LAKE JOHNSTON PROJECT

HIGH GRADE LITHIUM DEPOSIT

LITHIUM | NICKEL | GOLD

RIU GOLD COAST RESOURCES SHOWCASE JUNE 2024

ASX:TG6 | tgmetals.com.au

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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.

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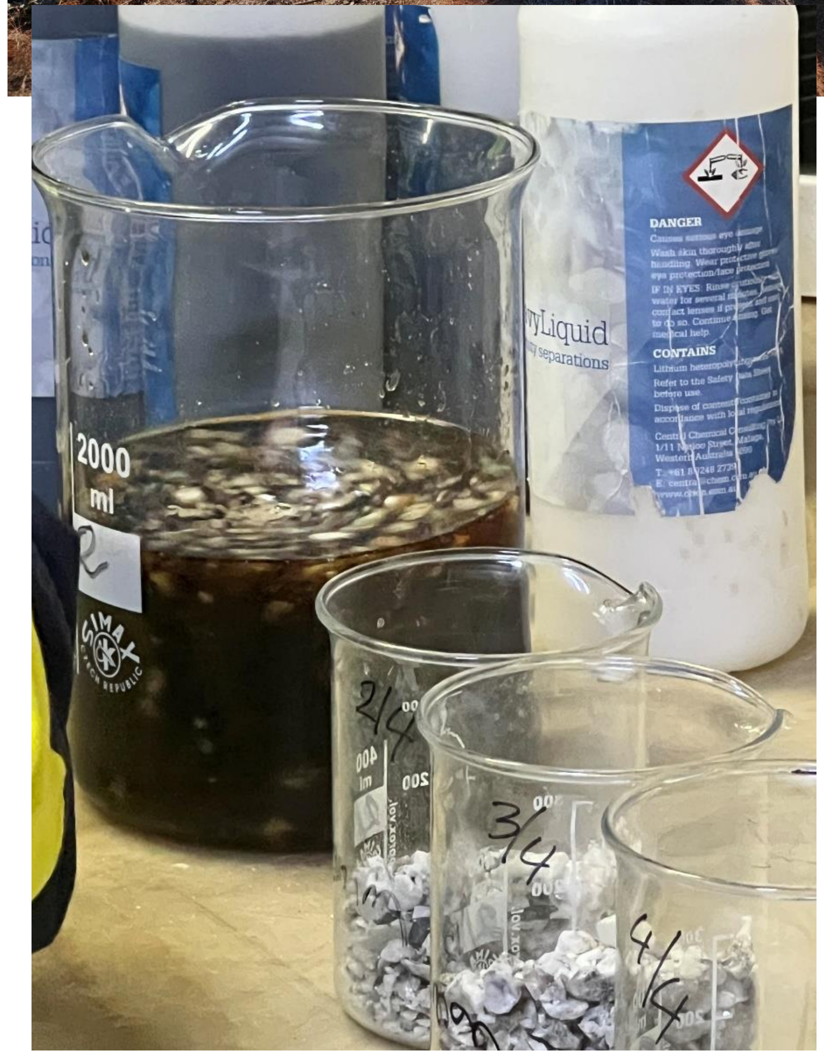
This presentation contains references to visual results and visual estimates of mineralisation. The Company draws attention to uncertainty in reporting visual results. Visual estimates of mineral abundance should never be considered a proxy for laboratory analyses where concentrations or grades are the 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

- Recent discovery - Burmeister Lithium deposit progressing to maiden resource
- Maiden drilling of 5 high priority Li targets at Jaegermeister underway
- Results of new Seismic program expected to show the potential of the pegmatite field
- First metallurgical tests underway, processing methodology and product definition

MAKING DISCOVERIES



Corporate Overview

CAPITAL STRUCTURE

Current shares on issue	71.1M
Cash (as at 31 March 2024)	$9.1M
Market Cap (at $0.21/share)	$14.2M
Unlisted Options*	16.53M
Performance Rights**	5.1M
Enterprise Value	$5.1M

* 7.81m 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	55.43%
Directors & Management	5.40%

