

## Compelling New Gold Targets Identified at Laverton South

Further regional drill targets to be tested imminently with AC drilling

- Project-wide review of the Laverton South Project completed, resulting in the identification of numerous new drill targets.
- As part of this process, a large-scale geophysical review was undertaken with the newly identified targets covering geophysical anomalies in close proximity to known gold deposits.
- Drilling of these regional targets planned to commence imminently while full assays are awaited from the recently completed aircore program west of the Lighthouse discovery by neighbouring KalGold (ASX: KAL).

West Australian-based explorer E79 Gold Mines Limited (ASX: E79) ('E79 Gold' or 'the Company') is pleased to provide an update on exploration activities at its Laverton South Gold Project (Figure 1) in Western Australia.

**E79 Gold CEO, Ned Summerhayes, said:** "As part of the regional work completed recently over the Laverton South tenements, we have reprocessed a number of historic datasets in light of the recent Lighthouse discovery by neighbour KalGold.

"This work has generated a number of compelling geophysical targets from both magnetics and gravity, adding to the pipeline of exploration opportunities in this region. Our plan is to test these targets with air-core drilling in the near future, with work already underway to commence drilling while we await full assays from the recently completed program."

### ASX Code: E79

Shares on issue: 158.4M

Market capitalisation: \$3.64M

Cash: \$2.13M (31 March 2025) plus \$783k  
tranche 2 placement received Apr25

ABN 34 124 782 038

### Head Office

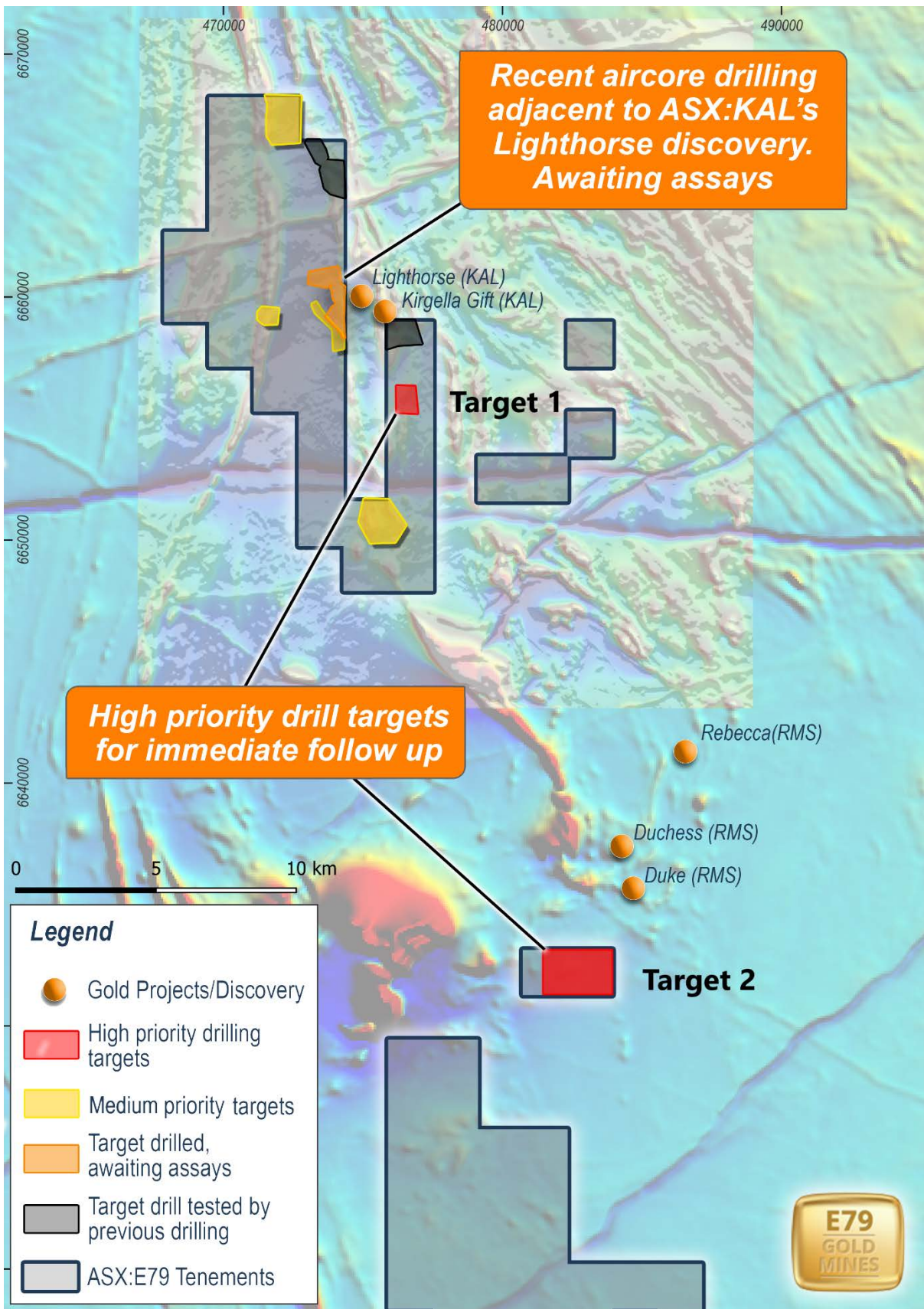
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**Figure 1.** Map of reprocessed and regional magnetics highlighting high-priority drill targets.

