



**MIRAMAR**  
RESOURCES LTD.

# Miramar Resources Ltd

*“Creating shareholder value through discovery”*

**RIU EXPLORERS CONFERENCE – FEBRUARY 2023**

**ASX: M2R**

# Disclaimer/Competent Person Statement

## Forward-Looking Statements

Statements in this presentation which are not statements of historical facts, including but not limited to those relating to the proposed transactions, are forward-looking statements. These statements instead represent management's current expectations, estimates and projections regarding future events.

Although management believes the expectations reflected in such forward-looking statements are reasonable, forward-looking statements are based on the opinions, assumptions and estimates of management at the date the statements are made and are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking statements. Accordingly, investors are cautioned not to place undue reliance on such statements.

## 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. Allan 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.

Allan 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’. Allan 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 results for all projects within this presentation, including JORC Table 1 and 2 Information, is included in the Miramar Resources Limited Prospectus dated 4 September 2020.

JORC Table 1 and 2 Information for Miramar results for all projects within this presentation are included in the relevant ASX releases.

# Miramar Resources

*Active diversified WA mineral explorer*

## Advancing Multiple Discovery Opportunities

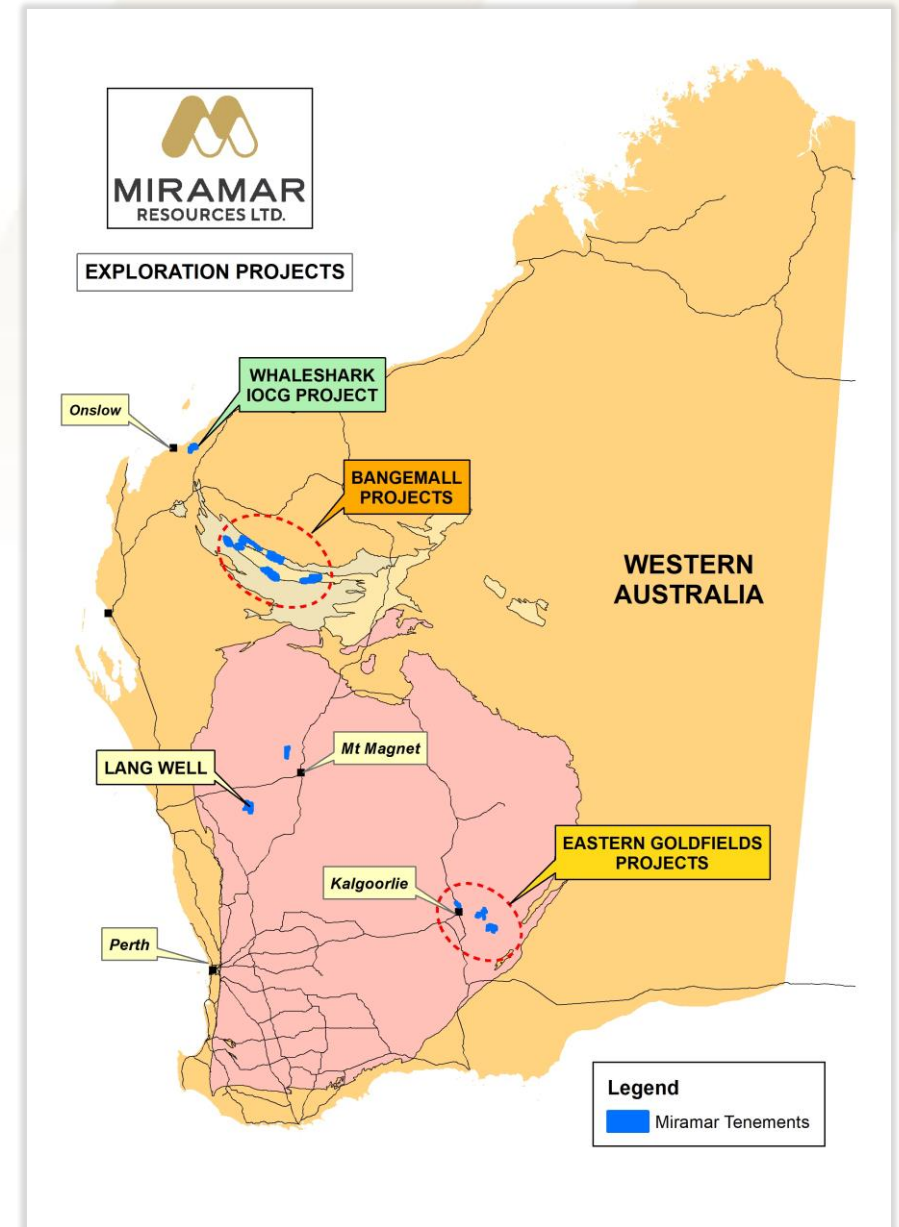
- Large shallow **IOCG** targets at **Whaleshark**
- Potential for a **new gold camp** at **Gidji JV**
- Multiple **high-grade gold** results at **Glandore**
- **REE** potential at **Bangemall** and **Lang Well**

## Experienced People

- **Track record** of successful discovery, development and production

## Unmatched Share Price Leverage to Success

- Active exploration = **regular news flow**
- Tight share register, **very low EV**



