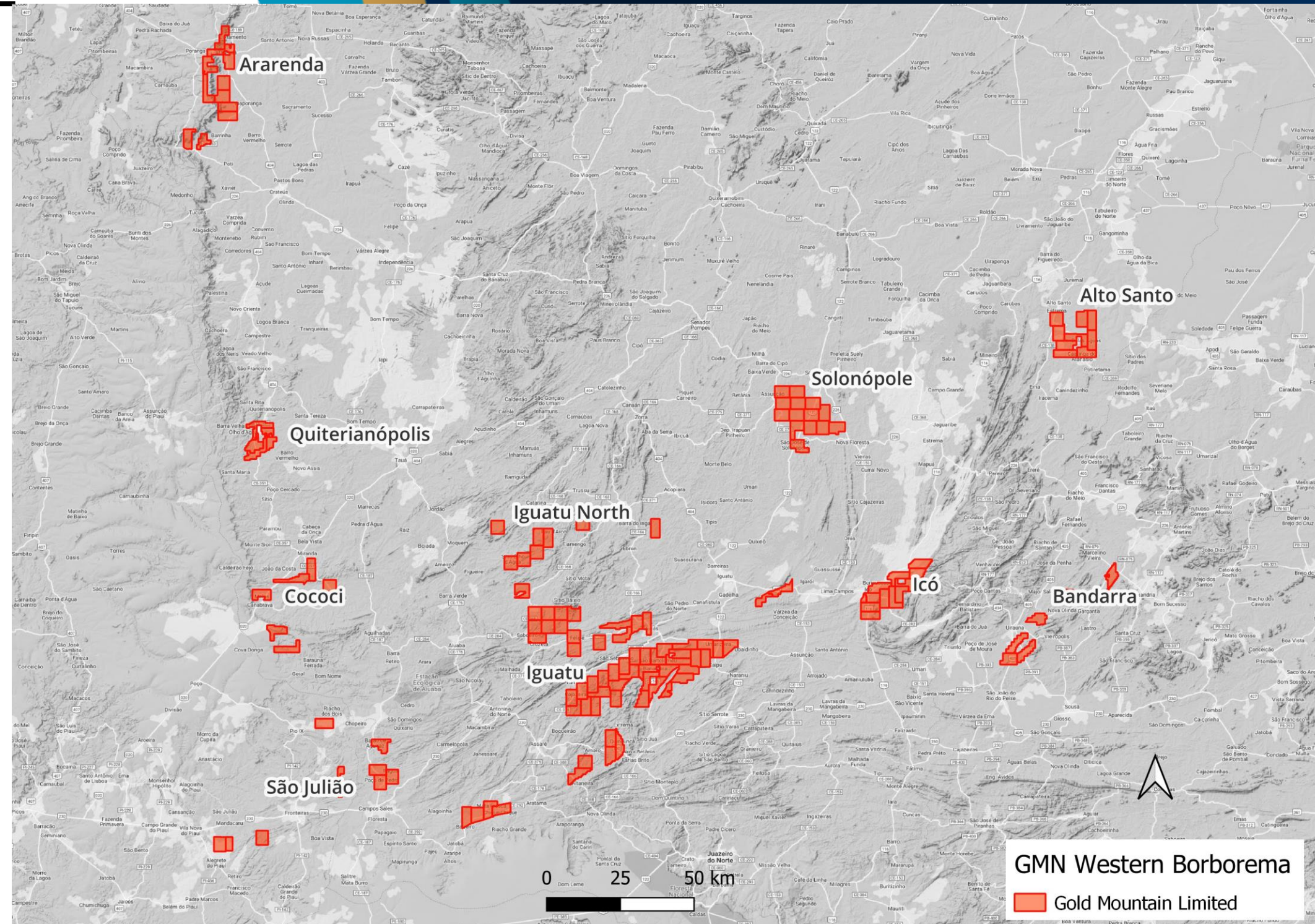
Gold Mountain now holds 144 tenements in Western Borborema province, 118 granted tenements and 26 at the application stage.

Projects held in the Western Borborema Province include:

- Ararenda (Cu)
- Quiterianopolis (Li)
- Cococi (Li-Cu)
- Sao Juliao (Li-Cu)
- Iguatu North (Li)
- Iguatu (Li-Cu)
- Ico (Li)
- Solonopole (Li)
- Bandarra - Sao Brás (Li)
- Alto Santo (Li)

Tenements selected to cover

- Good geology
- Mapped mineral occurrences of IOCG copper and pegmatites
- Good structural settings
- Presence of Lithium indicator mineral occurrences



Brazil – Western Borborema

Ararenda Project

The type of IOCG deposits that occur in the Borborema Province are post orogenic deposits that have a median grade and tonnage of 120 million tonnes at 1.1% Cu and 0.48g/t Au, a class of IOCG deposits that also includes the giant Olympic Dam deposit.

