



## Quarterly Activities Report




For the Quarter Ended 30 June 2025

### HIGHLIGHTS:


#### LAVERTON SOUTH GOLD PROJECT, WA

-  Air-core drilling in progress with 5,110m drilled during the quarter
-  Geophysical review underway to identify further drilling targets

#### MOUNTAIN HOME COPPER-GOLD-BISMUTH PROJECT, NT

-  E79 Gold moved to 100% ownership of the Mountain Home Project
-  Project area expanded by 37% with the acquisition of mineral rights to parts of two adjoining tenements
-  Two co-funded exploration grants awarded to E79 Gold under the Northern Territory Government's Geophysics & Drilling Collaborations (GDC) program

#### CORPORATE

-  Cash balance of \$2.11M at the end of quarter

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West Australian-based explorer E79 Gold Mines Limited (**ASX: E79**) ('E79 Gold' or 'the Company') is pleased to report on activities during the June 2025 Quarter. E79 Gold holds 2,336km<sup>2</sup> of tenure prospective for gold, base metal and strategic metals within Western Australia and the Northern Territory.

**E79 Gold CEO, Ned Summerhayes, said:** *"Work this quarter was focused on drilling around our Pinjin Project, part of our broader Laverton South Gold Project in WA, with 5,110m of air-core drilling completed and initial results outlining a coherent low-level gold anomaly that was subsequently followed up with in-fill and extensional drilling. Assay results are pending.*

*"An additional 1,700m of air-core drilling has been completed since the end of the Quarter, as part of a larger 5,000m regional program currently being undertaken.*

*"Meanwhile at Mountain Home in the NT, E79 Gold took 100% control of the project and expanded the project footprint by 37%, giving us ownership of and rights to some*

*1366km<sup>2</sup> of highly prospective ground. Two co-funded exploration grants were awarded to E79 Gold during the Quarter, for targeted Reverse Circulation drilling and regional geophysics.”*

## **Safety and Productivity**

A summary of key performance indicators during the June 2025 Quarter is provided below:

- Exploration activities were undertaken safely with no incidents to report.
- 5,110m in 69 air-core holes were drilled at the Laverton South Gold Project.
- 75% of total expenditure for the quarter was incurred directly on exploration activities.

## **Laverton South Gold Project**

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

The Laverton South Gold 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>.

