

5 August 2025

# Latitude 66 takes inside line at Piastri, adjacent to Ricciardo gold-antimony deposit

## Highlights

- Latitude 66 to commence exploration activities at its recently granted Piastri tenement in the Yalgoo-Singleton greenstone belt, Western Australia
- The recently granted 15.2km<sup>2</sup> Exploration Licence is located 200m from the historical mining operations of the 1.96 Moz Aueq<sup>1</sup> Ricciardo gold-antimony deposit currently under acquisition by Capricorn Metals (ASX: CMM) for an implied value of A\$188 million<sup>1</sup>
- The Piastri tenement is considered prospective for shear hosted gold-antimony mineralisation
- Limited historic activities completed on the eastern side of the mineralised Mougooderra shear indicates significant exploration upside
- Geophysical target areas and interpreted parallel structures to be tested with first pass soil sampling, to be conducted in the current quarter

**Latitude 66 Limited, ACN 115 768 986 (ASX: LAT)** (“Lat66” or “the Company”) is pleased to provide an update on proposed exploration activities within a newly granted tenement located in the Yalgoo-Singleton Greenstone Belt in Western Australia.

The tenement lies contiguous with Warriedar Resources Limited’s (ASX: WA8) Golden Range Project, which hosts a Measured, Indicated and Inferred Resource of 2.3Moz AuEq<sup>1</sup> and is currently under acquisition by Capricorn Metals (ASX: CMM) for an implied equity value of AUD\$188 million<sup>1</sup>.

The majority of the Golden Range Mineral Resource base is associated with the Mougooderra Shear Zone, a prominent north-south trending structure that hosts the Ricciardo, M1, and Monaco-Sprite deposits (**Figure 2**). Importantly, this shear zone potentially extends into the Lat66 tenement via structurally related footwall splays.

Lat66 plans to investigate these prospective, structurally parallel zones through upcoming field mapping and soil sampling programs. Historical exploration within the tenement includes 22 RAB drillholes across a ~10km strike extent, leaving large portions of the tenement underexplored.

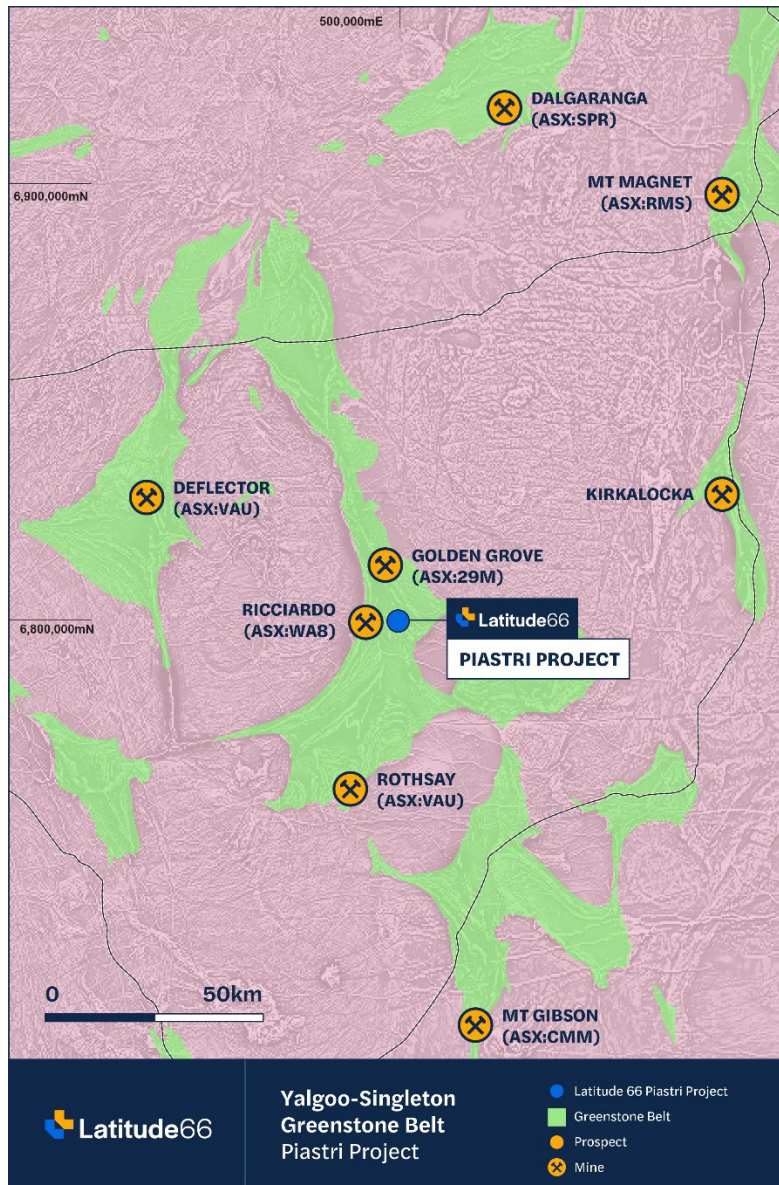
### Latitude 66’s Managing Director, Grant Coyle, commented:

