

# ASX ANNOUNCEMENT



## SAM SURVEY UNDERWAY AT GIDJI JV GOLD PROJECT

- High-resolution Sub-Audio Magnetic survey underway at Gidji JV Gold Project
- Survey aims to map mineralised bedrock structures under the Gidji Paleochannel

**Miramar Resources Limited (ASX:M2R, “Miramar” or “the Company”)** advises that it has commissioned a high-resolution Sub-Audio Magnetic (SAM) geophysical survey over bedrock gold targets within the Gidji JV Gold Project.

Miramar’s 80%-owned Gidji JV Project (“Gidji” or “the Project”) is located approximately 15 kilometres north of Kalgoorlie and surrounded by multiple gold mining and processing operations, including Northern Star Resources Limited’s Kalgoorlie gold operations (Figure 1).

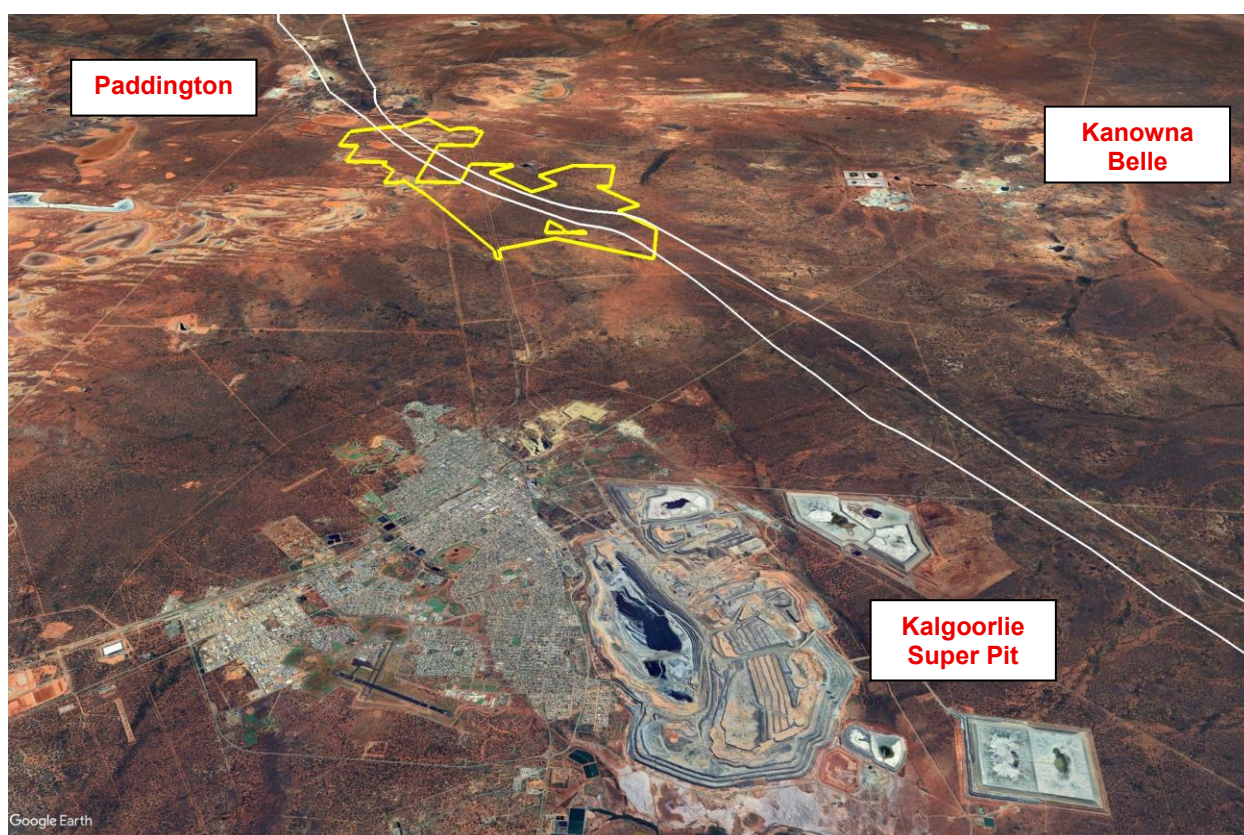
Miramar’s Executive Chairman, Mr Allan Kelly, said the aim of the SAM survey is to help map potentially mineralised bedrock structures beneath the Gidji Paleochannel (Figure 2).