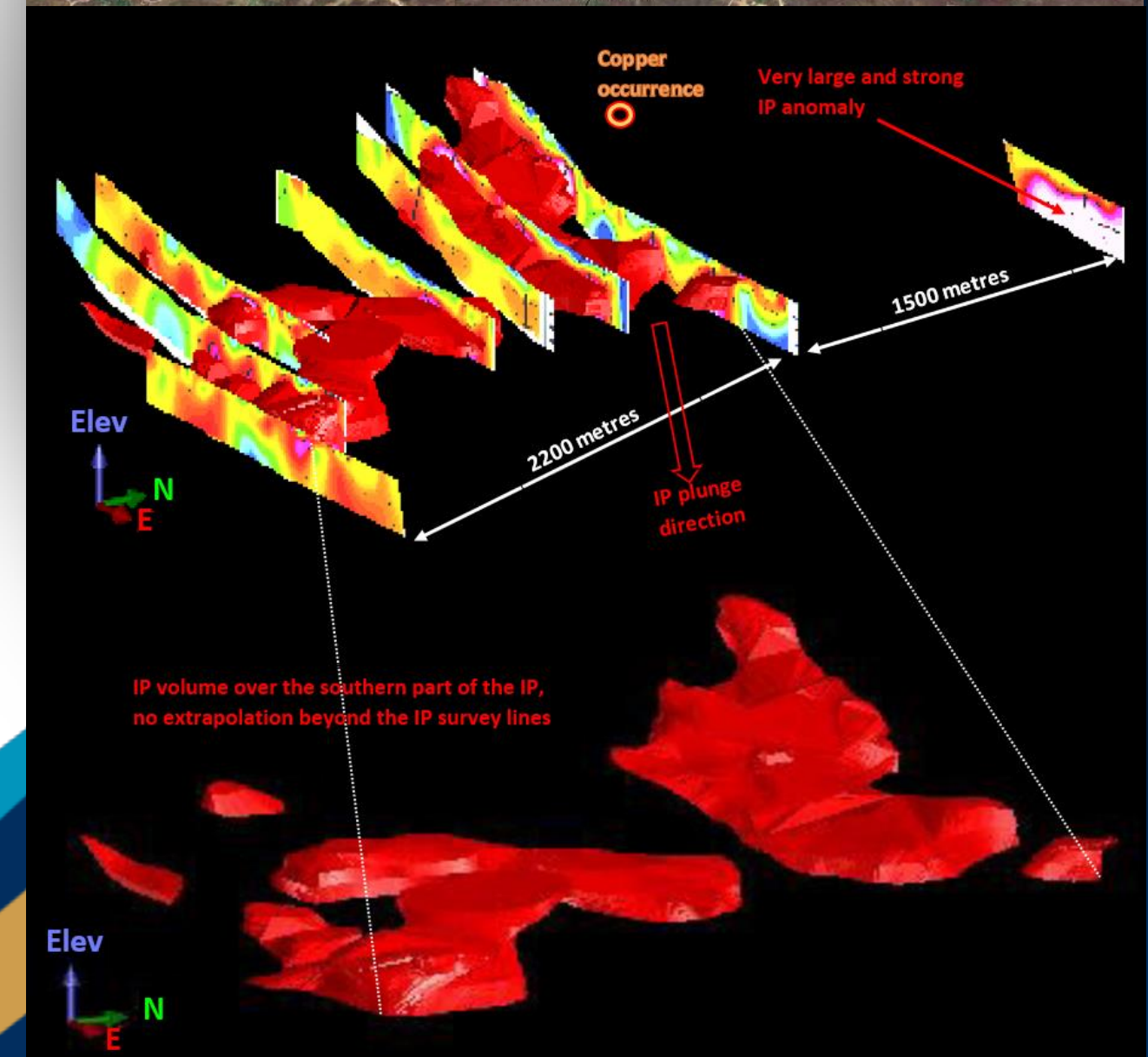
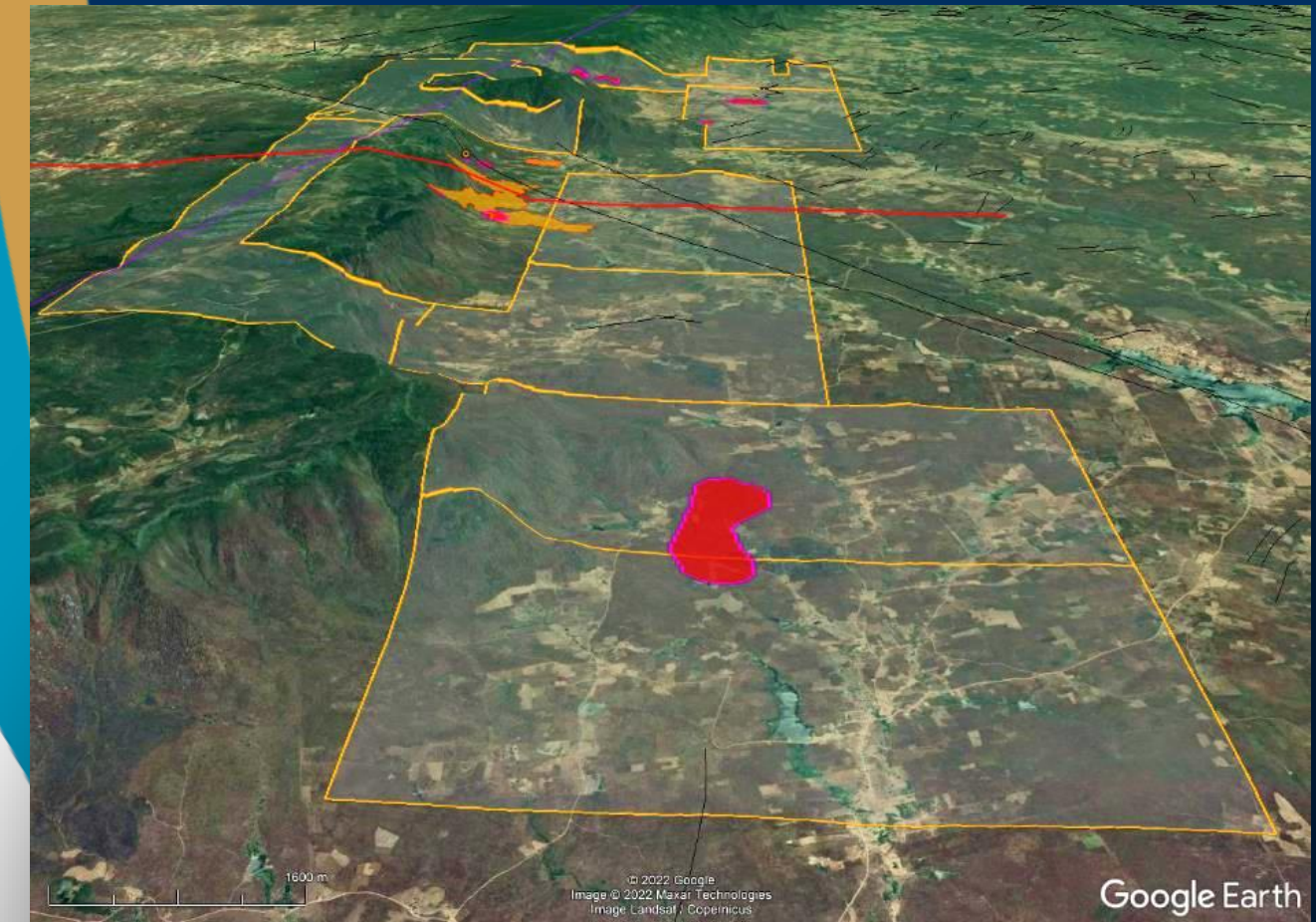
Small reconnaissance IP and magnetic surveys have indicated the general form of the deposit, which contains widespread copper mineralisation, and is open in all directions extending into at least one GMN tenement, possibly into a second GMN tenement.