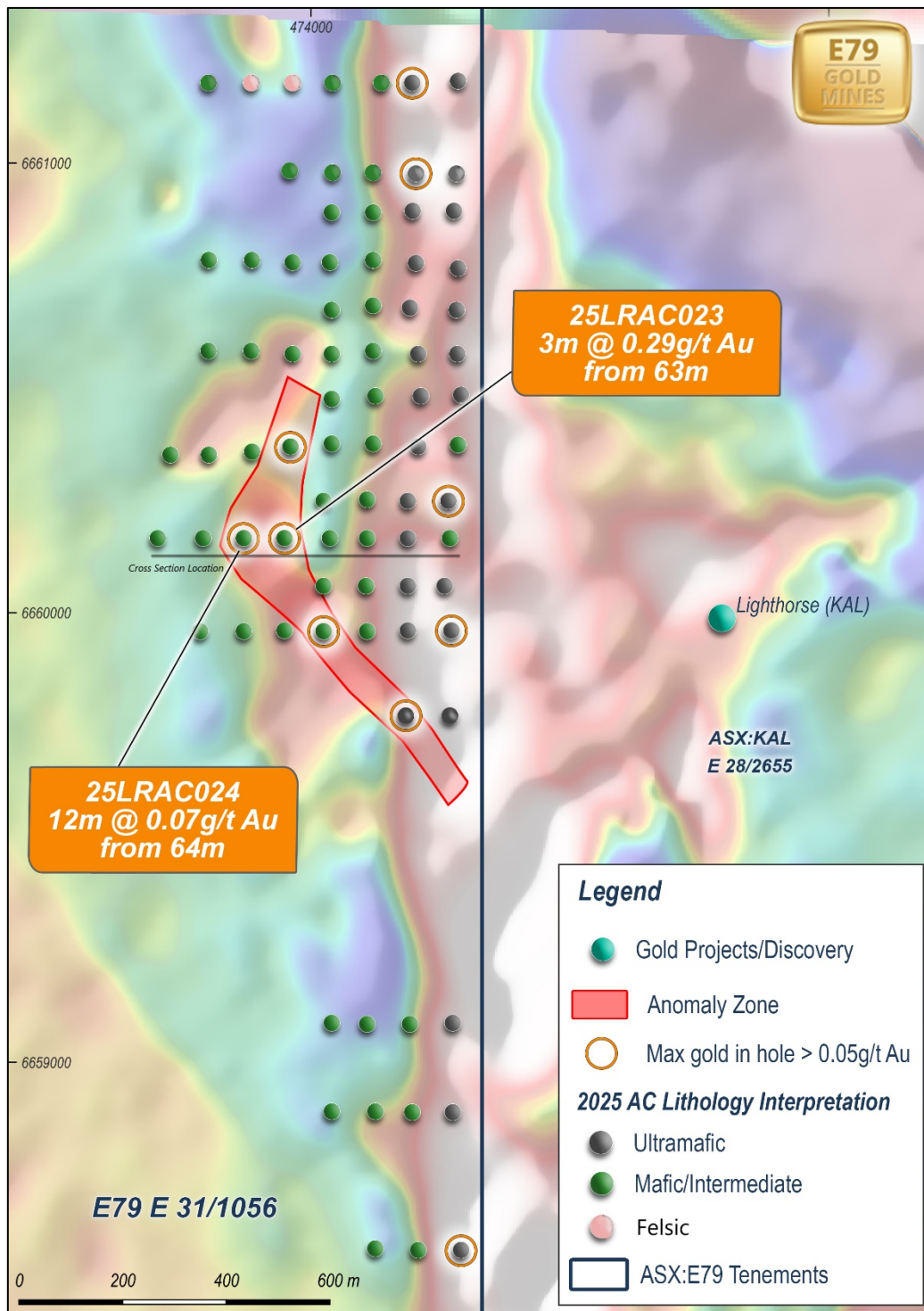
Drilling during the Quarter focused on testing geophysical anomalies west of the emerging Lighthouse gold discovery<sup>2</sup> by neighbouring company, Kalgoorlie Gold Mining Limited (ASX:KAL, 'KalGold'). E79 Gold drilled 69 air-core holes for 5,110m during the Quarter with assay results outlining a 700m-long low-level gold anomaly (>>50ppb Au) within a favourable structural setting, with significant results of 3m @ 0.29g/t Au from 63m (25LRAC023) and 12m @ 0.07 g/t Au from 64m (25LRAC024) in adjacent holes<sup>3</sup>.

In-fill and extensional air-core drilling has since been undertaken over this anomaly to understand its significance, given it occurs in close proximity to KalGold's emerging Lighthouse discovery (Figure 1). Results from this in-fill drilling are pending.

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

<sup>2</sup> Refer to Kalgoorlie Gold Mining Limited ASX Announcement 7 February 2025

<sup>3</sup> Refer to E79 Gold Mines Limited ASX Announcement 21 May 2025



**Figure 1.** Map of announced air-core holes at the Pinjin Project over magnetics.



## Northern Territory Project

### **Mountain Home (EL32470 – 100% E79 Gold), EL33886 and EL33887 (both under application – 100% E79 Gold), EL32466 and EL32467 (Mineral Rights over excised portions)**

E79 Gold holds an area of 1,366km<sup>2</sup> within the highly prolific McArthur Basin in the Northern Territory. The Mountain Home (MH) Project covers inliers of highly prospective lithology of the McArthur Basin, within the younger Carpentaria Basin (see Figures 2 and 3).

E79 Gold now owns 100% of the Mountain Home Project after electing to exercise its final option over the ground early<sup>4</sup>, in return for which the agreed royalty was reduced to 1.0% NSR and capped at A\$1.5 million, with E79 Gold having the right to acquire the NSR at any time for A\$1 million. Additionally, the project was expanded by 37% to 1,366km<sup>2</sup> with the acquisition of mineral rights over excised portions of two adjoining tenements to the north<sup>5</sup>.

Preliminary assessments indicate that Mountain Home may be included in a family of deposits described as intra-cratonic copper-gold (ICG), that includes the iron-oxide copper-gold (IOCG) deposit classification.