# Gascoyne Region Projects

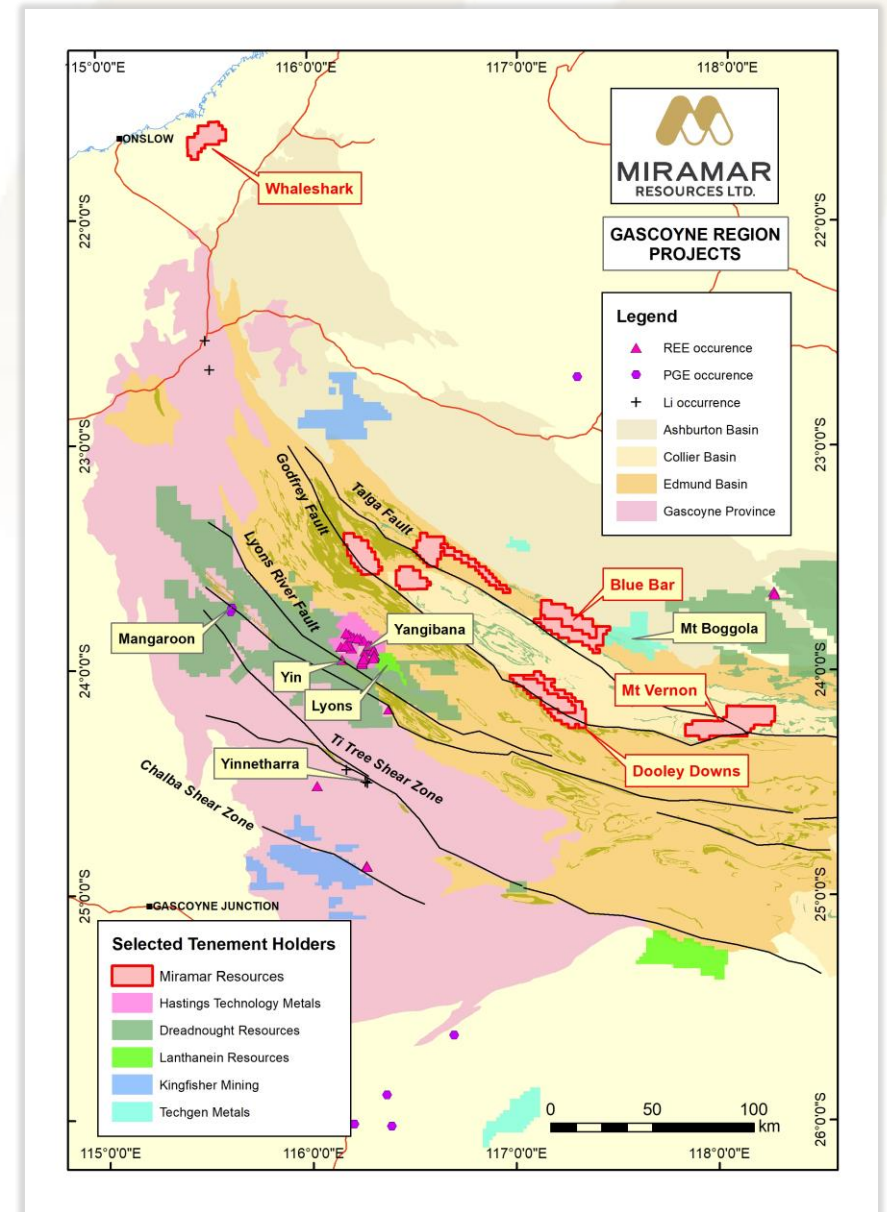
*Strategic land position within underexplored Proterozoic Capricorn Orogen*

## Whaleshark

- Large **IOCG** targets under shallow basin

## Bangemall Projects

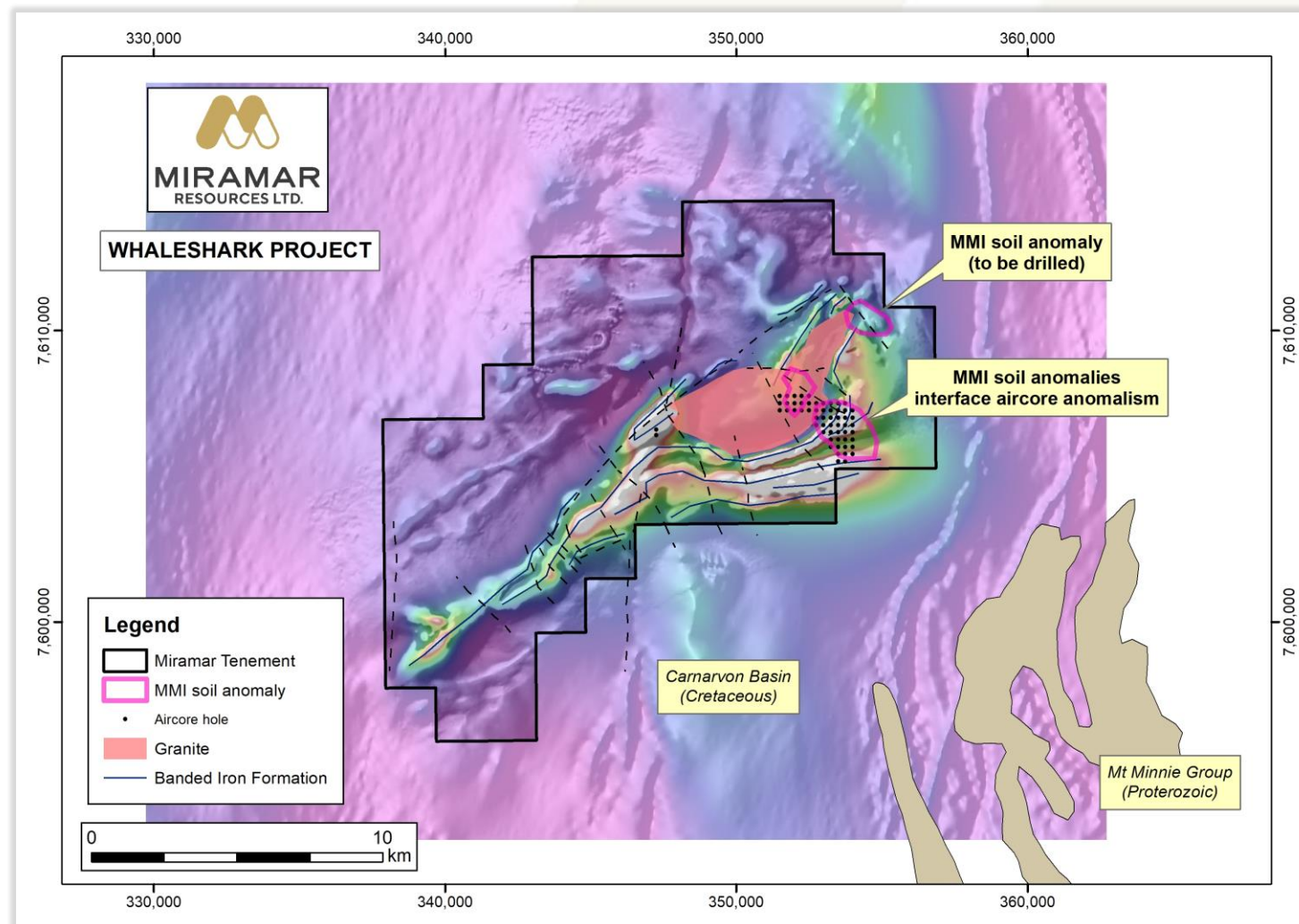
- Multi-commodity potential
  - Base metals (**Ni- Cu-PGE**, Cu-Pb-Zn)
  - Recent **REE** carbonatite discoveries nearby



