



TG METALS

**LAKE JOHNSTON PROJECT
EMERGING HIGH GRADE LITHIUM PROVINCE**

LITHIUM | NICKEL | GOLD

R I U E X P L O R E R S C O N F E R E N C E

F E B R U A R Y 2 0 2 4

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Information in this presentation that relates to exploration results, exploration targets, geology, drilling and mineralisation is based on information compiled by Mr David Selfe who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Selfe has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activities that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Selfe has consented to the inclusion in this presentation of matters based on their information in the form and context in which it appears.

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The Company believes that it has a reasonable basis for making the forward-looking Statements in the presentation based on the information contained in this and previous ASX announcements.

The Company is not aware of any new information or data that materially affects the information included in this ASX release, and the Company confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the exploration results in this release continue to apply and have not materially changed.

Cautionary Statement – Visual Estimates

This presentation contains references to visual results and visual estimates of mineralisation. The Company draws attention to uncertainty in reporting visual results. Visual estimates of mineral abundance should never be considered a proxy for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

Corporate Overview

CAPITAL STRUCTURE

Current shares on issue	71.1M
Cash (as at 31 December 2023)	\$10.76M
Market Cap (at \$0.22/share)	\$16.7M
Unlisted Options*	16.53M
Performance Rights**	5.1M
Enterprise Value	\$5.94M

^Including 17m shares escrowed

* 7.86m Vendor & Seed options: 3 year expiry, \$0.20 and \$0.25 exercise

* 3m Director & Management options: 5 year expiry, \$0.30 exercise

* 3.225m Broker options: 30 June 2024 expiry, \$0.30 exercise & 2.0m Broker options: 9 Feb 2027 expiry, \$1.125 exercise

* 0.5m Corporate Advisor Options: 31 Oct 2024 expiry, \$0.30 exercise

** Various VWAP based incentive milestones (starting from 20 day VWAP exceeding \$0.40)

SHAREHOLDER COMPOSITION

Top 50 Shareholders	52%
Directors & Management	5.40%

DIRECTORS & MANAGEMENT

Mr Richard Bevan - Non Executive Chairman, B App Sc, MAICD

Mr Brett Smith - Non Executive Director, BSc Hons Geology, MAusIMM, MAIG, MAICD

Ms Gloria Zhang - Non Executive Director, BCom Marketing & Management, MBA, MAICD

Mr David Selfe - Chief Executive Officer, BSc Mineral Exploration and Mining Geology, FAusIMM

Ms Nicki Farley - Company Secretary, BA LLB, GAICD

Lake Johnston Region of Western Australia

- 4 operating lithium mines
- Close to Esperance Port
- TG Metals has the dominant land holding over Lake Johnston greenstone belt
- Lithium discoveries being made