Copper minerals are reportedly very widespread.

Modelling of the highest IP responses, most of which are not in GMN tenements, in approximately half the anomaly area suggests that a volume of 70 million m³ is present, i.e., at least 200 million tonnes of significantly sulphide bearing rock.

GMN intends to explore the extensions to the Ararenda deposit which overlaps into the GMN tenements. NOTE: majority of IP survey was not on GMN tenements.

Source for deposit modelling: Silva CDA, 2016, *Prospecção Geológica e Geofísica das Ocorrências de Cu-Fe-P do tipo IOCG, Borda Oeste do Arco Magmático de Santa Quitéria, Ipaporanga/Ce. Tese, Mestrado em Geologia, Universidade Federal do Ceará — Departamento de Geologia, Fortaleza*



Brazil – REE

Gold Mountain holds 57 tenements at the application stage in the Jequié Block of the Sao Francisco craton.

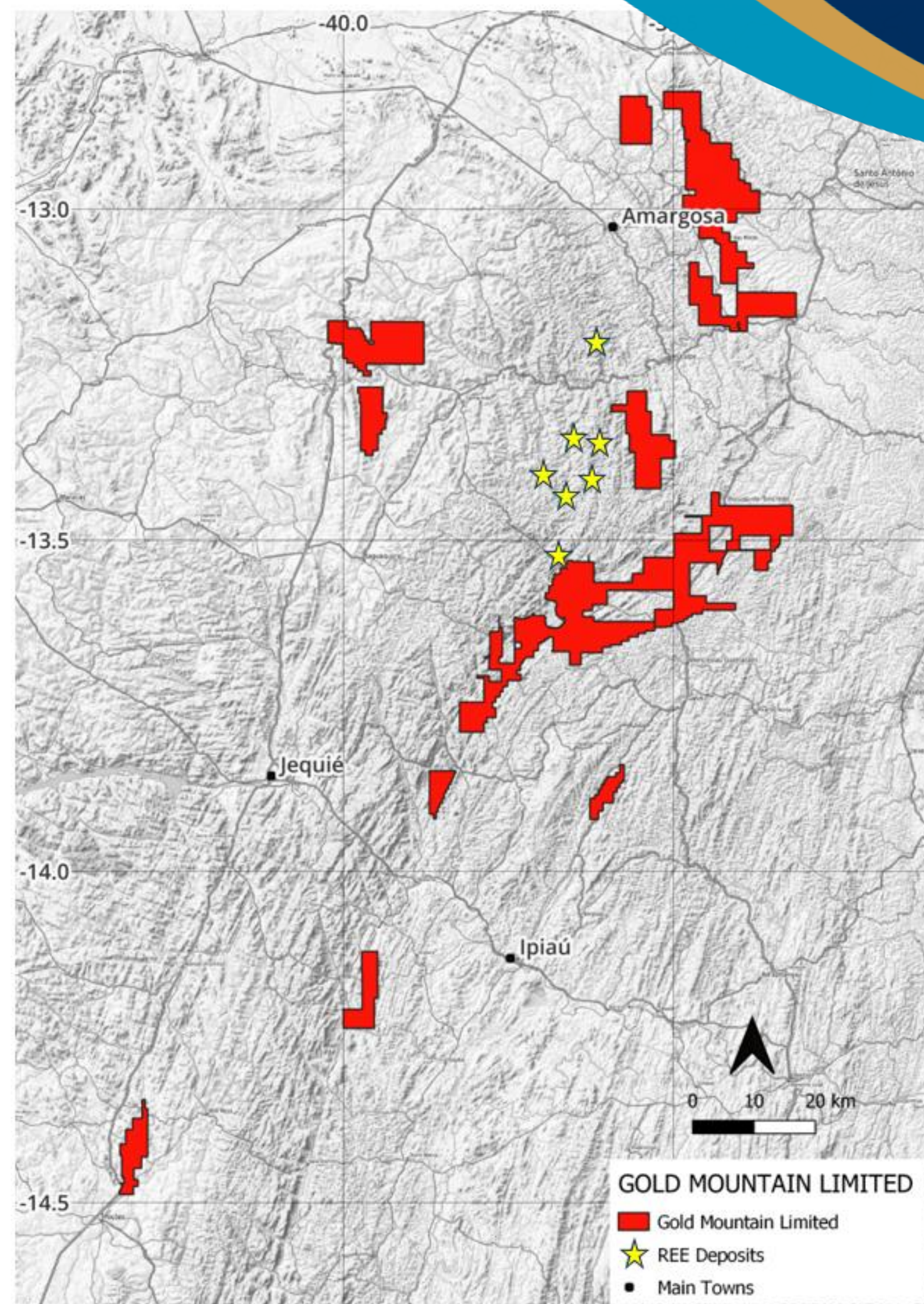
REE province in Eastern Bahia, Brazil.

