




## New Priority Drill Targets Identified at Laverton South Adjacent to New Gold Discovery

Emerging gold discovery on E79's tenement boundary with KalGold

-  Recent drilling by Kalgoorlie Gold Mining Ltd (KalGold) (ASX: KAL) on an adjoining tenement to E79 Gold's Laverton South Project highlights a potential emerging gold discovery, called Lighthouse.
-  Recently announced drilling results by KalGold have returned thick, shallow zones of gold mineralisation with results including<sup>1,2</sup>:
  - 8m @ 2.29g/t Au from 60m (KGAC24045) – located ~40m from the E79 Gold/KalGold tenement boundary; and
  - 17m @ 4.81g/t Au from 48m (KGAC24152) – ~550m from the E79 Gold/KalGold tenement boundary.
-  Structural trends, host stratigraphy and drill targets strike towards E79 Gold-owned tenements, where there has been no drilling to date.
-  Planning is underway for aircore drilling to drill test the newly identified targets on the E79 Gold tenure late in the March Quarter.

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

**E79 Gold CEO, Ned Summerhayes, said:** *"The great work done by KalGold to make the greenfields Lighthouse gold discovery is very exciting for E79 Gold, with shallow intercepts of strong gold grades in drilling so close to our tenement boundary and the two main extensions to the mineralisation interpreted by KalGold both trending onto*

<sup>1</sup> Refer to Kal Gold ASX Announcement 18 December 2024

<sup>2</sup> Refer to Kal Gold ASX Announcement 7 February 2025

### ASX Code: E79

Shares on issue: 102M

Market capitalisation: \$3.4M

Cash: \$1.46M (31 December 2024)

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*our tenure. There is no drilling on our side of the tenement boundary and, in light of this exciting breakthrough, we will move quickly to drill test these walk-up targets."*

## Laverton South Projects

### Lake Yindana (100%) and Pinjin (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>3</sup>.

Neighbouring company, Kalgoorlie Gold Mining Ltd (ASX: KAL) (KalGold) has recently released significant assay results from drilling at an emerging greenfields gold discovery called Lighthouse, in a structure parallel to the LTZ.

The discovery sits to the west of KalGold's Kirgella Gift/Providence deposits (2.34Mt @ 1.0g/t Au for 76,400 ounces<sup>4</sup>) and to the immediate east of E79 Gold's tenure, see Figure 1).

The discovery holes at Lighthouse are interpreted by KalGold to define a zone of mineralisation up to 600m long and 200m wide under transported cover, which is open both at depth and along strike. This new 'blind' discovery sits between 40m and 550m east of E79 Gold's Pinjin Project.

