



# ASX ANNOUNCEMENT

## DRILLING UNDERWAY AT WHALESHARK COPPER-GOLD PROJECT

Miramar Resources Limited (ASX:M2R, “Miramar” or “the Company”) is pleased to advise that aircore drilling has commenced at the Company’s large 100%-owned Whaleshark Cu-Au Project, approximately 40km east of Onslow, in the Ashburton region of Western Australia.

The Whaleshark Project is characterised by a large, folded banded iron formation (BIF) complex, intruded by a granite, under approximately 100m of Carnarvon Basin sediments (Figure 1).

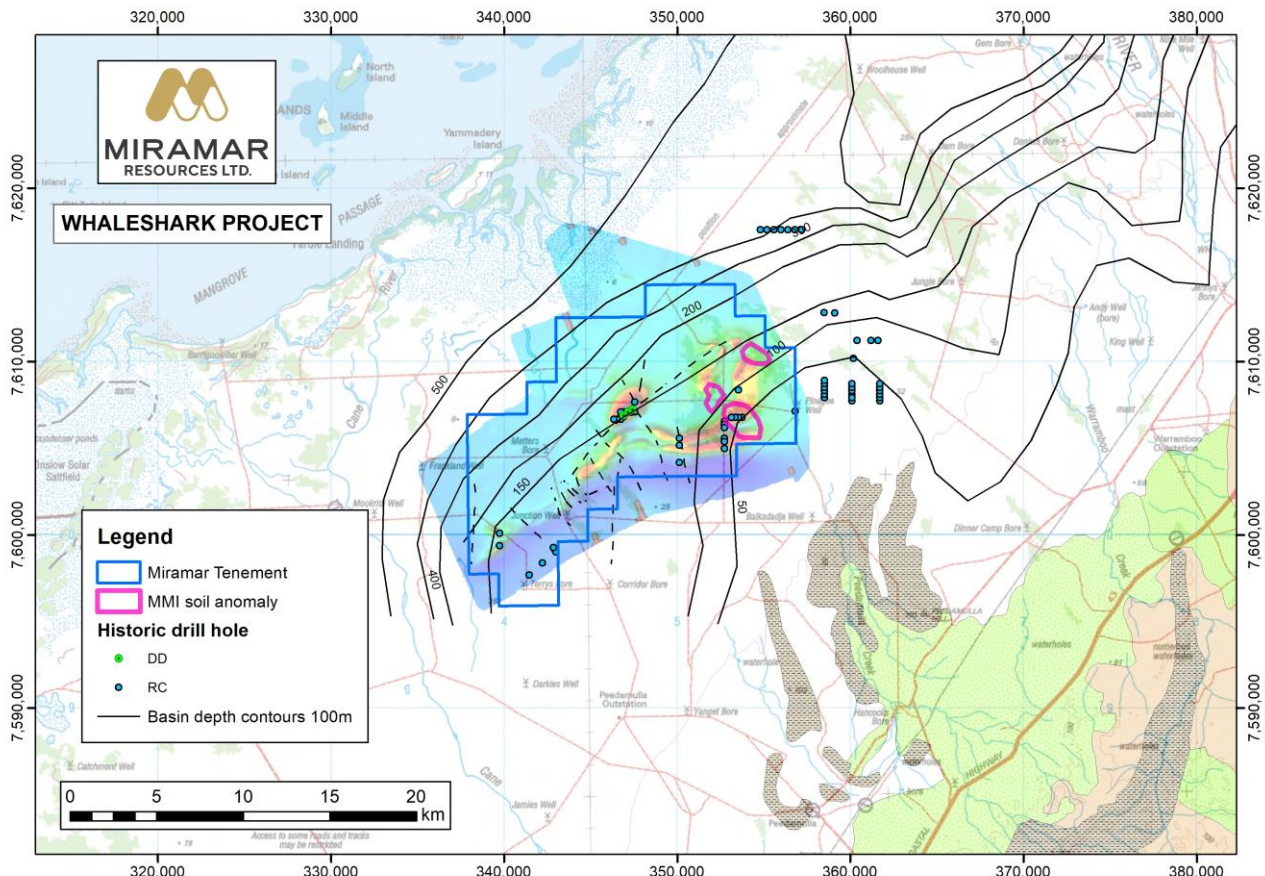
The local geology is interpreted to be Ashburton Formation, part of the Capricorn Orogen, a belt of Proterozoic-aged rocks between the Archean Pilbara and Yilgarn Cratons.

Previous workers intersected gold mineralisation in the BIF and outlined a low-level surface gold anomaly in an interpreted “pressure shadow” target at the southwest end of the granite.

