



Trident Lithium Project NSW

ASX:SLB

MiningNews Select Sydney

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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 Metals



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 towards exploration success



Strategic Metals exposure through extensive
Cu-Zn-Co-REE portfolio in SA and NSW



Investment opportunity to get in on the ground
floor of the **next potential lithium discovery**

Stelar's Projects



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“Stelar Metals’ CEO, Colin Skidmore and myself worked successfully together at Core Lithium to identify and establish the Finniss Lithium Project, which became 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

Stelar is led by an experienced Board & Management Team



Stephen Biggins
Non-Executive Chairman

BSc Hons (Geology), MBA.

25 years of 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: WR1).



Colin Skidmore
Chief Executive Officer

BSc Hons (Geology), 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-Exec Director

BEng Hons (Civil), MBA.

Nearly 25 years of experience in the engineering sectors as a Chartered Professional Engineer.

Previous national General Manager for Transpacific Industries Group (now Cleanaway).



Will Dix
Independent Non-Exec Director

BSc, MSc (Geology).

25 years experience as a geologist in base metal, gold and uranium exploration.

Current Managing Director of Trinex Minerals (ASX:TX3) and has previously served as director at multiple companies.



Nick Harding
Company Secretary

Nick is a qualified accountant, company secretary and finance professional with over 30 years of experience in the resources industry



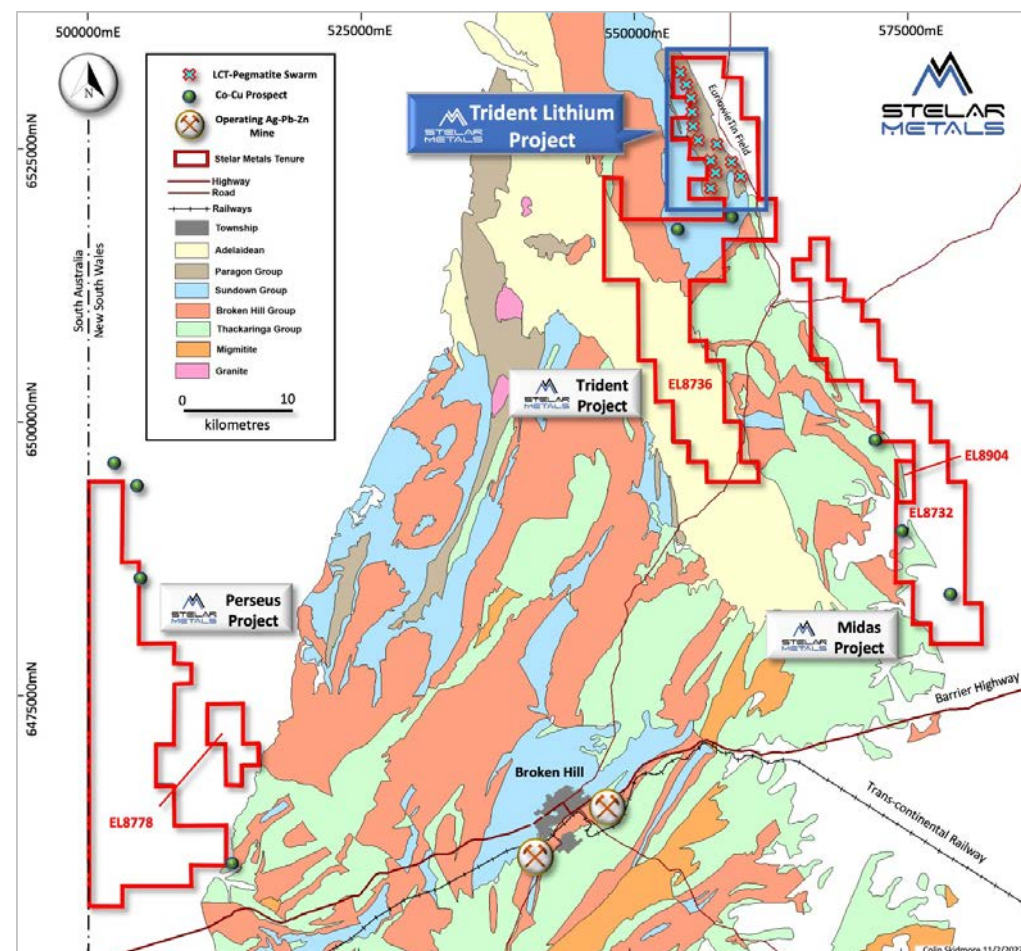
Trident Lithium Project

Trident Lithium Project: Overview



Stelar has a strong position in a major NSW Pegmatite Province

- Historic lithium and tin mining area with known LCT-Type Pegmatites that are highly anomalous in Li-Cs-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 1 km in length and up to >100m wide.
- Spodumene and lithium potential at depth not tested by previous drilling.
- Located near world-class mine infrastructure at Broken Hill NSW on Crown Pastoral Land.



