



HIGH GRADE LITHIUM

Lake Johnston Lithium-Nickel-Gold Project

RIU SOUTH-WEST CONNECT

Investor Presentation

October 2024

ASX:TG6

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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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This presentation contains certain statements that may constitute “forward looking statement”. Such statements are only predictions and are subject to inherent risks and uncertainties, which could cause actual values, results, performance achievements to differ materially from those expressed, implied or projected in any forward looking statements.

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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.

LITHIUM FOCUSED EXPLORATION & DEVELOPMENT

- ✓ Burmeister Lithium deposit progressing to maiden resource
- ✓ Jaegermeister prospect discovery adds to the project size
- ✓ Seismic results show continuity of pegmatite structures at depth
- ✓ First metallurgical tests produce SC6 concentrate under DMS*

**MAKING DISCOVERIES
PROVING DEPOSITS**





CORPORATE OVERVIEW

CAPITAL STRUCTURE

Shares on Issue	Cash & Receivables ¹	Market Cap ²	Enterprise Value
71.1M	\$8.0M	\$11.4M	\$3.4M
	¹ at 30 June 2024	² at \$0.16 share price	
Unlisted Options*	Performance Rights**	* 7.81m Vendor & Seed options: 24 May 2025 expiry, \$0.20 and \$0.25 exercise * 3m Director & Management options: 24 May 2027 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)	
13.3M	5.1M		

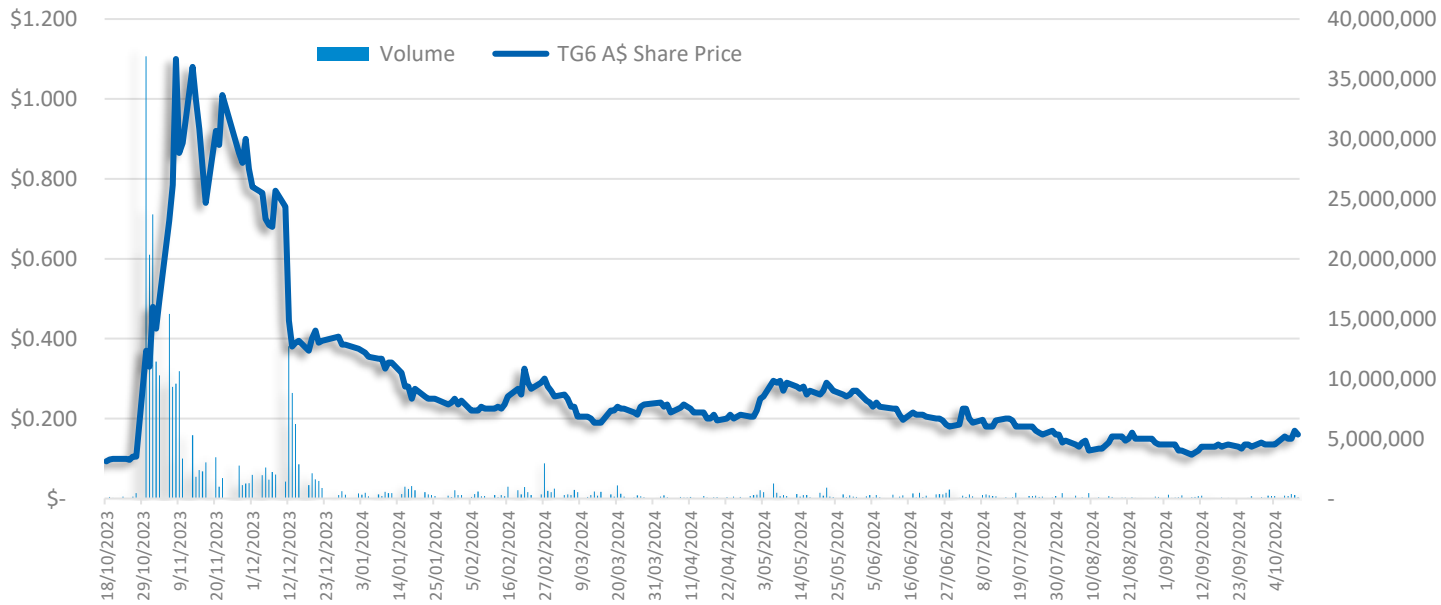
DIRECTORS & MANAGEMENT

Mr Richard Bevan	Non Executive Chairman	Mr David Selfe	Chief Executive Officer
Mr Brett Smith	Non Executive Director	Ms Nicki Farley	Company Secretary
Ms Gloria Zhang	Non Executive Director		

