




Major New Air-core Drill Program Commences to Test Multiple Gold Targets at Laverton South

5,000m in-fill and extensional air-core program underway

-  **An in-fill air-core program has commenced at Pinjin within the Laverton South Project, following up extensive gold anomalism delineated in recent air-core drilling.**
-  **Two additional high-priority regional air-core programs will commence immediately after the in-fill program, testing structural targets identified from geophysics.**
-  **Drilling of the three air-core programs is expected to be completed in June, with assay results expected in July.**

West Australian-based explorer E79 Gold Mines Limited (**ASX: E79**) ('E79 Gold' or 'the Company') is pleased to advise that a new phase of in-fill and regional air-core (AC) drilling has commenced at its Laverton South Gold Project (Figure 1) in WA.

E79 Gold CEO, Ned Summerhayes, said: *"The AC rig has returned to follow up the 700m long gold anomaly, located immediately west of Kalgoorlie Gold Mining Limited's (KalGold's) emerging Lighthorse discovery. The previous drilling results have led us to focus in on this favourable structural position. Following this infill work, the rig will move on to test two other regional targets identified in the recent geophysical and project review of the area."*

Laverton South Gold Projects

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

The Laverton South Project, with an area of 272km², covers a southern portion of the Laverton Tectonic Zone ('LTZ') approximately 130km east-northeast of

ASX Code: E79

Shares on issue: 158.4M

Market capitalisation: \$2.7M

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

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Kalgoorlie, within the major gold producing Archean Yilgarn Craton of Western Australia.

The new in-fill air-core program will reduce the wide-spaced initial program to 40m hole spacing, while also testing for a southern extension to the low-level gold anomalism identified in the initial program¹.