In 2021, Miramar completed two phases of mobile metal ion (MMI) soil sampling over the Project and outlined two large Cu-U-REE-Mo-W anomalies on the eastern edge of the granite intrusion.

The current aircore drilling programme will test for geochemical anomalism beneath the MMI anomalies and the pressure shadow target at the unconformity between the Proterozoic basement rocks and the overlying Cretaceous sediments (Figure 2).

The drilling programme will use a track-mounted aircore rig to minimise environmental disturbance and is expected to take approximately 4 weeks to complete.



**Figure 1. Whaleshark Project showing basement depth contours over magnetic image.**

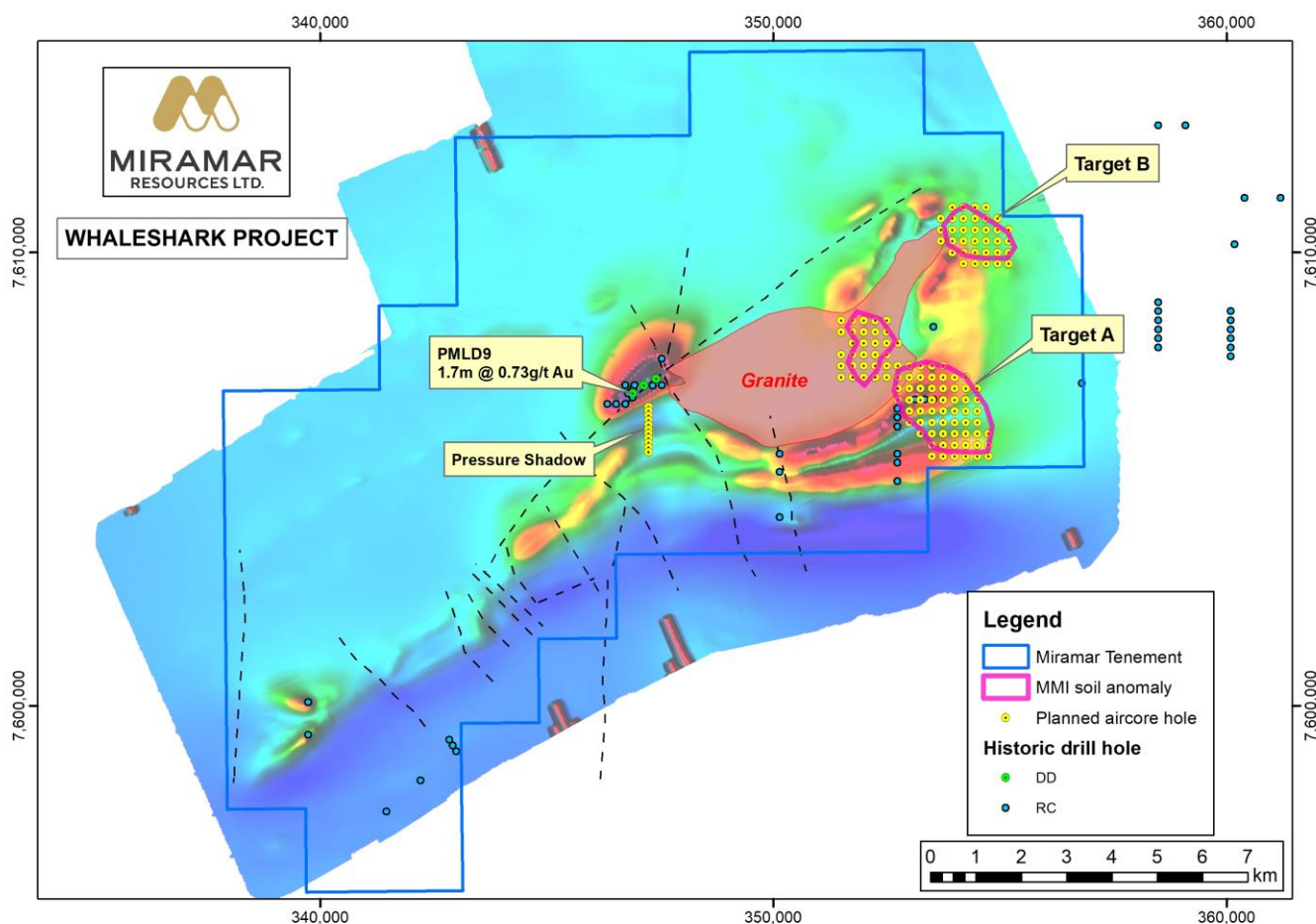


Miramar’s Executive Chairman, Mr Allan Kelly, said the results of the aircore drilling will be used to guide deeper drilling.