While at an early stage of evaluation, this style of mineralisation has potential for significant scale and/or grade and Mountain Home may be most similar to notable IOCG occurrences in the Tennant Creek mineral field.<sup>6</sup>

During the Quarter, E79 Gold was successful with two applications in Round 18 Geophysics and Drilling Collaborations Program funding<sup>7</sup>. The first program is an initial reverse circulation (RC) program at Mountain Home and with funding of 50% of drilling costs up to \$100,000 (inclusive of GST).

The second program is for a large-scale airborne gravity survey over the Mountain Home Project. Under this program, 50% of the data acquisition costs – up to \$150,000 (inclusive of GST) – are available to the Company.

Gravity is a very powerful tool in identifying structures, intrusions and targets under cover.

<sup>4</sup> Refer to E79 Gold Mines Limited ASX Announcement 22 April 2025

<sup>5</sup> Refer to E79 Gold Mines Limited ASX Announcement 16 June 2025

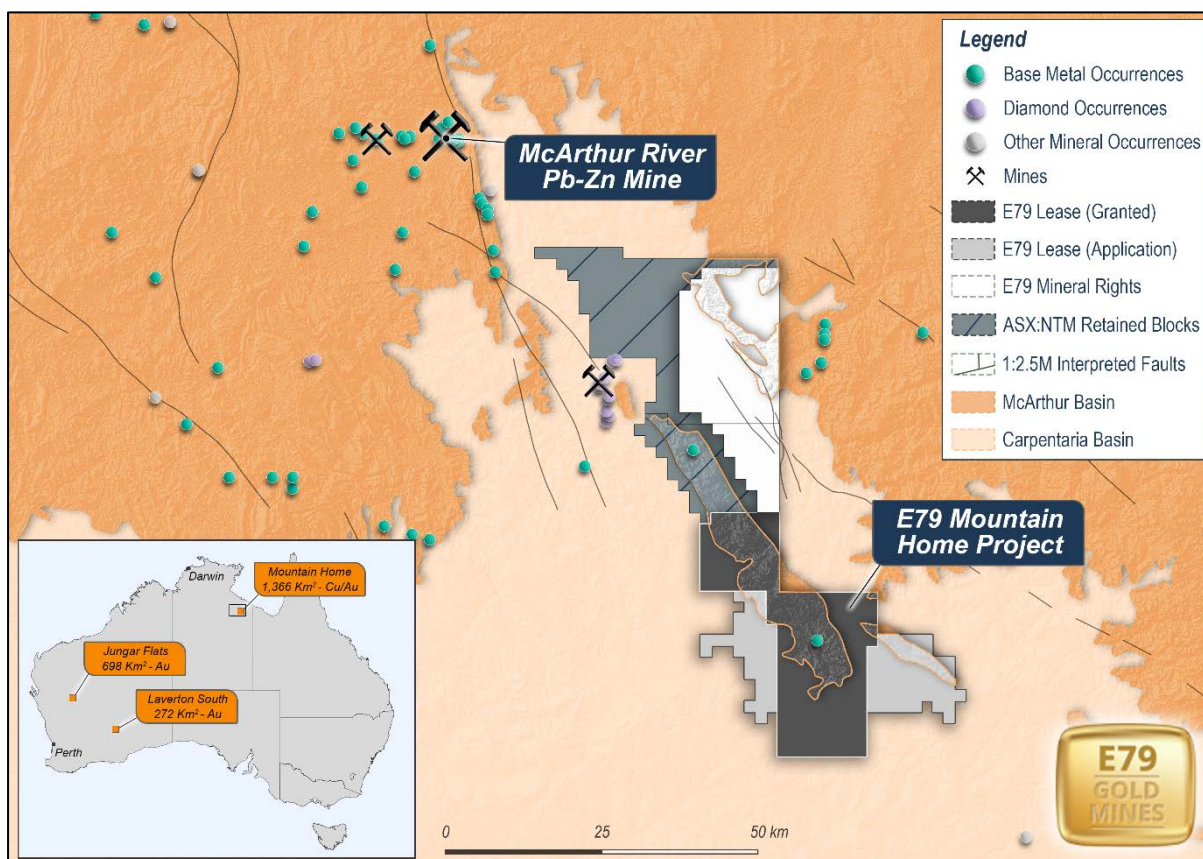
<sup>6</sup> Refer to Carl Brauhart MEGWA presentation <https://www.youtube.com/watch?v=HQFWxxFIIGQ>