*“The granting of the Piastri tenement represents a strategically significant addition to our portfolio, given its immediate proximity to the 1.96Moz Ricciardo Resource and location within the well-endowed Yalgoo-Singleton Greenstone Belt.*

*“The project remains remarkably underexplored. Early interpretation of regional magnetics has already outlined multiple structural targets on the footwall side of the prospective shear, with historical drilling confirming the presence of high-grade gold in this position. We believe Piastri offers an exciting opportunity for near-resource discovery and look forward to commencing first-pass fieldwork in the weeks ahead.*

*“With the pending sale of the Greater Duchess JV interest set to boost Lat66’s funding, the Piastri Project is a timely opportunity for the Company to continue growing its highly prospective gold projects in Western Australia.”*

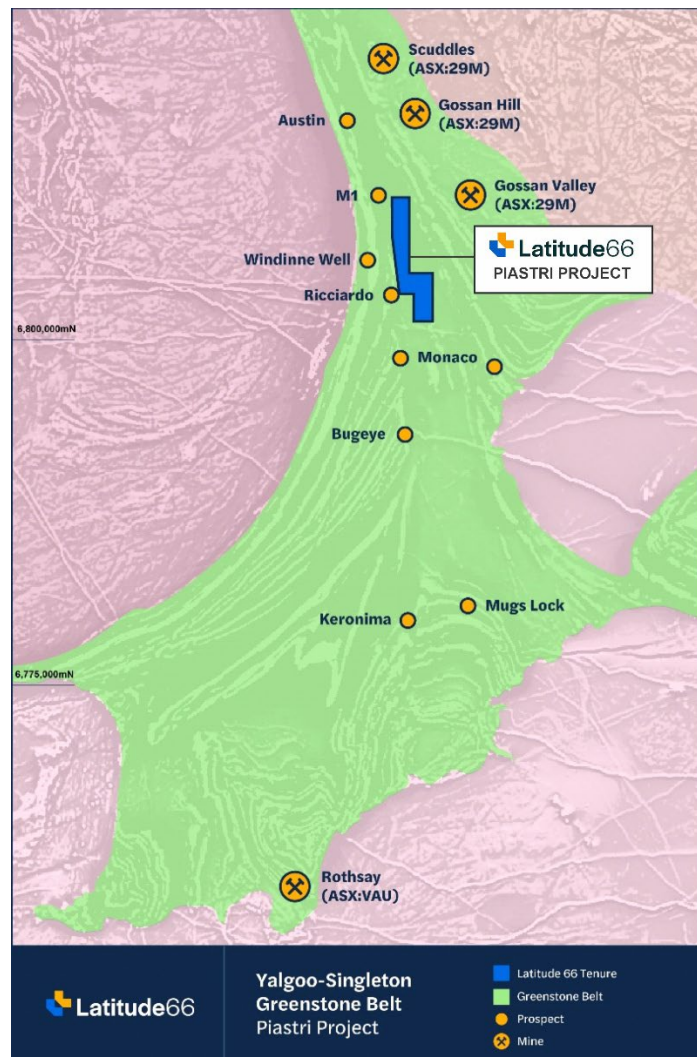
<sup>1</sup> Previously released by Capricorn Metals Ltd (ASX:CMM) on the 24<sup>th</sup> July 2025 – “Acquisition of Warriedar Resources Limited”.



*Figure 1: Regional map of Yalgoo-Singleton Greenstone Belt WA.*

## The Piastri Project

The Piastri Project is located approximately 200 metres east of mining infrastructure related to the Riccardo Mineral Resource, which comprises 24.5Mt @ 2.5 g/t AuEq for 1.96 Moz AuEq1, situated within the north-south trending Yalgoo-Singleton Greenstone Belt (Figure 2). The tenement straddles the regionally significant Mougooderra Shear Zone, a major crustal-scale structure that forms the principal mineralising corridor within the district.



**Figure 2:** Regional map of Yalgoo-Singleton Greenstone Belt WA, LAT's Piastri Exploration Licence (blue) plus nearby prospects and mines.

The Mougooderra Shear demarcates a distinct lithological contrast between a western hanging wall sequence, consisting of felsic volcanic rocks, mafic to ultramafic units, and banded iron formations, and an eastern footwall sequence composed primarily of pelitic metasediments. The shear zone hosts the bulk of known gold resources in the area, including the Ricciardo deposit.

Despite the project's proximity to this major mineralising structure, limited to no modern exploration has been conducted within the Piastri tenement. Interpretation of regional aeromagnetic datasets has revealed the presence of multiple interpreted shear-parallel structures on the eastern (footwall) side of the Mougooderra Shear. These features are interpreted as potential splay faults or subsidiary structures propagating from the main shear, and represent compelling exploration targets.

