



ASX ANNOUNCEMENT

WHALESHARK PROJECT UPDATE

- **Heritage survey completed over proposed EIS co-funded diamond drill holes**
- **Drilling scheduled to commence in July**

Miramar Resources Limited (ASX:M2R, “Miramar” or “the Company”) is pleased to provide an update on exploration activities at the Company’s’ 100%-owned Whaleshark Project in the Ashburton region of Western Australia.

The Company acquired the Whaleshark Project as part of the IPO in 2020 and has been exploring for Iron-Oxide Copper-Gold (IOCG) mineralisation beneath younger sediments of the Northern Carnarvon Basin.

Miramar has defined high-priority bedrock drill targets at Whaleshark comprising overlapping:

- Mobile Metal Ion (MMI) surface geochemical anomalism over approx. 1.2km x 1.2km
- gravity anomalism crosscut by a NW-trending structure
- strongly elevated copper, cobalt, gold and silver results in “interface” aircore drilling

The Company was successful in applying for up to \$180,000 through the Western Australian government’s Exploration Incentive Scheme (EIS) co-funded drilling programme.

Miramar has now completed a heritage survey over the site of proposed drill holes which will test the coincident gravity and aircore copper anomalies in the “neck” of the Whaleshark granite (Figures 1 and 2).

Miramar’s Executive Chairman, Mr Allan Kelly, said that, based on the results to date, the Company believed that Whaleshark had the potential to host a significant IOCG deposit, like Ernest Henry, Carrapateena or Prominent Hill.

“Since commencing work at Whaleshark in mid-2021, we have defined a robust IOCG target which has been further validated by the recent successful EIS application,” Mr Kelly said.

“IOCG deposits are large and potentially very valuable meaning success at Whaleshark would have a significant positive impact on our company,” he added.

“We are therefore very excited to be drill testing these highly prospective bedrock targets,” Mr Kelly said.

The Company is currently in discussions with several drilling contractors with the aim of commencing the initial diamond drilling programme in July.

For more information on Miramar Resources Limited, please visit the company’s website at www.miramarresources.com.au or contact:

Allan Kelly
Executive Chairman
info@miramarresources.com.au

Margie Livingston
Ignite Communications
margie@ignitecommunications.com.au

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

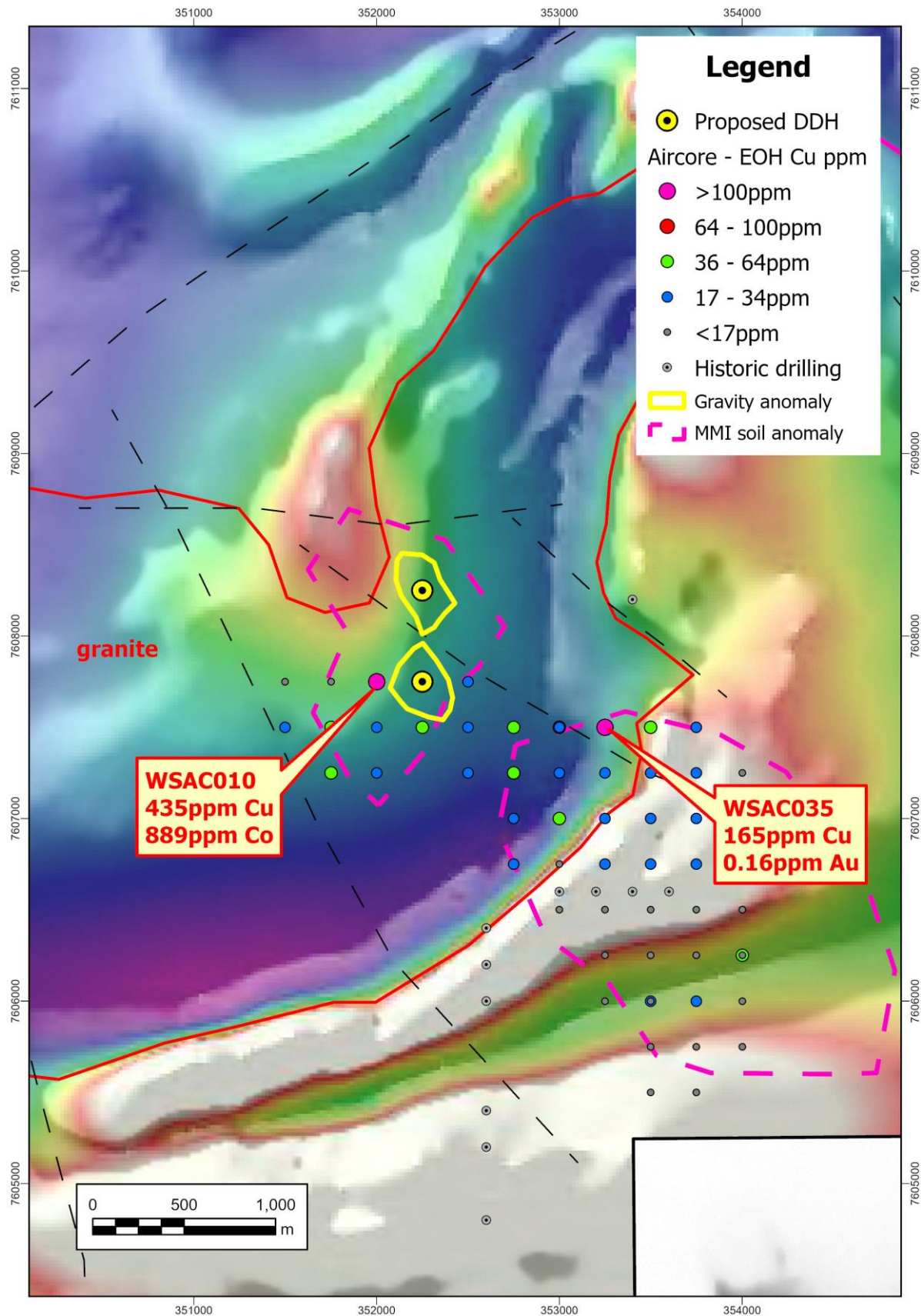


Figure 1. Whaleshark magnetic image showing proposed diamond drilling in relation to gravity and MMI anomalies and aircore end of hole (EOH) copper results.