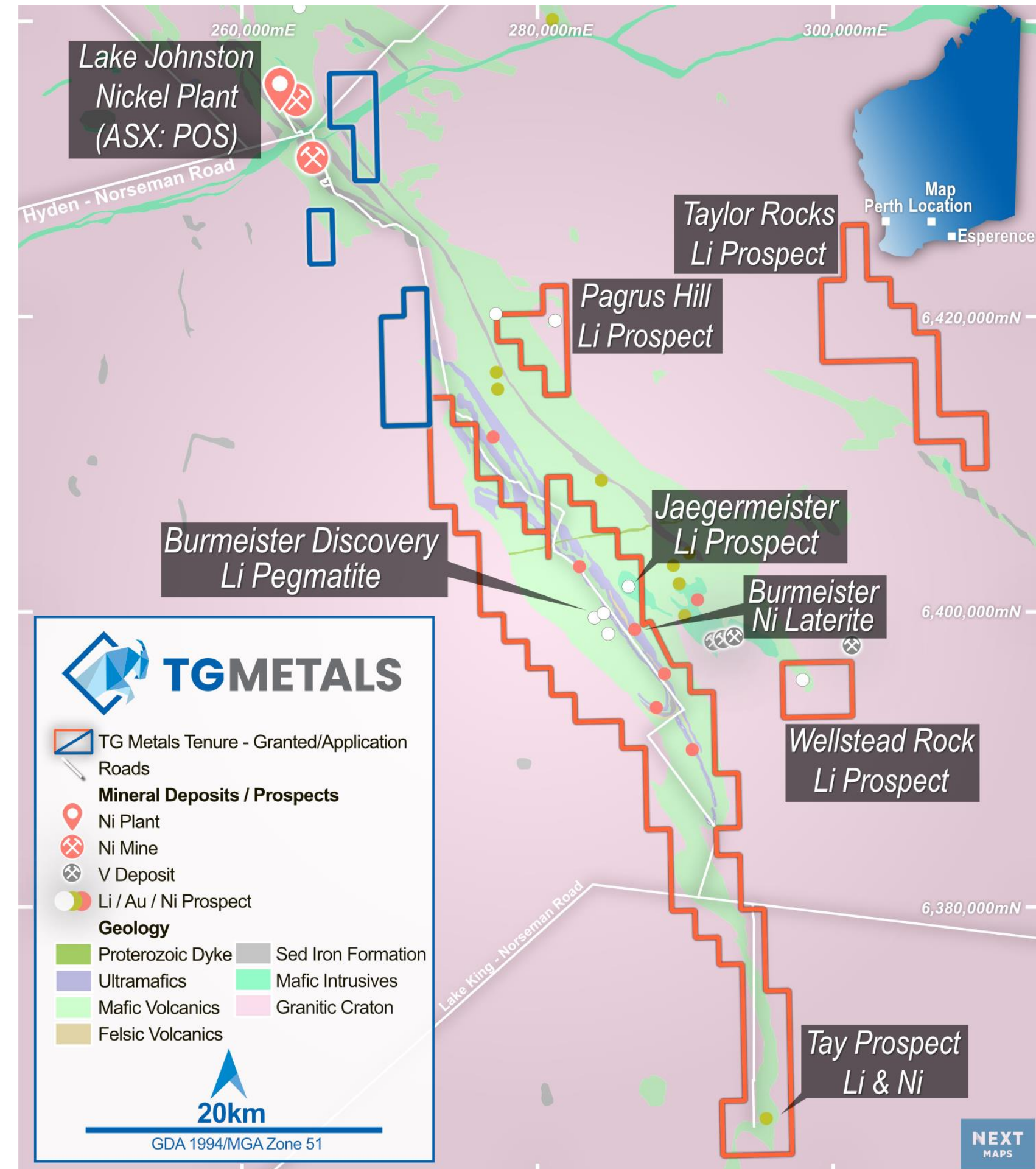
Underexplored for lithium



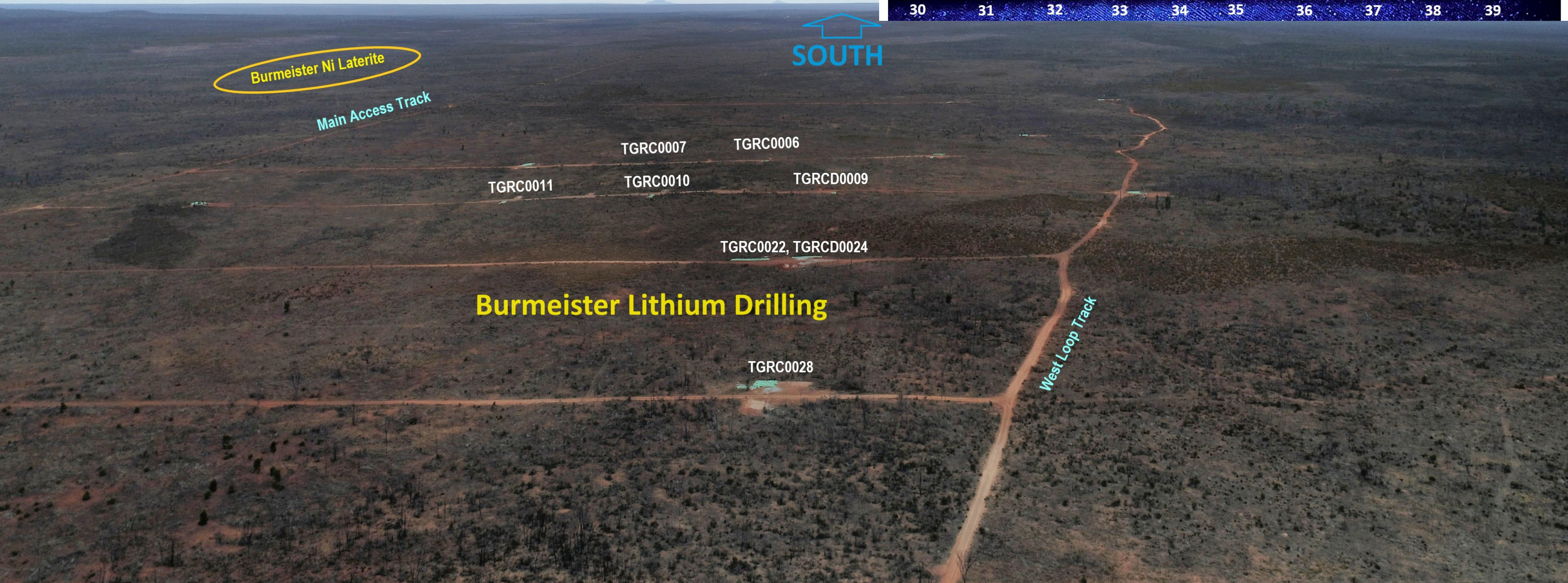