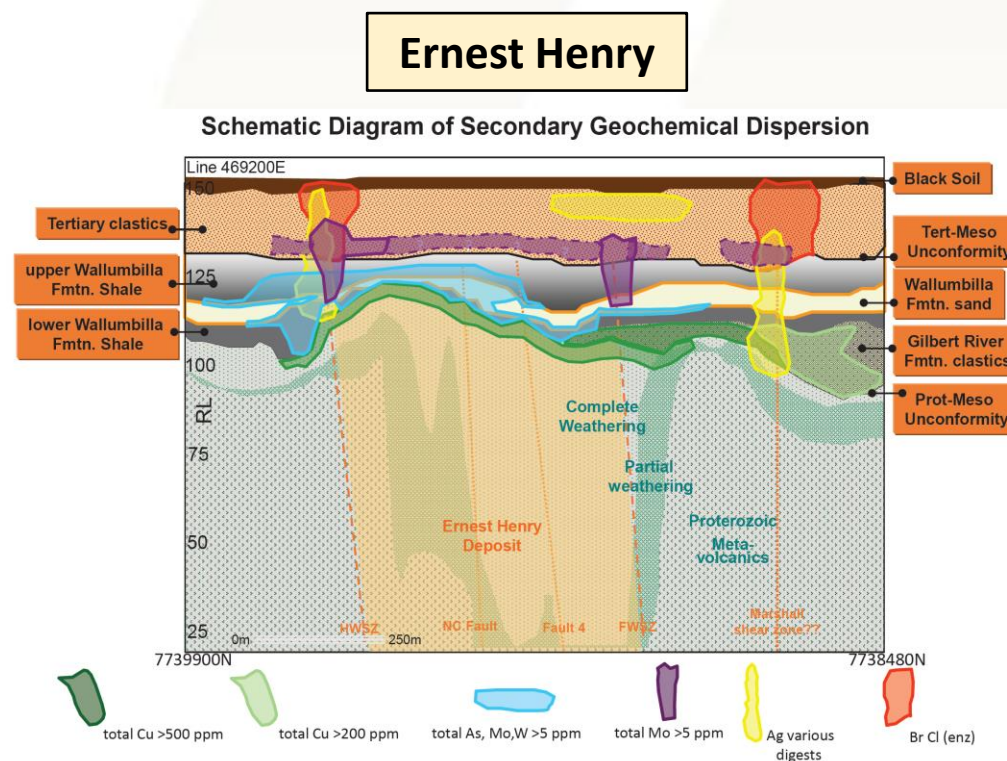
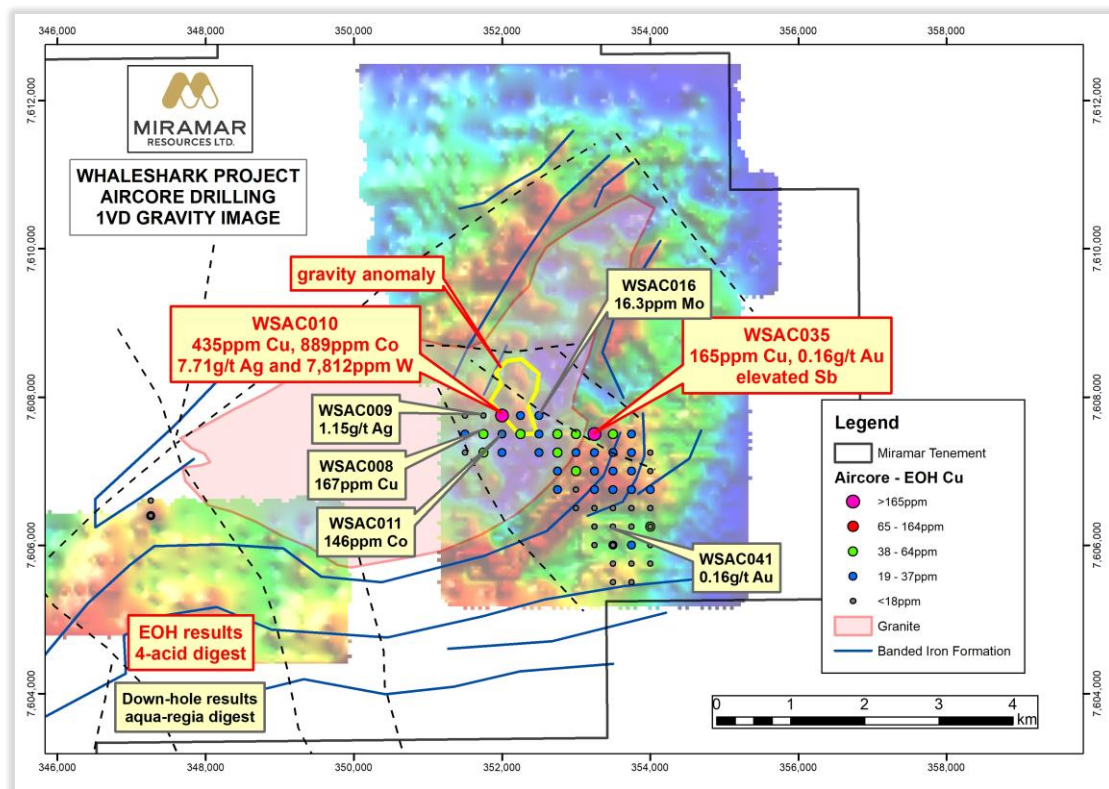
# Whaleshark