DIRECTORS & MANAGEMENT

Mr Richard Bevan - Non Executive Chairman

Mr Brett Smith - Non Executive Director

Ms Gloria Zhang - Non Executive Director

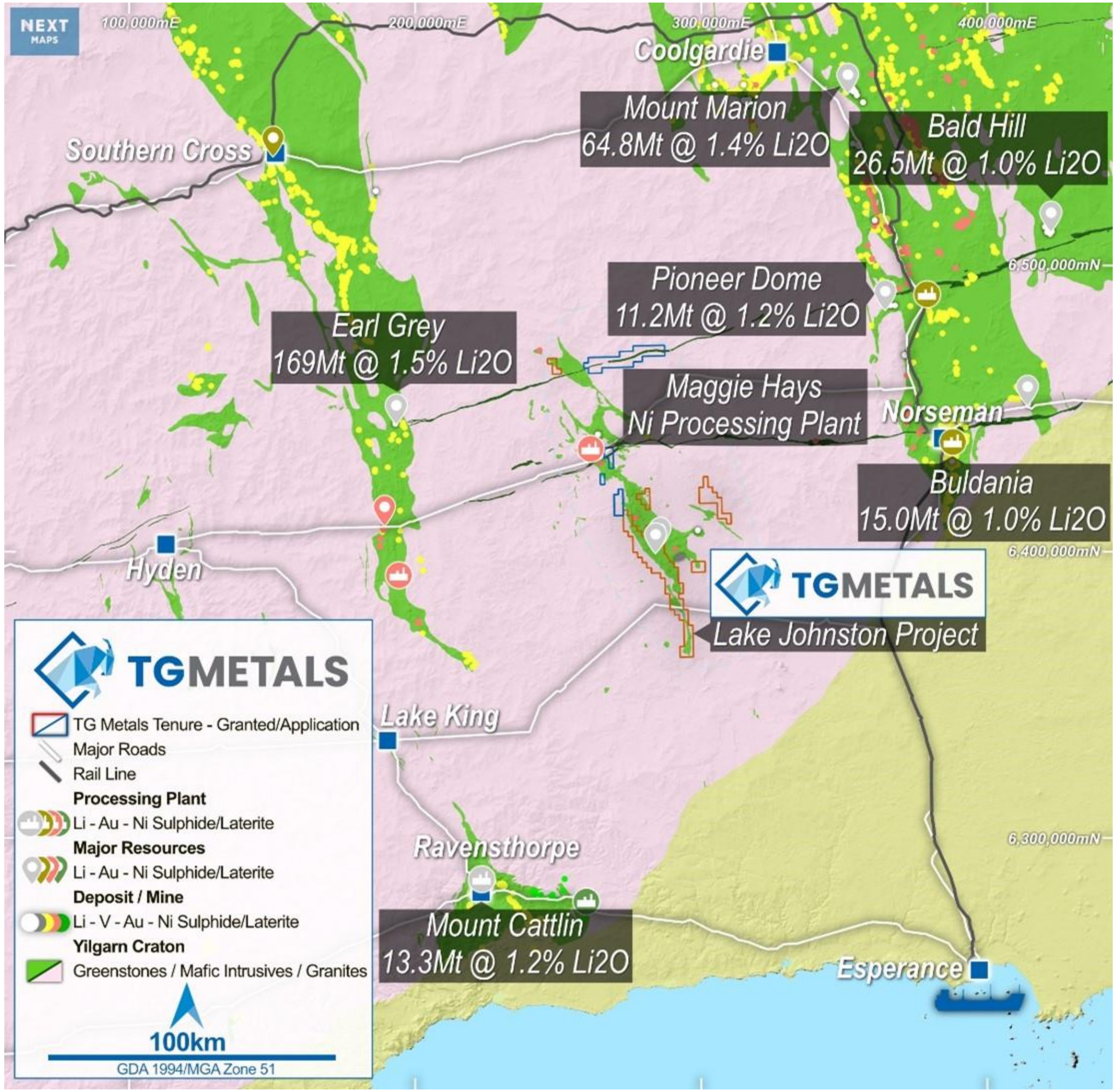
Mr David Selfe - Chief Executive Officer

Ms Nicki Farley - Company Secretary

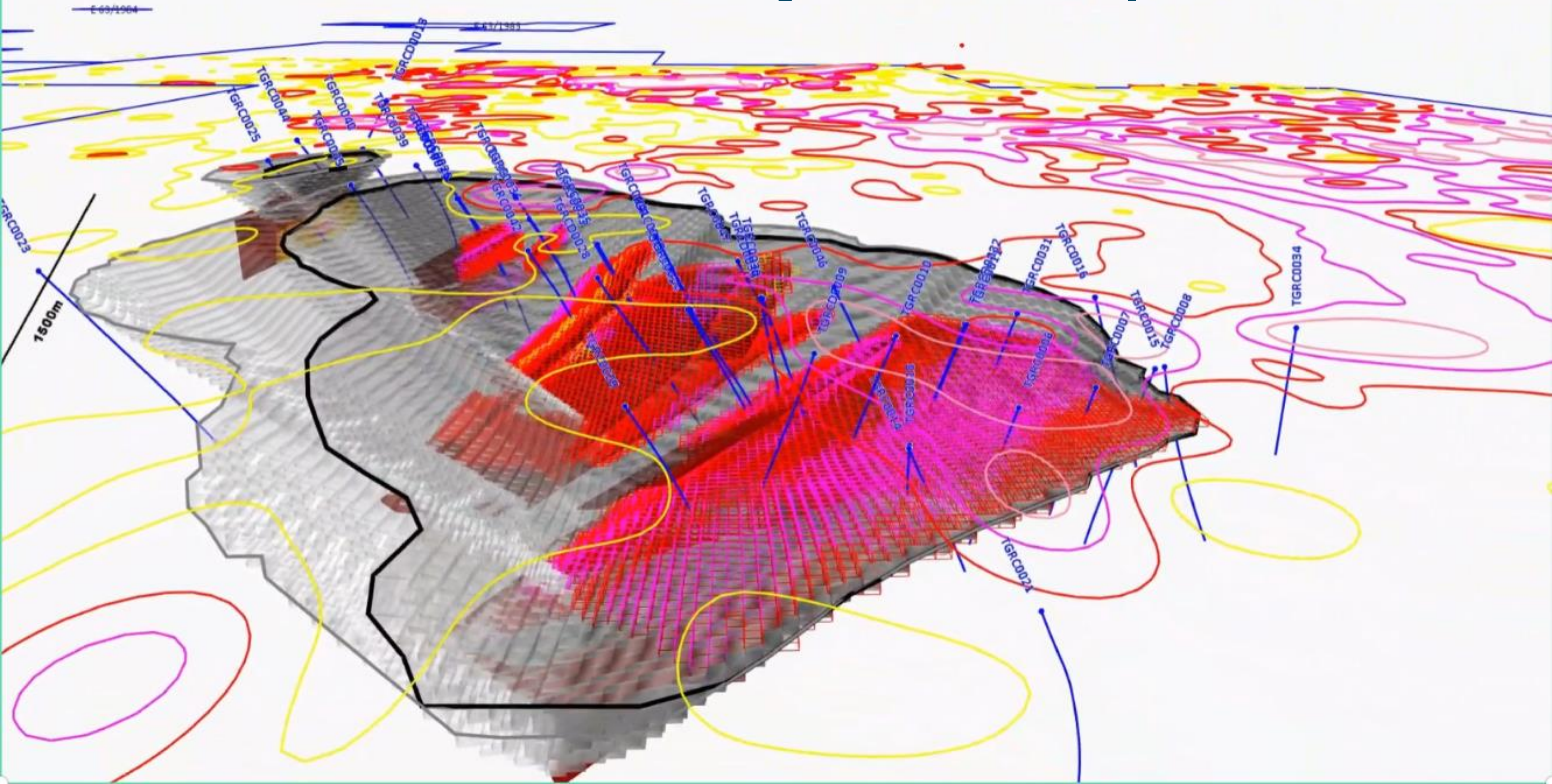
Lake Johnston Region of Western Australia