<sup>7</sup> Refer to E79 Gold Mines Limited ASX Announcement 10 June 2025

Drilling will focus on the prospective dolostone unit outlined by previous sampling programs<sup>8</sup>, where selective rock chip sampling returned high-grade<sup>9,10</sup> copper, gold and bismuth assays such as:

- MHR0010 – **45.5% Cu, 0.08 g/t Au, 0.03% Bi**
- MHR0008 – **0.11% Cu, 11.75 g/t Au, 0.00% Bi**
- MHR0024 – **7.83% Cu, 0.04g/t Au, 9.09% Bi**

Under the conditions of the GDC funding all work is to be undertaken in 2025, with funding flowing back to companies after the completion of the work programs.

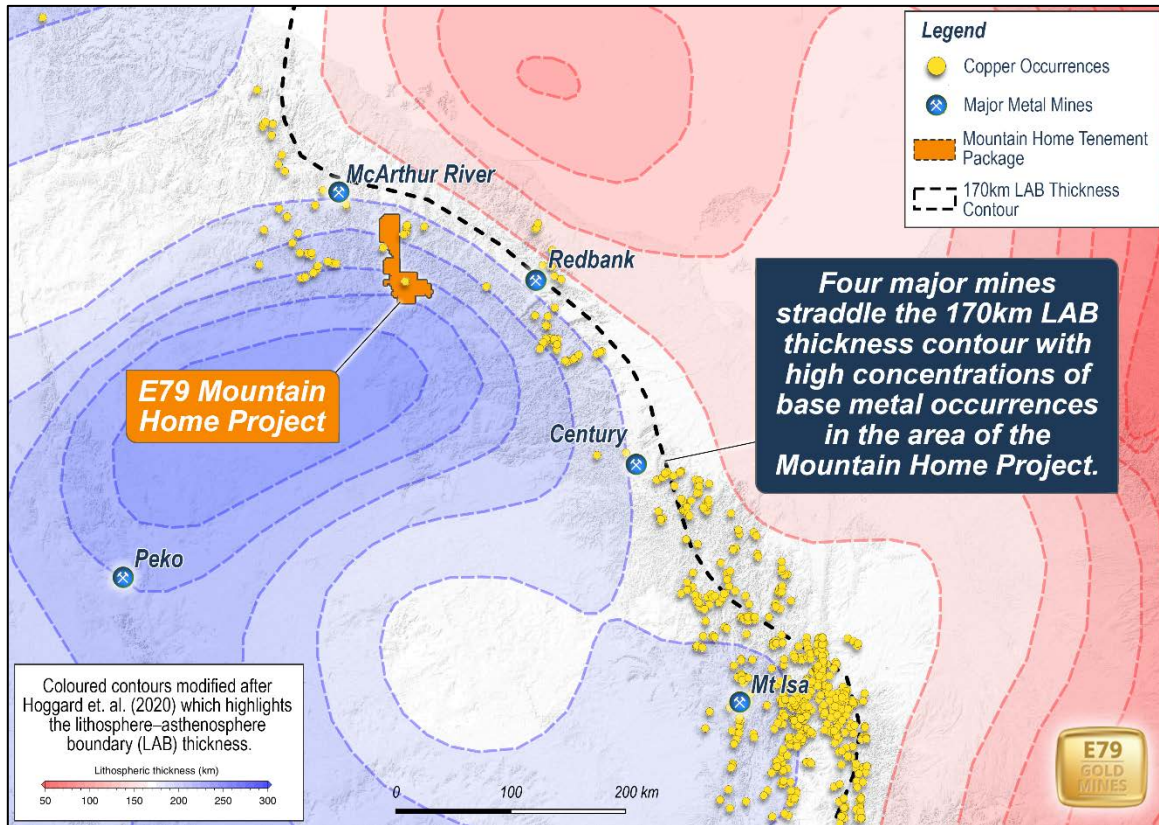


**Figure 2.** Location map of the Mountain Home Project outlining the McArthur and Carpentaria Basins.

<sup>8</sup> Refer to E79 Gold Mines Limited ASX Announcement 30 October 2024

<sup>9</sup> Refer to E79 Gold Mines Limited ASX Announcement 26 July 2024

<sup>10</sup> Refer to E79 Gold Mines Limited ASX Announcement 20 November 2024



**Figure 3:** Location map of known copper occurrences along the 170km LAB contour.

## Murchison Project

### Jungar Flats

In February 2024, E79 Gold entered into an earn-in and joint venture agreement with Scorpion Minerals for the Jungar Flats Project<sup>11</sup>. This agreement allows E79 Gold to technically and financially focus on other near-term discovery opportunities at Laverton South and Mountain Home.