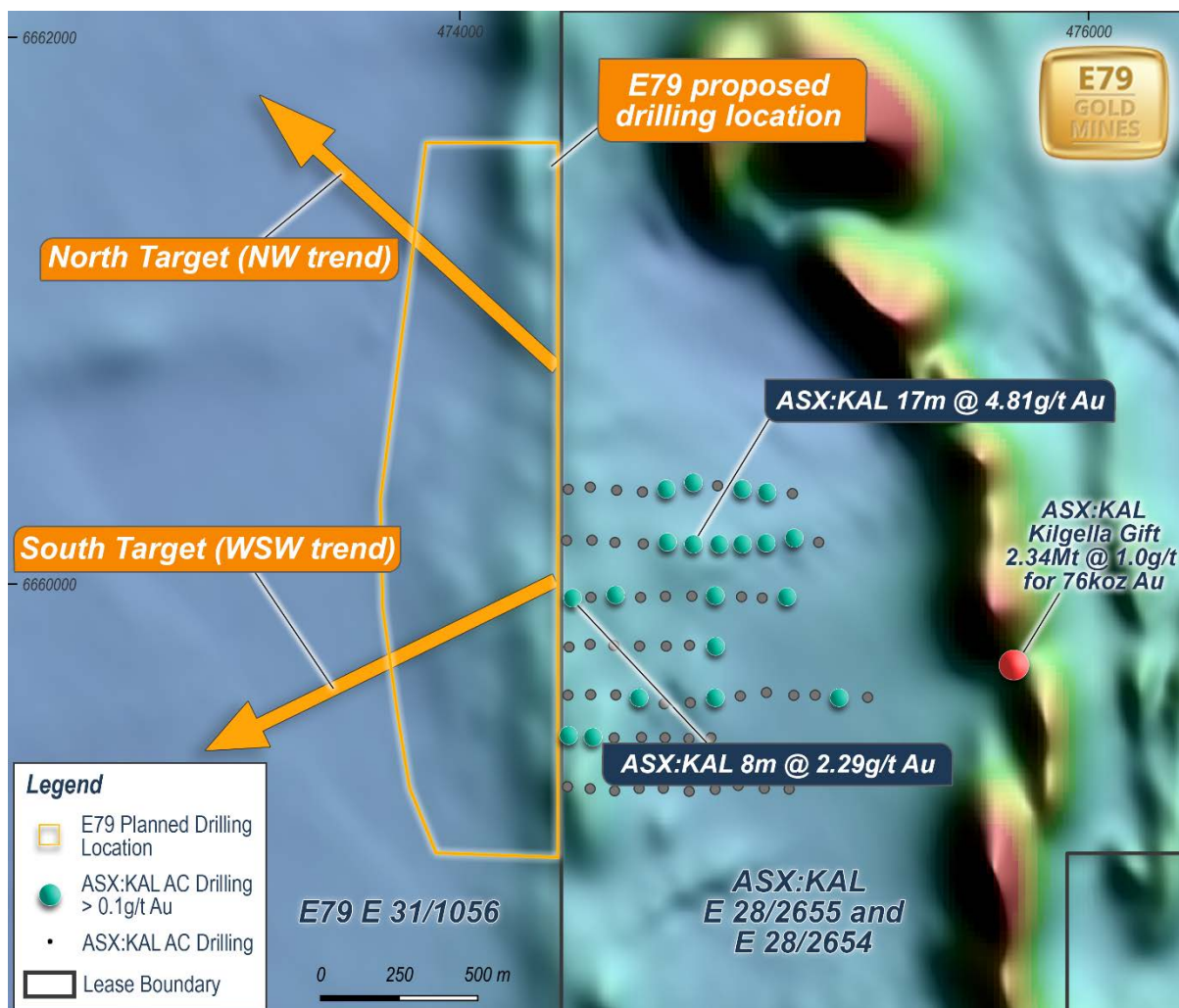
The main Lighthouse mineralised structure trends north-west into E79 Gold's tenure, creating the North Target (see Figure 1), which sits in a zone of structural complexity with a structural offset and interpreted demagnetisation evident in the regional aeromagnetic data. There has been no historic drilling over the North Target in E79 Gold's tenure.

A second cross-cutting mineralised structure strikes south-west, creating the South Target. The regional aeromagnetic data shows this south-west trending zone extending into the E79 Gold tenure, where again there has been no previous drilling in E79 Gold's tenure.

Both of these targets will be the focus of an upcoming aircore (AC) program at the Laverton South Project, planned for the end of the March Quarter.

