



14 July 2025

ASX ANNOUNCEMENT

GOLD RC DRILL PROGRAM COMMENCES AT MIRIAM

Highlights

- Reverse Circulation (RC) drilling has commenced at Miriam Project targeting gold mineralisation at Forrest and the newly defined Canyon prospect.
- Drilling programme scheduled to be completed during July, with first results expected in early September.
- Drilling at Forrest aims to confirm thickness and grade of identified gold lodes, test dip and plunge extensions, and explore potential extensions to the north-east and south-west, following encouraging historical drilling intercepted of¹:
 - 12m @ 2.09 g/t Au from 60m (MRC97-15)
 - 10m @ 2.51 g/t Au from 30m (FGA002)
 - 10m @ 2.09 g/t Au from 30m and 4m @ 4.86 g/t Au from 73m (MRC97-5)
 - 5m @ 7.35 g/t Au from 70m (MRC97-25)
- Detailed geological logging at Forrest to support refinement of Miriam's geological model, with Forrest targeted to be advanced to initial Mineral Resource Estimate (MRE) status in early Q4 CY2025.
- Drilling at Canyon will target the 1.75km structural target sitting along strike from and possessing similar geophysical attributes to the Forrest prospect.
- FBM remains well-funded to execute this programme, along with all other planned exploration activities through 2025 and beyond.²

Future Battery Minerals Ltd (ASX: FBM) (FBM or the **Company**) is pleased to advise that it has commenced an initial RC drilling programme at its 100%-owned Miriam Project, located in the W.A. Goldfields region of Western Australia.

FBM Managing Director and CEO, Nick Rathjen, commented:

"The commencement of gold drilling at Miriam represents a significant milestone for FBM. This initial RC programme is underpinned by a substantial body of collative and technical work over the past few months ranging across desktop surveying, historical geological review, magnetic geophysical evaluation, and soil sampling. Our team has worked to build Miriam into a highly prospective gold exploration asset with a growing pipeline of high-quality targets that we will continue to assess and grow over the remainder of 2025."

"Drilling will initially focus on Forrest with the aim of producing new gold intersections that complement the existing suite of historical results, as well as demonstrating extensions of the previously identified mineralisation. To the south, we are excited to begin testing Canyon, a 1.75km long structural target that has rapidly emerged as a high priority given extensive coincident gold anomalism in soils. We also continue to advance several other prospective gold targets at Miriam, for potential drill testing later this year."

¹ Refer to FBM ASX releases dated 19 May 2025 and 27 May 2025

² Refer to FBM March 2025 Quarterly Report dated 24 April 2025

Initial RC drilling to target recently defined gold prospectivity at Miriam

FBM has now commenced a 1,500m RC drill programme at the Miriam Project, targeting gold mineralisation at Forrest and the newly defined Canyon prospect (located approx. 1km south of Forrest).