## Laverton South Gold Projects

### Pinjin (100%) and Lake Yindana (100%)

The Laverton South Project, with an area of 272km<sup>2</sup>, covers a southern portion of the Laverton Tectonic Zone ('LTZ') approximately 130km east-northeast of Kalgoorlie, within the major gold producing Archean Yilgarn Craton of Western Australia.

The LTZ is one of the world's richest gold belts with more than 30 million ounces ('Moz') in historical production, reserves and resources and hosts numerous prolific deposits including Granny Smith (5.8Moz), Sunrise Dam (10.3Moz) and Wallaby (11.8Moz)<sup>1</sup>.

E79 Gold has recently completed initial drilling over geophysical targets immediately west of an emerging greenfields gold discovery made by Kalgoorlie Gold Mining (ASX: KAL) (KalGold) called Lighthouse, in a structure parallel to the LTZ. The Company has drilled 82 air-core holes for a total of 5,871m, with full assay results pending.

Part of the planning for the recent drilling involved the reinterpretation and reprocessing of available large-scale geophysical datasets and drilling data. From this work, a number of drill targets have been identified with two high-priority targets confirmed for immediate drilling.

**Target 1** – This target sits in a zone of structural complexity with the recently reprocessed magnetic data demonstrating a zone of demagnetisation that coincides with a large-scale northwest fault interpreted from the gravity data. There is wide-spaced historic drilling to the north and south, with coincident gold anomalism. Target 1 sits 3km south of Kalgold's Kirgella Gift resource in similar stratigraphy.

**Target 2** – This target is located in the north of the Lake Yindana tenements, and is interpreted to be a domal structure analogous to the nearby Duke deposit, part of the Ramelius Resources-owned Rebecca Gold Project, but under cover. Target 2 is located 3km south-west of the Duke Deposit, in a similar geological setting.

Drilling of these two high-priority targets is planned to commence in May and be completed in June.

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<sup>1</sup> Refer to E79 Gold Prospectus dated 17 August 2021



Elsewhere within the Laverton South Project, the discovery of surface gold at Heysen's Find, located 250m north of E79 Gold's tenements, has prompted further exploration work in the area.

Neighbouring OzAurum Resources Limited (ASX: OZM) has announced surface gold from selected rock chips, up to 16.23g/t Au<sup>2</sup> from historic workings at Haysen's Find, that sits on a regional structure that is interpreted to run through E79 Gold's tenure.

Previous air-core drilling by E79 along this structure has intersected 12m @ 1.12g/t (23LRAC163)<sup>3</sup>, enhancing the potential of this region for further exploration. An additional programme will be planned for this area after further field work.