Project held in the Jequié Belt :

- Down Under Project

Tenements selected to cover

- Good REE source geology regionally
- Tenements cover high thorium anomalies
- Presence of partly preserved lateritic profiles
- Major shear zones within main Jequié tenement block
- Adjacent to known REE exploration tenements with Ionic Clay type deposits with known simple metallurgical characteristics
- High Magnet Rare Earths content

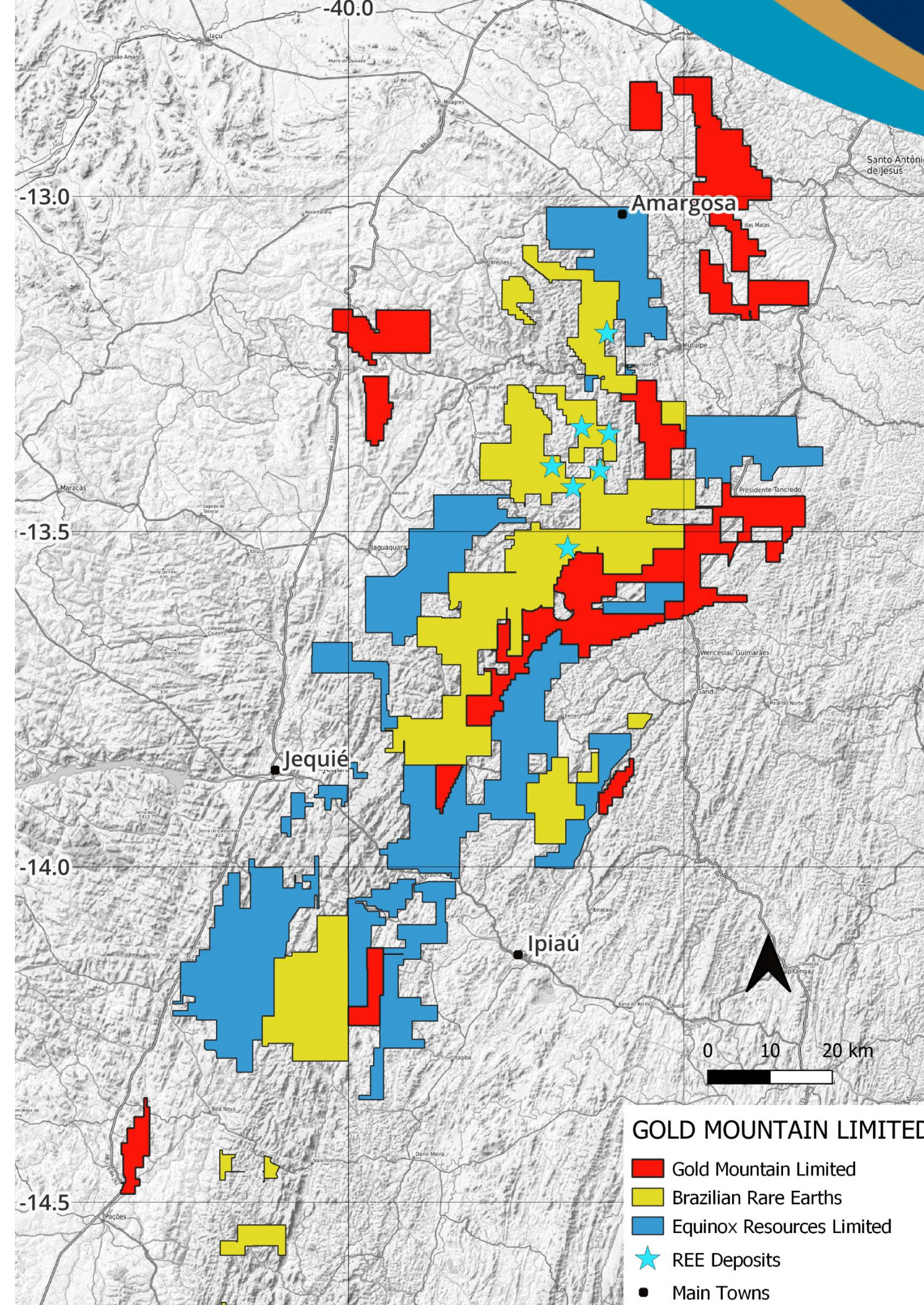


Brazil – REE

Gold Mountain holds 57 tenements applications in partially contiguous ground with BRE in Bahia state.

Tenements selected to cover

- Brazilian Rare Earths tenements contain a JORC compliant 510 Mt Inferred resource @1,513 ppm Total Rare Earth Oxide (TREO) with over 20% magnet Rare Earth Oxides (MREO), the majority of which occurs as Ionic Clay deposits (BRE Prospectus 13 November 2023).
- ASX listed Equinox Resources (ASX:EQN) have also announced significant applications in the region EQN ASX Release 28 November 2023.
- Ionic Clay REE deposits are present in the region, hosted by weathered felsic intrusives, shear zones and minor mafic-ultramafic intrusives in BRE tenements.
- Major structures, many of which are strike slip or transpressive faults, may host ultramafic rocks, host to very high grade REE mineralisation found in several localities in the BRE tenements. Similar mapped major structures and shear zones occur within the Down Under project.