- 4 operating lithium mines
- Close to Esperance Port
- TG Metals has the dominant land holding over Lake Johnston greenstone belt
- TG Metals Burmeister lithium deposit is largest in the belt, comparable to regional deposits

Proven lithium endowment



Burmeister Lithium Pegmatite Deposit



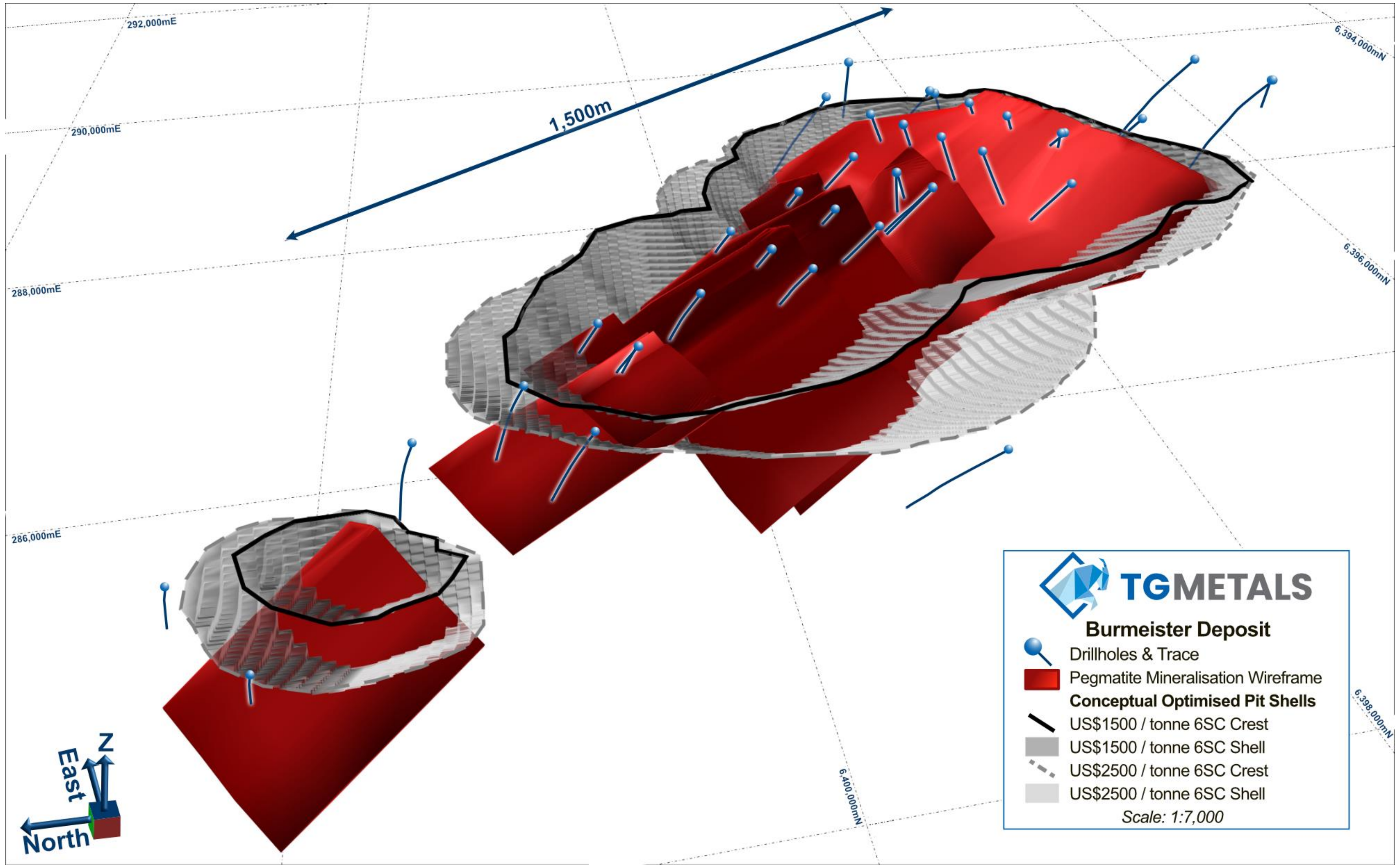
Burmeister Deposit

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

Tonnes Range Low	Tonnes Range High	Li_2O Range Low (%)	Li_2O Range High (%)
15.6 million	20.1 million	0.97	1.19