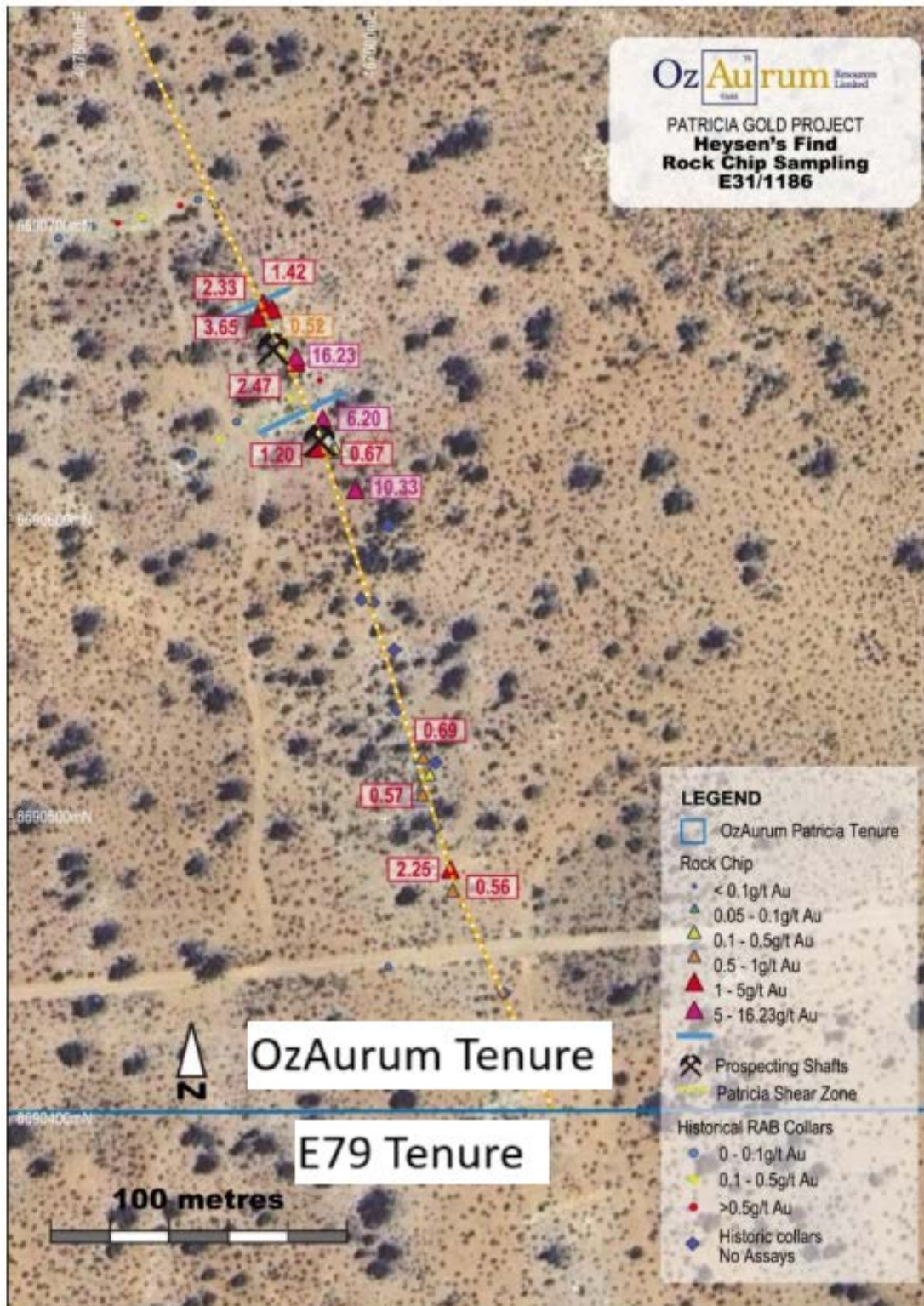
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<sup>2</sup> Refer to OzAurum ASX announcement 29 November 2024