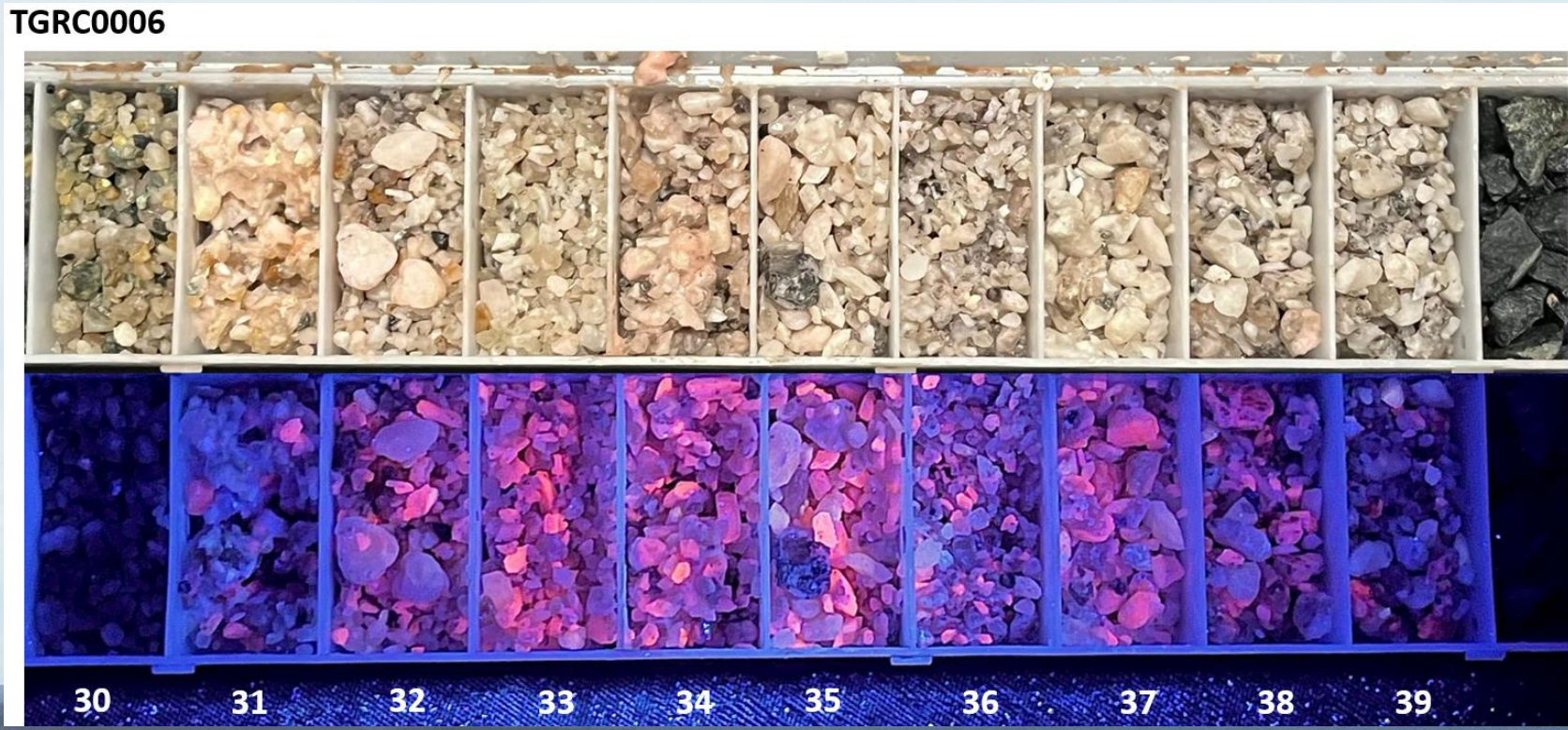
TG Metals Lake Johnston Project

