



Trident Lithium Project NSW

ASX: SLB

**INVESTOR
PRESENTATION**

September 2023

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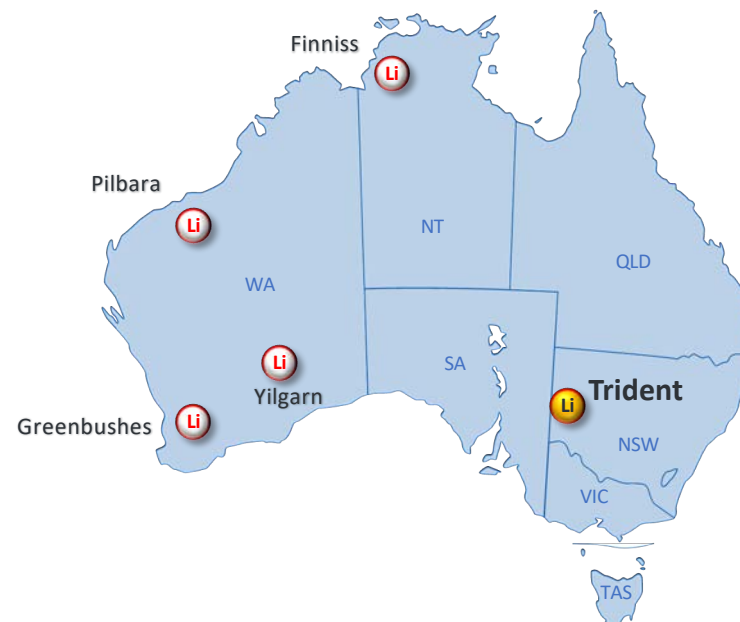
The information in this Presentation that relates to Exploration Results is based on information compiled by Colin Skidmore. Colin Skidmore has sufficient experience, which is relevant to the styles of mineralization and types of deposit under consideration, and to the activities, which he is undertaking. Colin Skidmore is a Member of the Australian Institute for Geoscientists and is a "Competent Person" as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Colin Skidmore consents to the inclusion of information in this presentation that relates to Exploration Results in the form and context in which it appears.

JORC – Exploration Targets

It is common practice for a company to comment on and discuss its exploration in terms of target size and type. The information in this Presentation relating to exploration targets should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. Hence the terms Resource(s) or Reserve(s) have not been used in this context. The potential quantity and grade is conceptual in nature, since there has been insufficient work completed to define them beyond exploration targets and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

WHY INVEST IN STELAR

- New large-scale Trident Lithium Project near world-class Broken Hill Mine and infrastructure in NSW
- Stelar leveraging hard-rock lithium expertise and success to expand into exciting new NSW lithium pegmatite field
- Fully funded for its work programme offering significant leverage to exploration success
- SLB's Market Cap of ~\$17M offers huge potential upside (refer following slide)
- Investment opportunity to get in on the ground floor of the next potential lithium discovery



“Stelar Metals CEO, Colin Skidmore and myself worked successfully together at Core Lithium to identify and establish the Finnis Lithium Project, which has recently become the first operating lithium mine in the NT. We are excited about this new project opportunity as we aim to repeat similar success for Stelar shareholders and stakeholders in NSW”

Stephen Biggins, Chairman
ASX Announcement (16 Feb 2023)

Trident Lithium Project

New South Wales



“Lithium minerals were discovered at the Trident Project in 1919 and it became was one of the first significant lithium mines in Australia along with Finniss and Wodgina between 1940’s and 1960’s. Since then, the 1960’s Trident activities were essentially forgotten which now provides a great opportunity for Stelar Metals”

Colin Skidmore, CEO

CORPORATE SNAPSHOT

BOARD & MANAGEMENT



Stephen Biggins

Non-Executive Chairman

- BSc Hons (Geology), MBA.
- 25 years' local and international exploration and discovery experience as a geologist and executive
- **Founder and ex Managing Director of Core Lithium (ASX: CXO), Chairman of Winsome Resources (ASX: WRI)**



Colin Skidmore

Chief Executive Officer

- BSc Hons, MAppSc.
- 25 years' experience as an exploration geologist and project manager
- **Supported identification and acquisition of the Finnis Lithium project with Stephen at CXO**



Geoffrey Webster

Independent Non-Executive Director



Will Dix

Independent Non-Executive Director



Nick Harding

Company Secretary

CAPITAL STRUCTURE

Share Price – 31 August 2023

A\$0.32 per share

Shares on Issue – 31 August 2023

51.6M

Escrowed Shares

11.2M (3 Months)