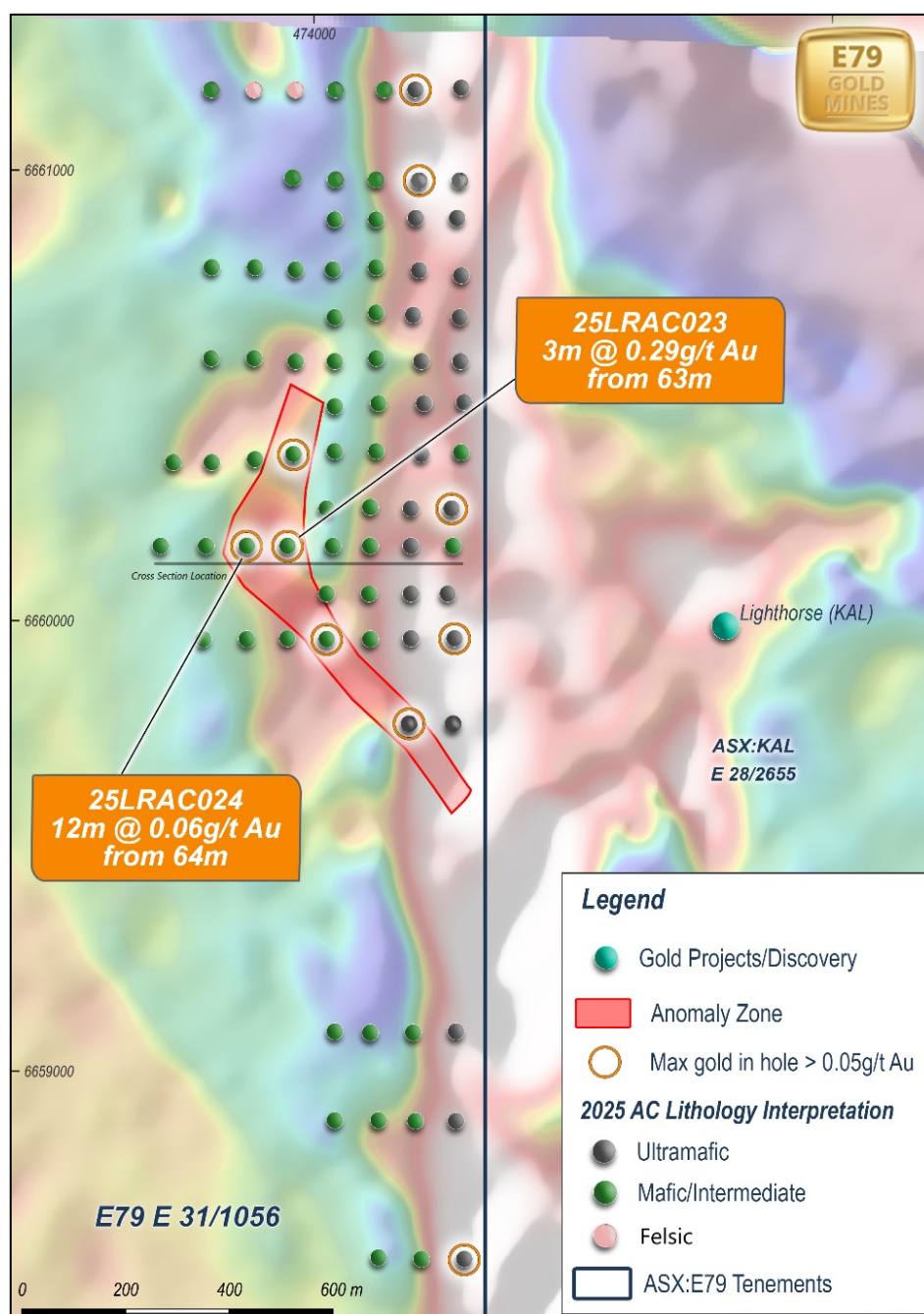


Figure 1. Map of aircore holes over magnetics. The red anomaly zone is the focus for the infill drill program

¹ Refer to E79 Gold Mines Limited ASX Announcement 21 May 2025

The newly identified gold anomaly sits within a structural position that was interpreted as being potentially prospective during a recent regional geophysical review undertaken by E79 Gold, with strong de-magnetisation apparent in the recently re-processed aeromagnetic data² (Figure 1).

While recently completed aircore drilling over this structural position returned moderate gold anomalous intercepts of up to 3m at 0.29g/t Au¹, it is worth noting that with some 40-50m or more of transported paleochannel material in the area, the aircore drill holes are effectively testing on average, less than 20m of bedrock. With -60 degree angled holes and an 80m collar spacing, effectively the drill holes have tested <15% of the lateral extent of bedrock (Figure 2). Additionally, in this locality, the bedrock sequence is largely stripped precluding well-developed geochemical dispersion in the weathering profile. All of these factors combine to support a compelling and coherent gold anomaly over a number of 200m-spaced drill lines that warrants in-fill aircore drilling.

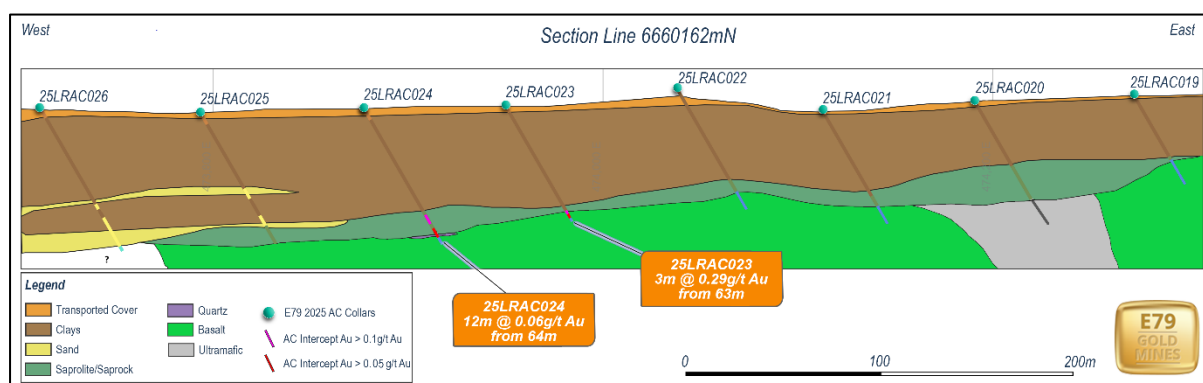


Figure 2. Cross section of drill line 6660162mN

Following completion of the in-fill program, E79 Gold will move on to drill test two other high-priority targets identified from the regional data review and geophysical re-processing³ (Figure 3).

