

## Stelar Metals expands lithium tenure in NSW

### HIGHLIGHTS

- **Exploration Licence Application (ELA) lodged for new area adjacent to the Trident Lithium Project**
- **ELA 6659 extends over the Poolamacca Inlier with mapped pegmatites and lower metamorphic grade schists of Paragon and Sundown Groups similar to geology at Trident**
- **Granitic plutons to the west of the new ELA considered a potential source for lithium rich pegmatites**
- **Geological mapping and sampling are ongoing at the Trident Lithium Project with the next round of assays anticipated shortly**

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Critical minerals explorer Stelar Metals Limited (ASX:SLB) (“**Stelar Metals**” or the “**Company**”) has applied for an additional exploration licence (ELA 6659) immediately to the west of its EL 8736 which hosts the Trident Lithium Project located near Broken Hill in New South Wales (Figure 1).

ELA 6659, which covers 35 km<sup>2</sup>, extends over the Poolamacca Inlier which is potentially the same geological setting seen at Trident. The new ELA is ~15 kilometres west of the Trident Lithium Project where high-grade lithium rock-chip samples have been recently reported within classic-zoned LCT-pegmatites.

Historical exploration work has been very limited and modern exploration and mapping is required to assess the potential of this new area once the tenure is granted and land access agreements are in place.

**Stelar Metals CEO, Colin Skidmore, said:** “*Stelar’s new tenement application has potential host lithium mineralisation in the Poolamacca Inlier. The NSW GS mapped pegmatites in the same geological setting that we see nearby at Trident. The granitic plutons to the west of the ELA could also be a source for lithium rich pegmatites. Once again there has been no historical investigation of the pegmatites and consideration lithium potential in one of Australia’s first lithium mining centres near Broken Hill.*”