Ticker

ASX: SLB

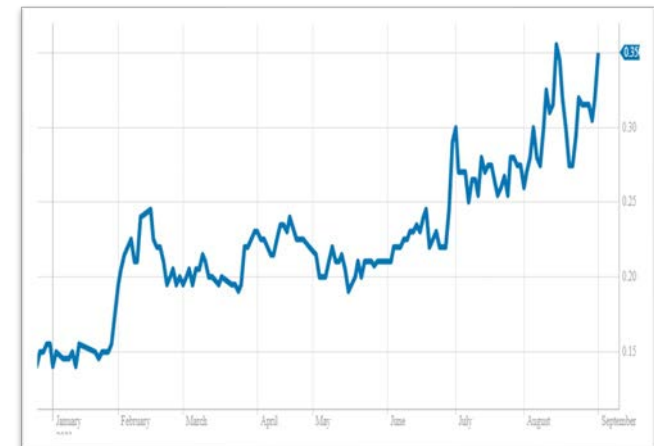
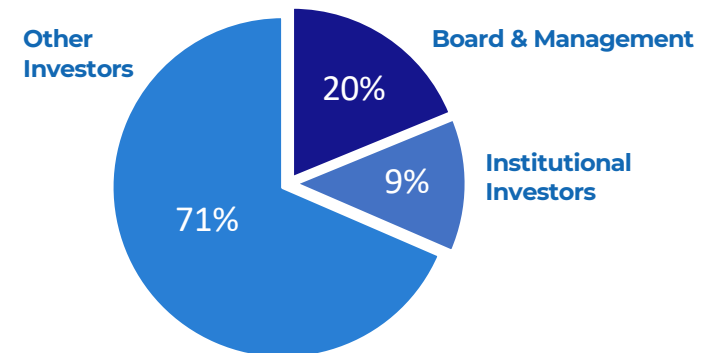
Undiluted Market Cap – 31 August 2023

~\$16.5M

Cash – 31 August 2023

\$3.1M

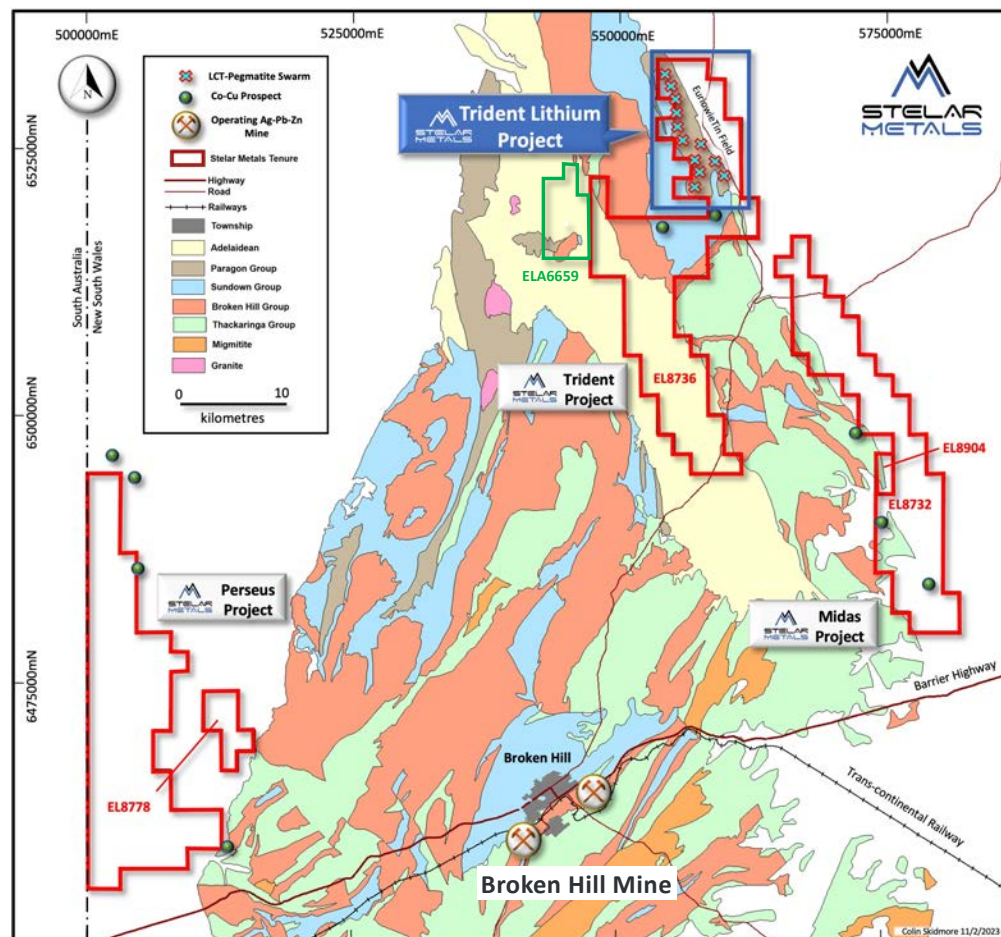
SHAREHOLDING STRUCTURE



TRIDENT LITHIUM PROJECT

- **Historic lithium and tin mining area with known LCT-Type Pegmatites that are highly anomalous in Li-Ce-Ta-Sn-Rb**
- SLB acquired 90% of 4 granted exploration licenses (719km²) near Broken Hill NSW for \$1m
- Trident Lithium Project extends over 20km of Strike, with individual pegmatites over 1km in length and up to >100m wide
- Spodumene and lithium potential at depth has NEVER been tested by drilling
- Located near world-class mine infrastructure at Broken Hill NSW on Crown Pastoral Land