Target 1 – This target sits in a zone of structural complexity with the recently re-processed 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.

² Refer to E79 Gold Mines Limited ASX Announcement 15 May 2025

³ Refer to E79 Gold ASX Announcement 15 May 2025

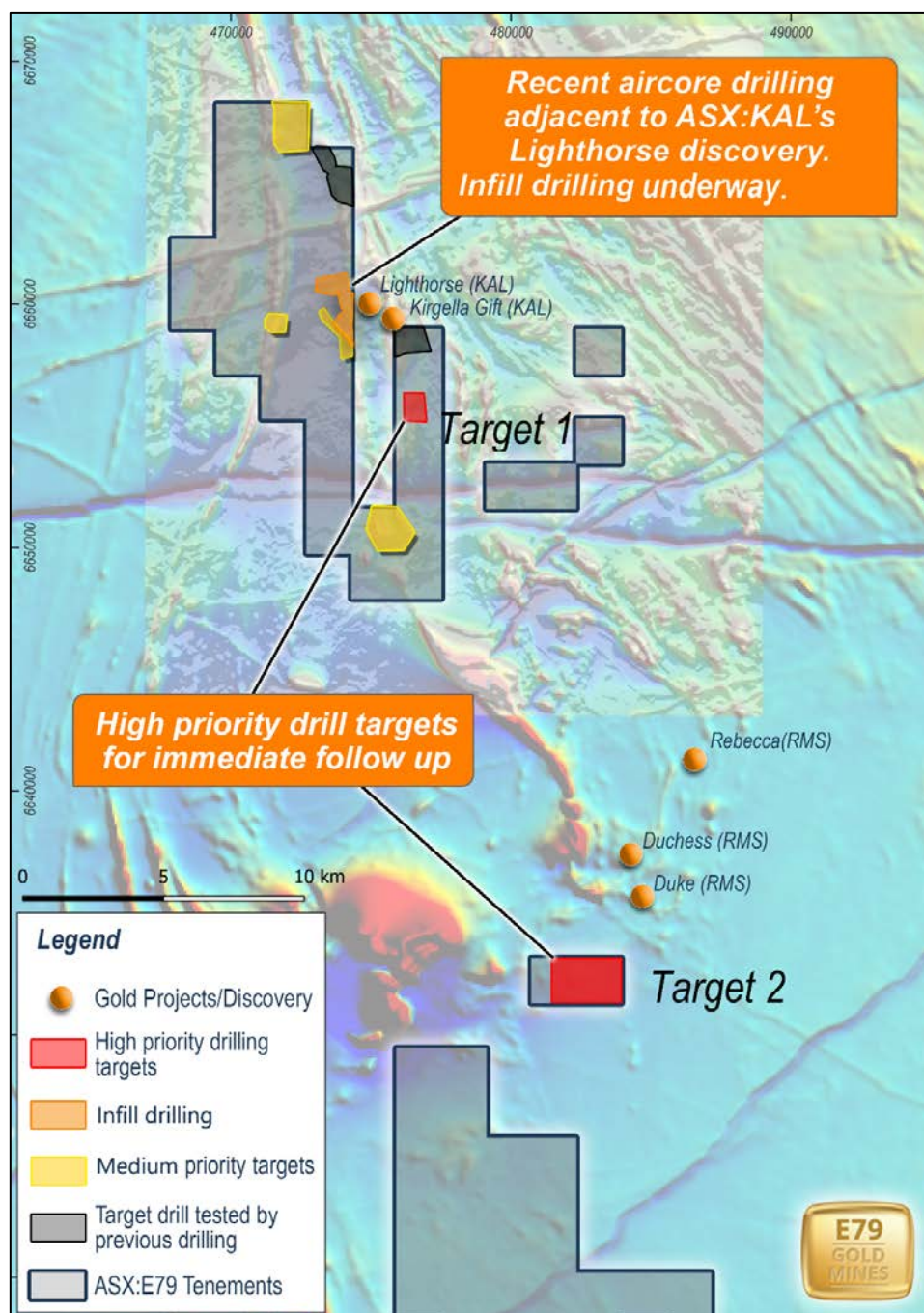


Figure 3. Map of priority drill targets over regional and reprocessed magnetics

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.