*“The aircore drilling completed at Gidji has outlined a substantial amount of supergene gold mineralisation within the stripped weathering profile under the Gidji Paleochannel,” he said.*

*“We believe that supergene gold has come from one or more bedrock sources nearby,” he added.*

*“We also know from regional studies of gold deposits along the Boorara and Bardoc Shear Zones, that the mineralised structures within those deposits are usually offset to that of the main shear zone,” he added.*

*“The results of the SAM survey, combined with our existing drilling data, will be used to identify key bedrock structures and assist in refining targets for deeper drill testing,” he added.*



**Figure 1.** The Gidji JV Project (yellow outline) and the Boorara Shear Zone (white lines) in relation to Paddington, Kanowna Belle and the Kalgoorlie Super Pit.



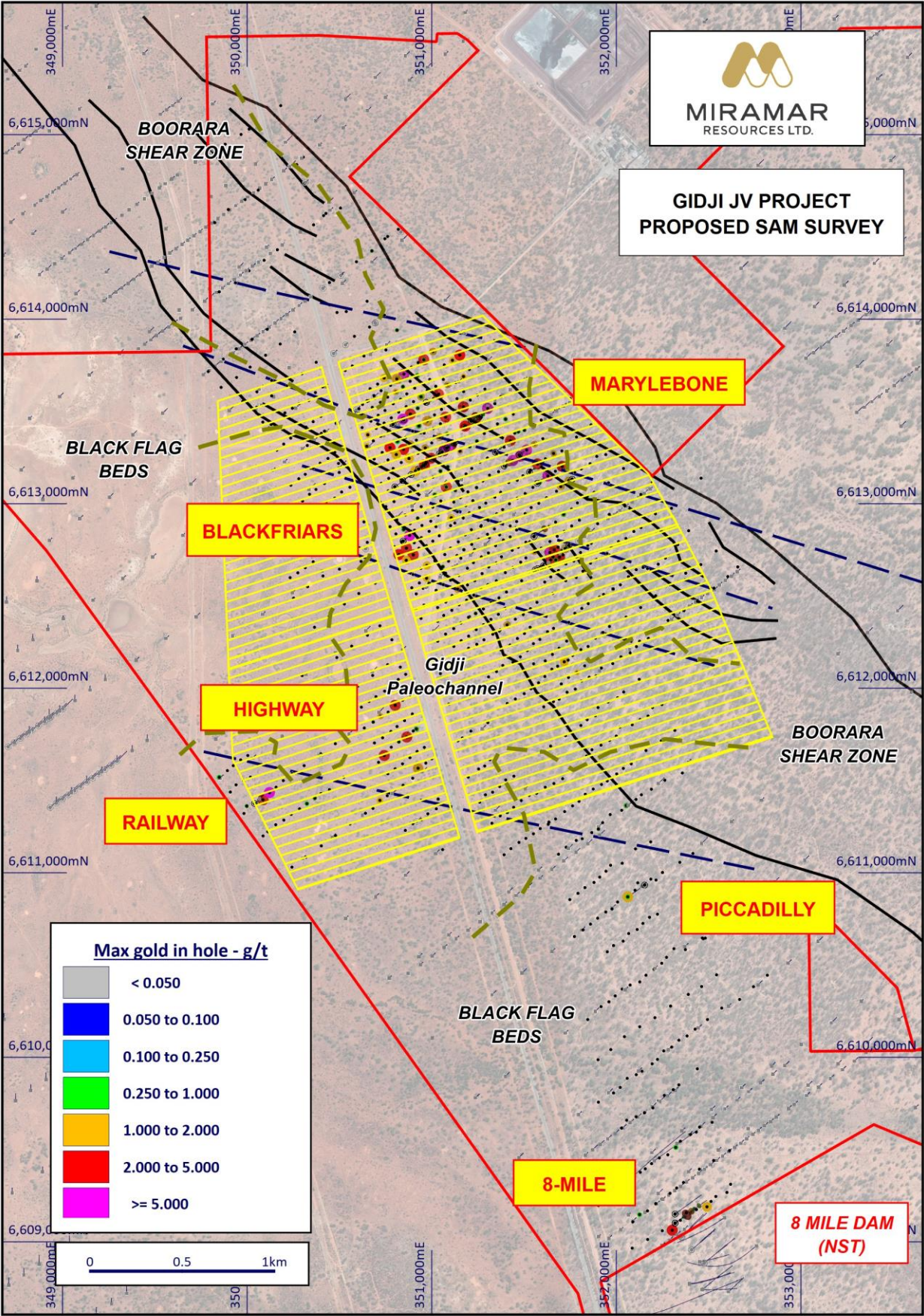
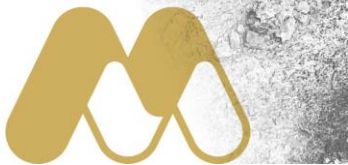
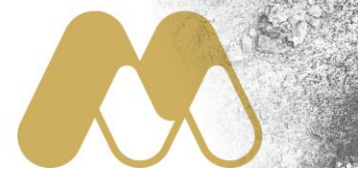