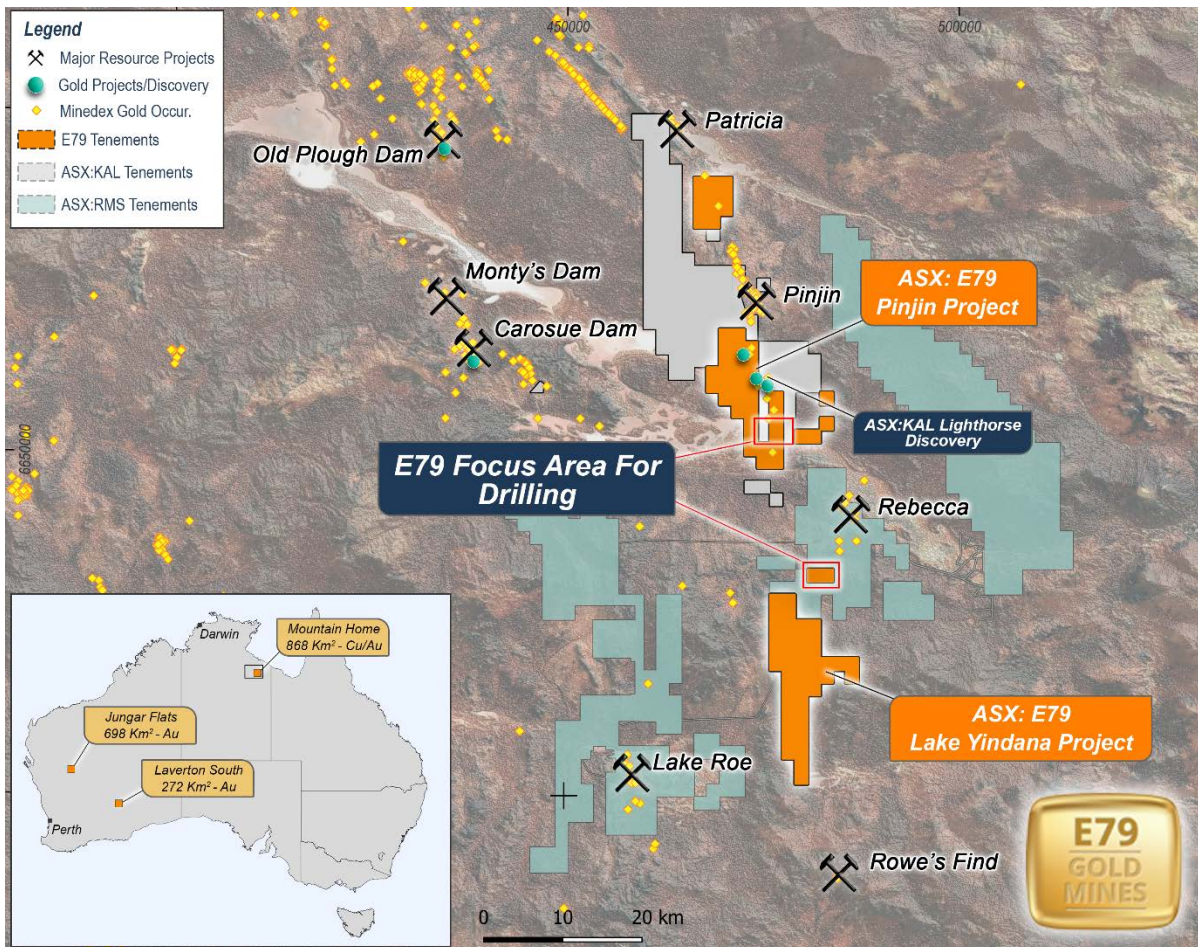
<sup>3</sup> Refer to E79 Gold Mines ASX announcement 7 September 2023

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**Figure 2:** Image adapted from OzAurum ASX announcement 29 November 2024 demonstrating the proximity of E79 Tenure to Heysen's Find.



**Figure 3.** Map of the Laverton South Gold Project.

E79 Gold is focusing on near-term discovery opportunities at the Laverton South Gold Project in WA and the Mountain Home Cu-Au-Bi Project in the Northern Territory.

Our motto: **Money in the ground.**

Yours sincerely,

**Chris Cairns**  
Non-Executive Chair

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*The information in this report that relates to Exploration Results is based on information compiled by Mr Ned Summerhayes, a Competent Person who is a member of the Australian Institute of Geoscientists. Mr Summerhayes is a full-time employee, a shareholder and an option holder of the Company. Mr Summerhayes has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity 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'. Mr Summerhayes consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

*Previously Reported Information: The information in this report that references previously reported exploration results is extracted from the Company's ASX market announcements released on the date noted in the body of the text where that reference appears. The previous market announcements are available to view on the Company's website or on the ASX website ([www.asx.com.au](http://www.asx.com.au)). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. 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 announcements.*

Authorised for release by the Non-Executive Chair of E79 Gold Mines Limited.