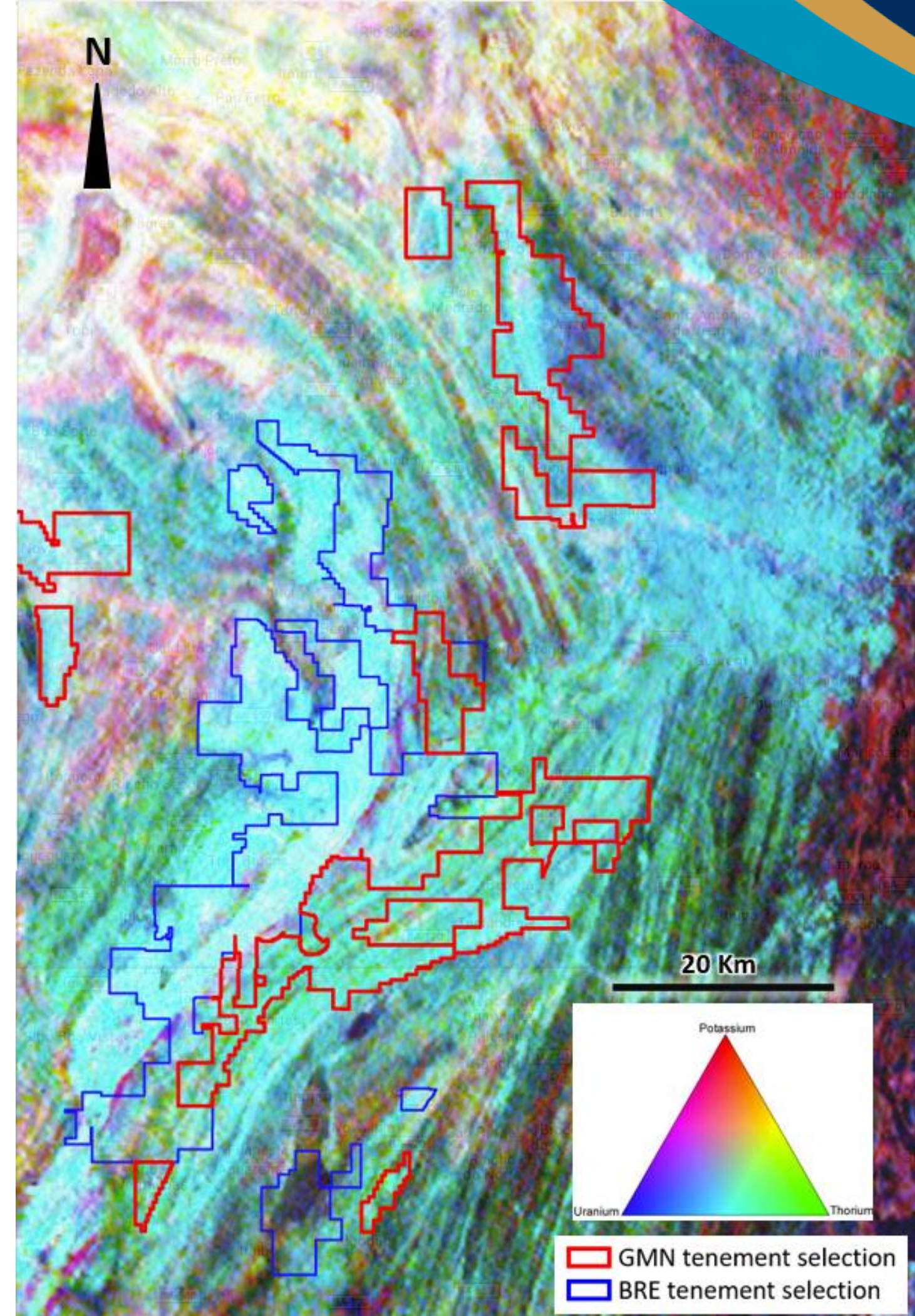


Brazil – REE

Thorium anomalies and major structures

Tenements selected to cover

- GMN tenements lie within the 20–40 km wide radiometric thorium-uranium anomaly which defines a REE productive zone.
- GMN tenements cover favorable shear zones, thorium-uranium anomalies and potential host lithologies within the regional thorium anomalies.



