

28 July 2025

## Drilling resumes at Overland Uranium Project testing dual uranium models

### Highlights:

- **Rapid testing of newly acquired target area**<sup>1</sup>: Prioritising confirmatory follow up of historic (1981) drilling that revealed gamma anomalism from surface to 30m depth along ~7km strike.
- **Roll-front signature follow-up**: Targeting ISR-amenable uranium target in EL7001, following the identification of a roll-front gamma signature in oxidised permeable sands during drill program completed in May 2025<sup>2</sup>.
- **Systematic testing of targets**: Initial follow-up of surficial calcrete and roll-front targets, followed by systematic testing of high-priority targets across the extensive ~7,700km<sup>2</sup> tenure position.
- Engage with this announcement at the AR3 [investor hub](#).

### AR3 Managing Director and CEO, Travis Beinke, commented:

*"We are excited to resume drilling at our Overland Uranium Project. The immediate focus is on following up our previously identified high-priority roll-front target alongside the rapid testing of our expanded tenure position where we have identified the potential for widespread near surface calcrete hosted uranium mineralisation.*

*As recently announced<sup>1</sup>, we have an intriguing new target area to test, uncovered by our team through a systematic review of historical drilling data dating back to 1981. It's a walk-up drill target with significant gamma anomalism from surface over 7km of strike.*

*It's great to be out in the field with the drill rig turning and we look forward to updating shareholders as the program progresses."*

**Australian Rare Earths Limited (ASX: AR3)** confirms the recommencement of drilling activities at its Overland Uranium Project in South Australia, building on significant progress from earlier in 2025.

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<sup>1</sup> ASX release 10 July 2025 "Strategic addition to AR3's Overland Project with uranium potential from surface".

<sup>2</sup> ASX release 26 May 2025 "Overland Project drilling identifies roll front uranium signature".

Drilling results announced in May 2025<sup>2</sup> point to the potential for In-Situ Recovery (ISR) amenable sedimentary hosted uranium targets at Overland, and in particular, along the western margin of the previously defined palaeovalley setting on EL7001. The majority of AR3's drilling on EL7001 remains relatively wide spaced, at 800m centres, providing plenty of room for additional drilling to uncover significant sedimentary hosted uranium mineralisation.

The recent acquisition of EL6895<sup>1</sup>, followed AR3's review of historic drilling and gamma logging conducted by CRA in 1981, and has uncovered drillholes on EL6895 with indications of significant gamma anomalism from surface with no follow-up exploration undertaken in the intervening years.

The current drilling program is expected to run from July to October 2025 with the initial follow-up of surficial calcrete and roll-front targets, followed by systematic testing of high-priority targets across the extensive tenure position. AR3's total project area now encompasses approximately 7,700km<sup>2</sup> of land in a frontier uranium play in South Australia's Murray Basin (Figure 2).