SHAREHOLDER COMPOSITION

Top 50 Shareholders	58.90%
Directors & Management	5.40%

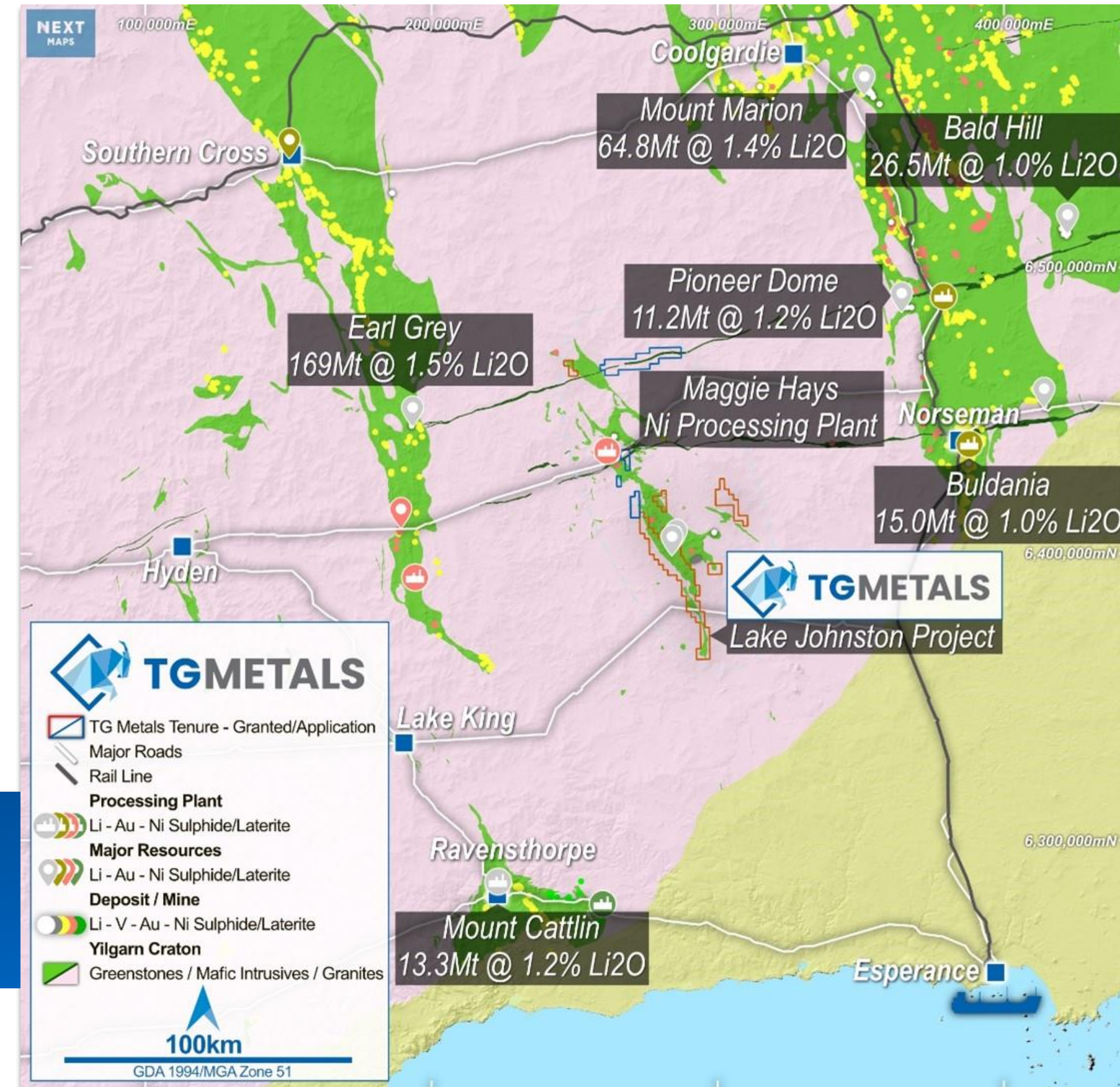
SHARE PRICE 12 Months



LAKE JOHNSTON REGION OF WESTERN AUSTRALIA

- Four operating lithium mines
- Close to Esperance Port
- TG Metals has the dominant land holding across the Lake Johnston greenstone belt
- TG Metals Burmeister lithium deposit is the largest in the belt, comparable to regional deposits
- RIO building a presence