## *Potential for a large shallow IOCG discovery*

- Prot. BIF and granite under Carnarvon Basin
- Basement depth ~100m
- Large MMI soil anomalies at edge of granite
- Geochemical anomalism and alteration comparable to several large **IOCG** deposits



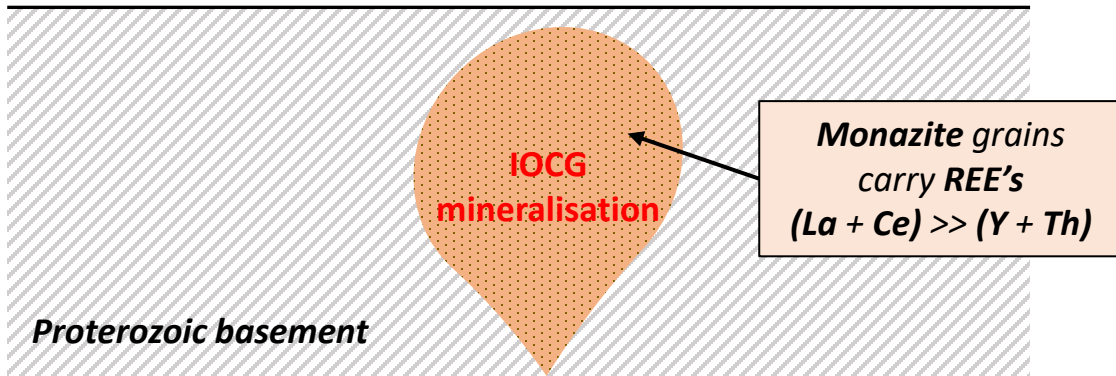
# IOCG geochemistry and alteration



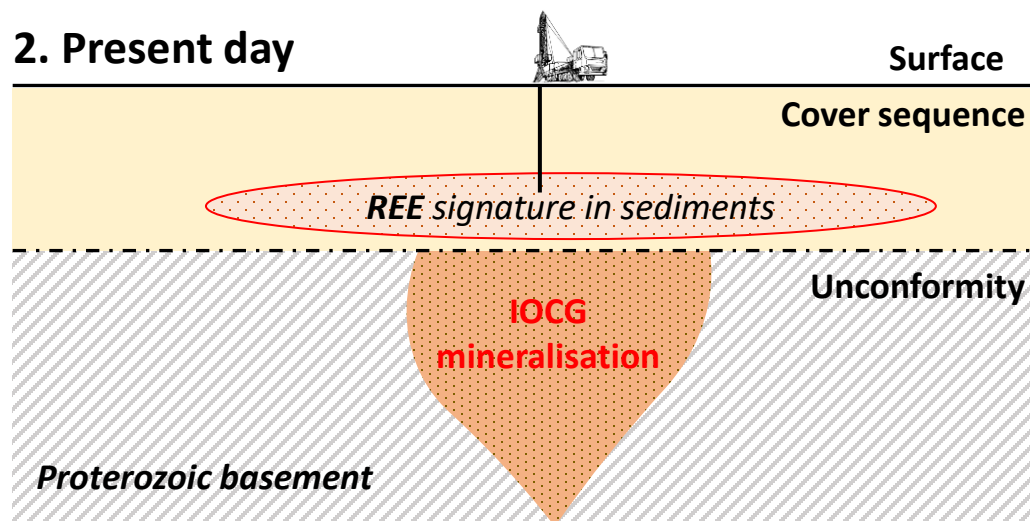
(Lilly and Hannan, 2016)