At 0.4% Li_2O cutoff

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



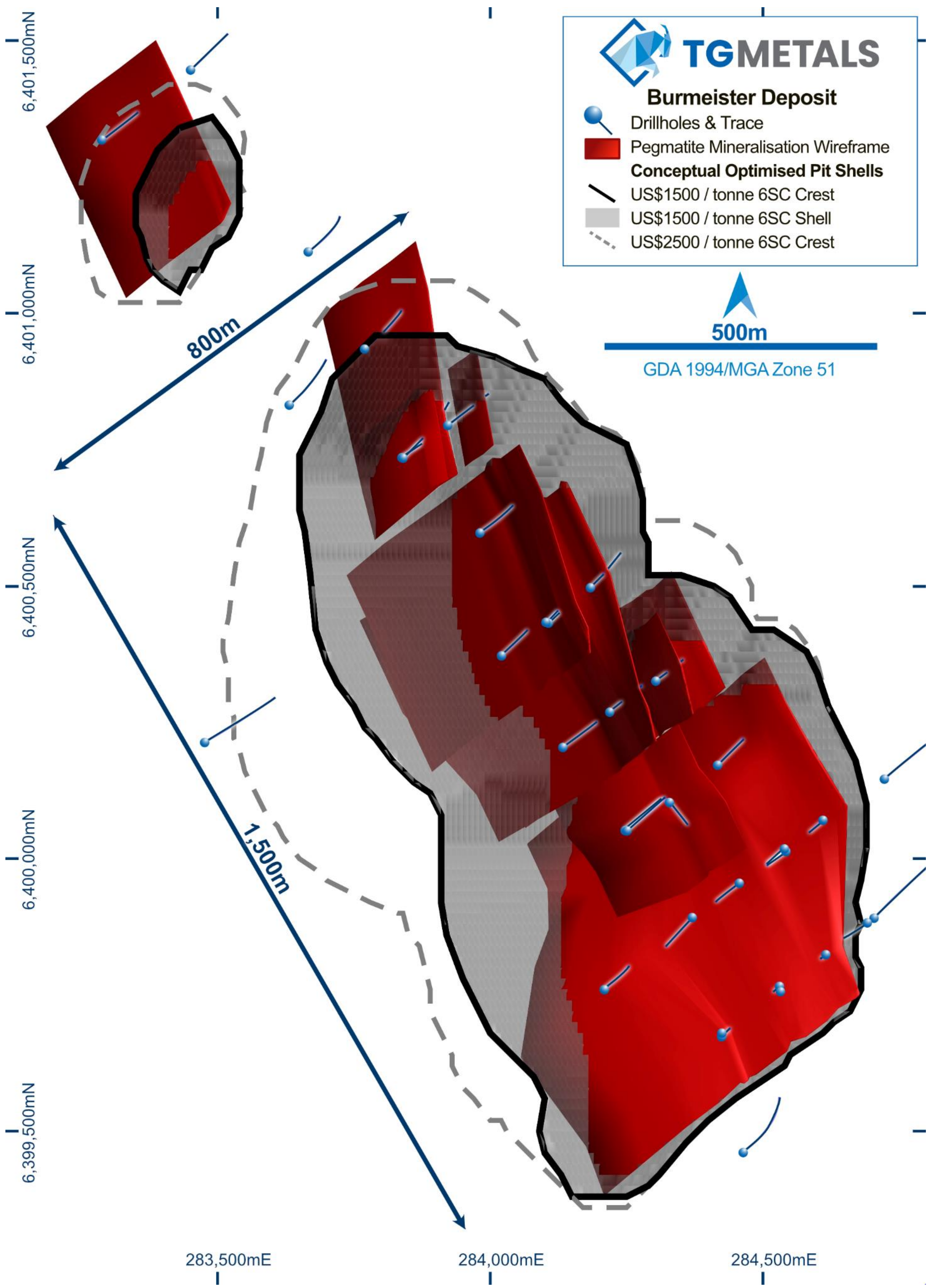
Burmeister - A significant hard rock lithium deposit