Stelar has a strong position in a major NSW Pegmatite Province



Location of Stelar's tenements and the Trident Lithium Project near Broken Hill in NSW on simplified geology

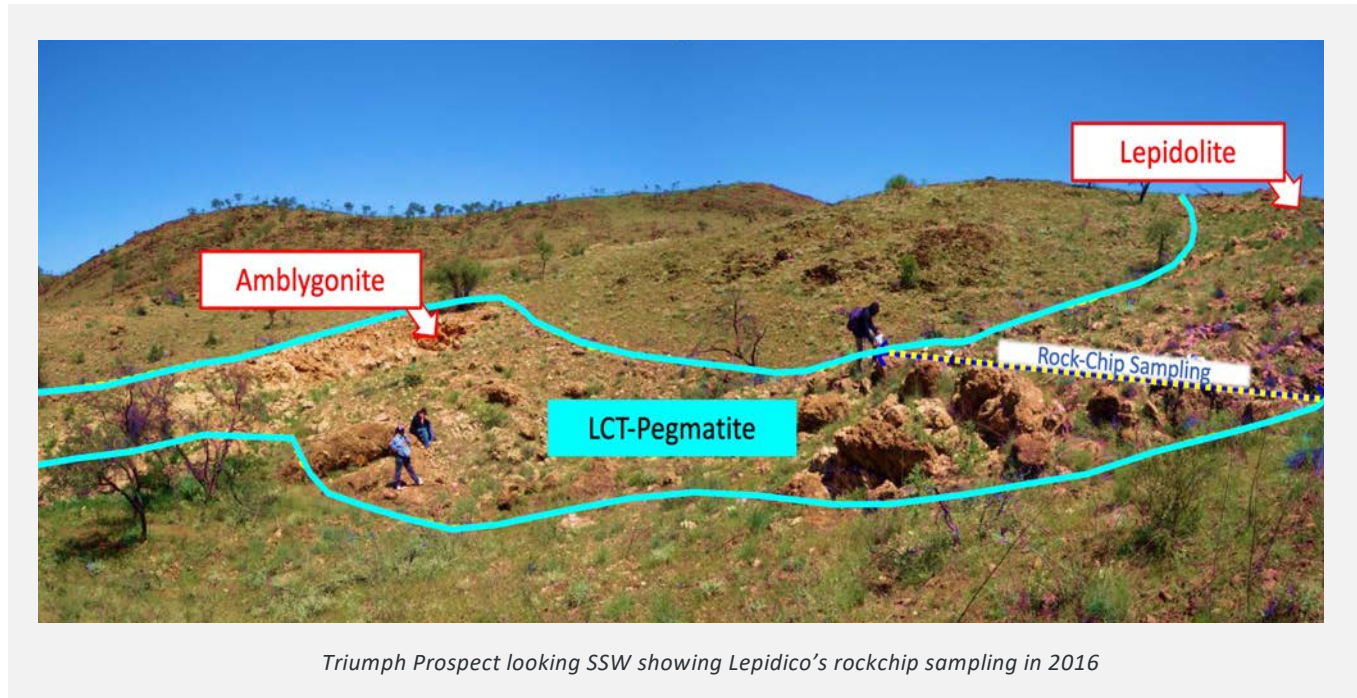
TRIDENT LITHIUM PROJECT: HISTORIC WORK

1884: Euriowie Lithium-Tin Field was discovered.

1956: Small-scale mining of hard-rock lithium (Amblygonite) at Trident.

2007-2015: Carpenteria's focus was tin but identified multiple pegmatites with anomalous Li-Cs-Ta-Sn-Rb.

2016-2017: Lepidico were first to focus on lithium but only did orientation work that identified lithium mineralisation at surface and broad Li-Cs-Ta-Sn soil anomalies