# REE signature suggests IOCG source

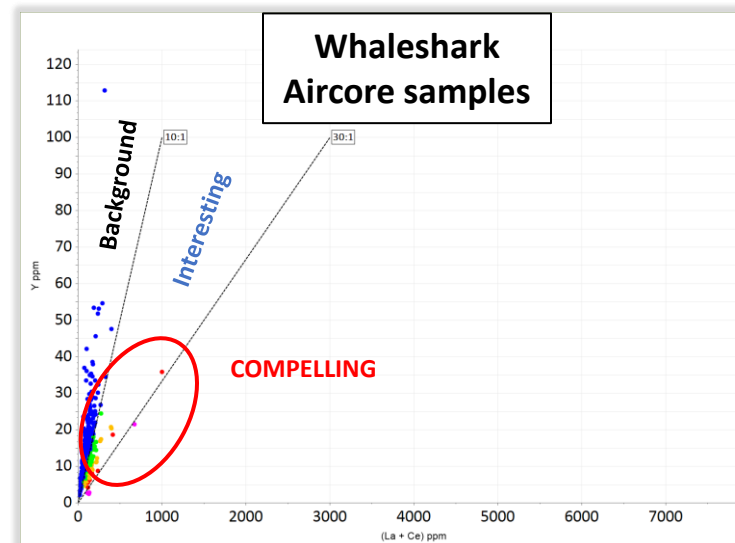
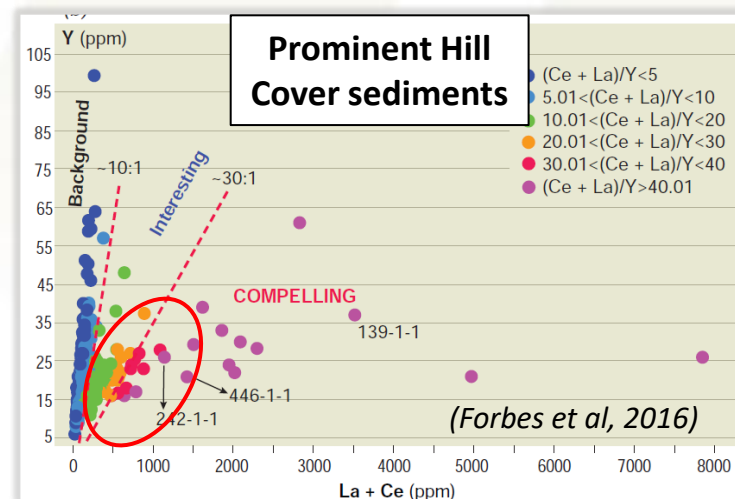
## 1. Proterozoic (~1.8 billion years ago)



## 2. Present day



Erosion and deposition



# Whaleshark

## What we know so far

- ✓ Shallow basement
- ✓ Proterozoic granite intrusion
- ✓ Fe-rich rocks nearby
- ✓ Strongly anomalous **IOCG** geochemistry
- ✓ Sodic and potassic alteration
- ✓ Gravity anomalies

## What's next?

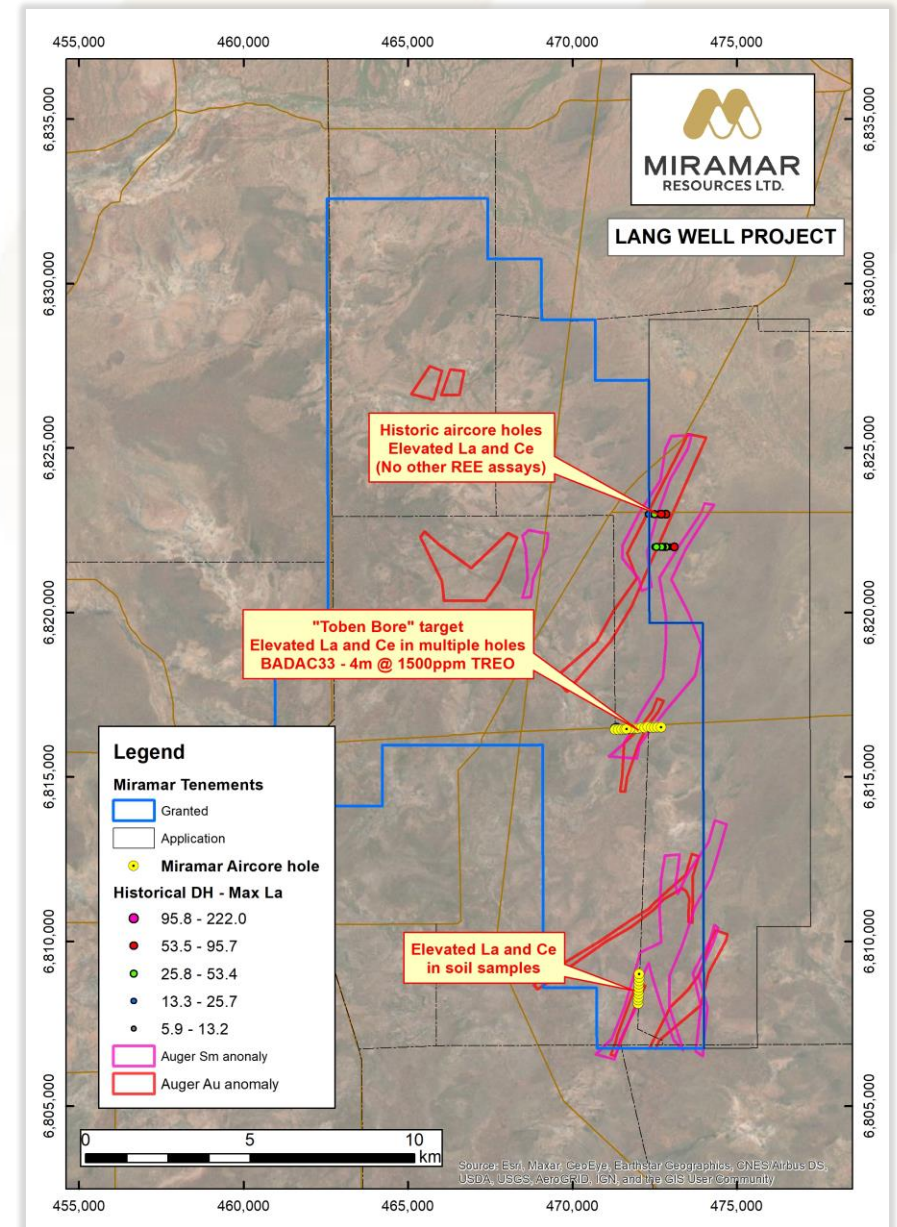
- Heritage survey
- Ground EM
- Basement drilling (DD/aircore)