* ASX announcement 1 May 2024

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

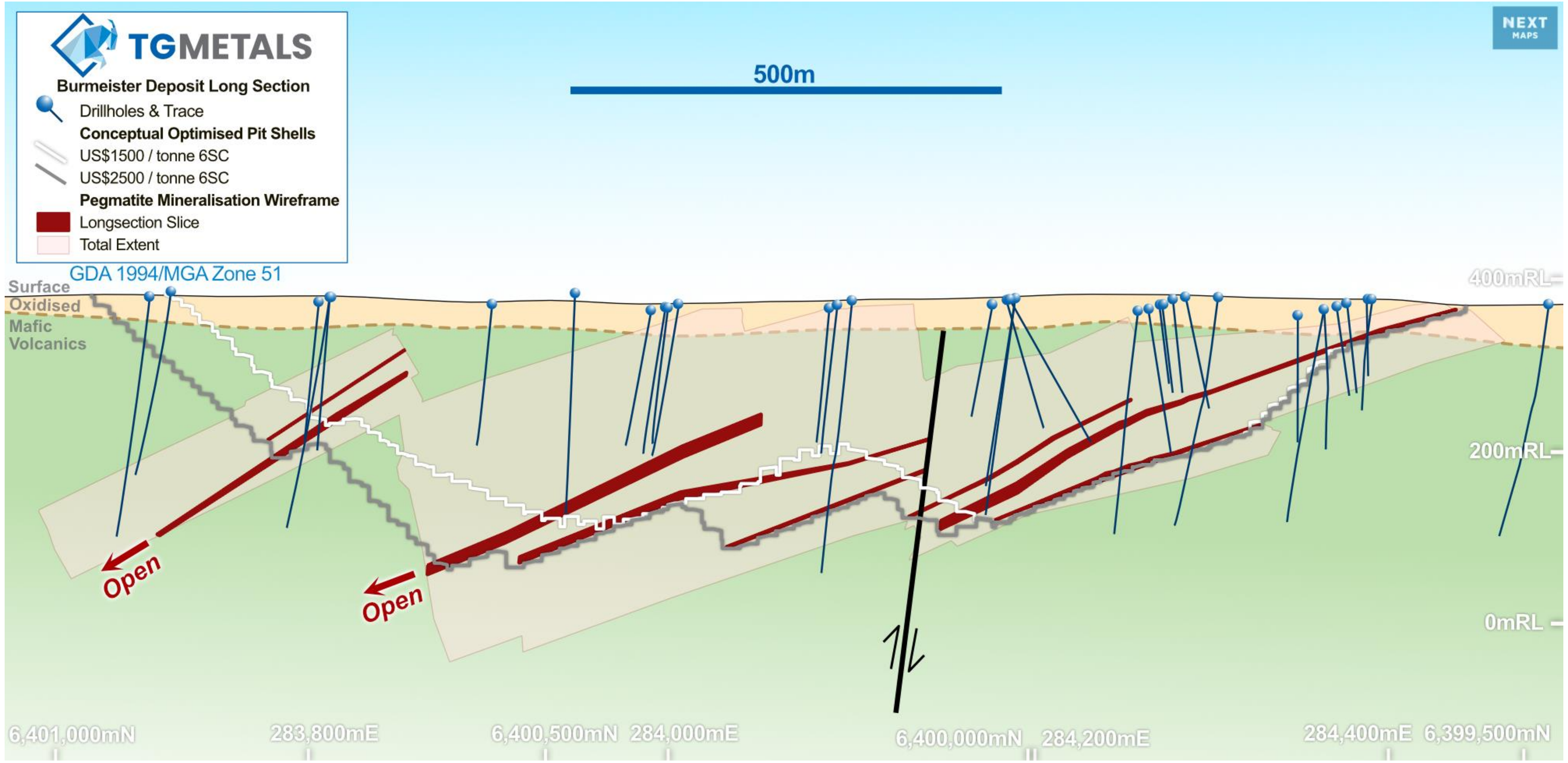
High grades and consistent mineralisation