*“At Whaleshark, we have very large surface geochemical anomalies above a Proterozoic granitoid intrusion at relatively shallow depths when compared with other IOCG prospects,” Mr Kelly said.*

*“The large Ernest Henry IOCG deposit in northern Queensland has a well-developed geochemical anomaly at the unconformity between the cover sediments and the basement rocks,” he added.*

*“If we can outline a similar anomaly with this aircore drilling, and reduce the size of the targets, it will greatly assist in refining potential basement targets for deeper RC and/or diamond drilling,” he said.*



**Figure 2.** Whaleshark Project showing MMI anomalism and proposed drilling over magnetic image.

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:

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.

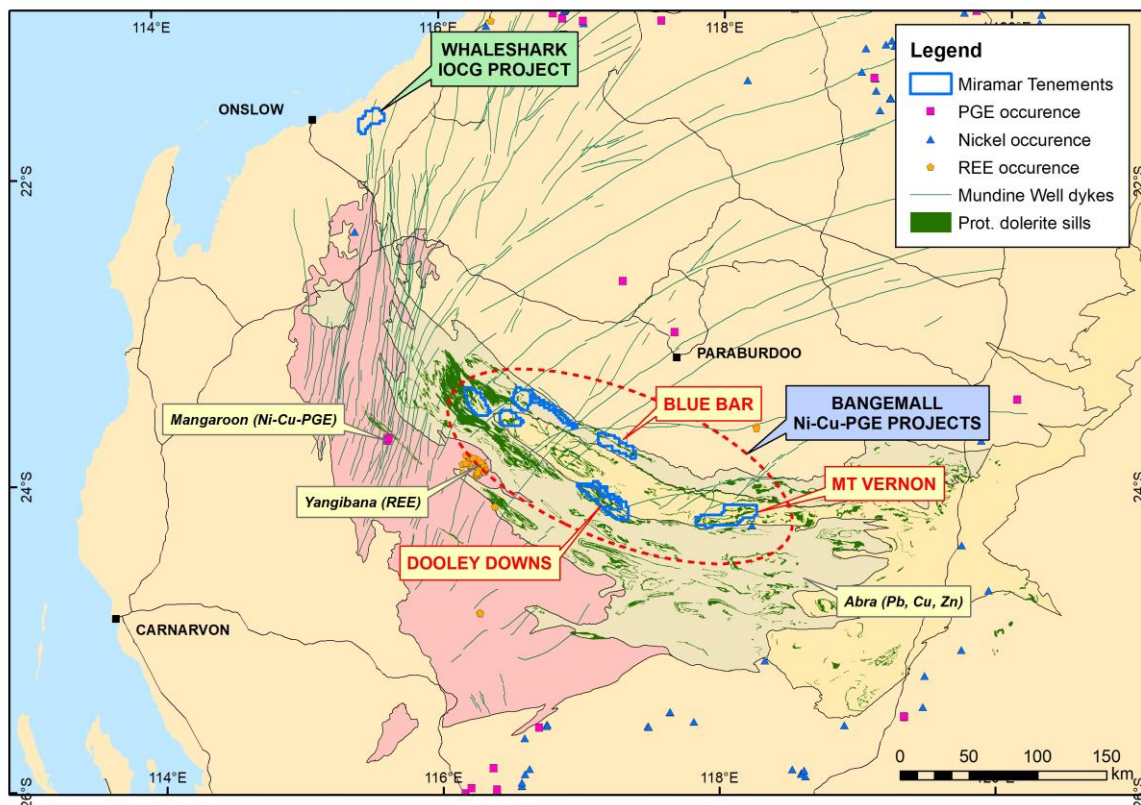




## ABOUT THE WHALESHARK PROJECT

The Whaleshark project is located 40km east of Onslow, WA, and is characterised by a large, folded BIF complex intruded by a granite and buried under approximately 100m of Carnarvon Basin sediments.

The project is located at the northwestern end of the Proterozoic Capricorn Orogen and has potential for IOCG and Proterozoic BIF-hosted gold mineralisation.



## 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 presentation of the matters based on his information and in the form and context in which it appears.

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

Information on exploration carried out by Miramar Resources Limited, including JORC Table 1 and 2 information, is included in the following ASX Announcements:

- 13 December 2021 – *“Large IOCG targets outlined at Whaleshark”*
- 3 September 2021 - *“Whaleshark Soil Survey Outlines Numerous Large Targets”*.



**ABOUT MIRAMAR RESOURCES LIMITED**

Miramar Resources Limited is an active WA-focused mineral exploration company with highly prospective exploration projects in the Eastern Goldfields, Murchison and Gascoyne regions of Western Australia.

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