# Lang Well – REE potential



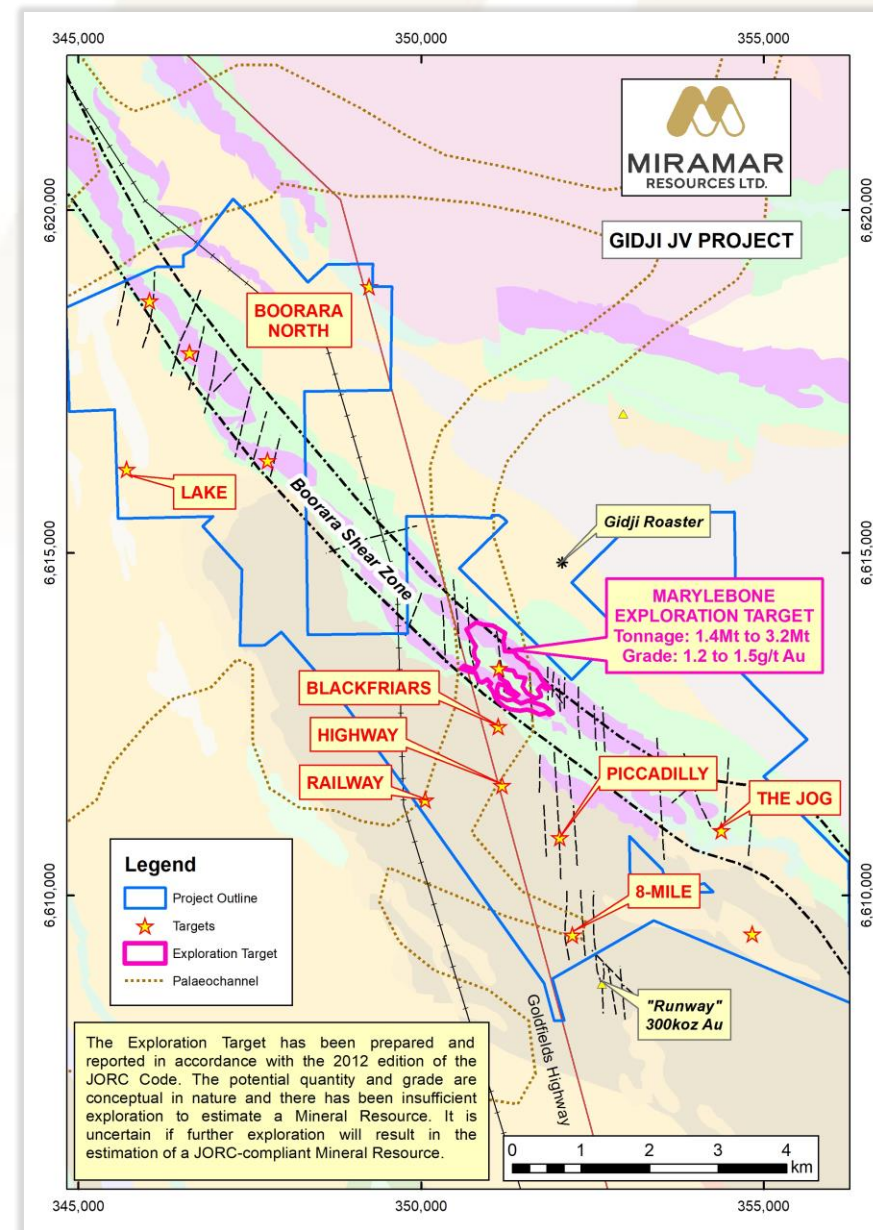
- Large historic auger anomalies (**Au** and **Samarium**)
- Elevated **La** and **Ce** results in historic aircore drilling
- Only 1 aircore sample previously assayed for **REE's**
  - **4m @ 1,500ppm TREO**
- Recon aircore drilling completed - assays pending



# Gidji JV

*“The cheapest house on the best street”*

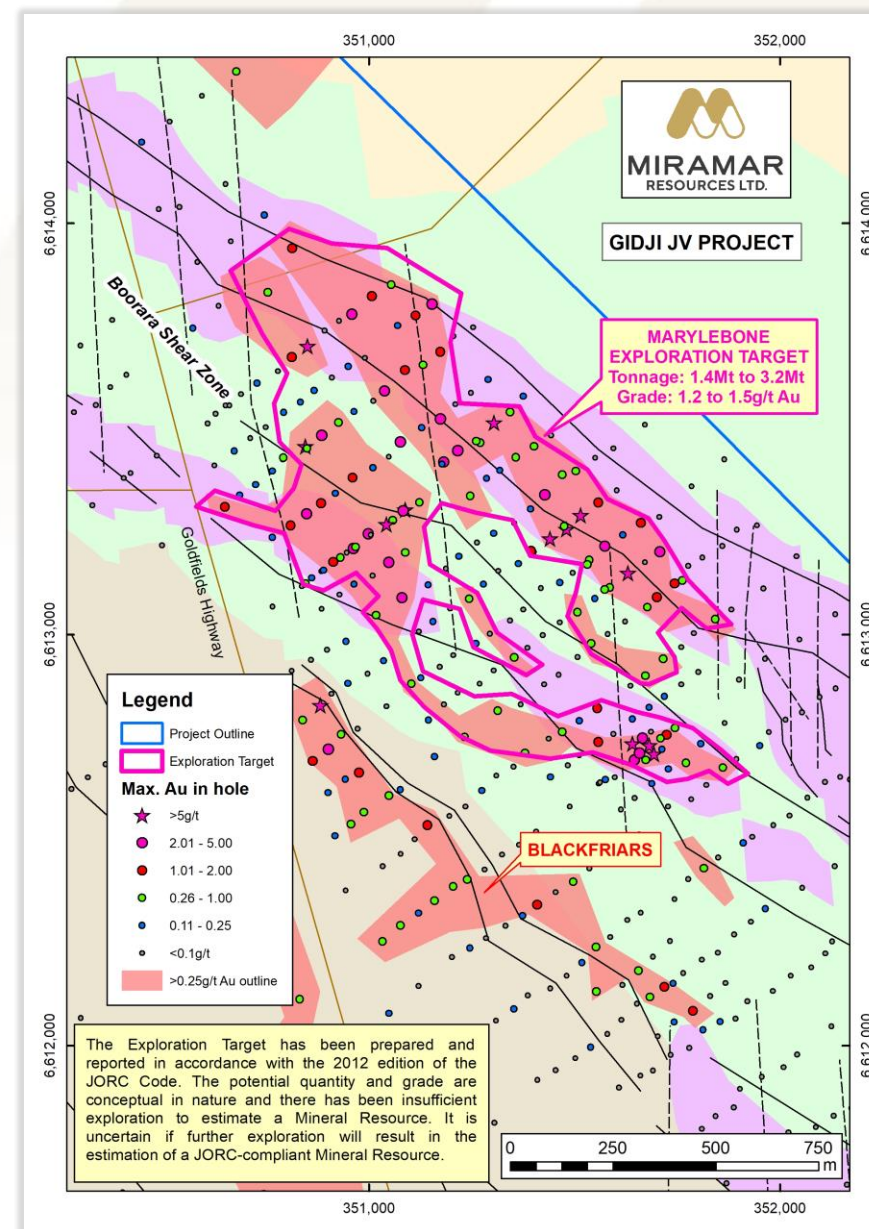
- 15km N of **Kalgoorlie** via major highway
- 15km strike of **Boorara Shear Zone** host to:
  - **Paddington/Panglo**
  - **Bardoc deposits**
  - **Boorara/Golden Ridge**
- Limited effective historical drilling due to transported cover and paleochannel sediments
- Proximity to multiple gold processing plants
- **Nickel sulphide potential** in Ultramafic units