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

A close-up photograph of a car's headlight and side mirror, with a blue geometric shape overlaid on the top left. The car is dark-colored, and the headlight is illuminated. The side mirror is visible, reflecting the car's interior. The background is a bright, clear sky.

“

Lithium minerals were discovered at the Trident Project in 1919, and subsequently it became one of the first lithium mines in Australia along with Finniss and Wodgina producing amblygonite ore from the 1940's through to the 1960's. Since the 1960's, Trident's lithium was essentially forgotten which now provides a great opportunity for Stelar Metals ”

– Colin Skidmore, CEO

Trident Lithium Project: Historic Work

1884

Euriowie Lithium-Tin Field was discovered

1940's-1960's

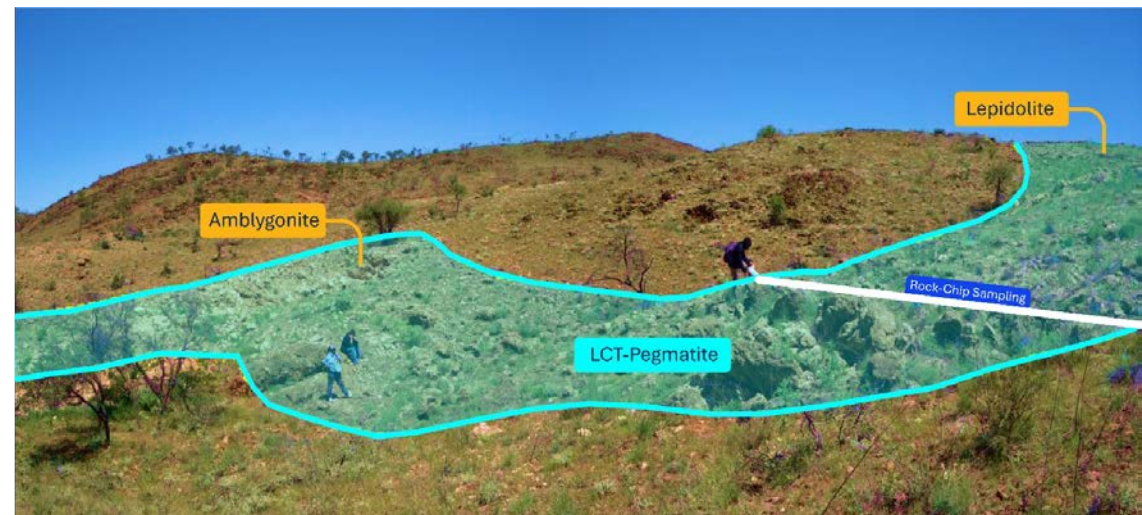
Small-scale mining of hard-rock lithium (Amblygonite) at Trident

2007-2015

Carpenteria's focus was tin but they 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