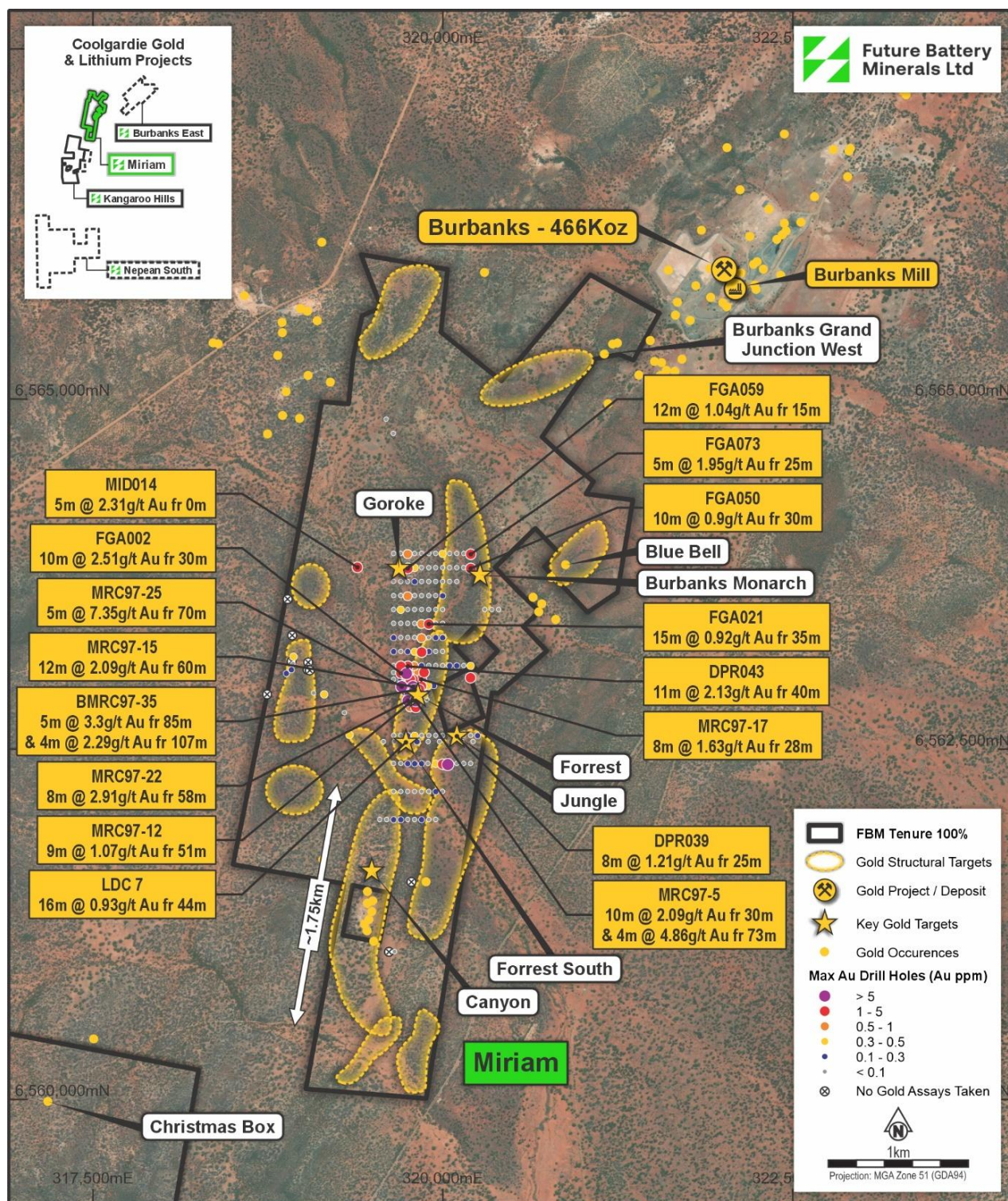


Figure 1: Miriam Project Historical Drill Hole Locations And Key Prospects Map

Forrest

The Forrest prospect is the primary focus of FBM's RC drilling programme. The Company aims to confirm the thickness and grade of gold lodes previously identified in historical drilling, and to test potential dip and plunge extensions. Drilling will also test the potential for extensions of mineralisation to the north-east and south-west.

Historical drilling at Forrest was conducted in the late 1990's where multiple flat-lying lodes of gold mineralisation were discovered within regolith and bed rock. Mineralisation is consistent over a strike length greater than 600m with near surface intersections.

Significant historical intersections include:³

- 12m @ 2.09 g/t Au from 60m (MRC97-15)
- 10m @ 2.51 g/t Au from 30m (FGA002)
- 10m @ 2.09 g/t Au from 30m and 4m @ 4.86 g/t Au from 73m (MRC97-5)
- 5m @ 7.35 g/t Au from 70m (MRC97-25)
- 8m @ 1.63 g/t Au from 28m (MRC97-17)
- 9m @ 1.07 g/t Au from 51m (MRC97-12)

The historical data compiled by FBM notably lacks detailed geological logging, which will be addressed in the Company's current program. The current drilling programme will greatly assist FBM in developing a robust geological and mineralisation model at the Miriam Project, as it looks to advance to an initial Mineral Resource Estimate (MRE) for Forrest later in 2025.

Canyon

The Canyon prospect is the other primary focus of the initial RC drilling at the Miriam Project. Canyon consists of a 1.75km structural target with similar geophysical attributes to, and sitting along strike from, Forrest. The target is also coincident with overlying elevated gold (>20 ppb Au) in soils. FBM's recently completed soil sampling at Miriam identified numerous high grade soil samples over 0.3 g/t Au, and up to 1.25 g/t Au, at Canyon.⁴

Forward work programmes

Drilling is currently scheduled to be completed later in July 2025, with first results expected in early September 2025.