PROVEN LITHIUM ENDOWMENT





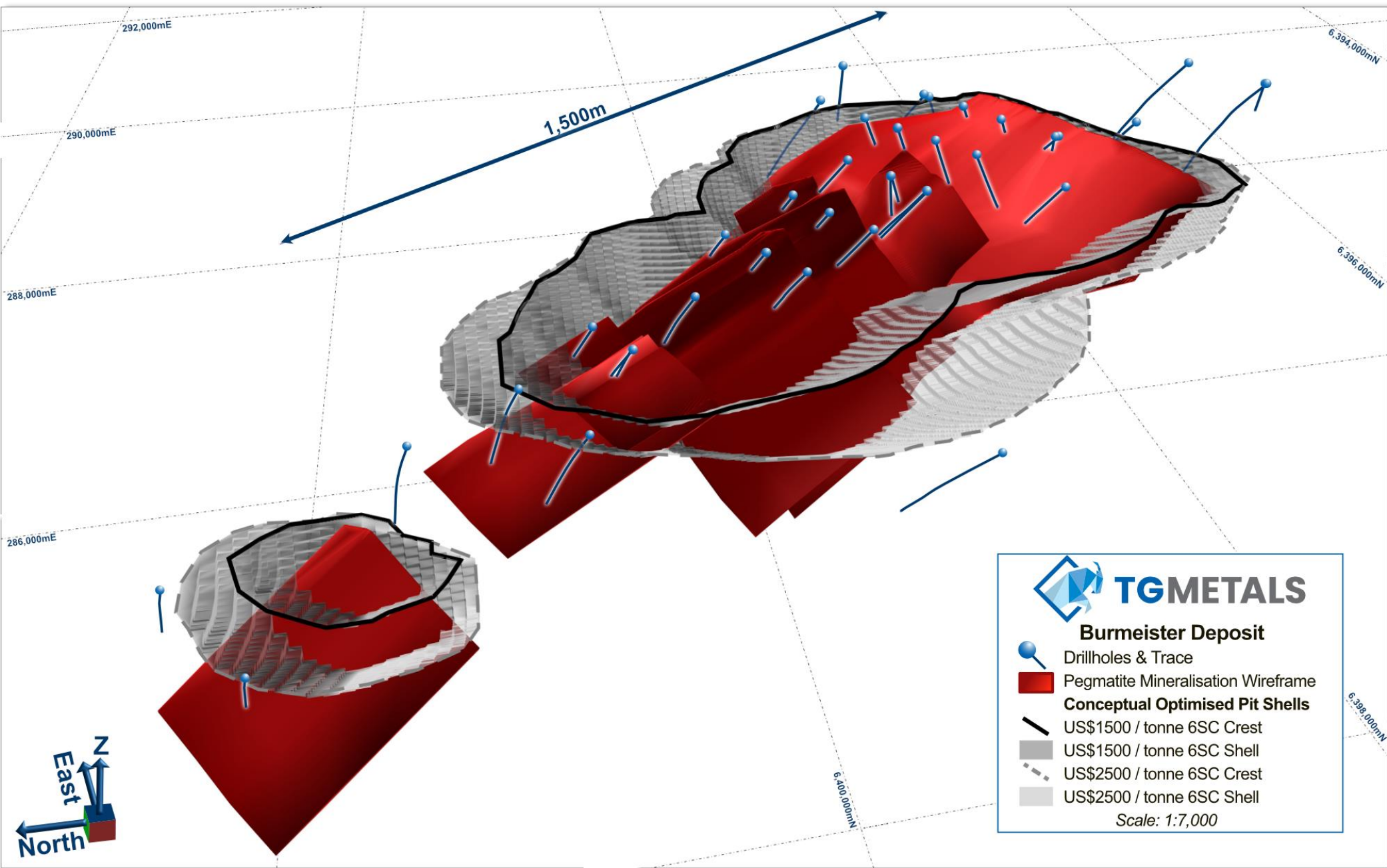
BURMEISTER DEPOSIT

- Stacked pegmatite system
- Main deposit 1,500m in strike
- Exploration Target Statement*

Tonnes Range Low	Tonnes Range High	Li ₂ O Range Low (%)	Li ₂ O Range High (%)
15.6 million	20.1 million	0.97	1.19

At 0.4% Li₂O cutoff

- Based on modelling of new drilling
- Conceptual pit shells derived from operating mine data and conservative assumptions