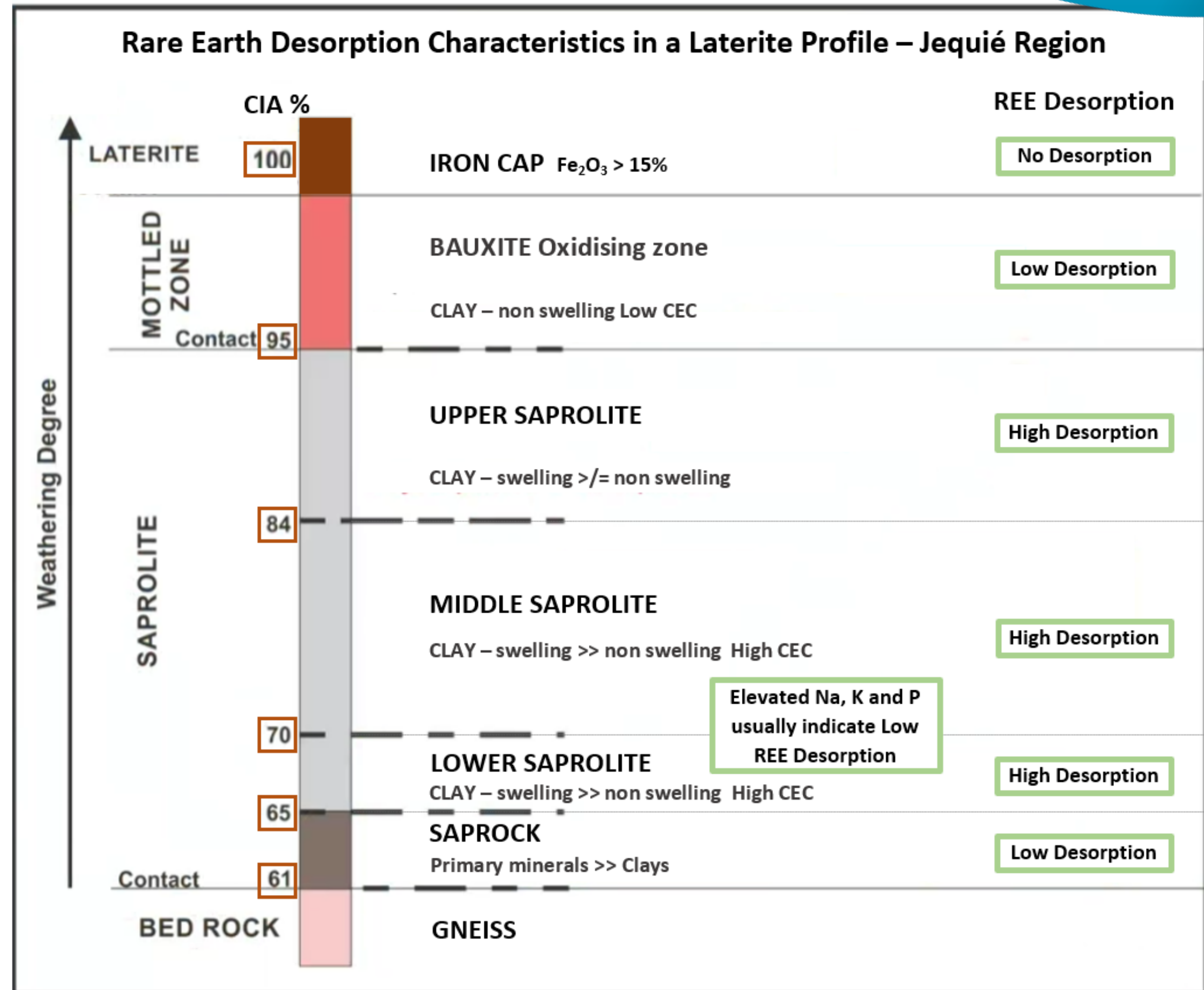
Brazil – REE

Metallurgy in the region is understood

Metallurgy

- Extensive metallurgy conducted on one project in the region
- BRE has similar mineralogy but less extensive metallurgy
- Extracted readily with Ammonium sulphate with pH adjusted
- 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



Papua New-Guinea Cu & Au

Licences cover approximately **1,646** km² of highly prospective exploration ground in the Papuan Mobile belt that host several world class copper-gold deposits. GMN holds tenements in the Wabag and Green River projects, with porphyry copper-gold and epithermal gold potential.

Wabag Copper-Gold Project

Mt Wipi

The Mt. Wipi area has several zones that are characterized by anomalous Cu, Cu/Zn, Mo, Mo/Mn, W and Bi in auger soil results. The trench and rock-chip results at Mt Wipi indicate that the anomaly is open to the southeast; additional trenches are suggested.



Monoyal – Crown Ridge

The Monoyal area has four major geochemical anomalies – the northern portions of two of these areas have been tested by nine drill-holes. The best portion of the Monoyal – Mongae Creek area appears to have been tested; however, the system is open to the southeast and should be followed up as a second priority to Mt Wipi exploration.