* TG6 March 2024 Quarterly Report – 23 April 2024

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



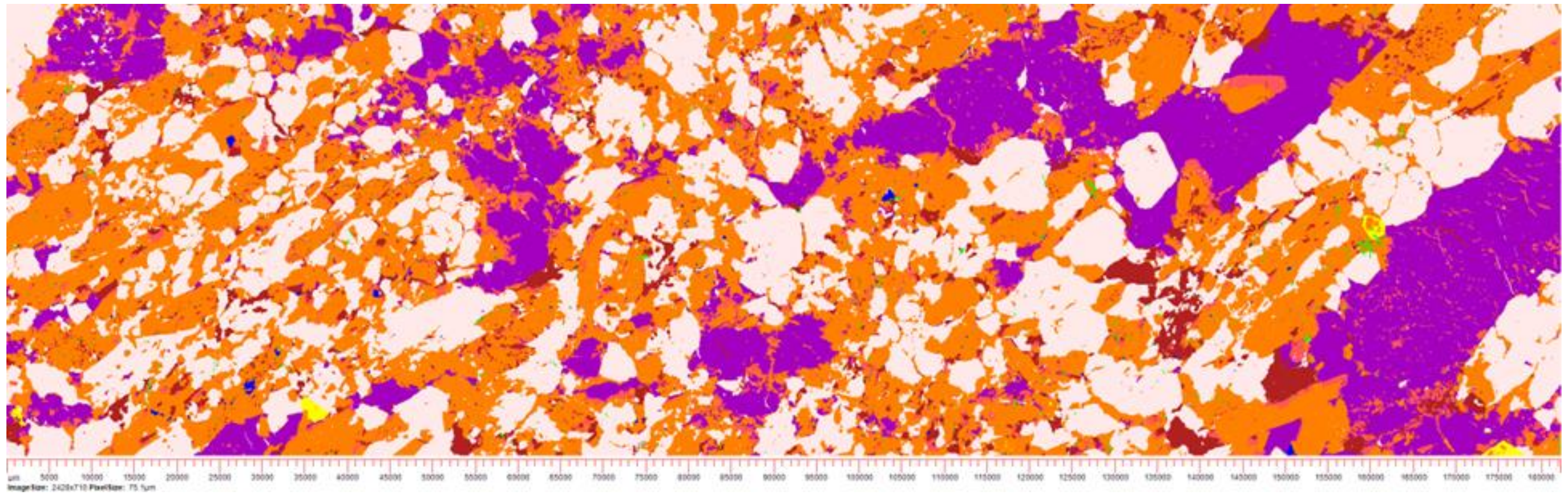
Open down dip, up dip and along strike

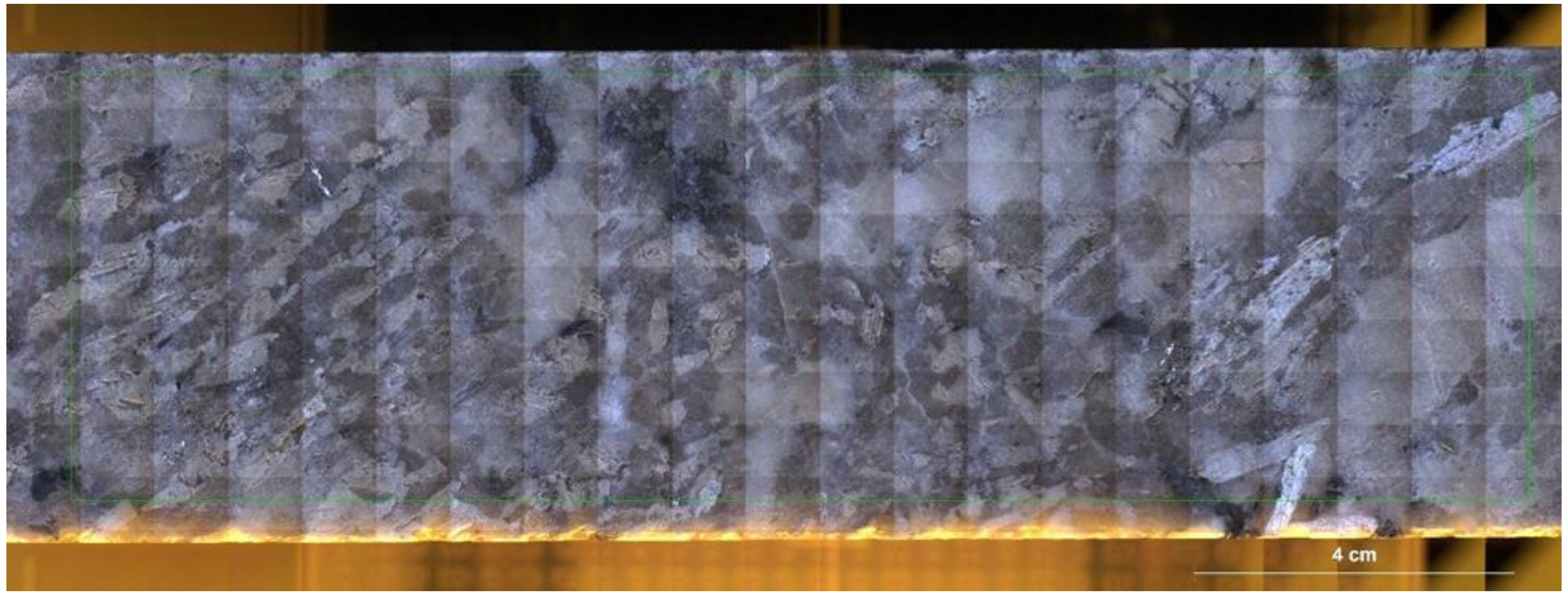
Burmeister Mineralogy

- Spodumene identified as the dominant mineral @ 35.9%
- Simple mineralogy suggests simple, low-cost metallurgy for concentrate production
- Sighter metallurgy tests underway on composite core samples
- Ore sorting, HLS underway, flotation to follow
- First stage in selecting a preferred flowsheet

Simple Mineralogy = Simple Metallurgy

Mineral	Area%	Colour			
Spodumene	35.90		Pollucite	0.16	
Quartz	34.24		Apatite	0.14	
Microcline (Rb-Bearing)	19.23		Zircon	0.02	
Albite	5.17		Spessartine	0.02	
Zinnwaldite	4.83		Tapiolite	<0.01	
Columbite	0.27		Zn-Phase	<0.01	