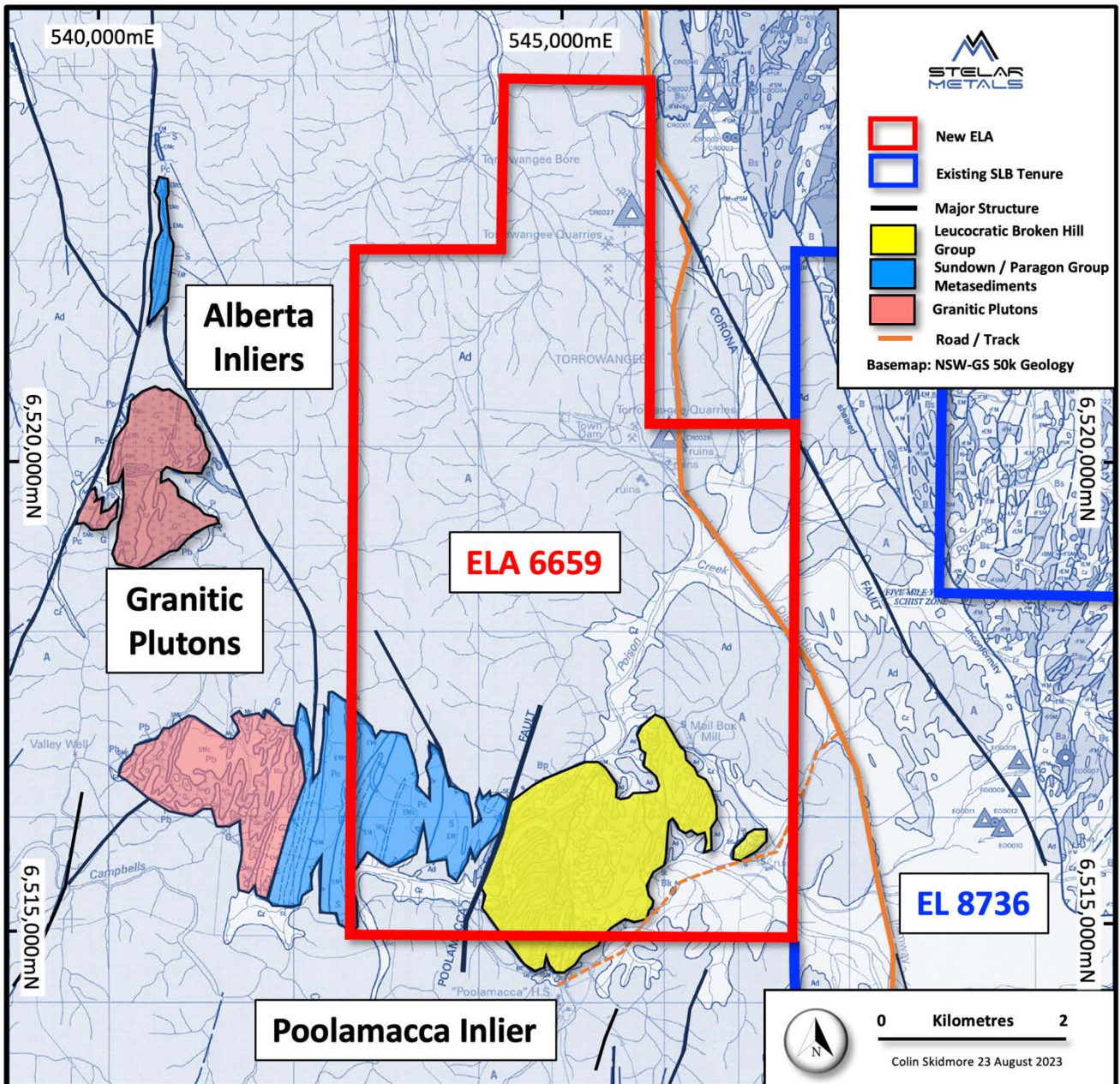


Figure 1: Location of ELA 6659 on simplified geology (modified after NSW-GS 50k metallogenic geology).

## Geological Setting

A large proportion of the ELA is covered by NeoProterozoic Adelaidean cover however in the south the Poolamacca Inlier (PI) is the dominant geological setting which may be prospective for lithium mineralisation (Figure 1). The central portion of the Poolamacca Inlier comprises folded Paragon and Sundown Group metasediments which includes mapped pegmatites that is the same geological setting as the Trident Lithium Project.

## Previous Exploration Work

The area covered by ELA 6659 has historically been held by many exploration companies including CGNM Resources, CRA Exploration, North Exploration, SA Exploration, BP Australia, and Carpentaria Exploration who were mainly looking for base-metals, gold and tungsten over large tenement areas.

There is no record of any drilling being undertaken and the majority of the work only comprised various regional geophysical and stream-sediment surveys with little attention paid to the Poolamacca Inlier.

### **The Next Steps**

Once the new tenement is granted and landholder access has been finalised, exploration work will include geological mapping and sampling of the Poolamacca Inlier.

At Trident, geological mapping and sampling is ongoing with the next round of samples from *Lady Don*, *Sceptre*, *Esams* and *Triumph* anticipated shortly.

On ground exploration is expanding to evaluate the numerous pegmatites along the 20 km strike length of the Euriowie Lithium Pegmatite Field to define hard-rock lithium drill targets

Stelar is finalising its drilling design which aims to initially test prioritised pegmatites such as *Trident*, *Lady Don*, *Sceptre*, *Esams No 1*, and *Triumph*. The Company will be seeking to undertake cultural heritage clearance surveys before the inaugural drill program which is designed to confirm pegmatite orientation and lithium fertility before embarking on a deeper more comprehensive drill program in the future to evaluate lithium resource potential.

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APPROVED BY THE BOARD OF STELAR METALS LIMITED

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**ABOUT STELAR METALS**

Stelar Metals is ready to discover highly prized critical minerals of lithium, copper, zinc and cobalt needed to drive the move to decarbonise the world and experiencing unprecedented demand. Stelar has five projects are 100% owned by Stelar Metals and are located in South Australia's premier world class exploration and mining district. In February 2023, Stelar acquired 90% interest in three New South Wales projects located in the Broken Hill Block which are in joint venture with Everest Metals Corporation Limited. The Company has an experienced exploration team with a track record of discovery success exploring for commodities that are in increasing demand.

**EXPLORATION RESULTS**

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Colin Skidmore, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Skidmore is a full-time employee of Stelar Metals Ltd. Mr Skidmore has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activities being undertaken 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 (the JORC Code (2012)). Mr Skidmore consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

This announcement includes information that relates to Exploration Results prepared and first disclosed under the JORC Code (2012) and extracted from the Company's initial public offering prospectus which was released on the ASX on 16 March 2022. A copy of this prospectus is available from the ASX Announcements page of the Company's website: **<https://stelarmetals.com.au/>**.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement. Where the information relates to Exploration Results, the Company confirms that the form and context in which the competent person's findings are presented have not been materially modified from the original market announcement.