TRIDENT PROJECT: LITHIUM MINERALISATION

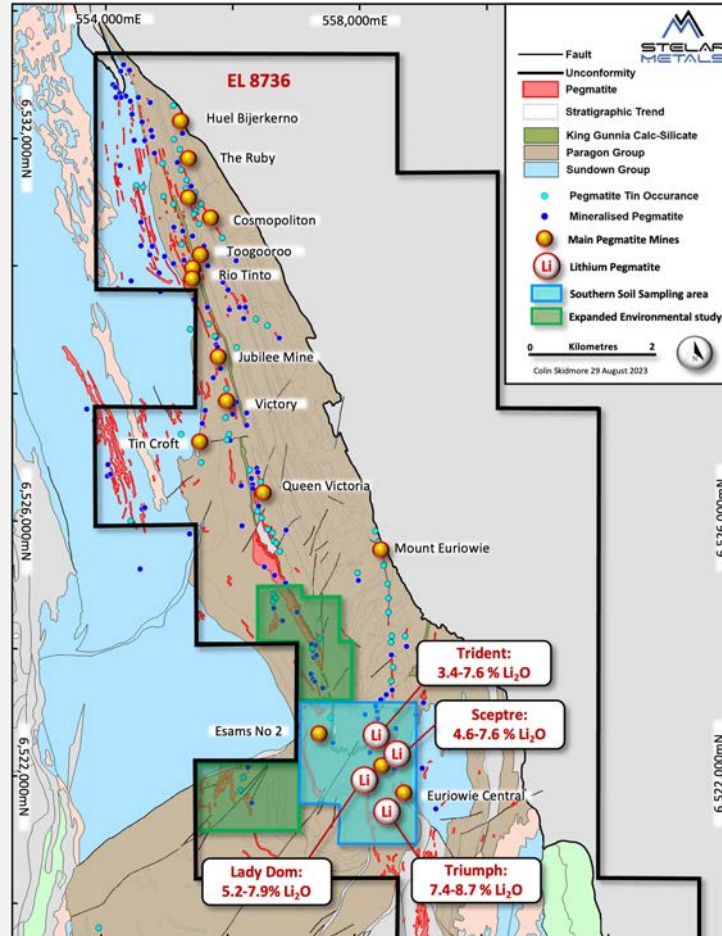
Rock-chip Sampling

Triumph 7.4 - 8.7% Li_2O

Lady Don 5.2 - 7.9% Li_2O

Trident 3.4 - 7.6% Li_2O

Sceptre 4.6 - 7.6% Li_2O



Trident Lithium Project showing distribution of pegmatites and known mineral occurrences

- More than 250 known mineral occurrences over 20 kilometres of pegmatite strike.
- Stelar's rock-chip sampling confirmed high-grade lithium assays from multiple pegmatites
- Most hard-rock lithium mines globally also have amblygonite and lepidolite on surface with spodumene zoning discovered at depth once drilled

POSITIVE COMPARISON TO GREENBUSHES AND FINNISS

Characteristics	Greenbushes-WA (Talison JV)	Finniss-NT (Core Lithium)	Trident-NSW (Stellar Metals)
Tin production started in the 1800's	✓	✓	✓
Pegmatites are deformed with low-moderate grade metamorphism	✓	✓	✓
Economic-scale, highly-fractionated, zoned, LCT-type Pegmatites	✓	✓	✓
Amblygonite and lepidolite lithium minerals	✓	✓	✓
Spodumene discovered by drilling below oxidised zone	✓	✓	Inaugural Drilling in 2023-Q4
Economic lithium discovered after ~100 years of mining	✓	✓	
Lithium Production	Since 1985	2022	

EXPLORATION TIMETABLE

2023 – Q3

Mapping & Sampling

- ✓ Systematic mapping and surface sampling over known high-lithium LCT Pegmatites



Geophysics

- ✓ Acquisition and processing of geophysics to aid mapping of pegmatite at depth



Drilling Approval

- ✓ Application for drilling approvals with NSW regulators



2023 – Q4

Drilling Program

- ✓ Initial shallow drilling program to map orientation and morphology of the pegmatites at depth and to assess spodumene potential

On schedule

Review

- ✓ Extensive review of all technical data to fully inform next program of work around key target areas within the tenement

In progress

Ongoing work

Follow up programs

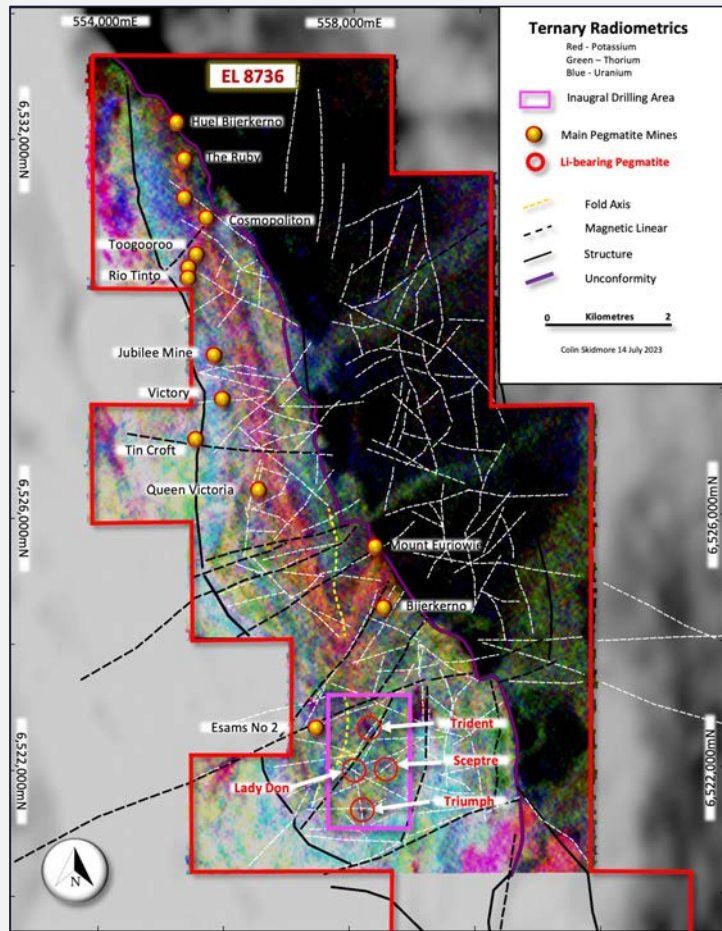
- ✓ Follow up deeper RC and diamond drilling programs to quantify lithium grade distribution, mineralogy and metallurgy
- ✓ Systematic exploration of other prospective pegmatites along 20km of strike in the Euriowie Pegmatite Field