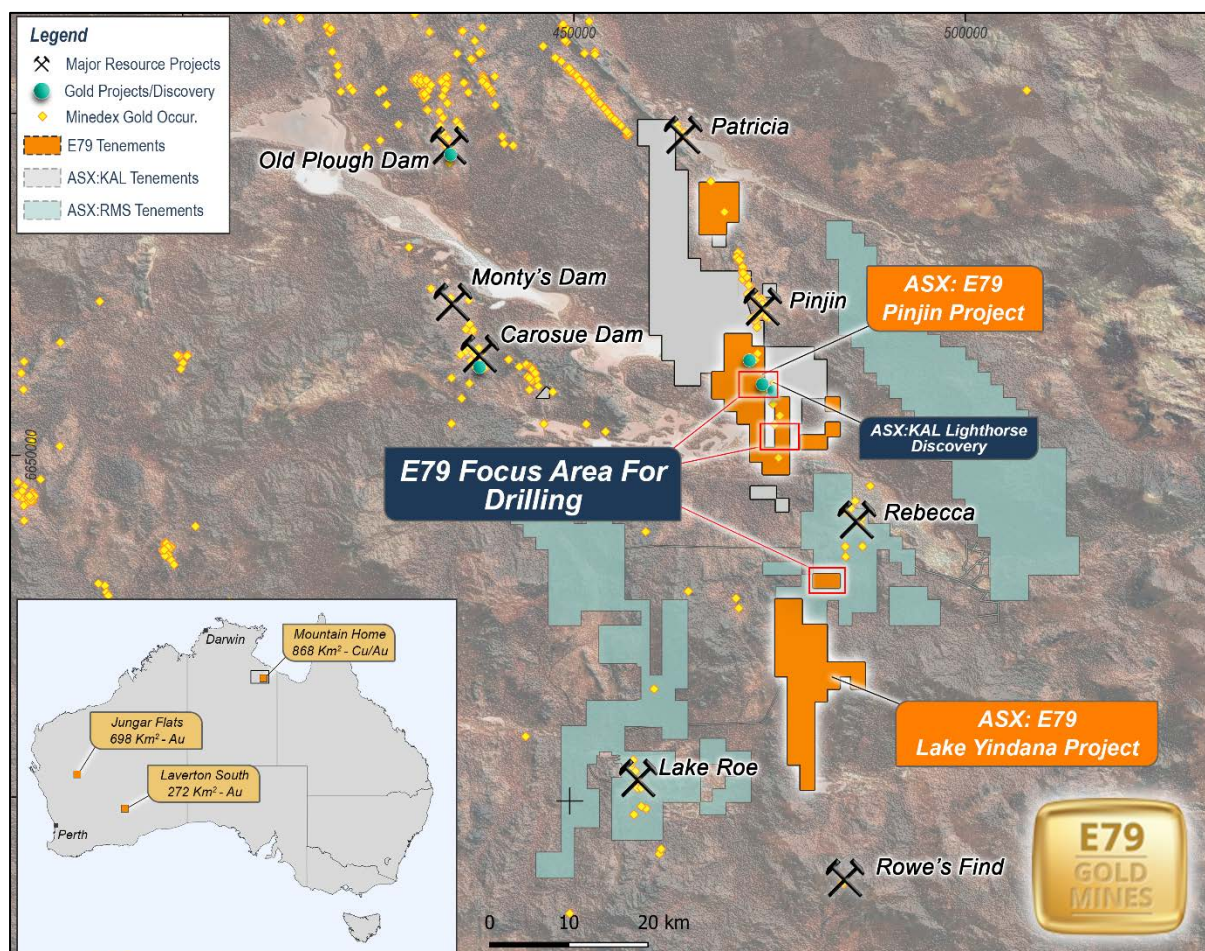


Figure 4. Map of the Laverton South Gold Project.

E79 Gold is focusing on near-term discovery opportunities at the Laverton South Gold Project in WA (Figure 4) and the Mountain Home Cu-Au-Bi Project in the Northern Territory.

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

Yours sincerely,



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

E79 Gold's Projects (Figure 5) 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 Minerals⁴ allowing E79 Gold to focus on the gold discovery potential in the Laverton South Project.