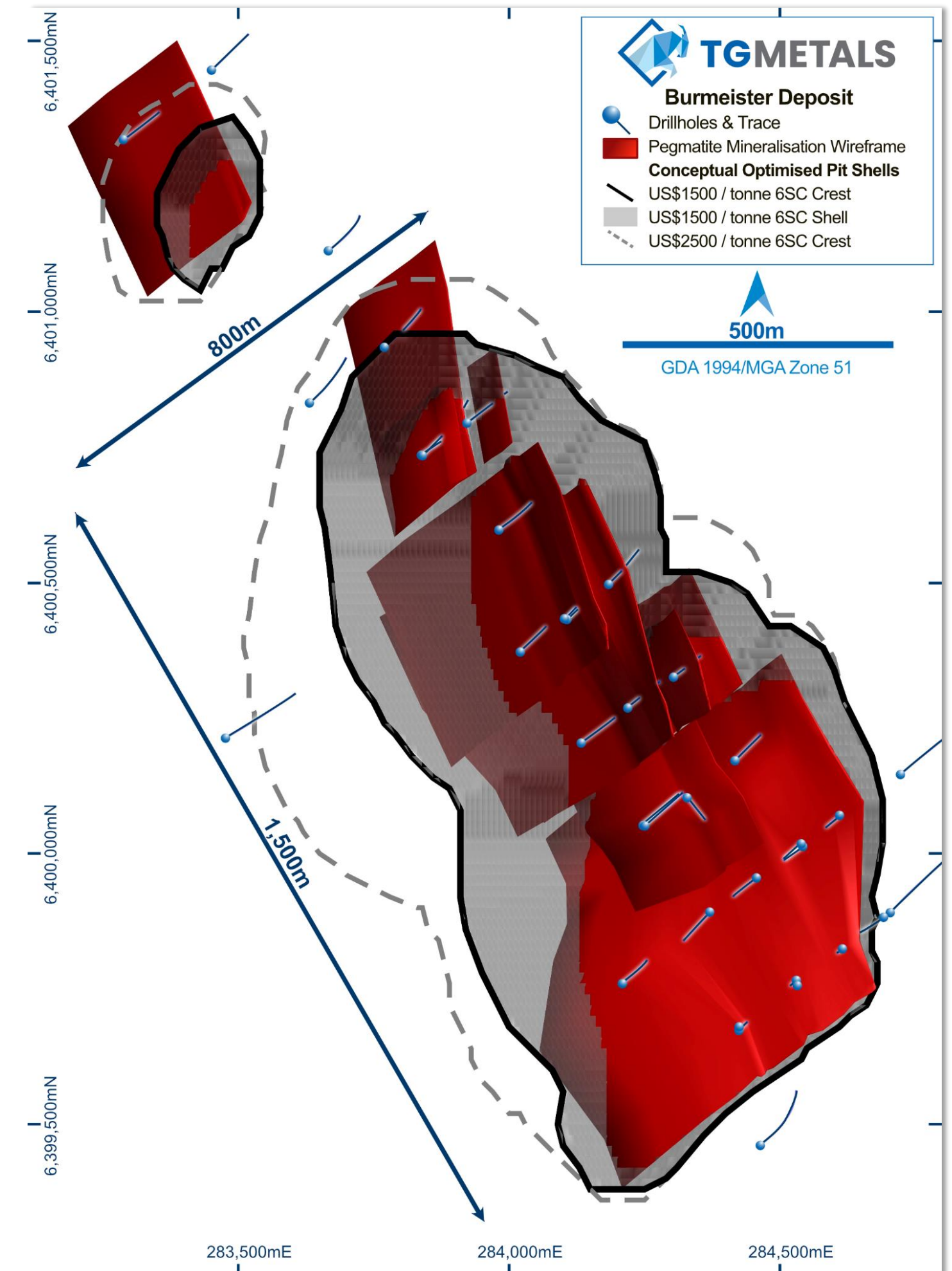


BURMEISTER - A SIGNIFICANT HARD ROCK LITHIUM DEPOSIT

BURMEISTER DEPOSIT

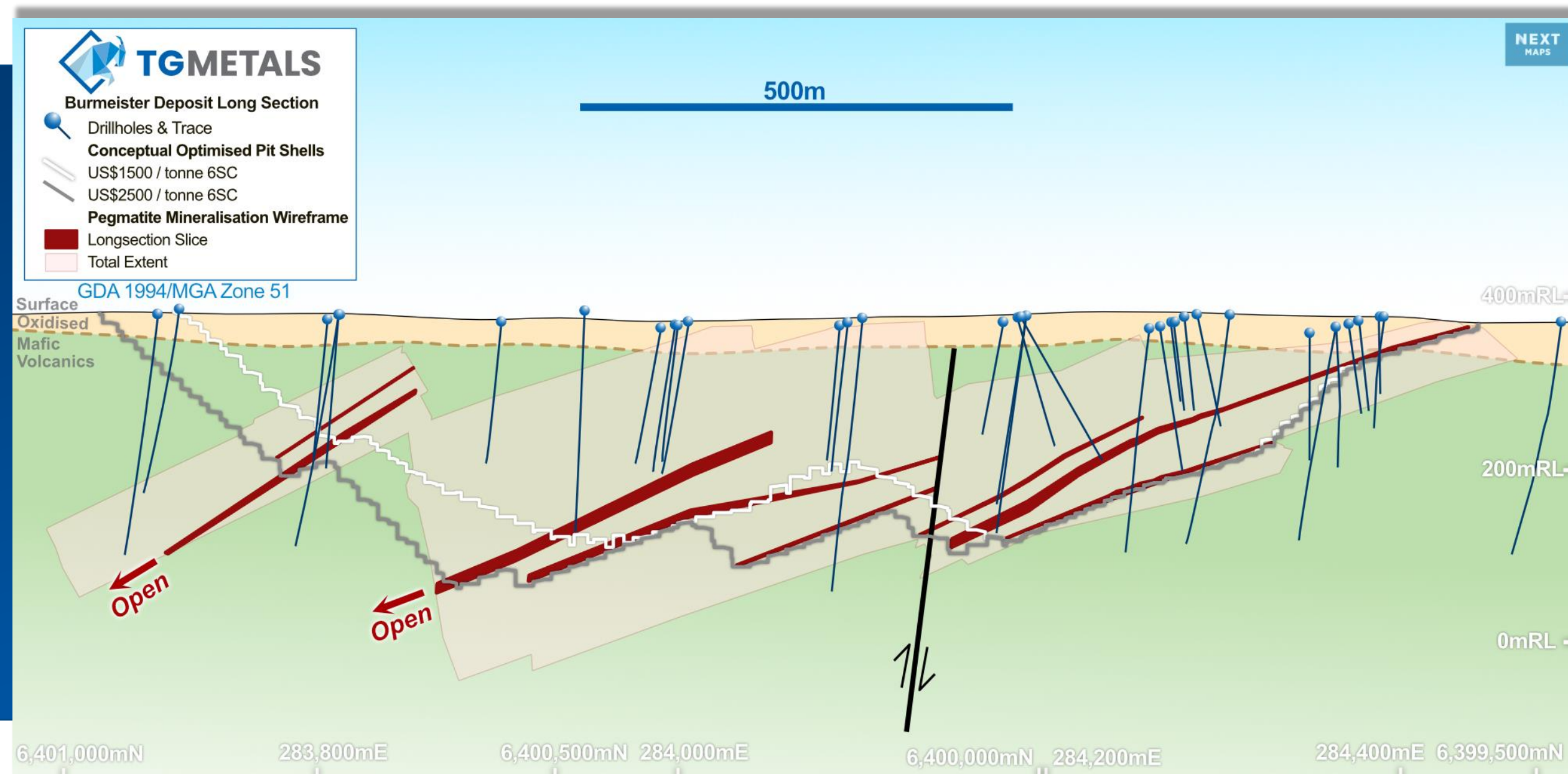
- Potential standalone size and grade
- Untested upside within and proximal to conceptual pit shells to be defined by Seismic survey results
- Best drill intercepts from recent drilling*:
 - 23.5m @ 1.52% Li_2O , from 127.4m
 - 20m @ 1.38% Li_2O , from 120m
 - 20m @ 1.13% Li_2O , from 129m
 - 10.5m @ 1.60% Li_2O , from 87.2m
 - 7.6m @ 1.37% Li_2O , from 119.4m

HIGH GRADES AND CONSISTENT MINERALISATION



BURMEISTER PEGMATITES

- Shallow weathering profile
- Stacked pegmatites with shallow dips
- Optimised pit shells take in majority of modelled mineralisation – **open at depth**
- Spodumene occurs throughout the pegmatites
- 100m x 100m infill to get inferred resource



**OPEN DOWN
DIP, UP DIP
AND ALONG
STRIKE**

BURMEISTER METALLURGY

- Spodumene identified as the dominant mineral @ 35.9%
- First sighter metallurgy has produced spodumene concentrate up to 6.31% Li_2O *
- DMS proven effective on Burmeister ore
- Front end ore sorting performed well, rejecting approx. 70% of basalt waste, upgrades process feed
- Ability to have a DMS component in the flowsheet is important to processing economics