In progress

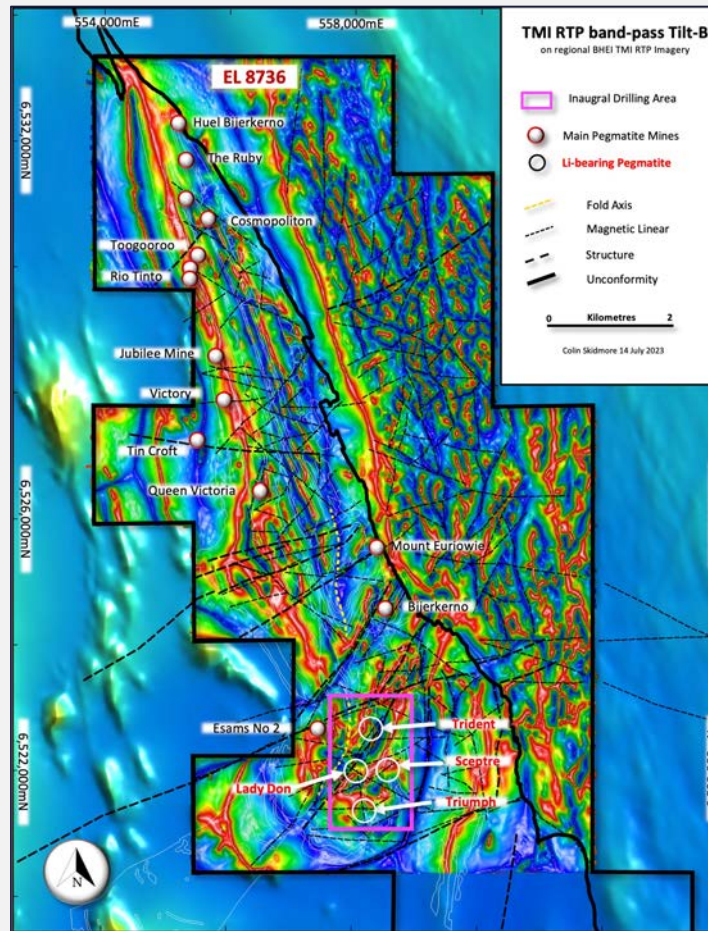
- ✓ Expand Lithium Assets

In progress

NEW HIGH-RESOLUTION GEOPHYSICS



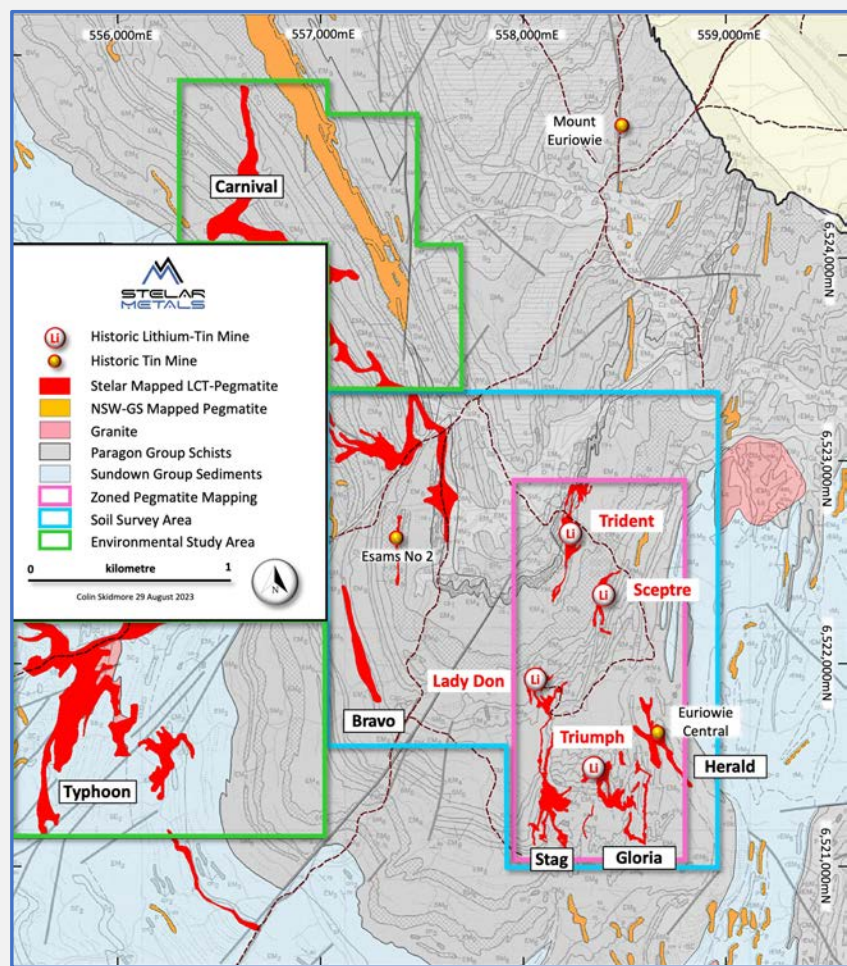
256-channel Radiometrics



High-resolution Magnetics

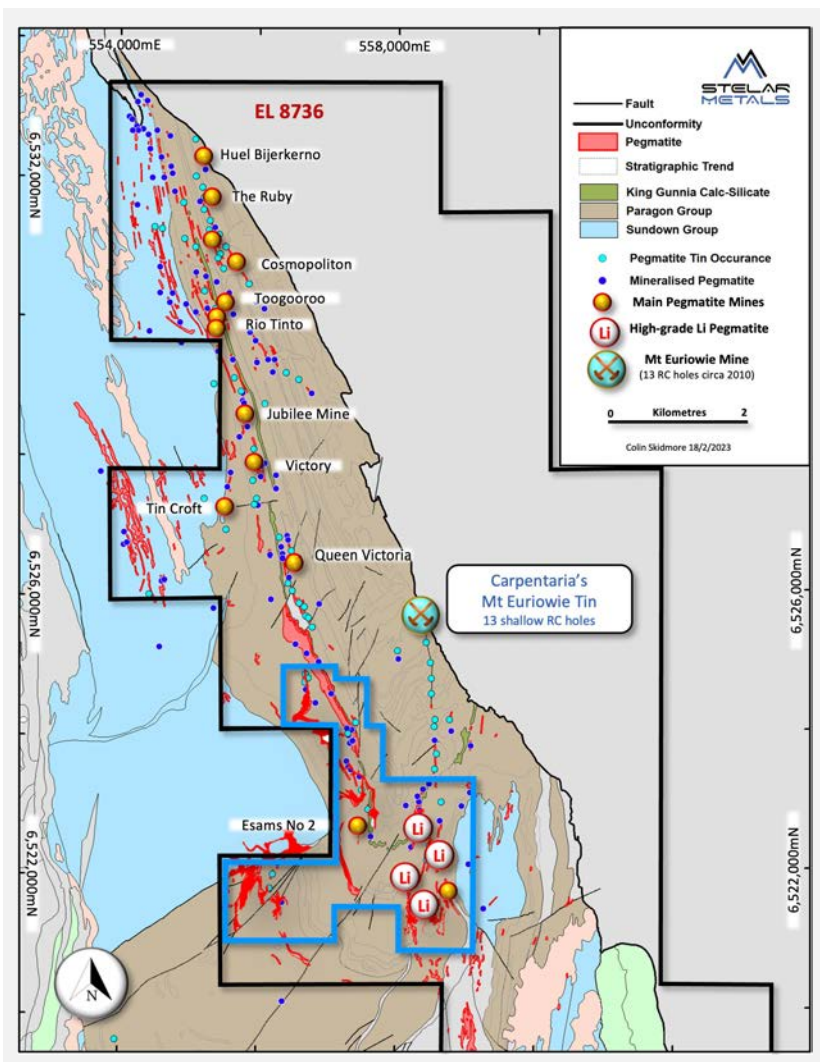
- Collaboration with SensOre to test new exploration techniques under \$130M NSW Incentive funding
- 2,160 line km flown on 40m spaced lines at 40m terrain clearance
- SensOre use AI Machine Learning to identify Cesium isotopes and remotely map LCT pegmatites
- Advanced processing by Dave McInnes to generate high-level derivatives to interpret structural framework for mapping pegmatites