Figure 2. Proposed SAM survey (yellow lines) in relation to the Gidji Paleochannel and key targets.





### About Sub-Audio Magnetism

Sub-Audio Magnetism (SAM) is a high-resolution active source geophysical method that channels current into conductive sub-surface features, generating an electromagnetic field that is detected at the surface. It produces high-resolution images of conductive structures in the regolith and bedrock that is very useful for mineral exploration at prospect scale.

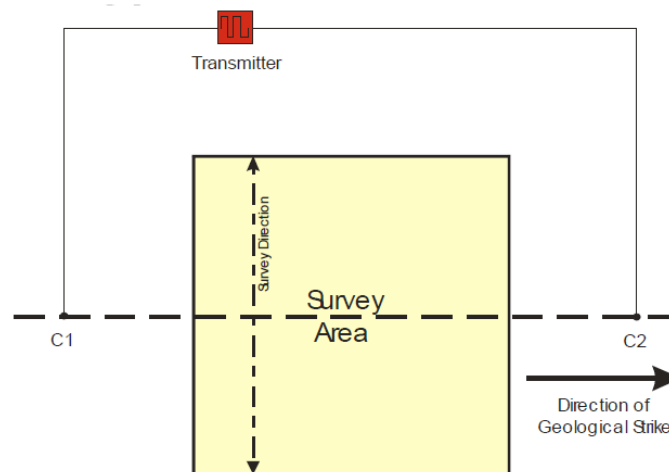
Unlike a traditional magnetic survey, which maps structures using the earth's magnetic field, SAM creates an artificial magnetic field that can be oriented to preferentially target structures in one or more directions.

A geophysical transmitter is used to transmit a precisely controlled signal into either an inductive transmitter loop or a grounded dipole to induce secondary fields in sub-surface conductors.

A receiver is then used to record the earth's total magnetic field by completing traverses across the survey area, either on foot or with a UAV, and collects both magnetic and electromagnetic data.

SAM surveys are usually carried out within a 1 by 1 km area, and transmitter current electrodes are placed along geological strike, at least 500 m from the edges of the survey area. The electrode wires and transmitter system are also set at 500 m or more from the edge of the survey area (Figure 3).

Survey transect lines are oriented perpendicular to the strike of the transmitter electrodes and transect line spacing can vary from 100 m to less than 10 m, depending on survey requirements.