- +50 km strike of Greenstone Belt prospective for LCT pegmatites
- Significant new **Burmeister** discovery (Oct '23)
- Burmeister drilling delivering **high grade Li**
- New **Jaegermeister** prospect – extensive soil anomaly to be tested with upcoming drilling
- **Tay Prospect** – highly prospective target with approvals underway

Located between prolific lithium bearing Greenstone Belts



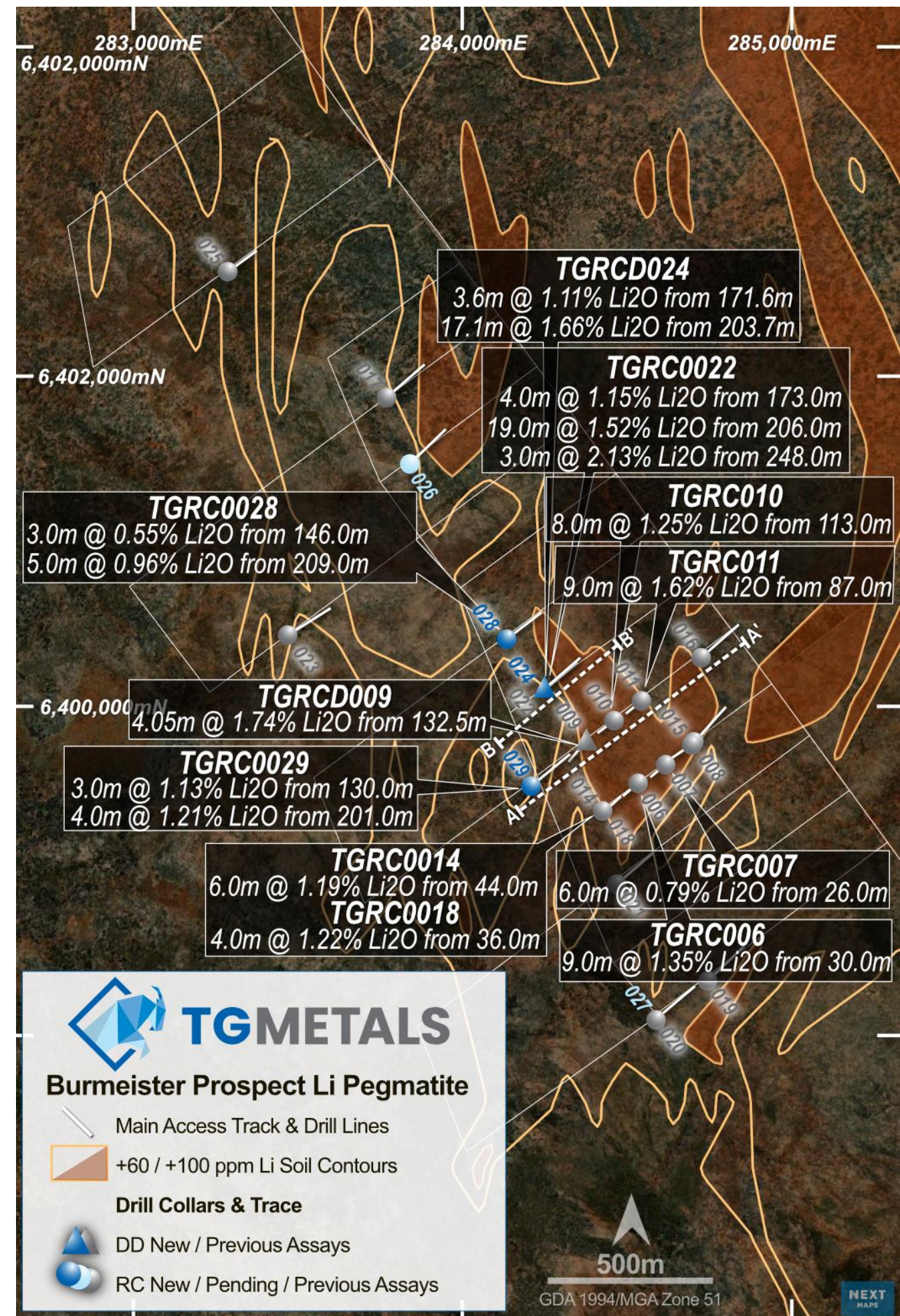
Burmeister Lithium Pegmatite Discovery



Burmeister Discovery

- Stacked pegmatite system
- 1400m of mineralised strike length
- Best drill intercepts to date:
 - 9m @ 1.62% Li₂O**, from 87m (inc. 1m @ 2.28%)
 - 19m @ 1.52% Li₂O**, from 206m (inc. 2m @ 2.53%)
 - 17.1m @ 1.66% Li₂O**, from 203.7m (inc. 2m @ 2.18%)
- Approvals setting up for future resource drill-out