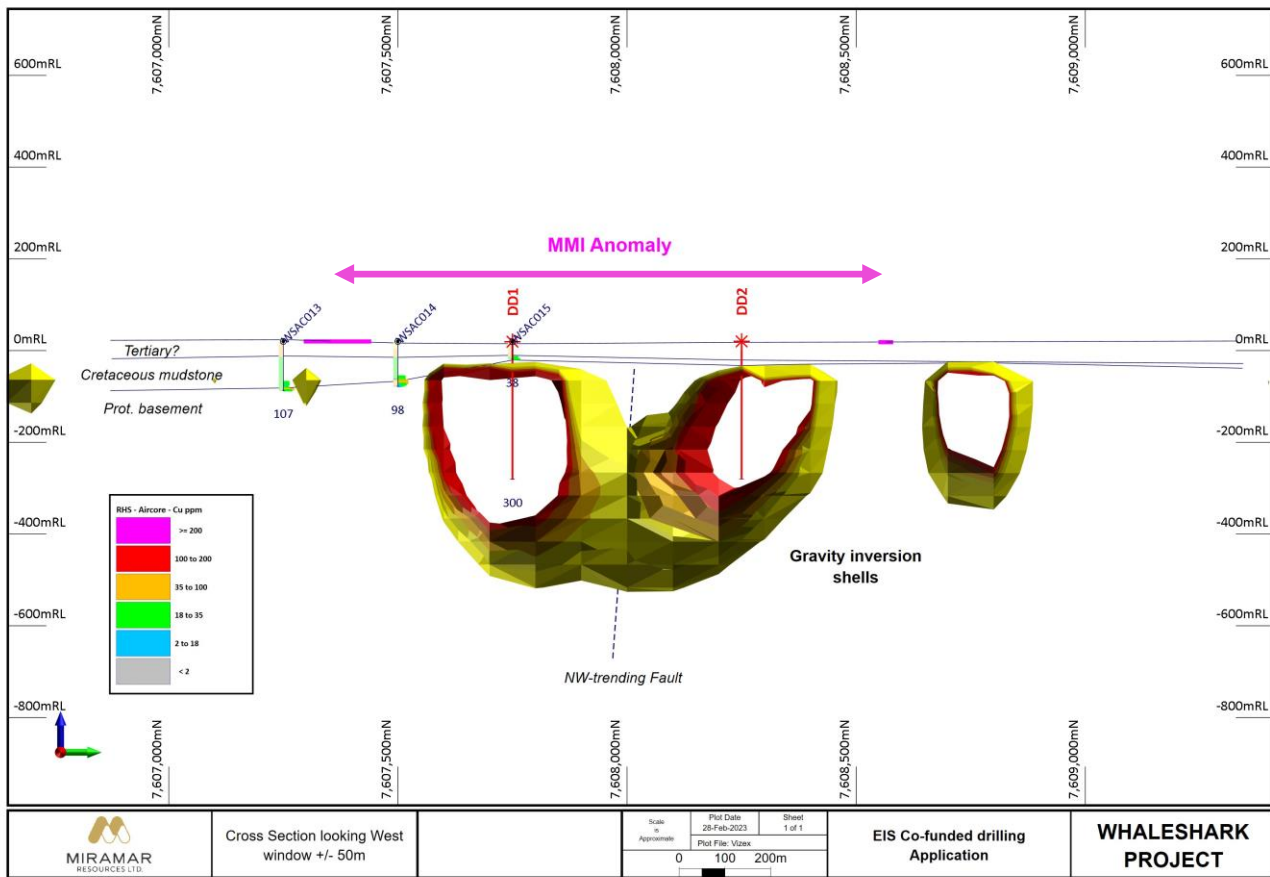
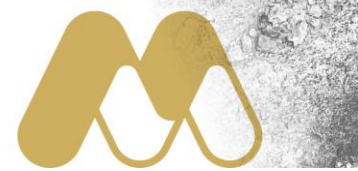


Figure 2. North-south cross section (looking west) showing proposed diamond drill holes in relation to surface MMI soil anomaly above gravity anomaly crosscut by NW-trending fault.



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.

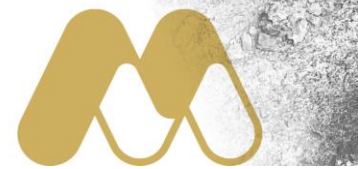
Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to Qualify as a “Competent Person” as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources 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.

Historical exploration results for the Whaleshark Project, including JORC Table 1 and 2 information, is included in the Miramar Prospectus dated 4 September 2020.

JORC Table 1 and 2 information for recent exploration results at the Whaleshark Project is contained in the following ASX Announcements:

- 21 April 2023 – *Successful EIS Application for Whaleshark Diamond Drilling*
- 14 February 2023 - *Significant Basement Copper and Cobalt Results Upgrade Whaleshark IOCG Potential*
- 14 December 2022 – *Whaleshark REE Results Upgrade IOCG Potential*
- 7 Nov 2022 - *Aircore Drilling Confirms IOCG Potential at Whaleshark*
- 18 Aug 2022 – *Drilling underway at Whaleshark Copper-Gold Project*
- 13 Dec 2021 – *Large IOCG targets outlined at Whaleshark*
- 3 Sep 2021 - *Whaleshark Soil Survey Outlines Numerous Large Targets*



About Miramar Resources Limited

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

Miramar’s Board has a track record of discovery, development and production within Australia, Africa, and North America, and aims to create shareholder value through discovery of high-quality mineral deposits.