Triumph Prospect looking SSW showing Lepidico's rockchip sampling in 2016

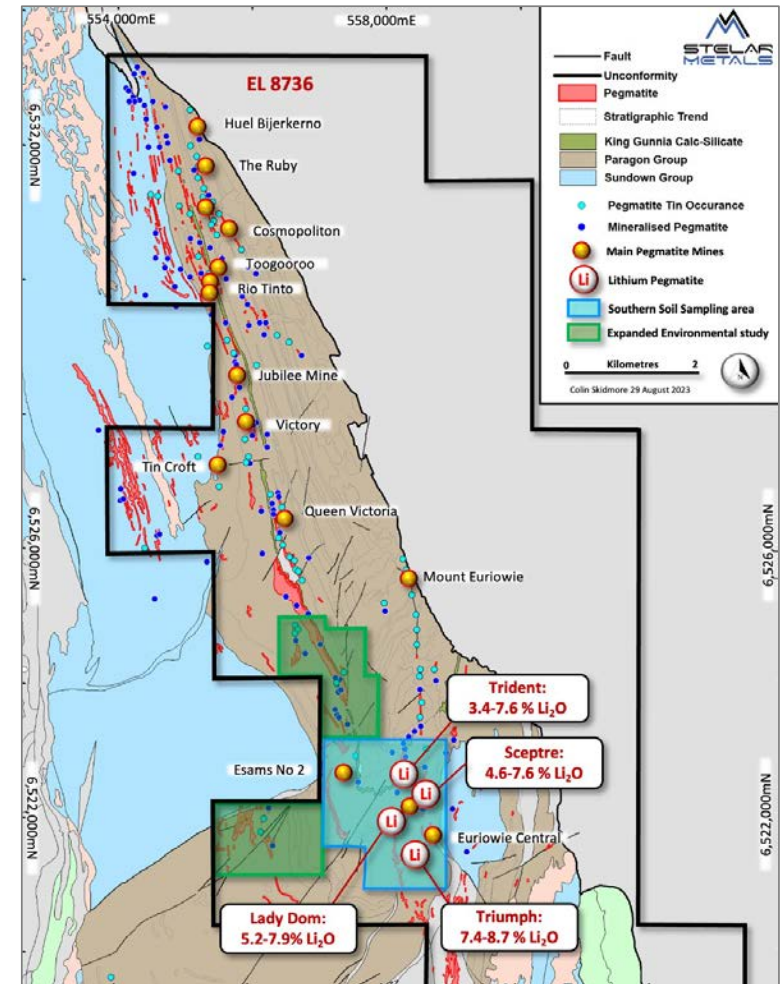
Trident Lithium Project: Lithium Mineralisation



Rock-Chip Sampling


Trident:	3.4 – 7.6% Li ₂ O	Triumph:	7.4 - 8.7% Li ₂ O
Lady Don:	5.2 - 7.9% Li ₂ O	Sceptre:	4.6 - 7.6% Li ₂ O

- More than 250 known mineral occurrences over 20 kilometres of pegmatite strike.
- Stellar’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.



ASX Announcement 15 August 2023 – Multiple High-Grade Lithium Assays at Trident Project
 ASX Announcement 28 August 2023 – High Grade Lithium Rock Chip Assays from Trident Project






Trident Lithium Project showing distribution of pegmatites and known mineral occurrences

A close-up photograph of a car's front end, focusing on the headlight and fog light. The car is dark-colored, and the headlight is illuminated, showing a red reflector. A blue geometric shape, resembling a stylized 'S' or a curved arrow, is overlaid on the top left of the image. The background is a dark blue gradient.