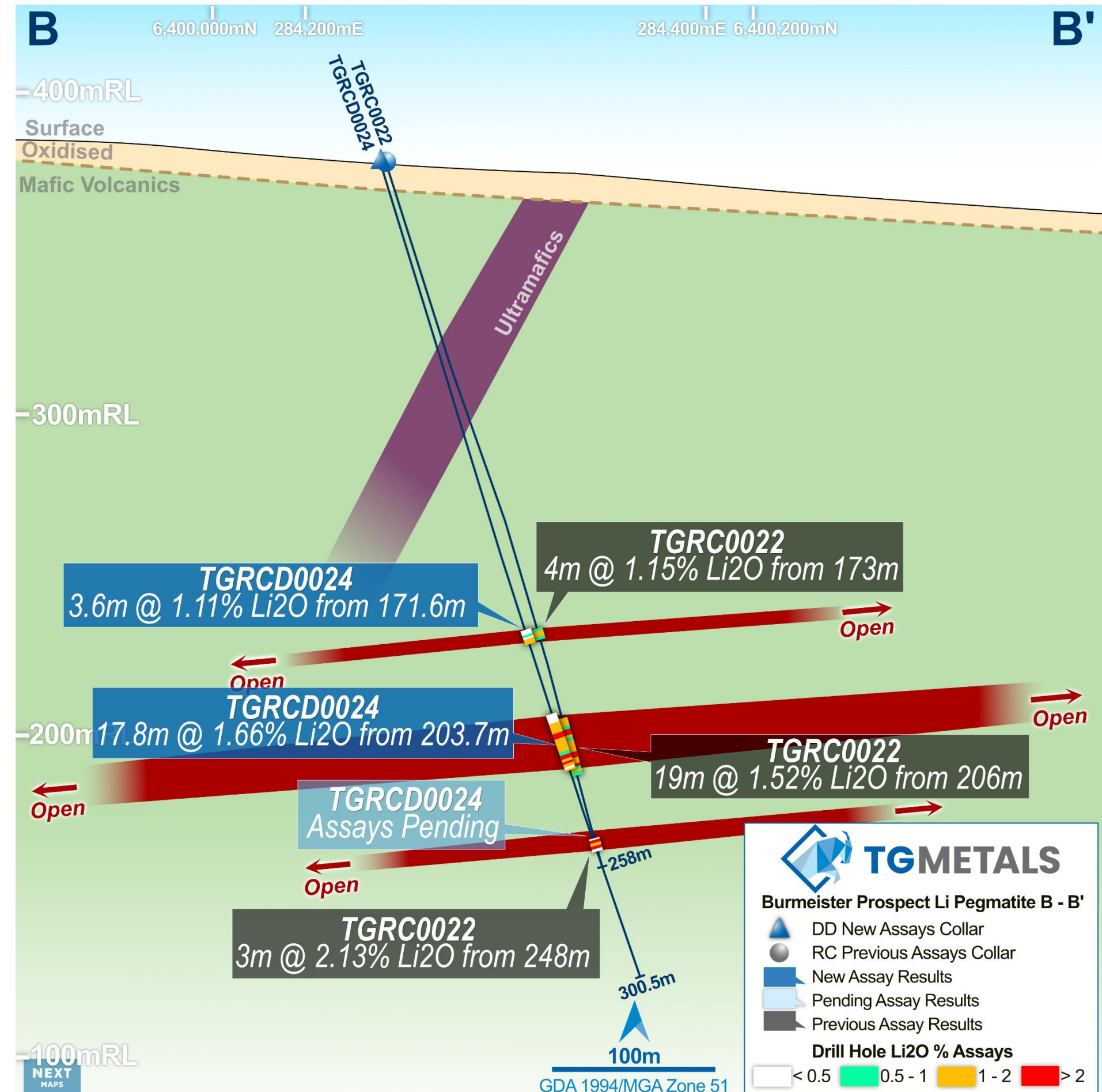
Burmeister prospect is growing



Burmeister Pegmatites

- Shallow weathering profile
- Flat dipping (favourable for mining)
- Main pegmatite thickens towards the North