# Gidji JV – gold targets

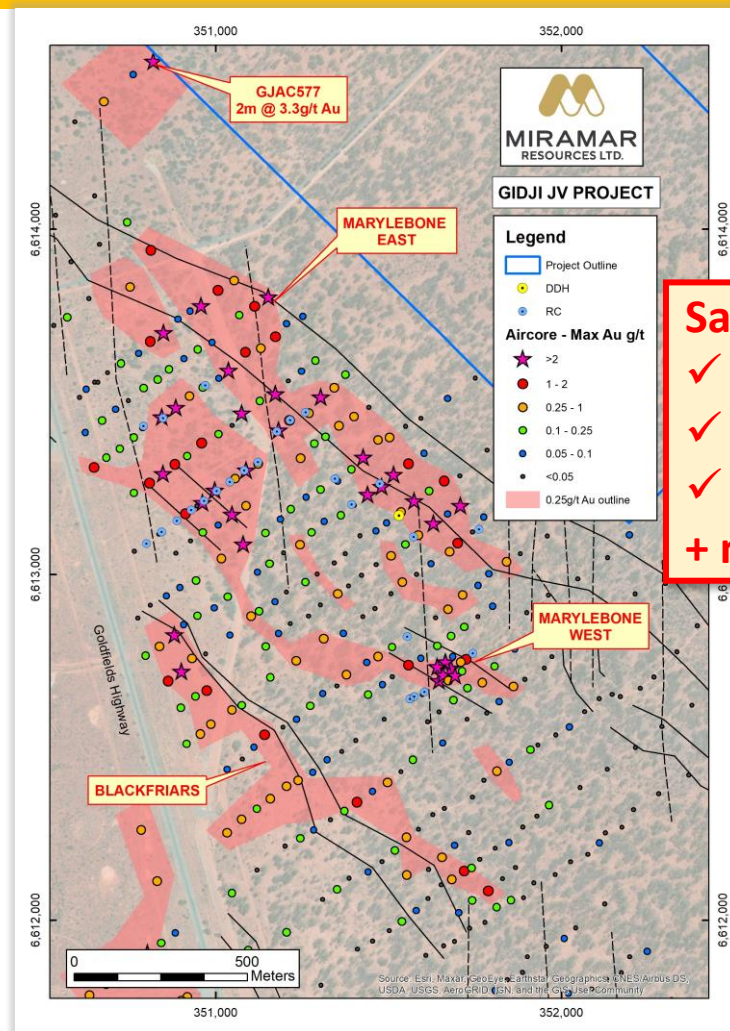
*Potential for multiple supergene and/or primary gold deposits within the Boorara Shear Zone*

- Shallow gold “Exploration Target” at **Marylebone**
  - **1.4 to 3.2Mt @ 1.2 to 1.5g/t Au\***
- Multiple other large aircore gold anomalies outlined
  - **Blackfriars**
  - **Highway-Piccadilly**
  - **Railway**
- Refining bedrock targets for further deeper drilling