ECONOMIC-SCALE ZONED LITHIUM PEGMATITES

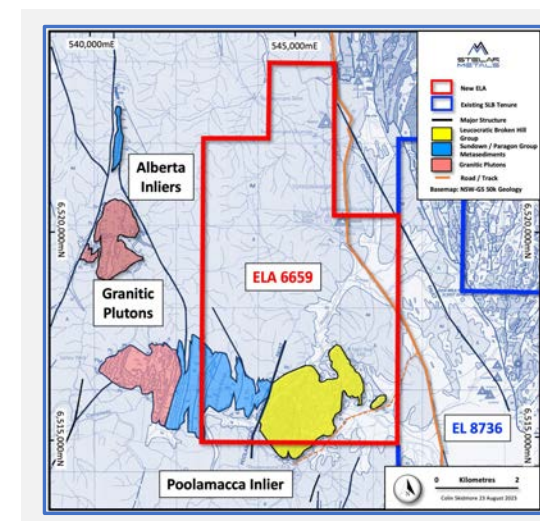


- Economic scale pegmatites mapped with high surface lithium assays
- Classic zoned LCT-Pegmatites with lithium mineralised-feldspar zones adjacent to barren quartz cores
- Pegmatites hosted by sub-vertical schists that are thickened by folding, pinching and swelling
- Stellar's mapping has found large-scale zoned pegmatites south of *Triumph* (*Stag*, *Gloria* and *Herald*)

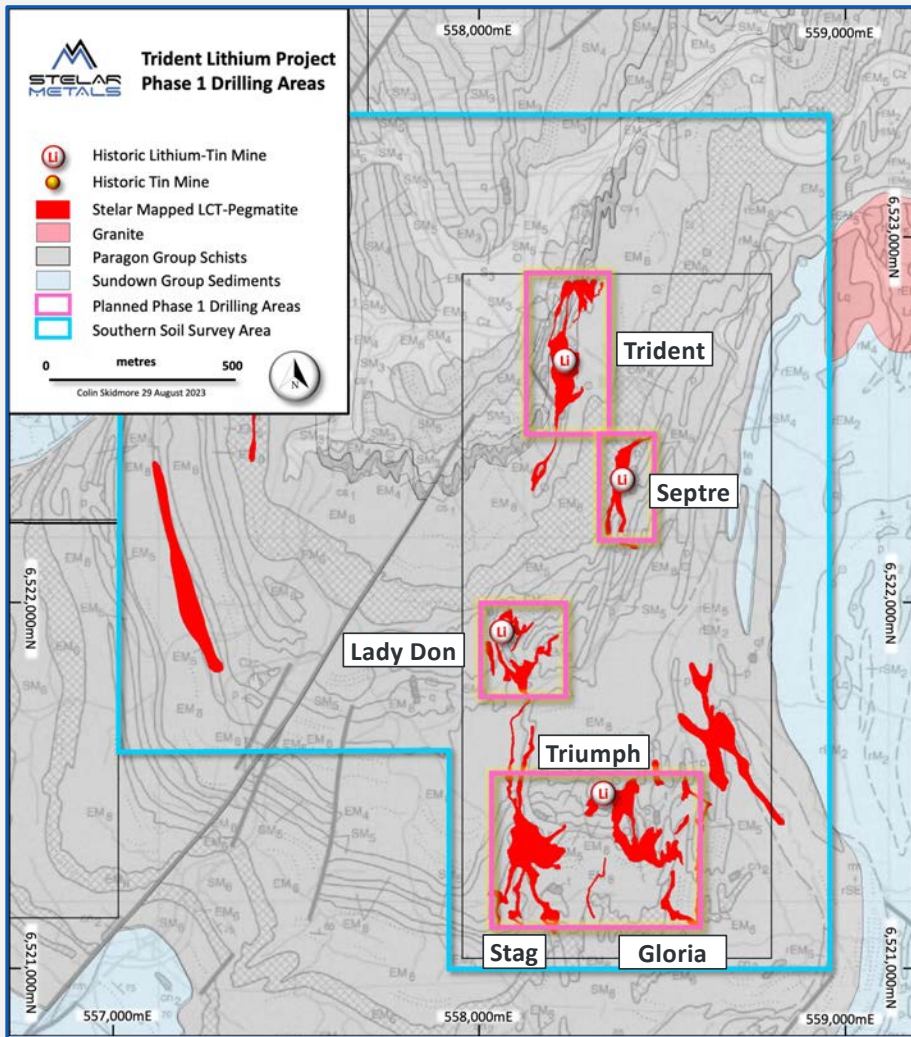
LITHIUM EXPLORATION POTENTIAL



- Recent reconnaissance mapping has identified multiple large new zoned LCT-pegmatites such as *Typhoon* and *Carnival* that extend for up to 3km and 100's metres in width
- Only <20% of the Euriowie Tin-Lithium Pegmatite Field has been accessed by Stelar to date
- Stelar has already applied for additional tenure to the west of Trident over similar geology in the prospective Poolamacca Inlier



TRIDENT LITHIUM DRILLING PROGRAM - PHASE 1 – SOUTHERN AREA



- First drill application lodged
- 19 RC holes of ~150m depth (~3,000m)
- Designed to map orientation and morphology of pegmatites and test for spodumene at depth
- Inaugural drilling program to start in 2023
- **Stelar targeting first large scale hard-rock lithium project discovery in NSW**