In parallel, FBM field personnel continue to conduct further ground truthing of the recently identified geochemical and structural anomalies at Miriam in preparation for drill testing of other priority targets in future exploration programmes.

³ Refer to FBM ASX releases dated 19 May 2025 and 27 May 2025

⁴ Refer to FBM ASX releases dated 17 June 2025 and 25 June 2025

Miriam Project

The Miriam Project tenure covers a region of the Coolgardie Greenstone Belt overlying series of formations and structural trends that host multiple nearby gold deposits, including Horizon Minerals' Burbanks (466 koz @ 2.4 g/t Au), Beacon Minerals' McPhersons Reward (132 koz @ 1.2 g/t Au) and Focus Minerals' Tindals Mining Centre (2.7 Moz @ 1.8 g/t Au)⁵.

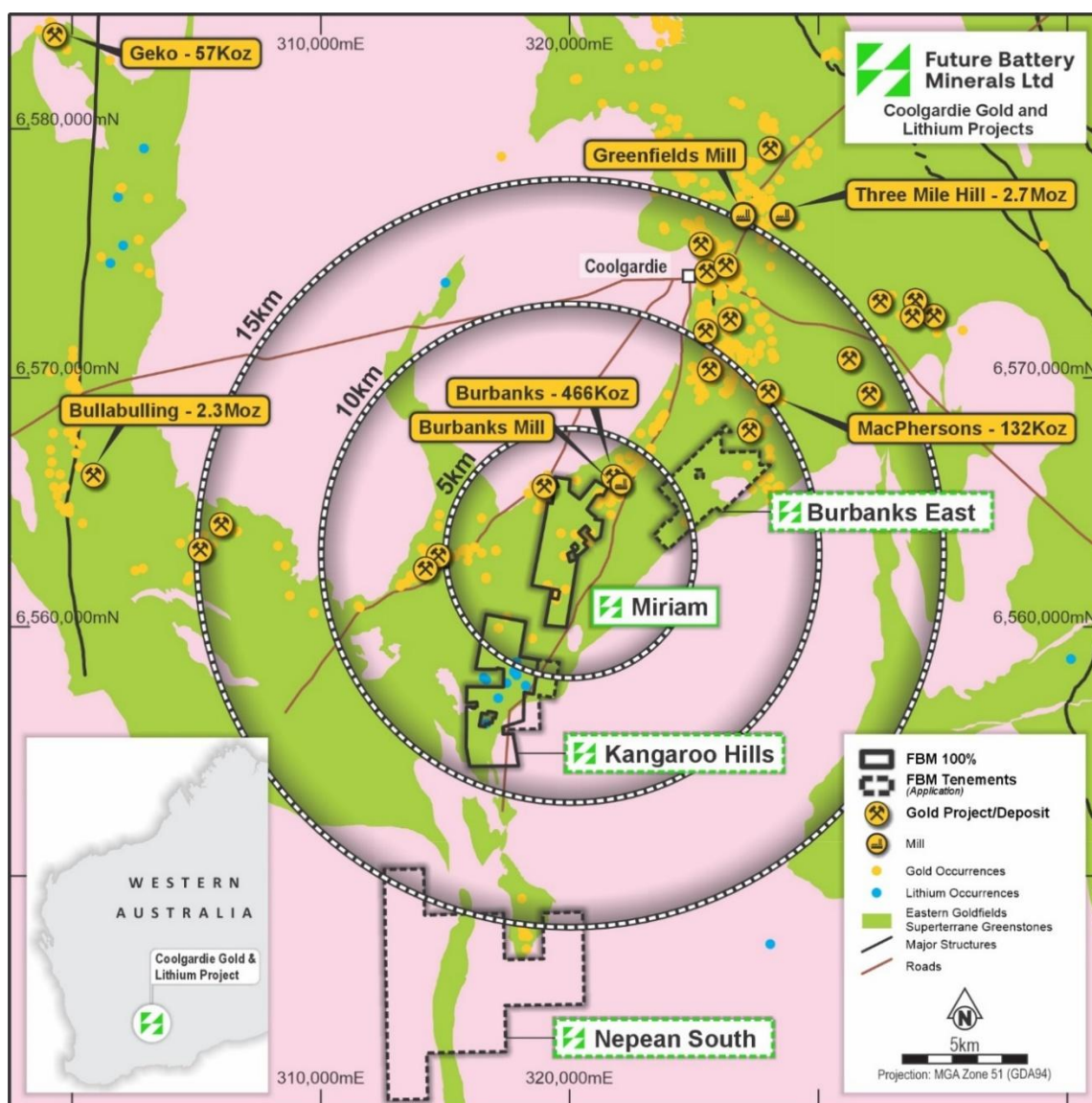


Figure 2: Regional Map of FBM's Coolgardie Projects and Other Nearby Operations

This announcement has been authorised for release by the Board of Directors of the Company.