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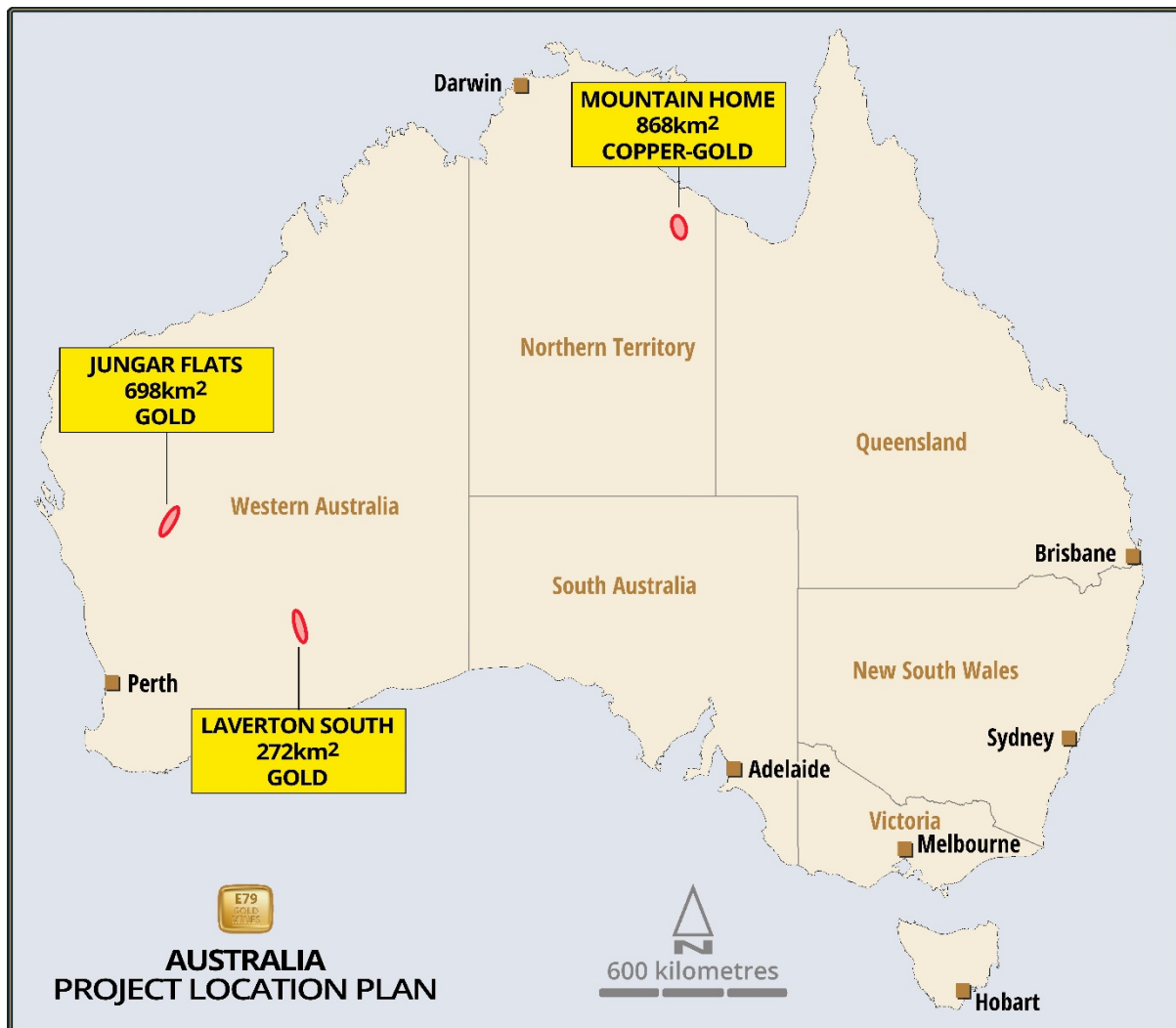
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## ABOUT E79 GOLD MINES LIMITED (ASX: E79)

E79 Gold's Projects (Figure 4) comprise Western Australia tenure in the Laverton Tectonic Zone and Murchison Goldfields, both endowed with >30 million ounces of gold and located within the Yilgarn Craton of Western Australia. The Murchison project is subject to an earn-in and joint venture agreement with Scorpion Minerals<sup>4</sup> allowing E79 Gold to focus on the gold discovery potential in the Laverton South Project.

Additionally, E79 Gold holds ~1,838km<sup>2</sup> of highly prospective ground including within the McArthur Basin of the Northern Territory, the world's largest accumulation of Zn-Pb<sup>5</sup>, and is prospective for copper, gold, bismuth and diamonds.



**Figure 4:** Map of E79 Gold's exploration projects

<sup>4</sup> See ASX announcement 14 February 2025

<sup>5</sup> Huston et al, 2023, Zinc on the edge, Mineralium Deposita 58 (707-729)