Stelar Metals Exploration Activities

Exploration Timetable

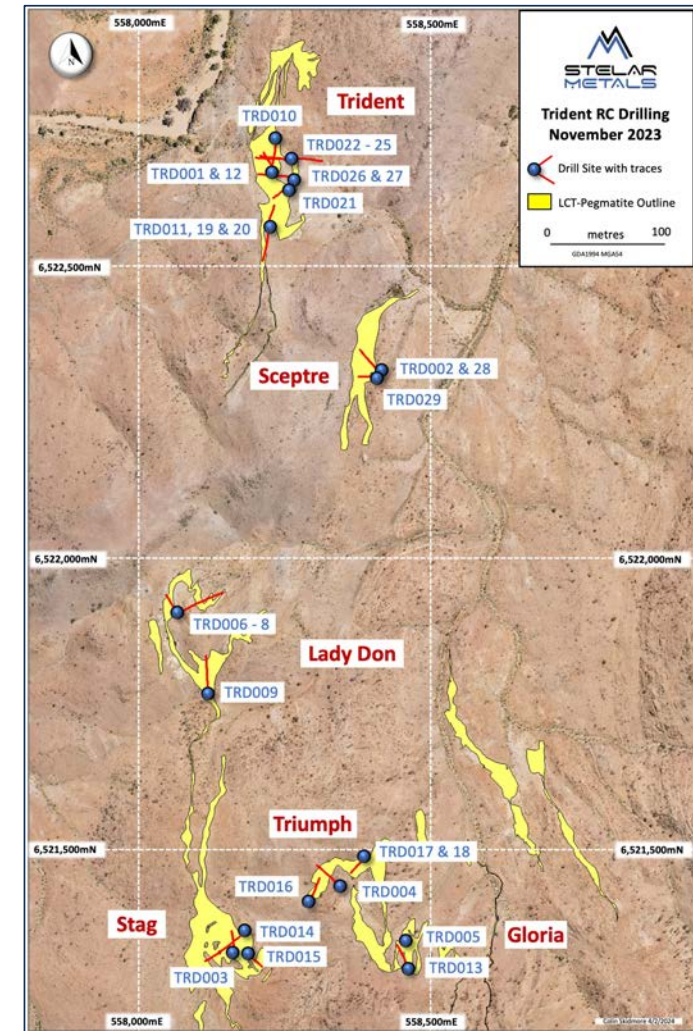


2023	2024
<p> Trident Project Acquisition Joint venture agreement with EMC</p>	<p>Mapping & Sampling Systematic exploration of other prospective pegmatites along >20km strike in the Euriowie Pegmatite Field</p>
<p> Land Access Agreements, Environmental & Cultural Heritage Studies</p>	<p>Review Detailed analysis and modelling of drilling results and prioritisation of mapped pegmatites for future drill testing</p>
<p> Mapping & Sampling Systematic mapping and surface sampling over known high-lithium LCT Pegmatites</p>	<p>Additional Drilling Follow up deeper RC and diamond drilling programs to quantify lithium grade distribution, mineralogy and metallurgy</p>
<p> Geophysics Acquisition and processing of geophysics to aid mapping of pegmatites at depth in collaboration with SensOre</p>	<p>MID 2024</p>
<p> Inaugural Drilling Program Shallow drilling program to map orientation and morphology of the pegmatites at depth to assess lithium potential</p>	<p>Business Development Expand Lithium Assets</p>

Trident Lithium Drilling Program - Phase 1 – Southern Area



- 29 RC drill holes completed in early December (2,630m)
- Designed to map orientation and morphology of pegmatites and test for spodumene at depth
- Zoned LCT-pegmatites at all drilled prospects with 743m of logged pegmatites
- >1,100 samples submitted for laboratory analysis
- **Stelar targeting first large-scale hard-rock lithium project discovery in NSW**



Trident Lithium Drilling Program - Phase 1 Results

- Drilling at Trident intersected high-grade lithium:

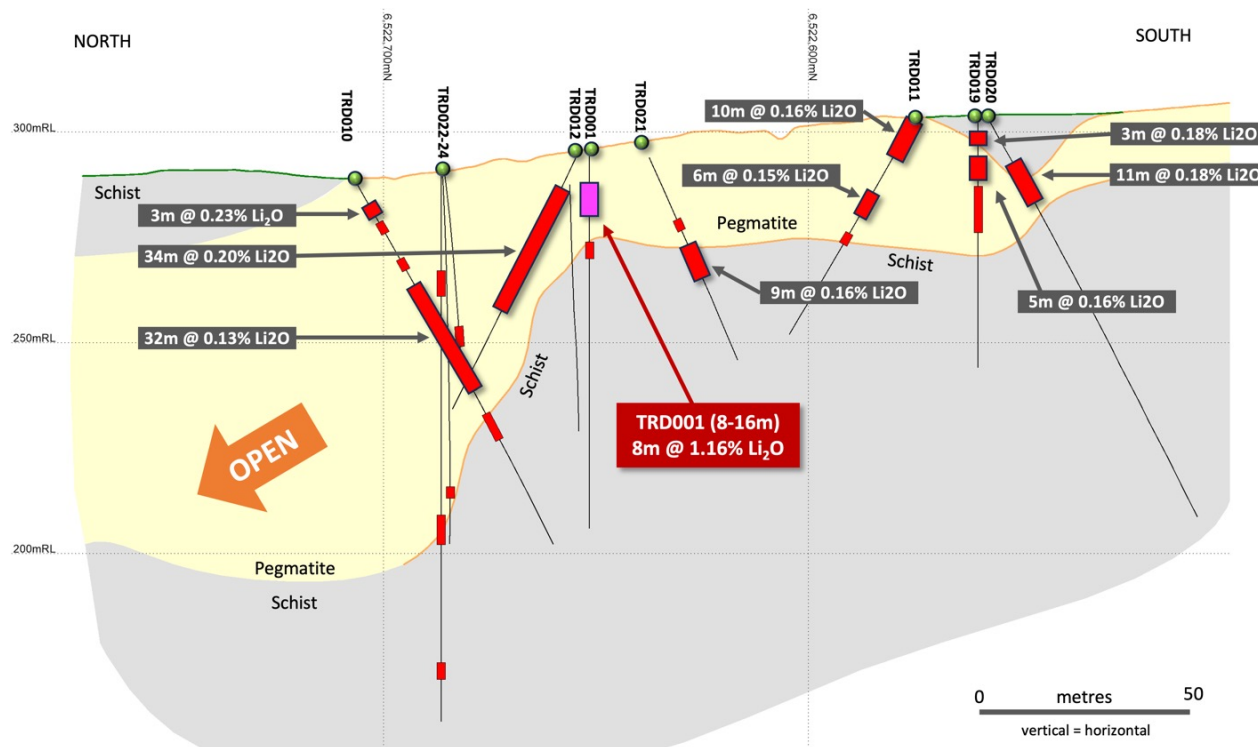
8m @ 1.16% Li₂O inc 4m @ 1.85% Li₂O

- The program returned high grades and widespread anomalous lithium intercepts associated with pegmatites including:

32m @ 0.13% Li₂O (TRD010: 28 - 57m)

34m @ 0.20% Li₂O (TRD012: 10 - 44m)

- The Trident pegmatite is substantial in volume and is over 50 metres in width
- Significant potential north of Trident, where the mineralised pegmatite system is deeper and open
- Trident pegmatite has recently been mapped for >3 km northwards of the drilled area
- **Additional drill programs planned for mid-2024**



Trident long-section showing lithium grade distribution

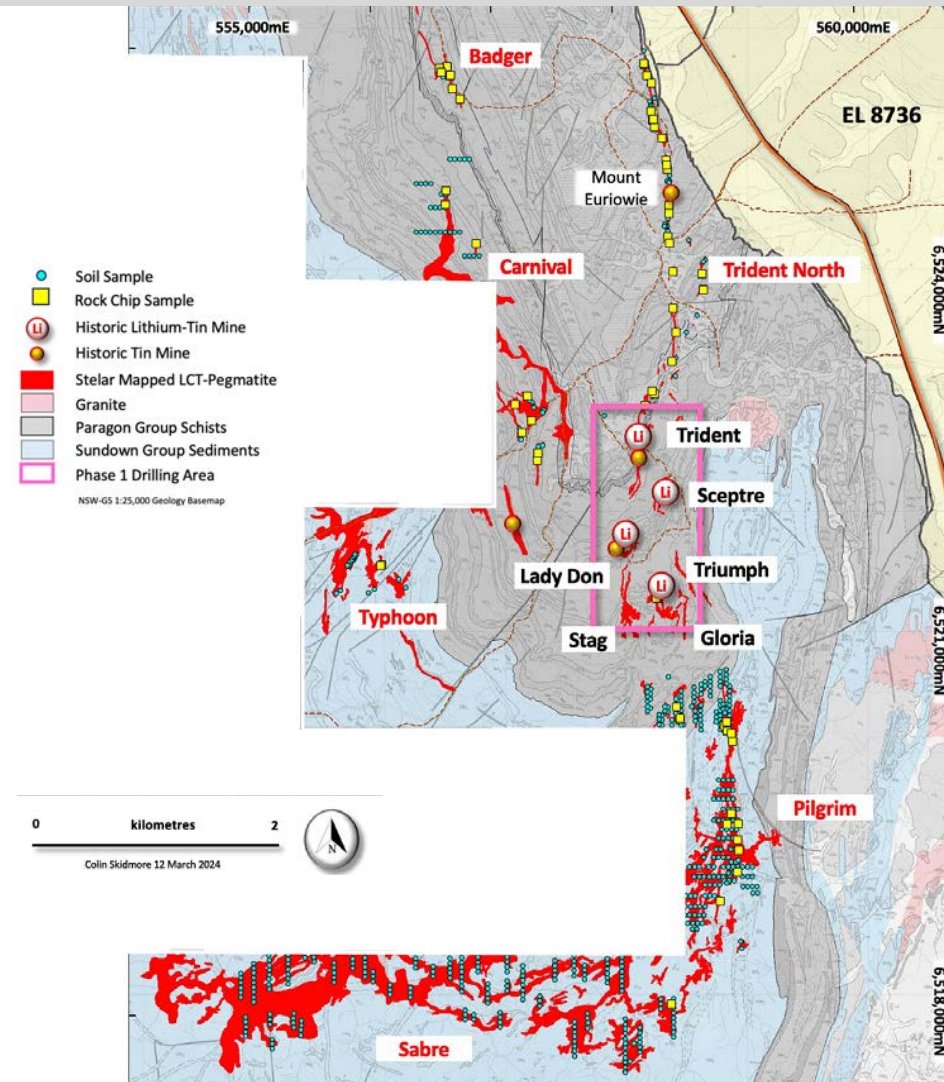
Economic-Scale Zoned Lithium Pegmatites



- Recent reconnaissance mapping has identified multiple new large zoned LCT-pegmatites, including:

Sabre	> 4,000 m strike
Pilgrim	> 2,000 m strike
Typhoon	> 1,600 m strike
Carnival	> 2,500 m strike
Trident	> 3,000 m strike

- Pegmatites are economic-scale and mapped with visible lithium minerals in hand specimen and anomalous Lithium in LiBS analysis
- 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



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

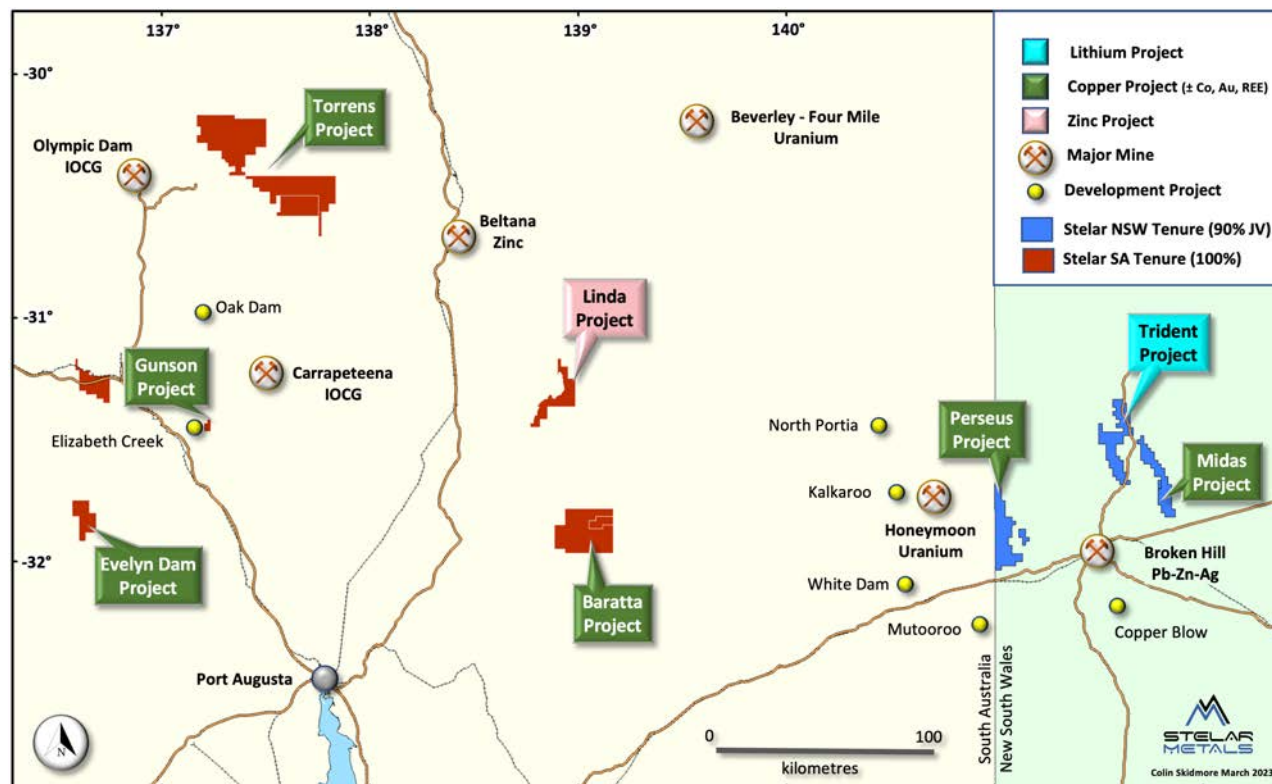
Carbonate-hosted Zinc

Linda

Rare Earth Elements

Baratta, Trident

Portfolio of Critical Metal Projects in world-class mining provinces



Ready to Discover Highly Prize Minerals

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



\$4.6M cash¹ supports share price, with leverage from exploration success



Stelar Metals leveraging hard rock lithium exploration and development expertise



Additional base metals exposure through SA and NSW portfolio



Favourable market conditions for battery and critical minerals




Experienced exploration and discovery team




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