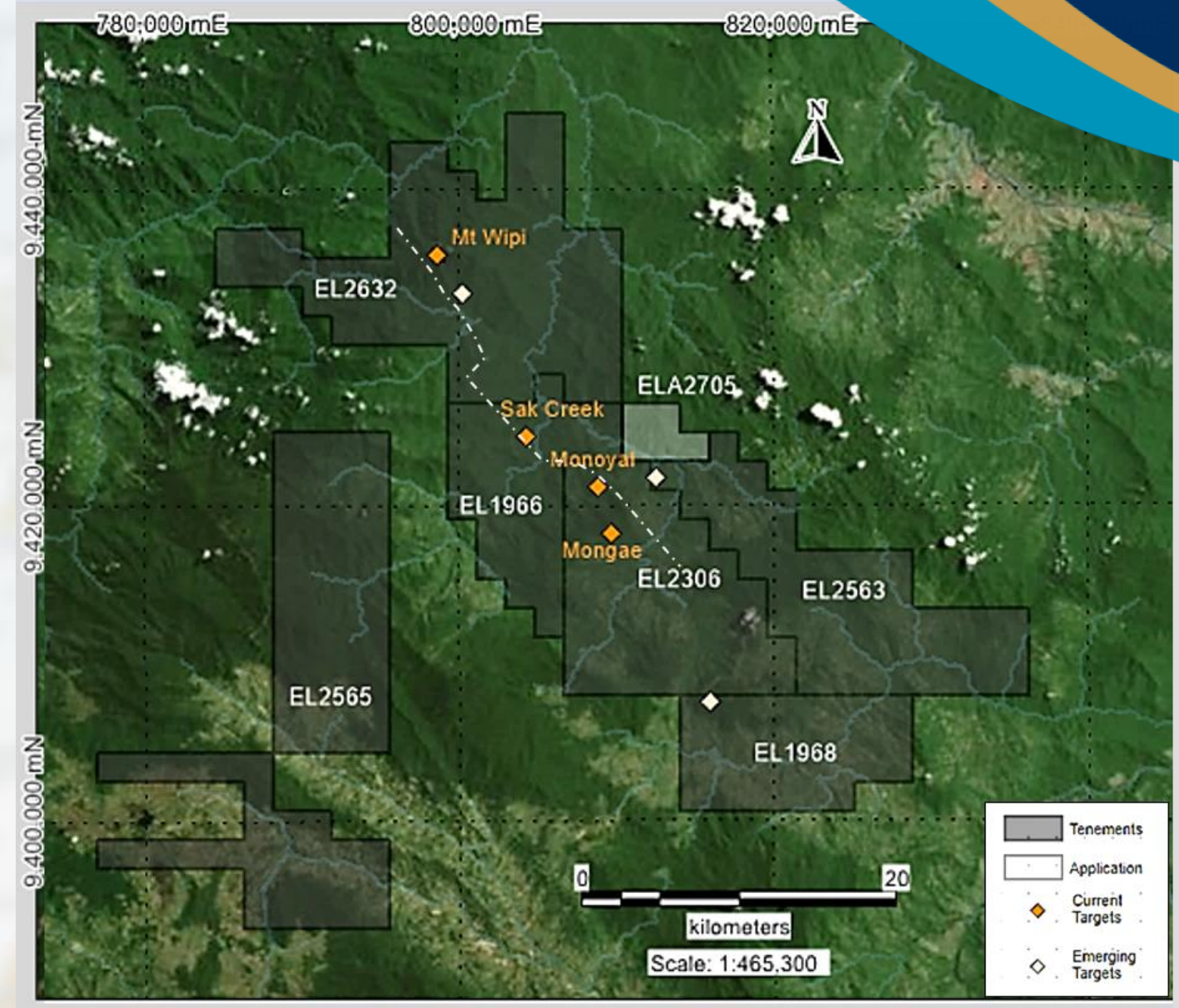
Follow up

Following on from Dr Steve Garwin's positive assessment there will likely be future work in the areas with gaps in data that will include infill stream-sediment sampling, rock-float and outcrop sampling, ridge-and-spur soil sampling, geological mapping, trenching and should results justify, diamond drilling programs.



Wabag Copper-Gold Project

- Current and emerging targets in +17km long structural corridor identified from aeromagnetic data
- Mapping and sampling has identified porphyry and skarn prospects within the corridor including at Mt Wipi, Sak Creek and Monoyal.
- More than 100 significant rock chips with $>0.5\text{g/t Au}$ and/or $>0.5\% \text{Cu}$ indicating potential mineralisation.
- Data review showed that additional untested targets are present that should be drill tested, both at Mt Wipi, but also in areas close to Monoyal parts of which were previously drilled.
- Some additional sampling is required prior to final design of drill holes.



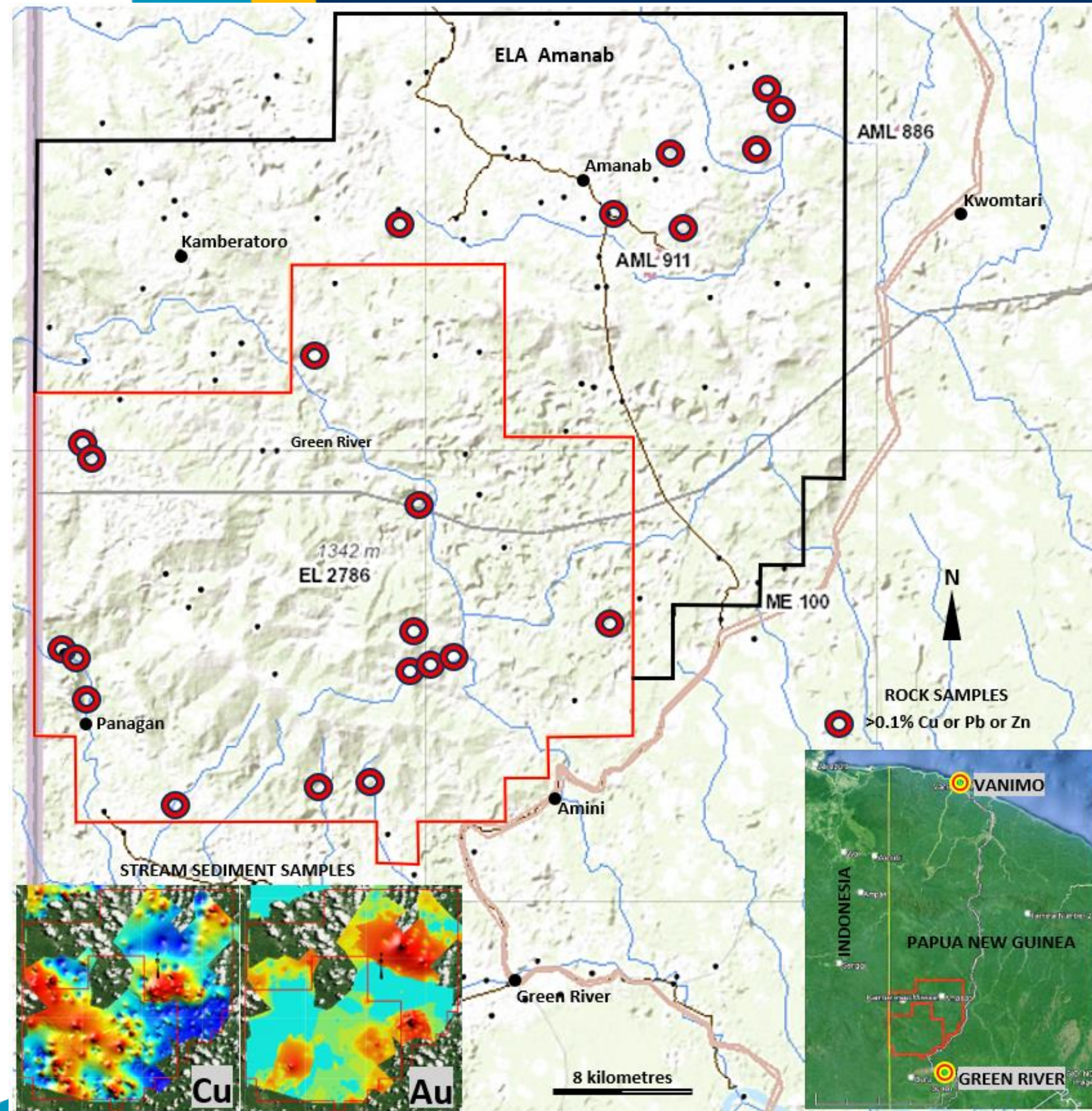
MT Wipi mineralised intercepts include MWD003 - 1m @ 6.54g/t Au from 115m and 2m @ 2.27Au from 34m; MWD004 - 18m @ 0.21g/t Au from 247m.