- Spodumene occurs throughout the pegmatites
- High grade

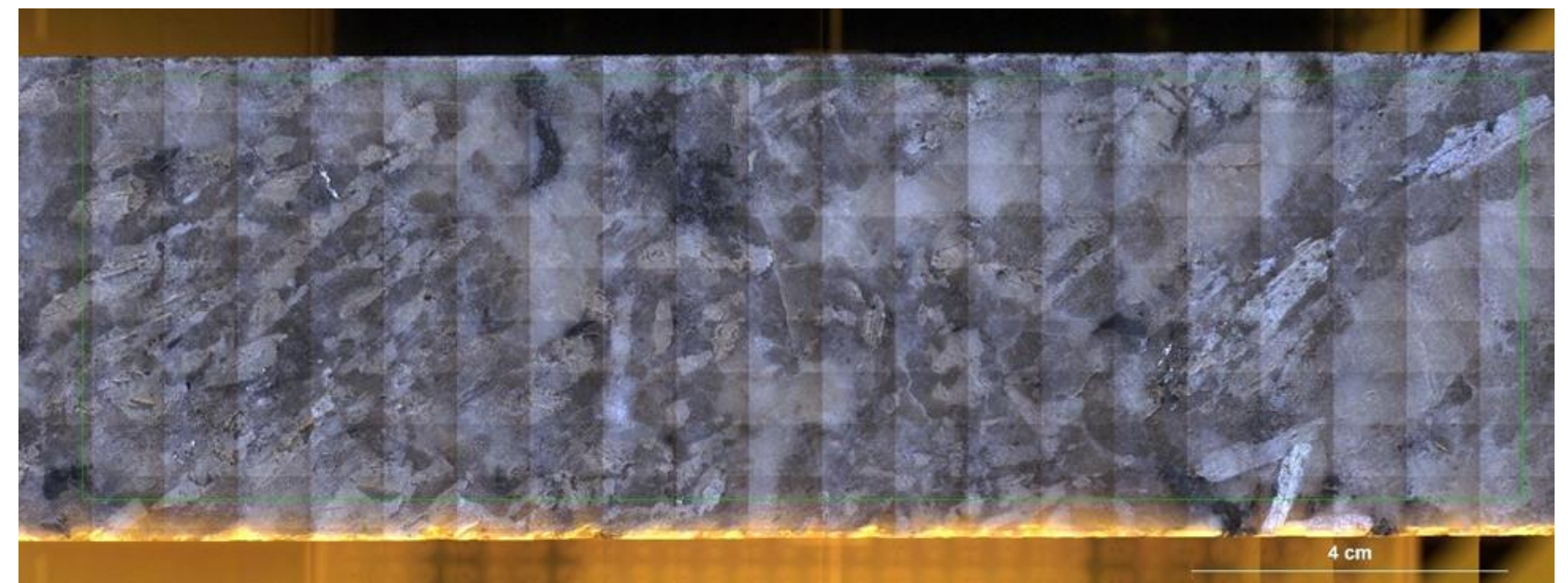
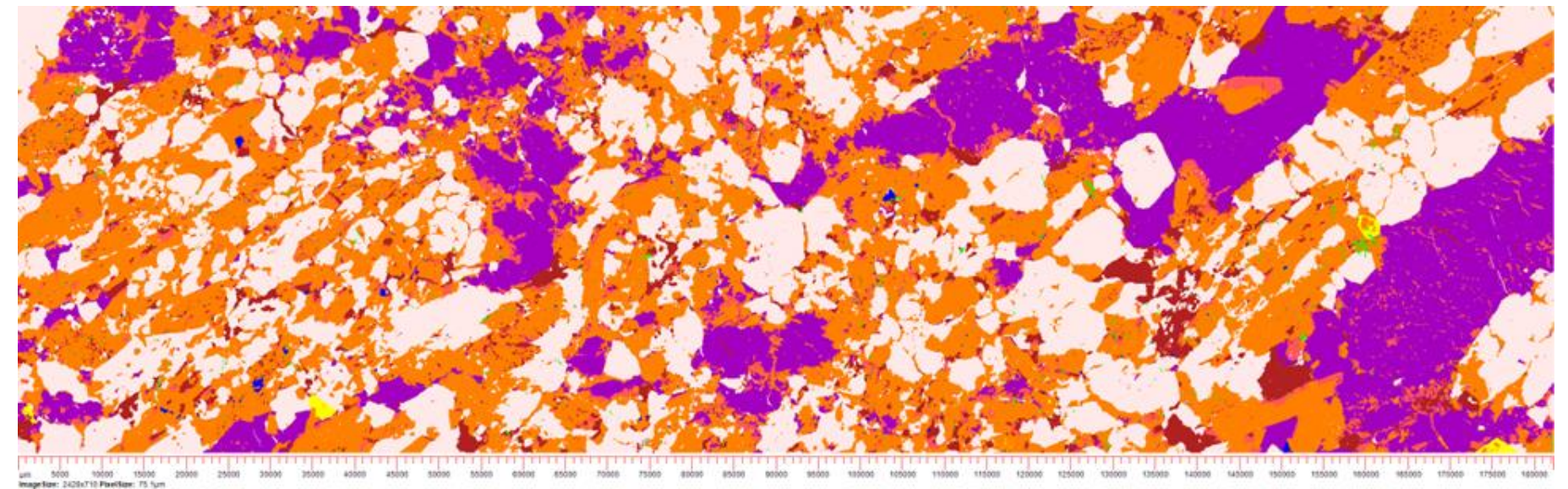
Open down dip, up dip and along strike