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For further information visit www.futurebatteryminerals.com or contact:

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⁵ Three Mile Hill refer to Focus Minerals ASX Announcement dated 1st December 2023, MacPhersons and Geko refer to Beacon Minerals' Resource and Reserves. Burbanks refer to Horizon Minerals Reserves & Resources and Bullabulling refer to Minerals 260 ASX Announcement dated 14th January 2025

Competent Persons Statement

The information in this announcement that relates to exploration results is based on and fairly represents information compiled by Mr Robin Cox BSc (E.Geol), a Competent Person, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Cox is the Company's Chief Geologist and 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 Cox consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Future Battery Minerals Limited's planned exploration programme and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential", "should," and similar expressions are forward-looking statements. Although Future Battery Minerals Limited believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties, and no assurance can be given that actual results will be consistent with these forward-looking statements.

Previously Reported Results

The information in this announcement that relates to Exploration Results is extracted from the ASX announcements (Original Announcements), as referenced, which are available at www.futurebatteryminerals.com.au. FBM confirms that it is not aware of any new information or data that materially affects the information included in the Original Announcements and, that all material assumptions and technical parameters underpinning the estimates in the Original Announcements continue to apply and have not materially changed. FBM confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original announcement.



About Future Battery Minerals (ASX: FBM)

THE BUSINESS: Gold and lithium exploration and development

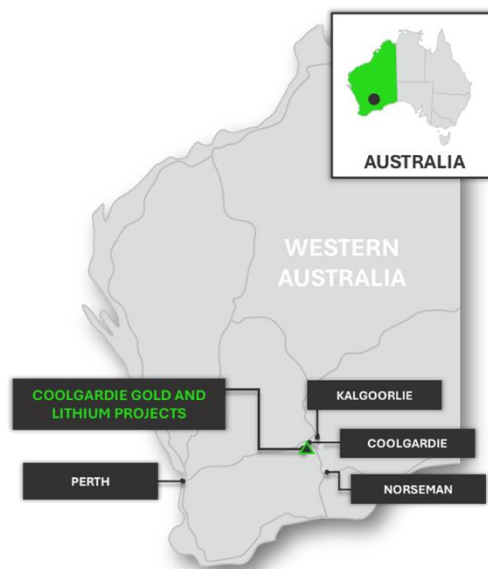
Future Battery Minerals (ASX: FBM) is an exploration and development company focused on rapidly advancing its world-class gold and lithium projects in the Eastern Goldfields of Western Australia.

THE LOCATION: Infrastructure-rich project setting

The Eastern W.A. Goldfields is an outstanding location in which to explore for, build, and operate gold and lithium mines. It is a long-established mining province with all the accompanying benefits, including all-year land access, skilled labour, mining services and infrastructure.

We are positioned just 15km south of the mining hub of Coolgardie (via sealed road), approximately 370km to the port of Esperance and approximately 550km to Perth via road and rail. We are proximal to multiple gold and lithium mining and processing operations and development projects of substantial scale.

This available range of potential commercialisation options, including standalone development, positions us well to monetise current and future success.



THE TEAM: Proven value generators

Our carefully assembled team has an extensive track record of exploration success, project stewardship, development expertise and operating excellence that has repeatedly resulted in the delivery of substantial shareholder value: Nick Rathjen (MD), Robin Cox (Technical Director), Nev Power (Chairman), Rob Waugh (NED).

THE CAPACITY: Balance sheet strength and runway

We are a business and team that is resolutely focussed on the stewardship of our shareholders' capital and the astute application of this capital for maximal return. With a cash balance of A\$7.4 million and zero debt (as at 31 March 2025), we are well-funded to undertake our planned exploration and evaluation work programs and business development activities.