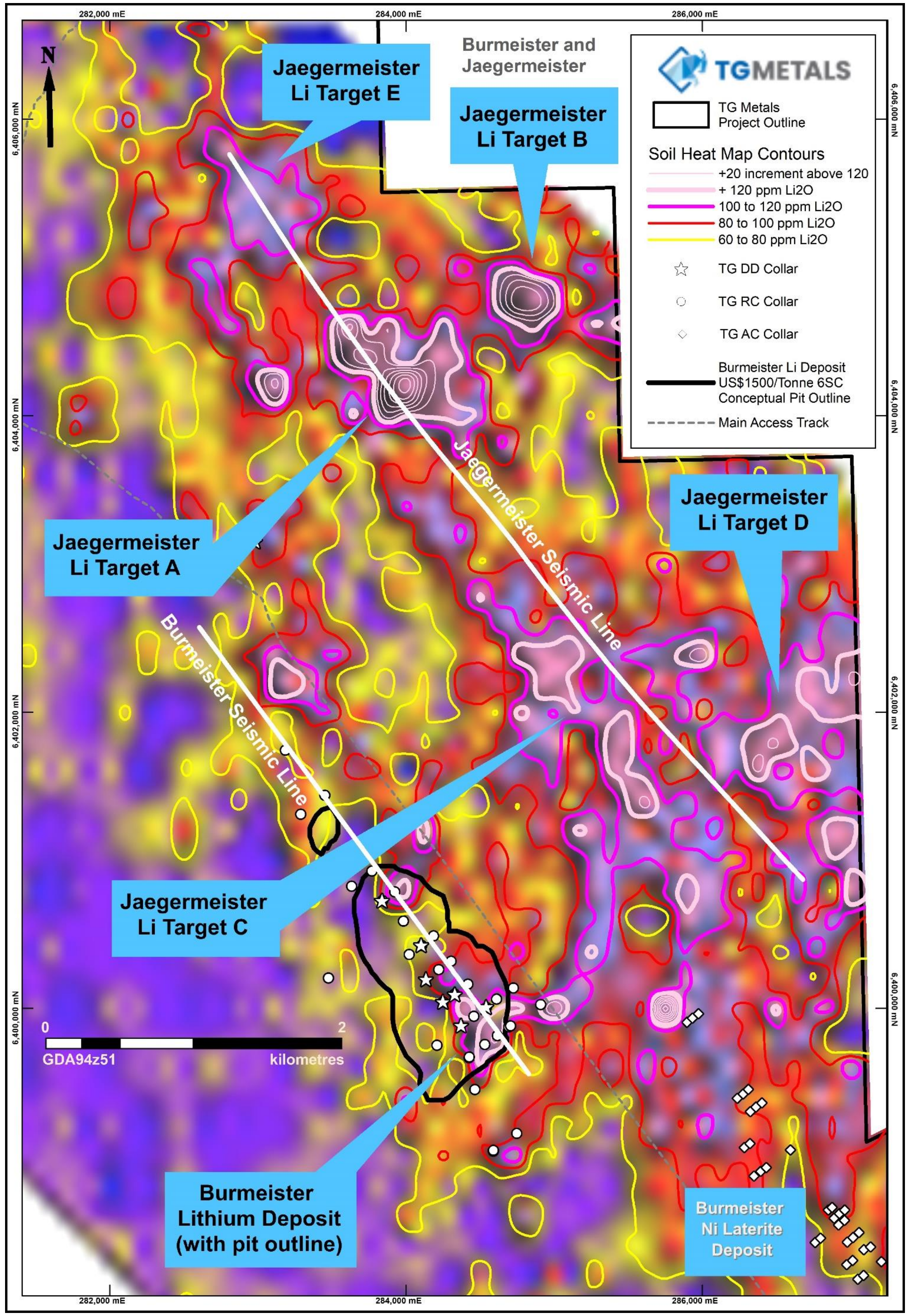




Jaegermeister Prospect

- Burmeister the first of several high tenor lithium soil anomalies to be drilled
- Drilling POW's approved. Drilling commenced with 2 RC rigs
- Jaegermeister has five (5) high priority drill targets
- All five targets are larger than Burmeister
- Seismic field work completed – processing ongoing, results to refine the drilling program
- Targets A and B first drill priority

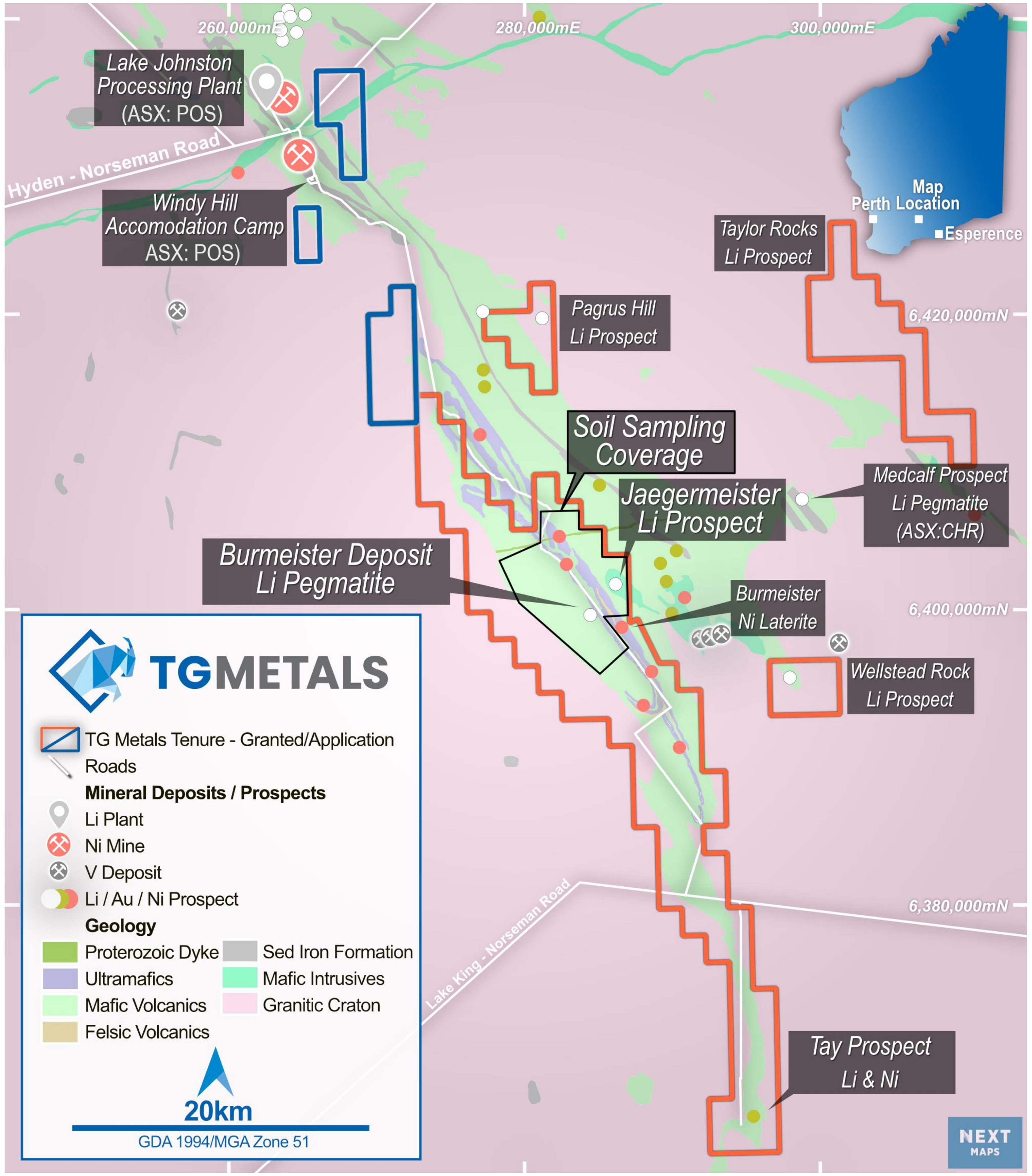
Learnings from Burmeister guides the drilling at Jaegermeister