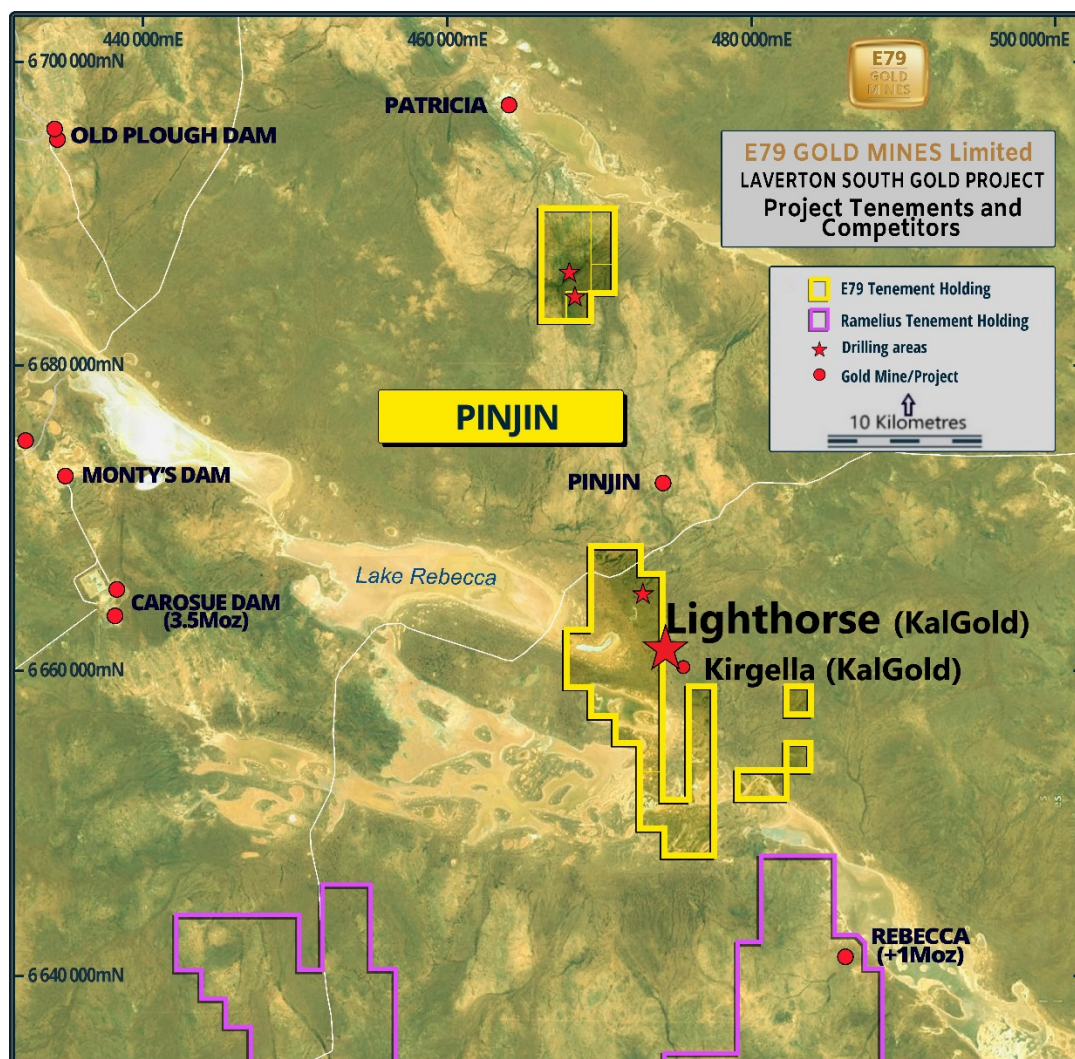
<sup>3</sup> Refer to E79 Gold Prospectus dated 17 August 2021

<sup>4</sup> Refer to Kalgoorlie Gold Mining ASX Announcement 25 July 2024



**Figure 1.** Map showing emerging Lighthouse discovery in proximity to E79 tenure.





**Figure 2.** Tenement location map of E79 Gold's Pinjin Project with location of the new Lighthouse discovery made by KalGold.

## Northern Territory Project

### Mountain Home (EL32470 – NT Minerals Option), EL33886 and EL33887 - 100% E79)

E79 Gold controls an area of 868km<sup>2</sup> within the highly prolific McArthur Basin in the Northern Territory. The Project covers inliers of highly prospective lithology of the McArthur Basin, within the younger Carpentaria Basin. Within the project, the MH Gossan has returned high-grade copper, gold and bismuth assays from rock chips along it's 1,000m outcropping strike. Rock chip assay results include values of up to 45.5% copper, 11.75 g/t gold and 9.09% bismuth<sup>5</sup>.

<sup>5</sup> Refer to E79 Gold Mines ASX announcements 20 November 2024 and 26 July 2024



E79 Gold is advancing preparations to undertake initial drilling under the MH Gossan, with regulatory approvals well underway, with drilling planned in the upcoming dry season (May-November).

## Projects Review

E79 Gold continues to review and assess opportunities that fit in with its exploration strategy.

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.