**SIMPLE MINERALOGY = SIMPLE
METALLURGY**



BURMEISTER METALLURGY

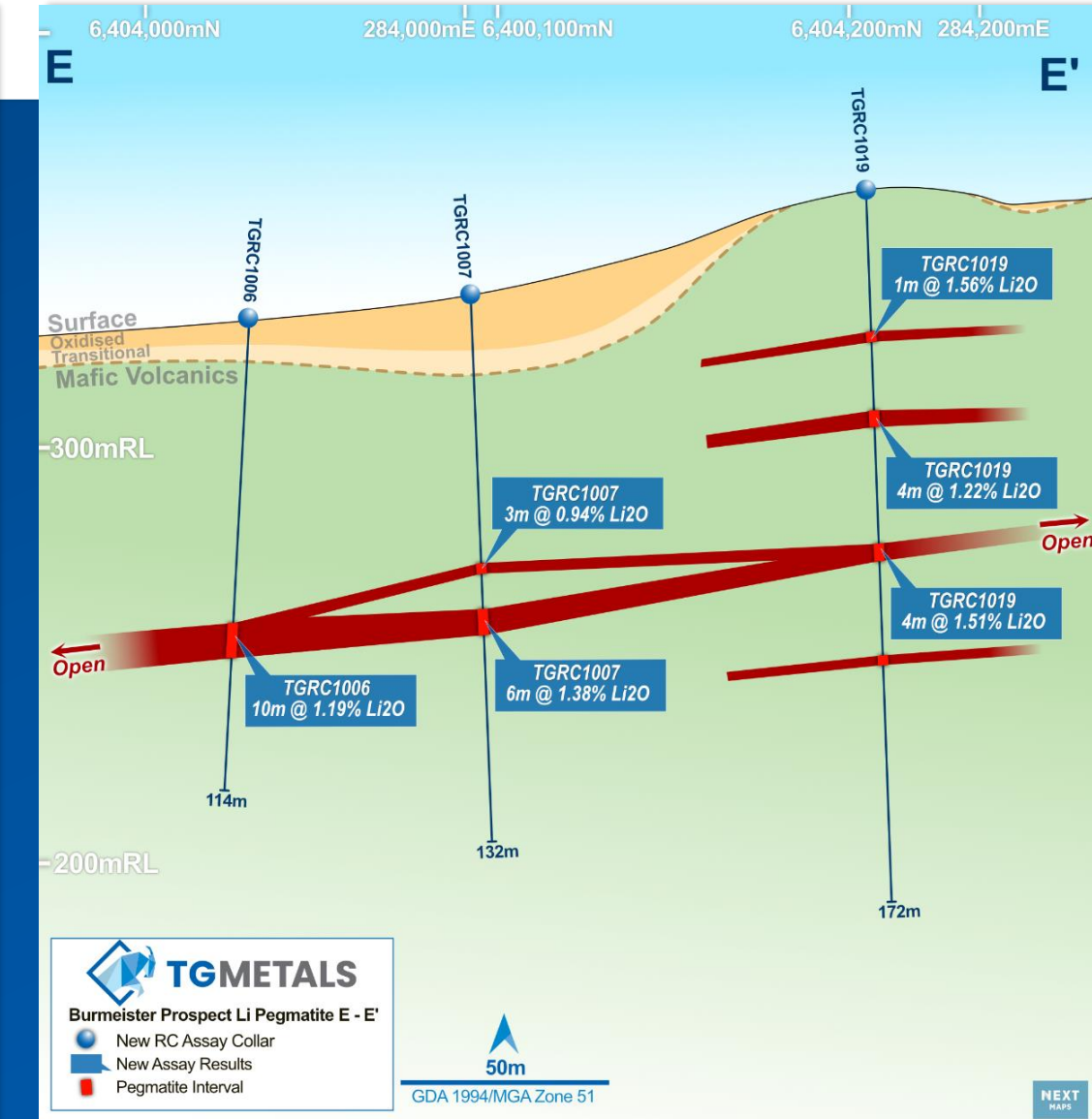
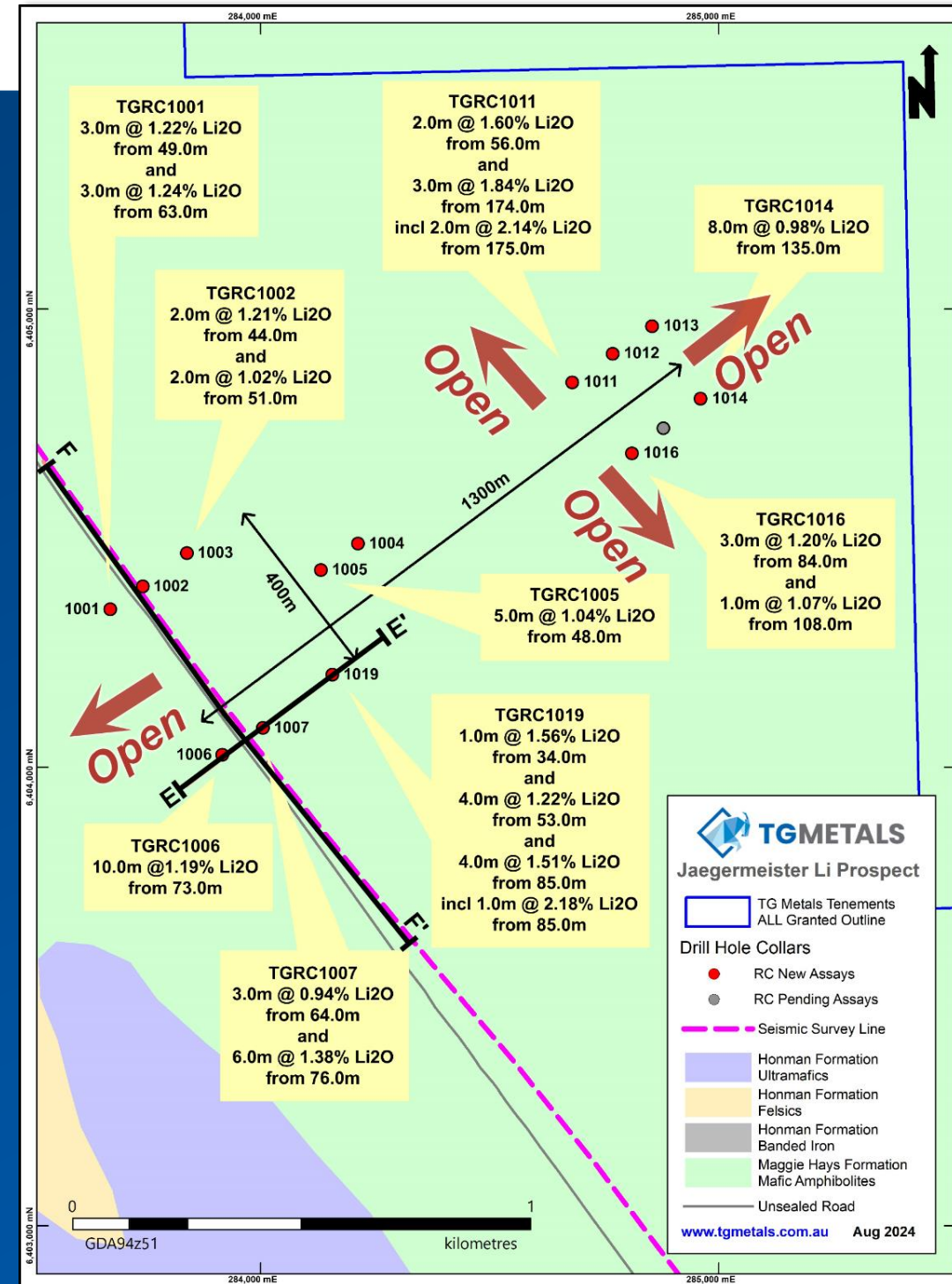
- Flotation testwork nearing completion
- Flotation is suitable for the fine fractions of processing feed
- Improves overall recoveries
- First stage in selecting a preferred flowsheet
- Targeting open pit amenable process feed and hybrid flowsheet – towards bottom of the cost curve