**Figure 3.** Typical ground layout for a SAM survey (Myers, CRCLEME).

### Exploration Update

The Company provides a summary of upcoming activities across its various exploration projects:

- The aircore drilling campaign at Gidji is complete and results will be released once received and compiled
- Preparations are underway for RC drilling of IP anomalies at the 8-Mile target
- Preparations are also underway for commencement of the EIS-co-funded detailed airborne magnetic and EM survey at the Bangemall Ni-Cu-PGE projects
- A field trip is also planned for the high-grade Chain Pool Cu-Pb-Zn-Ag project

For more information on Miramar Resources Limited, please visit the company's website at [www.miramarresources.com.au](http://www.miramarresources.com.au), follow the Company on social media (Twitter @MiramarRes and LinkedIn @Miramar Resources Ltd) or contact:

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This announcement has been authorised for release by Mr Allan Kelly, Executive Chairman, on behalf of the Board of Miramar Resources Limited.



## COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Allan Kelly, a “Competent Person” who is a Member of The Australian Institute of Geoscientists. Mr Kelly is the Executive Chairman of Miramar Resources Ltd. He is a full-time employee of Miramar Resources Ltd and holds shares and options in the company.

Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits 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 Kelly consents to the inclusion in this Announcement of the matters based on his information and in the form and context in which it appears.

Information on historic and recent exploration results from the Gidji JV Project, including JORC Table 1 and 2 information where applicable, was included in the following ASX Announcements:

- 13/6/2025 *Drill for Equity Agreement at Gidji JV Gold Project*
- 12/5/2025 *Gidji Drilling Delivers More Gold Results*
- 3/7/2024 *Potential Extension to 8 Mile Dam Gold Deposit Outlined by IP Survey*
- 3/5/2024 *Gidji JV Exploration Update – Amended*
- 22/4/2024 *Goldfields Exploration Update*
- 9/4/2024 *Gold & Nickel Exploration Update*
- 2/2/2023 *Large Exploration Target Highlights Gidji JV Gold Potential*
- 10/8/2022 *Significant gold results from “Highway” Target*
- 1/8/2022 *Further High-Grade Gold Results from Gidji JV*
- 30/6/2022 *Multiple High-Grade Gold Results from Gidji JV*
- 29/6/2022 *Gidji JV Project – Exploration Update*
- 26/5/2022 *Gidji JV Exploration Update*
- 3/5/2022 *Miramar to accelerate Gidji drilling following \$2.4M raising*
- 13/4/2022 *Potential for Multiple Large Deposits at Gidji JV*
- 8/4/2022 *Multiple High-Grade Gold Results from Gidji JV*
- 10/3/2022 *Nickel Sulphide Targets Identified at Gidji JV*
- 1/2/2022 *RC Drilling Underway at Marylebone*
- 10/1/2022 *New Target at Gidji JV Increases Camp-Scale Potential*
- 22/12/2021 *Gidji drilling results indicate potential new gold camp*
- 25/11/2021 *Gidji JV Exploration Update*
- 7/10/2021 *Significant Gold Results from Gidji JV Drilling*
- 23/09/2021 *Multiple High-Grade Gold Results from Marylebone*
- 13/09/2021 *Gidji JV Tenements Granted*
- 2/08/2021 *Aircore Drilling Grows Marylebone*
- 29/06/2021 *New Aircore Results Upgrade Gidji Targets*
- 3/06/2021 *RC and Aircore Drilling Underway at Gidji JV*
- 11/05/2021 *Aircore Drilling Extends and Upgrades Marylebone*
- 6/05/2021 *Gidji JV Project Exploration Update*
- 15/04/2021 *Gidji Diamond Drilling - Additional Information*
- 12/04/2021 *Gidji Drilling Extends Runway and Hits Visible Gold*
- 16/03/2021 *Drilling Underway at Gidji*
- 11/02/2021 *High-grade gold at Gidji upgrades targets*



## About Miramar Resources Limited

Miramar Resources Limited is an active, WA-focused mineral exploration company exploring for gold, copper and Ni-Cu-PGE deposits in the Eastern Goldfields and Gascoyne regions of WA.

Miramar aims to create shareholder value through discovery of high-quality mineral deposits.

The Company's Board has a track record of successful discovery, development and production within Australia, Africa, and North America.