**For Further Information, please contact:**

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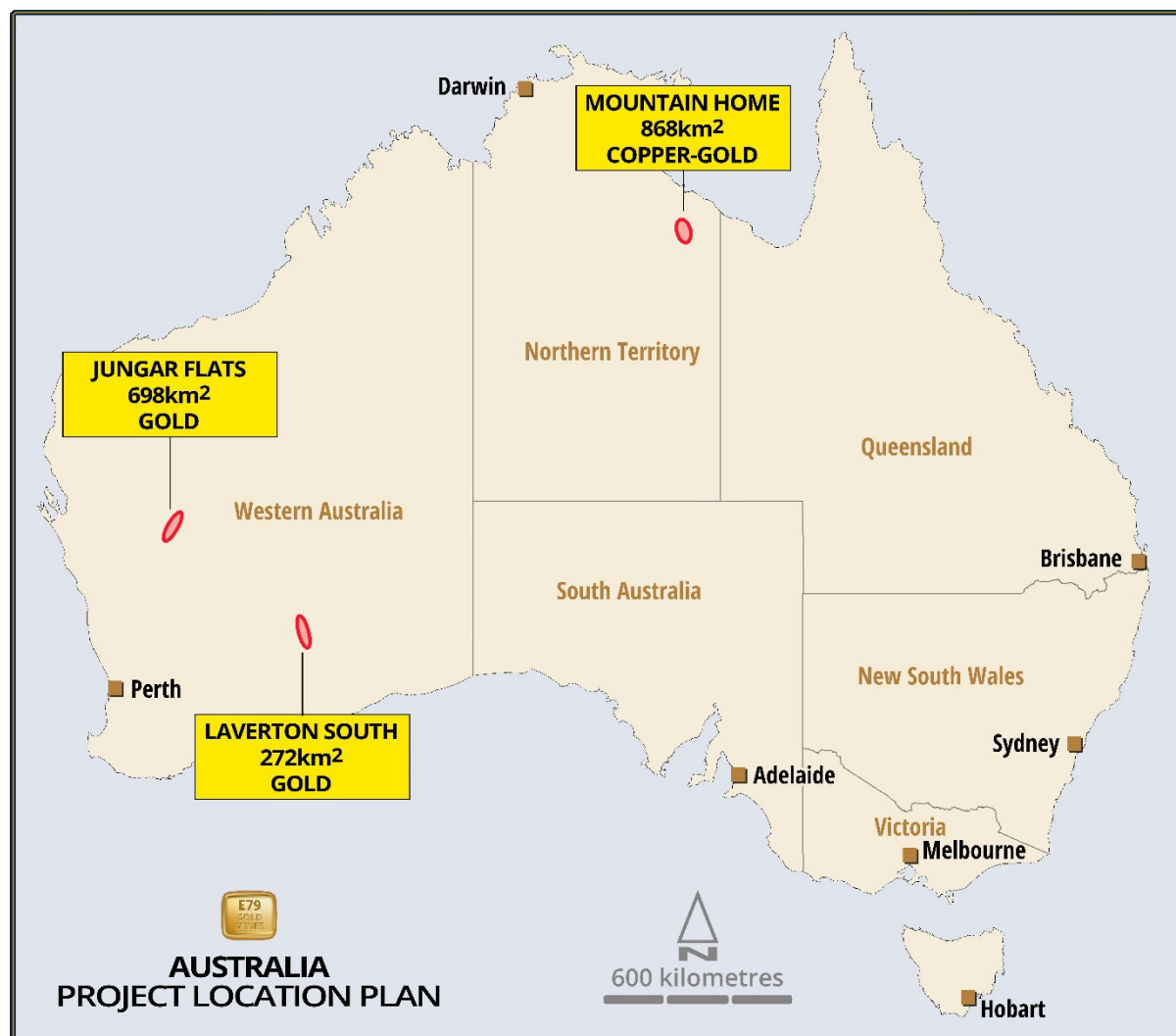
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## ABOUT E79 GOLD MINES LIMITED (ASX: E79)

E79 Gold's Projects (Figure 3) comprise ~1,838km<sup>2</sup> of highly prospective ground including within the McArthur Basin of the Northern Territory, which is the world's largest accumulation of Zn-Pb<sup>6</sup> and is prospective for copper, gold and diamonds, and within the Laverton Tectonic Zone and Murchison Goldfields, both of which are endowed with >30 million ounces of gold and located within the Yilgarn Craton of Western Australia.



**Figure 3:** Map of E79 Gold's exploration projects

<sup>6</sup> Huston et al, 2023, Zinc on the edge, Mineralium Deposita 58 (707-729)