Additionally, E79 Gold holds ~1,838km² of highly prospective ground including within the McArthur Basin of the Northern Territory, the world's largest accumulation of Zn-Pb⁵, and is prospective for copper, gold, bismuth and diamonds.

⁴ See ASX announcement 14 February 2025

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

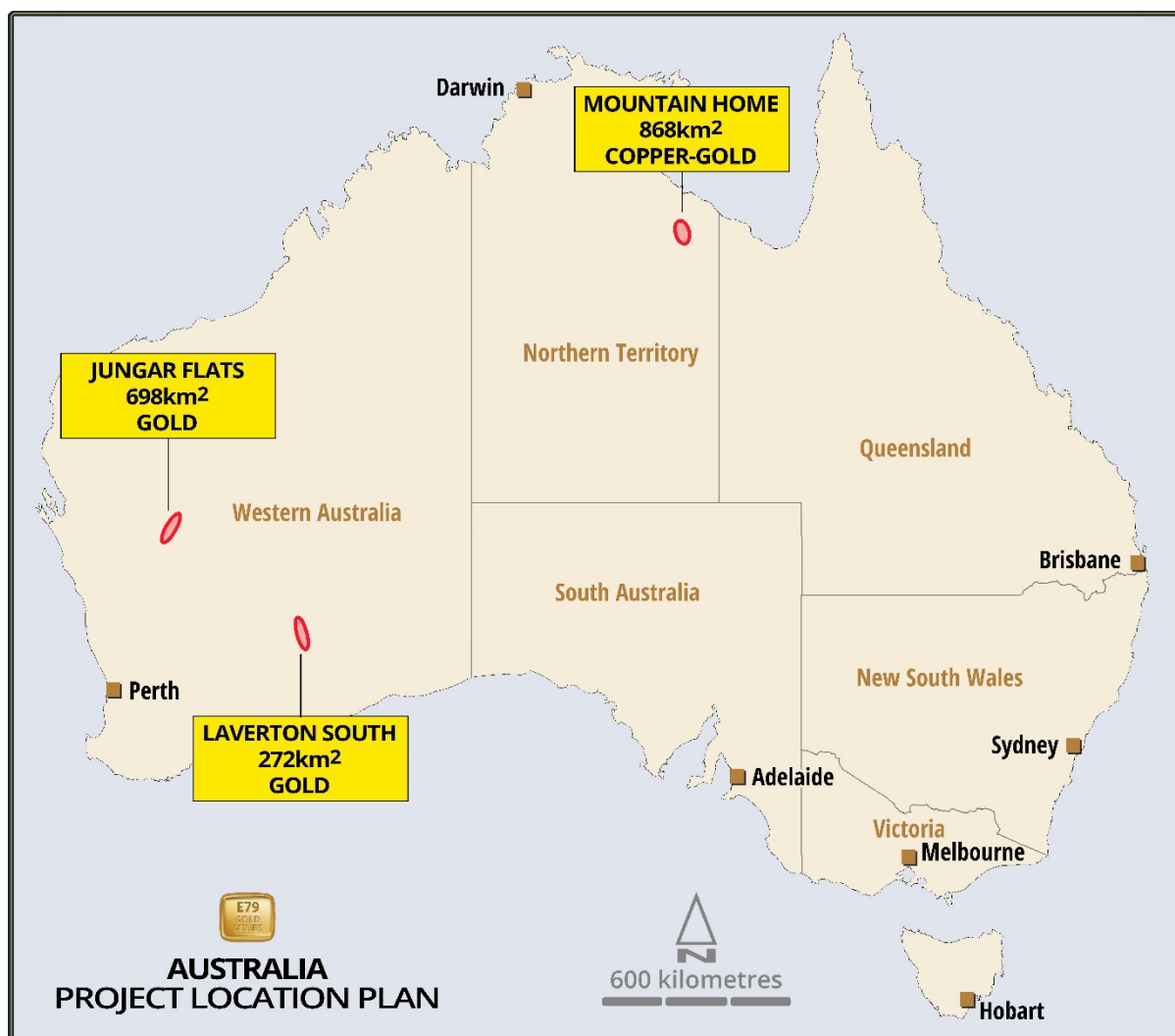


Figure 5: Map of E79 Gold's exploration projects