READY TO DISCOVER HIGHLY PRIZED MINERALS



Stellar Metals is leveraging its expertise and success in hard-rock lithium to repeat success and value growth for shareholders



Well funded exploration program planned for 2023 with \$3.1M cash in bank



Stellar Metals leveraging hard-rock lithium exploration and development expertise



Highly regarded mining jurisdiction and exposure



Favourable market conditions for battery minerals



Experienced exploration and discovery team



CONTACT

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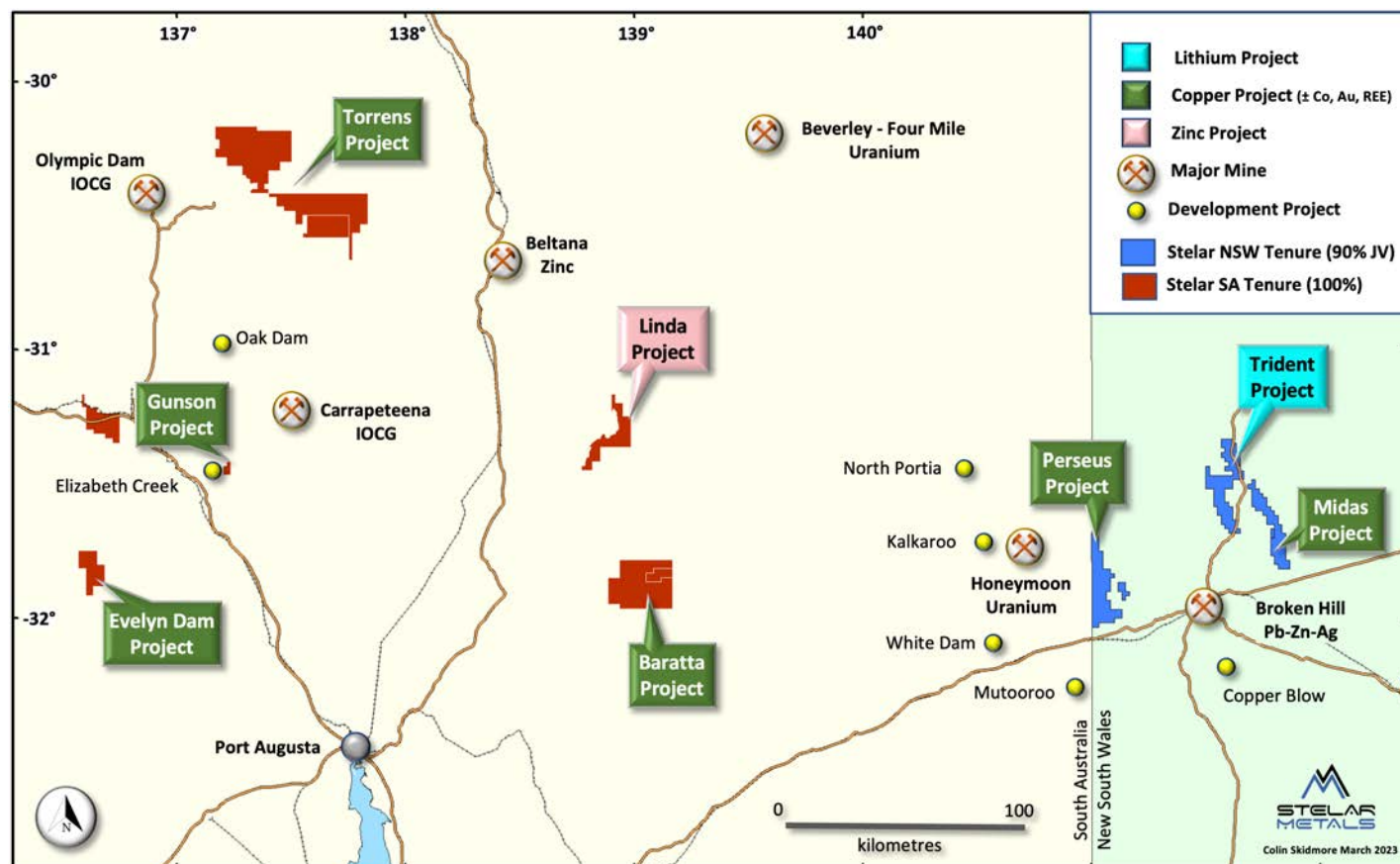
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APPENDIX : PORTFOLIO of Li-Cu-Co-Au-REE PROJECTS



2,755km² of granted exploration licences in SA and NSW

Target Styles:

Copper – Cobalt

Midas, Perseus, Trident

Iron Oxide Copper Gold

Gunson, Perseus, Torrens, Evelyn Dam

Sedimentary Copper

Gunson, Baratta

Carbonate-hosted Zinc

Linda

Rare Earth Elements

Baratta, Trident

Portfolio of Critical Metal Projects in world-class mining provinces