## Projects Review

E79 Gold continues to review and assess opportunities that suit its exploration strategy.

<sup>11</sup> Refer to E79 Gold Mines Limited ASX Announcement 2 February 2025



## Corporate

As at the end of the Quarter, cash totalled \$2.11 million. E79 Gold remains well-funded to progress significant exploration programs.

In February 2025, E79 Gold announced it has received binding commitments for a Placement to raise \$1.8 million, at \$0.032 per share. One (1) free unlisted Placement Option was issued on 2 April 2025 for every two (2) Placement Shares exercisable at \$0.07 with an expiry of 30 June 2026, after shareholder approval at a General Meeting held on 28 March 2025 (total of 32,124,968 unlisted options including broker options).

The Placement took place in two tranches:

- Tranche 1 raising \$817k via the issue of 25,540,658 New Shares on 25 February 2025; and
- Tranche 2 raising \$983k via the issue of 30,709,342 New Shares on 2 April 2025.

### *Additional ASX Information*

- Exploration expenditure during the quarter was \$373,000 excluding staff costs. Full details of exploration activity during the quarter are included in this Quarterly Activities Report.
- There were no mining production and development activities during the quarter.
- Payments to related parties of the Company and their associates during the quarter was \$36,237. This consists of non-executive directors' fees and superannuation.

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

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Ned Summerhayes'.

**Ned Summerhayes**  
**Chief Executive Officer**

*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 CEO of E79 Gold Mines Limited.

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## Appendix 1: Tenement Information

Lease	Location (Australia)	Area (km <sup>2</sup> )	Status	% Interest at start of Quarter	% Interest at end of Quarter
<b>Murchison Project<sup>+</sup></b>					
E 51/1975	Jungar Flats, WA	211.3	LIVE	100	100
E 51/1803	Jungar Flats, WA	55.0	LIVE	100	100
E 20/0926	Jungar Flats, WA	12.2	LIVE	100	100
E 51/1848	Jungar Flats, WA	21.4	LIVE	100	100
E 51/2122	Jungar Flats, WA	82.5	LIVE	100	100
E 51/1681*	Jungar Flats, WA	122.4	LIVE	100*	100*
E 51/2173	Jungar Flats, WA	61.3	LIVE	100	100
E 51/2174	Jungar Flats, WA	131.7	LIVE	100	100
<b>Laverton South Project</b>					
E 28/2659	Lake Yindana, WA	124.1	LIVE	100	100
E 28/3239	Lake Yindana, WA	8.9	LIVE	100	100
E 31/1082	Pinjin, WA	20.8	LIVE	100	100
E 31/1005	Pinjin, WA	5.9	LIVE	100	100
E 31/1056	Pinjin, WA	65.2	LIVE	100	100
E 28/2375	Pinjin, WA	32.6	LIVE	100	100
E 28/2283	Pinjin, WA	3.0	LIVE	100	100
E 28/2284	Pinjin, WA	5.9	LIVE	100	100
E 31/1007	Pinjin, WA	3.0	LIVE	100	100
E 31/0999	Pinjin, WA	3.0	LIVE	100	100
<b>Mountain Home Project</b>					
EL32470	McArthur, NT	574.4	LIVE	Option	100
EL33886	McArthur, NT	170.0	PENDING	100	100
EL33887	McArthur, NT	123.6	PENDING	100	100
EL32466#	McArthur, NT	396.6	LIVE	0	100
EL32467#	McArthur, NT	101.5	LIVE	0	100