Burmeister Mineralogy

- Spodumene identified as the dominant mineral @ 35.9%
- Simple mineralogy suggests simple, low-cost metallurgy for concentrate production
- Sighter test metallurgy to be performed on composite core samples collected in current drill program

Mineral	Area%	Colour	Mineral	Area%	Colour
Spodumene	35.90	Orange	Pollucite	0.16	Yellow
Quartz	34.24	Light Pink	Apatite	0.14	Blue
Microcline (Rb-Bearing)	19.23	Purple	Zircon	0.02	Light Yellow
Albite	5.17	Red	Spessartine	0.02	Light Blue
Zinnwaldite	4.83	Dark Red	Tapiolite	<0.01	Olive Green
Columbite	0.27	Bright Green	Zn-Phase	<0.01	Cyan

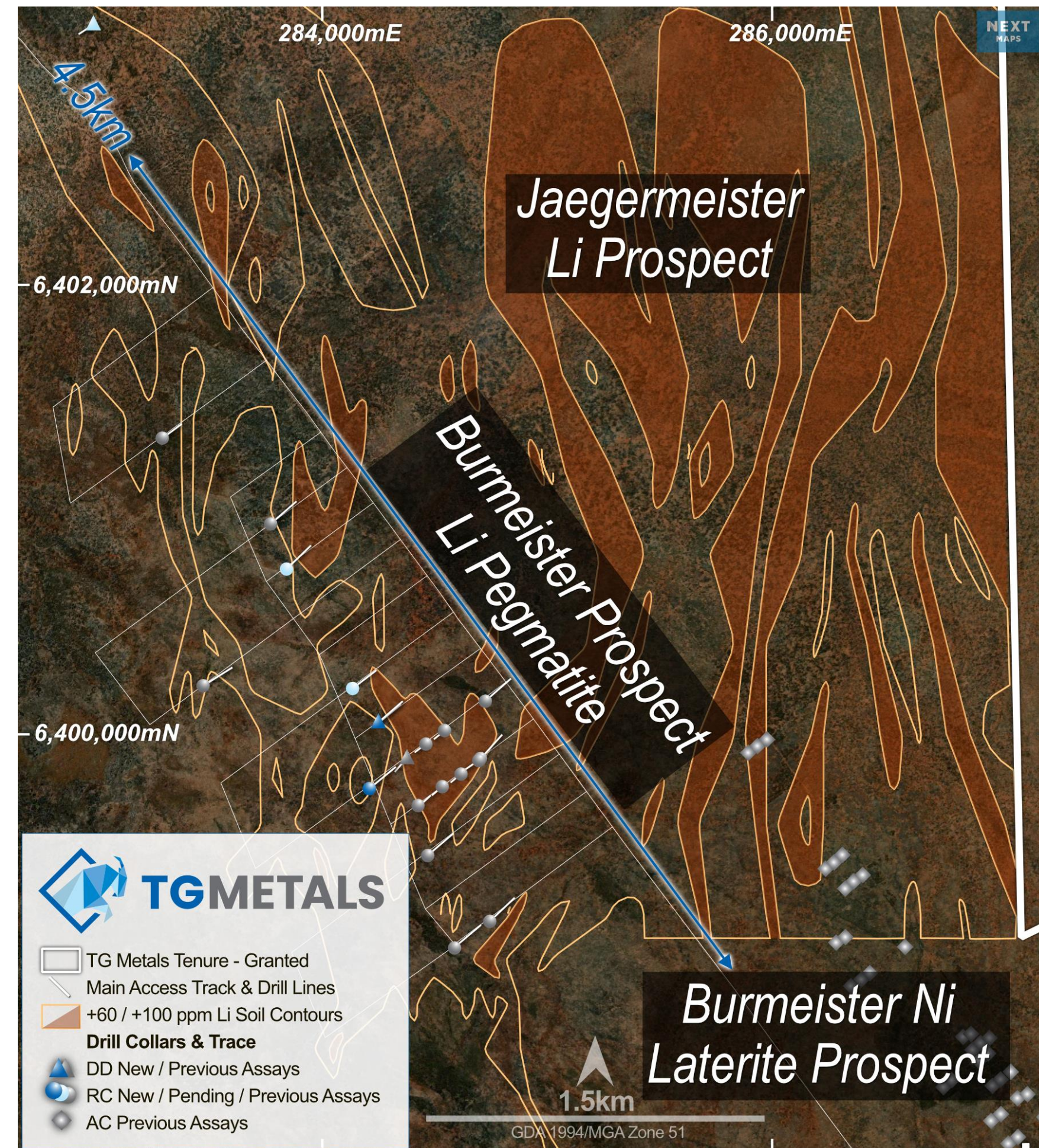


Simple Mineralogy = Simple Metallurgy

Jaegermeister Prospect

- Large high tenor +100ppm Li_2O soil anomaly
- ~5km in strike and open north and south
- Untested by drilling
- Approvals well advanced with Heritage surveys planned for February
- Drill targeting ongoing with soil data and learnings from Burmeister drilling
- Potential for further occurrences along all of western margin of the greenstone belt

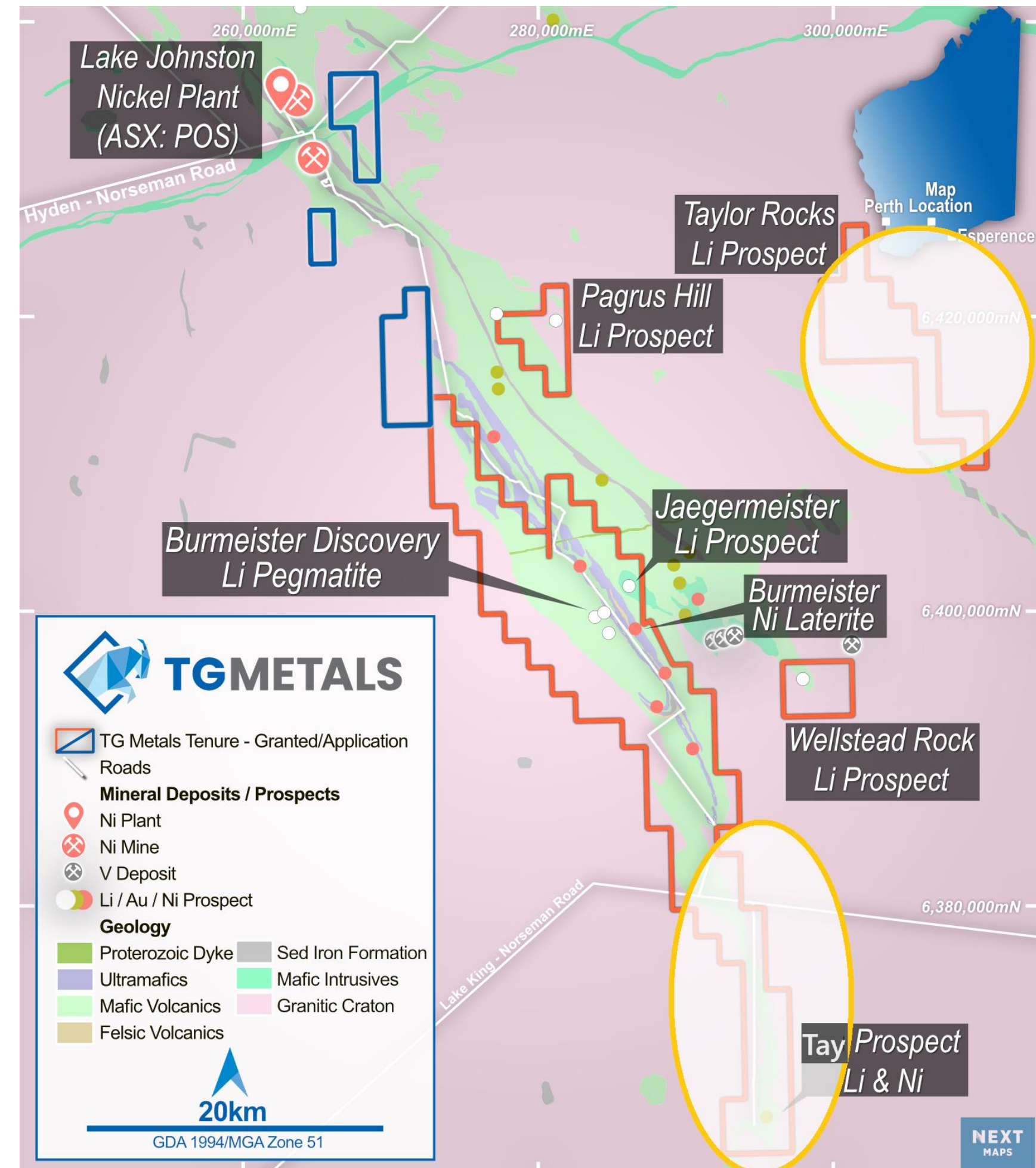
Shallow dipping pegmatites delivers large discovery area and large targets