Significantly, the Piastri Project lies along strike from a previously reported aircore drill intersection of 6m @ 4.3g/t Au<sup>2</sup> (MTAC002 – Figure 3), located within the interpreted footwall domain. This intercept not

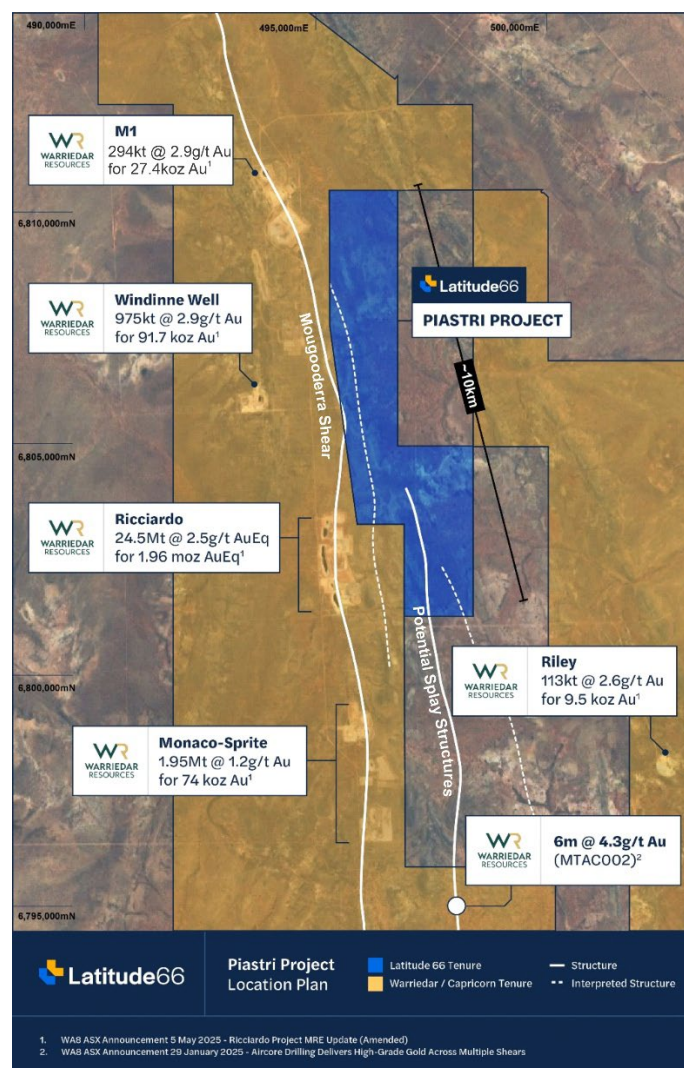
<sup>2</sup> Warriedar Resource Ltd (ASX:WA8) on the 29 January 2025 – “Aircore Drilling Delivers High-Grade Gold Across Multiple Shears”.



only supports the presence of mineralised splays east of the main shear zone, but also confirms the potential for the splays to host high-grade gold mineralisation.

Analogous mineralised settings are observed elsewhere in the Yilgarn Craton, where subsidiary, splay structures or cross-faults off regionally significant shear zones host significant gold deposits. Notably, the Zuleika Shear Zone west of Kalgoorlie is associated with a series of mineralised splays and cross-faults, including the deposits at Raleigh, Rubicon–Hornet–Pegasus, and Paradigm. Similarly, in the Laverton Tectonic Zone, deposits such as Wallaby and Sunrise Dam are interpreted to be associated with splays or structural splays off the regionally extensive Celia Shear.

These analogues support the exploration rationale at Piastri and highlight the opportunity to define significant mineralisation along the interpreted footwall splays east of the Mougooderra Shear.



<sup>3</sup> Nearby properties and projects are for information purposes only and there are no assurances the company would achieve the same results at its project.

## Upcoming Exploration Activities

Preparations are underway to complete a geological and structural mapping program within the current quarter, together with a soil sampling survey that will traverse the multiple sub-parallel shear zone interpreted from the magnetics.

Following this initial exploration work program, Lat66 will move to undertake a drilling campaign to test targets that have been generated.

- Ends -

This announcement has been authorised for release by the Board of Latitude 66 Limited.

### For Investor Queries:

Grant Coyle - Managing Director  
Latitude 66 Limited  
E: [grant@lat66.com](mailto:grant@lat66.com)  
T: +61 8 9380 9440

### For Broker and Media Queries:

Amalie Schreurs – +61 0431 636 033  
Jason Mack – +61 400 643 799  
White Noise Communications  
E: [amalie@whitenoisecomms.com](mailto:amalie@whitenoisecomms.com)

## Forward Looking Statement

The forward-looking statements in this announcement are based on the Company's current expectations about future events. They are, however, subject to known and unknown risks, uncertainties and assumptions, many of which are outside the control of the Company and its Directors, which could cause actual results, performance or achievements to differ materially from future results, performance or achievements expressed or implied by the forward-looking statements.

## Competent Person's Statement

The information in this announcement that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Toby Wellman, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Wellman has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which 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 (the "JORC Code"). Mr Wellman is the Technical Director of Latitude 66 Limited and consents to the inclusion in this announcement of the Exploration Results in the form and context in which they appear.