**SIMPLE MET + O/P MINING =
LOW COST**



JAEGERMEISTER PROSPECT

- First drilling discovers new high grade pegmatites
- Thickening to the west, 10m @ 1.19% Li₂O* on westernmost hole drilled so far
- Initial indications that Jaegermeister potentially as big or larger than Burmeister
- Seismic results show Jaegermeister pegmatite structures remarkably consistent and continuous at depth



JAEGERMEISTER ADDS SIZE TO THE LAKE JOHNSTON LITHIUM PROJECT

EMERGING PROSPECTS

■ TAY PROSPECT

Historical drilling interrogated for pegmatite occurrences

- Underexplored for lithium, historical gold and base metals focus
- Approvals process underway for drilling

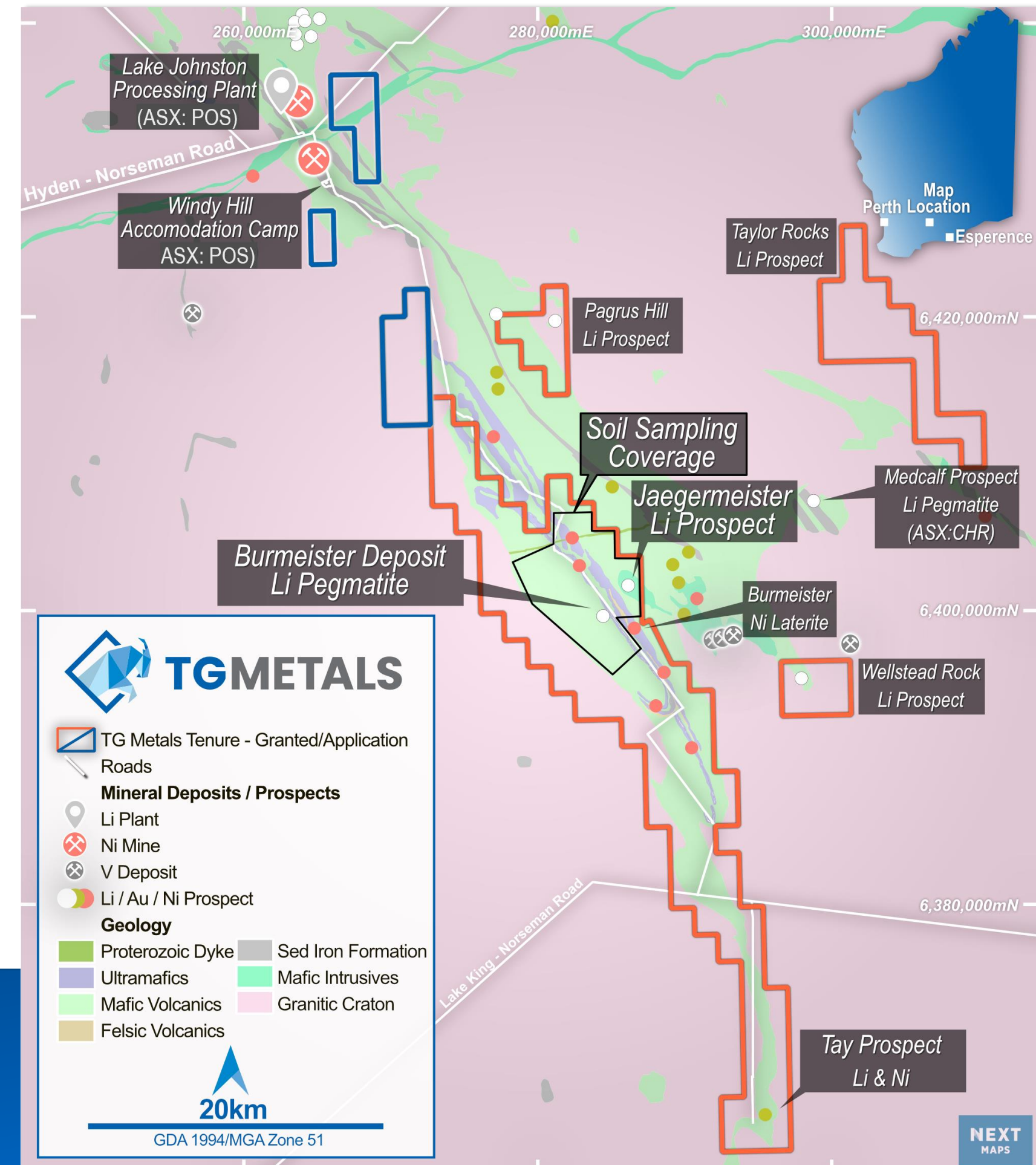
■ TAYLOR ROCKS

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 50KMS OF PROSPECTIVE GREENSTONE BELT



ONGOING EXPLORATION DELIVERING RESULTS



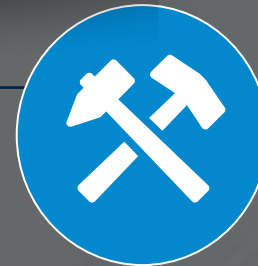
KEY INVESTMENT DRIVERS

IDENTIFY



- Evaluating lithium mineralisation early
- Construct geology and mineralisation models and Exploration Target
- Conceptual pit shells early on – based on industry operating assumptions
- Metallurgical testwork completed early

DISCOVER



- **Burmeister & Jaegermeister discoveries** proves the exploration methodology
- Drilling continues to expand, further increasing the scale of the Project
- These results pave the way for more discoveries across the extensive Lake Johnstone Project area, with funding in place to meet our goals

EXPLORATION SCIENCE



- Soil sampling an effective tool at Lake Johnston
- Prioritising targets for drilling – a methodical approach that works!!
- Seismic trials over Burmeister and Jaegermeister, **shows continuous pegmatite structures**

DRILLING



- Further down-dip drilling at Jaegermeister approved
- Infill drilling on Burmeister deposit – progression to first resource
- Pegmatite consistency allows wide spaced drilling – effective low discovery costs

GROWTH



- Improve data and knowledge of Burmeister deposit whilst testing further targets for more LCT Pegmatite occurrences.
- **Emerging Lithium Province – TG Metals holds prime ground as a large system begins to take shape!**

EXPERIENCE



TG6 boasts extensive collective experience spanning over 60 years. Comprised of four geologists with diverse yet complementary skill sets, alongside a robust board, they lay the groundwork for discovery and development.



TGMETALS

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THANK YOU

FOR MORE INFORMATION

David Selfe – CEO

Email: dselfe@tgmets.com.au

Evy Litopoulos – Investor Relations

ResolveIR

Email: evy@resolveir.com