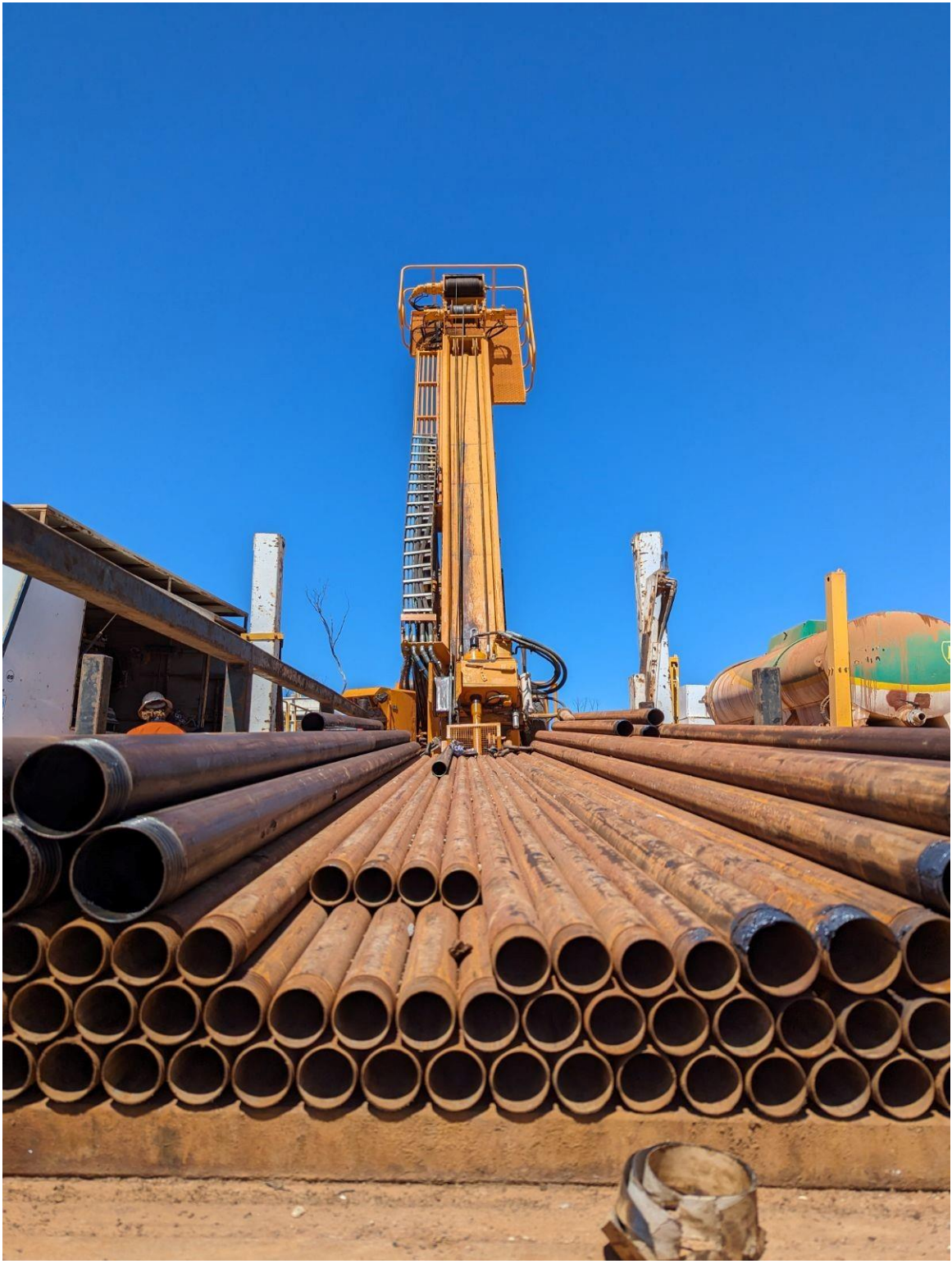
Emerging Prospects

- **Tay Prospect** – historical drilling interrogated for pegmatite occurrences
 - Underexplored for lithium, historical gold and base metals focus
 - Approvals process underway for drilling
- **Taylor Rocks** – newly granted tenement. Adjacent to RIO tenure. Potential for greenstone rafts in wider granite boundaries
- **Other Strategic Applications** – North of Burmeister in lightly explored greenstone

Opening up the prospectivity of 50kms of Greenstone Belt



Ongoing Exploration Delivering Results



Key Investment Drivers

Explore, Discover & Develop World Class Mineral Deposits for the 21st Century



STRONG BALANCE SHEET

2023 Capital raising lays the foundation for ongoing exploration and flexibility for further discoveries



GREAT TEAM

Four geologists with complimentary skill sets and a strong board – sets the foundations for successful exploration



DISCOVERY

- Burmeister discovery proves the exploration methodology
- Provides the basis for further potential discoveries in the large Lake Johnston Project area



EXECUTION 2024

- Drilling on Burmeister
- Drilling on Jaegermeister
- Regional Lithium Exploration
 - Evaluating lithium mineralization early
- A Head Start on economic studies



FOCUS ON LITHIUM

Improve data and knowledge of Burmeister discovery whilst testing further targets for more LCT Pegmatite occurrences. Emerging Lithium Province – Potential large system

Thank you

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FOR MORE INFORMATION

David Selfe – CEO
Email: dselfe@tgmetals.com.au

Evy Litopoulos – Investor Relations
Resolve IR
Email: evy@resolveir.com

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