Hole MWD005 was drilled to a depth of 470m with wide zones of alteration and mineralisation identified.

Kandum - Pully prospect indicative of porphyry copper located immediately north of current drilling, coincident strong magnetic high and Cu-Au mineralised skarns and veined intrusives mapped and sampled.

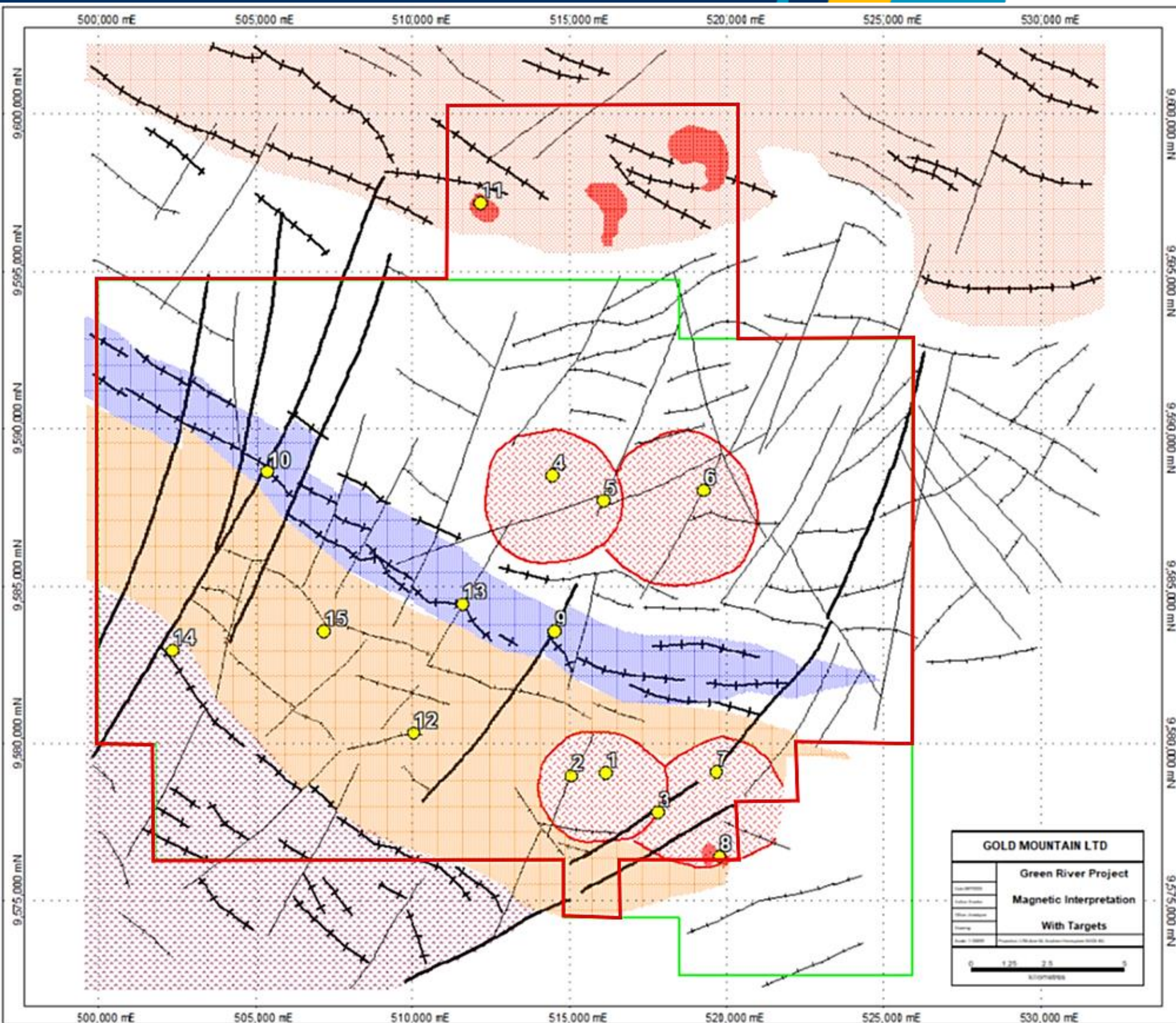
Green River-Amanab Copper-Gold Project

- 30 years worth of sampling data has been compiled and reinterpreted and combined with on the ground observations to recognize significant porphyry and epithermal copper-gold potential.
- Reinterpretation of an aeromagnetic survey has identified intrusive complexes close to known occurrences of mineralized porphyry float.
- 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.
- Logistics for the Green River-Amanab Project are very good with a major road lying adjacent to the boundaries of the tenement block.
- The Green River airstrip is also to be upgraded as the Frieda River porphyry-epithermal deposit is developed.



Green River-Amanab Copper-Gold Project

- Geophysical interpretation carried out over ELA2786 only so far. Data covers additional Amanab tenement area.
- Specific targets identified for follow up from the geophysics, combined structural and magnetic targets.
- 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.
- Major arc normal, NE trending, structural zone identified from geology. Many structures in the same directions identified in the magnetic data.



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

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.



Thank You



Goldmountain.com.au

Office Address

24/589 Stirling Highway

Cottesloe WA 6011

Tel: +61 421 903 222

info@goldmountainltd.com.au