*Figure 1: Air Core drilling at EL6895.*

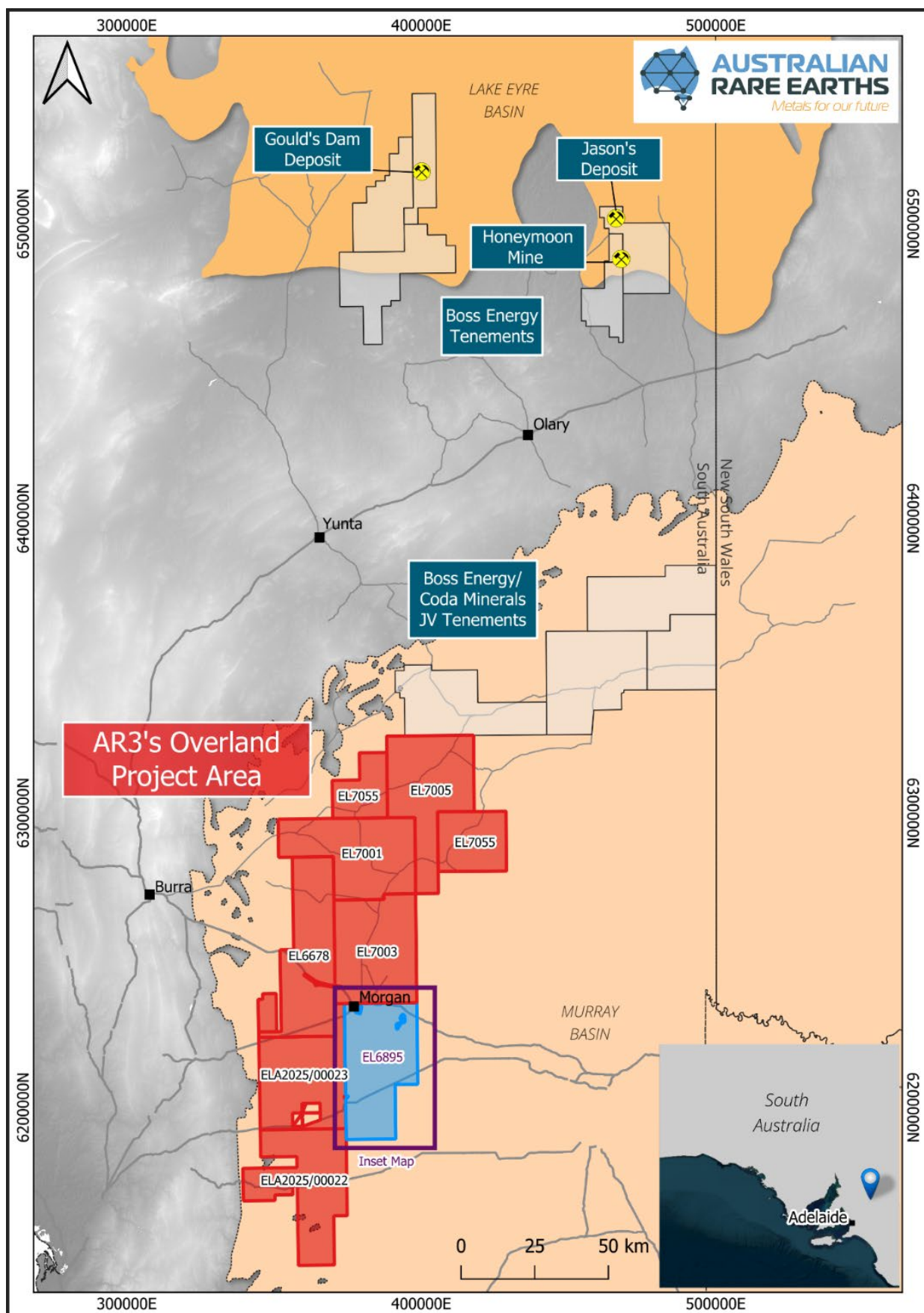


Figure 2: Overland Project area and new EL6895.



### Next steps

- **Assay Results:** Laboratory analysis of recent drilling samples elsewhere in Overland is underway, with results expected to be available over the coming months.
- **Data Analysis:** AR3 continues to compile and interpret all existing geological and geophysical data.
- **Geophysical Surveys:** AR3 is developing remote sensing techniques to better define prospective paleochannel targets, particularly in EL7001 where existing drill density will help validate any geophysical techniques applied.

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The announcement has been authorised for release by the Board of Australian Rare Earths Limited.

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Engage and Contribute at the AR3 investor hub: <https://investorhub.ar3.com.au/>

### Competent Person's Statement

*The information in this report that relates to Exploration results is based on information compiled by Australian Rare Earths Limited and reviewed by Mr Rick Pobjoy who is the Chief Technical Officer of the Company and a member of the Australian Institute of Mining and Metallurgy (AusIMM). Mr Pobjoy has sufficient experience that is relevant to the style of mineralisation, the type of deposit under consideration and to the activities 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". Mr Pobjoy consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

### About Australian Rare Earths Limited

Australian Rare Earths (AR3) is an emerging diversified critical minerals company, strategically positioned to meet the growing global demand for uranium and rare earth elements. The Company's vast ~7,700 km<sup>2</sup> Overland Uranium Project in South Australia shows strong uranium discovery potential, with initial drilling identifying opportunities for substantial near-surface and deeper deposits.

Simultaneously, AR3's Koppamurra Rare Earths Project in South Australia and Victoria has secured important government support through a \$5 million grant to accelerate development. With support from global advanced industrial materials manufacturer, Neo Performance Materials, AR3 is progressing toward a Pre-Feasibility Study and a demonstration facility, solidifying its role in diversifying global rare earth supply chains for the clean energy transition. With strategic projects and strong government support, AR3 is poised for significant growth in the critical minerals market.