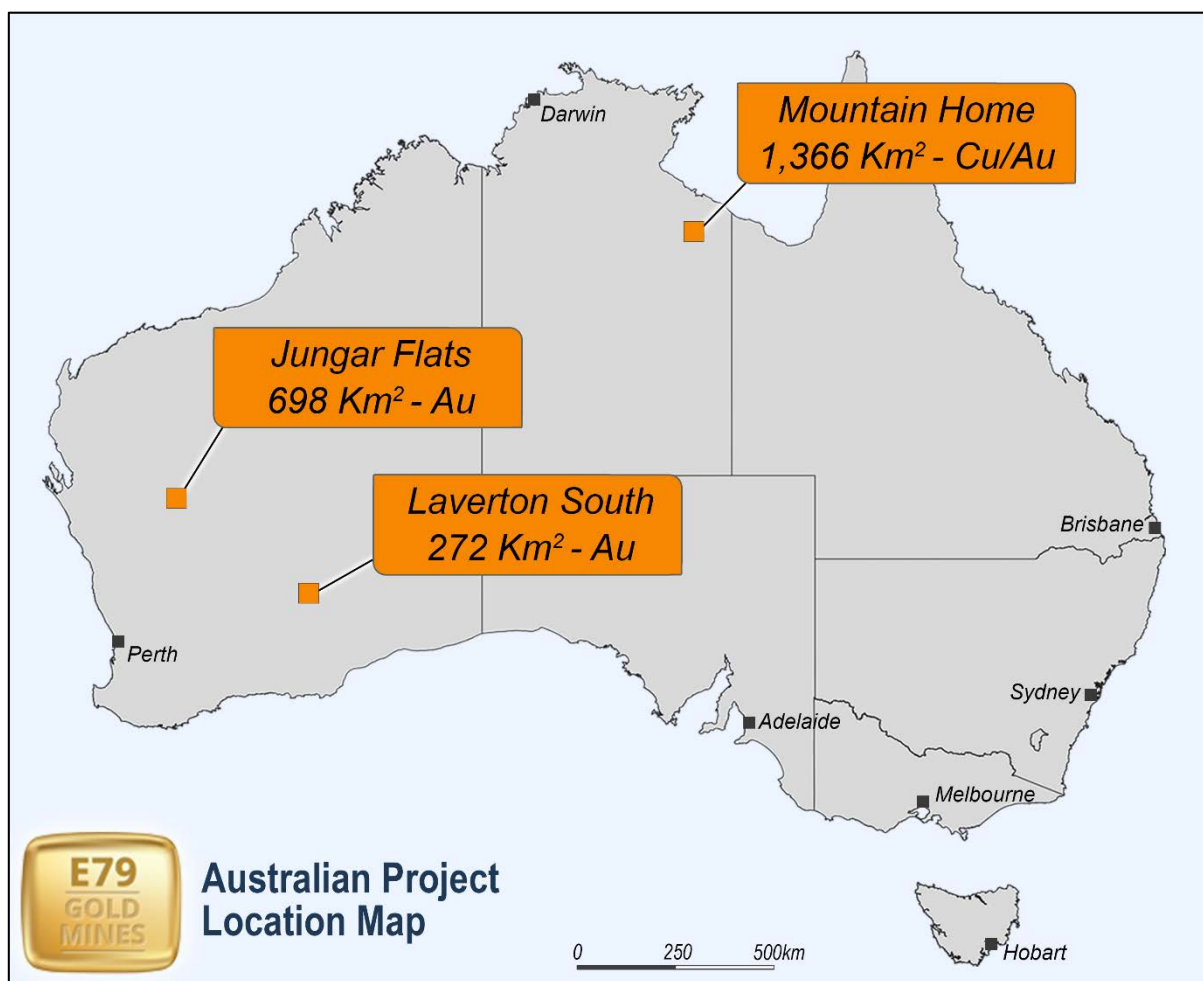
<sup>+</sup> E79 Gold entered into a earn-in and JV agreement over the Murchison Project in February 2025

\* E79 Gold holds mineral rights (excluding iron rights)

# E79 Gold owns mineral rights over excised portions

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

E79 Gold's Projects comprise ~2,336km<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>12</sup> and is prospective for copper, gold and diamonds, and within the Laverton Tectonic Zone and Murchison Goldfields, that are 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>13</sup> allowing E79 Gold to focus on the gold discovery potential in the Laverton South Project and focus on the Mountain Home Project.



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

<sup>12</sup> Huston et al, 2023, Zinc on the edge, Mineralium Deposita 58 (707-729)

<sup>13</sup> See ASX announcement 14 February 2025