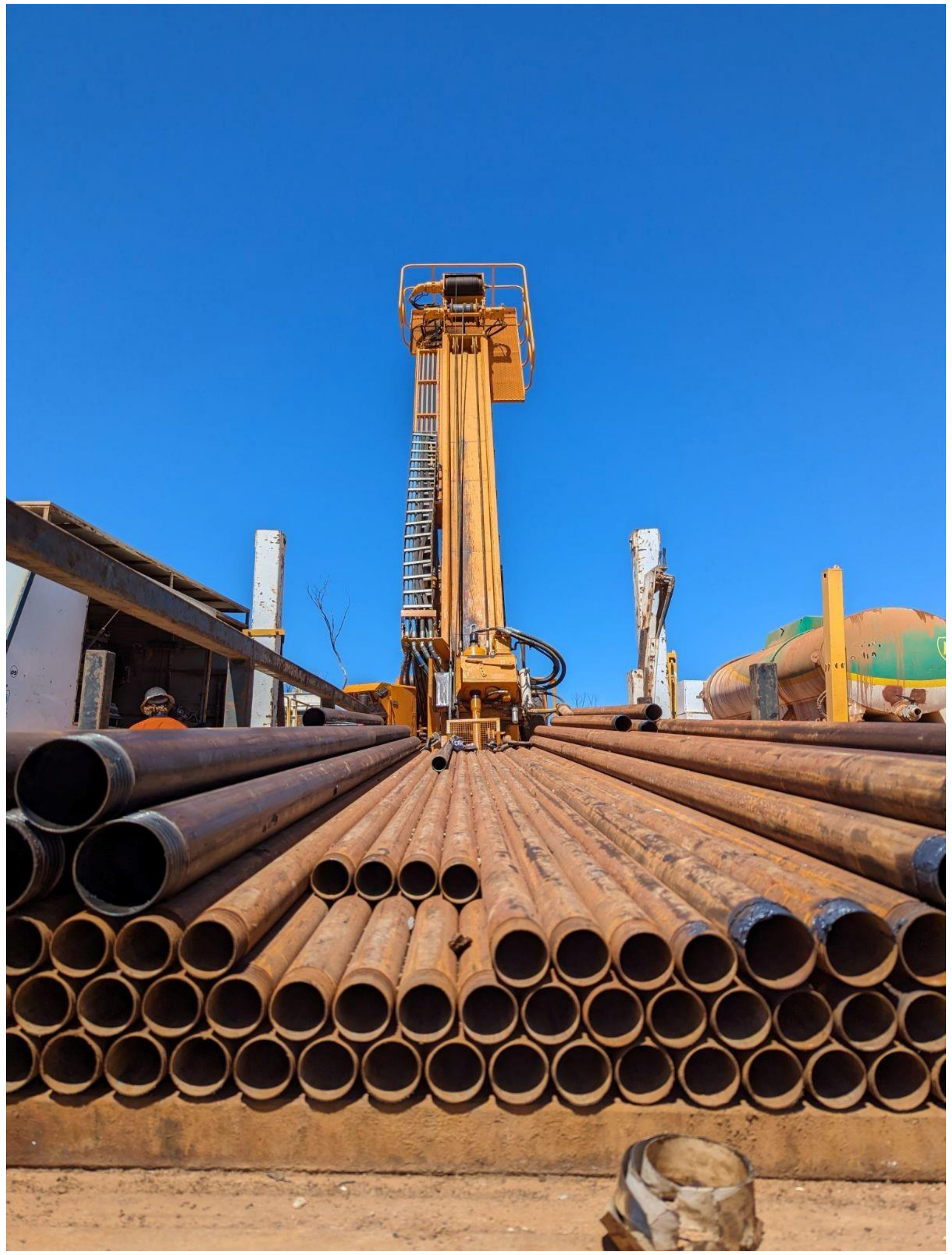
Emerging Prospects

- **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
- Start Metallurgical testwork early

DRILLING

- Maiden drilling program at Jaegermeister underway
- Infill drilling on Burmeister deposit – progression to first resource
- Pegmatite consistency allows wide spaced drilling – effective low discovery costs

DISCOVER

- **Burmeister deposit discovery** proves the exploration methodology
- Potential top 10 Australian stand-alone deposit on first drilling
- Provides the basis for further discoveries in the large Lake Johnston Project area, **well funded to achieve aims**

GROWTH

- Improve data and knowledge of Burmeister deposit whilst testing further targets for more LCT Pegmatite occurrences.
- **Emerging Lithium Province – Large system developing, we have the best ground**

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, interpretation underway to aid with drilling targeting

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.

Thank you

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