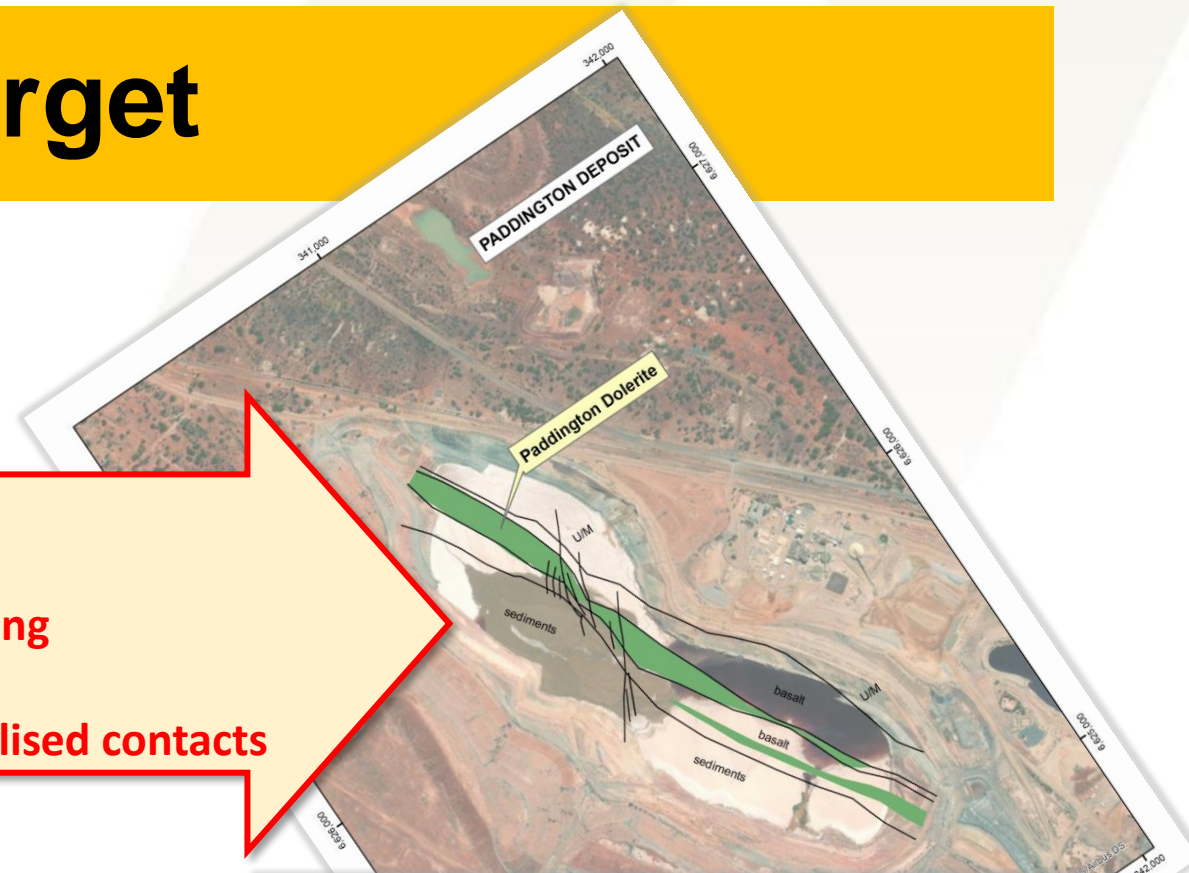
\* ASX Release dated 2 Feb 2023

# Gidji – 1Moz bedrock target



Same:

- ✓ Geology
- ✓ Structural setting
- ✓ Scale
- + multiple mineralised contacts



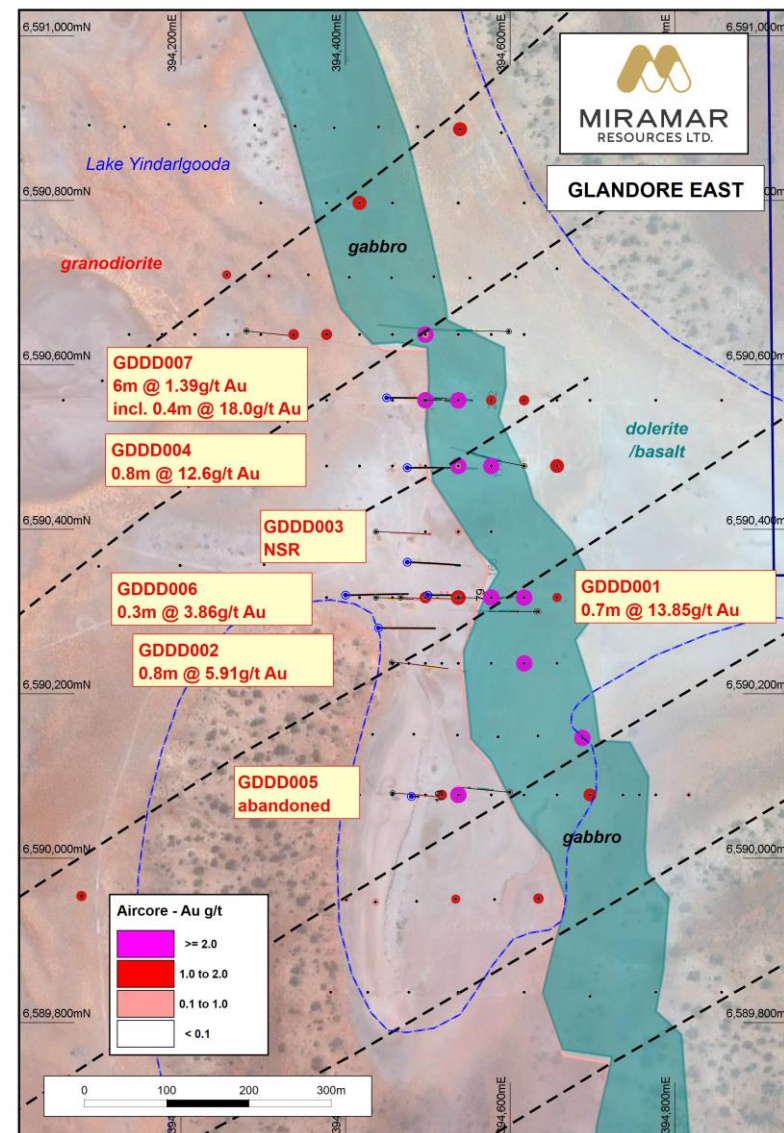
## Paddington

- Discovered in **1982** beneath historic workings
- Dilational jog in **Boorara Shear Zone** crosscut by later N-S faults
- Quartz veins in **dolerite** between Black Flag sediments and mafic/UM sequence
- 30m depleted zone above deposit
- Approx. **4Moz Au** produced since **1985**

# Glandore East



- Multiple narrow **high-grade gold** results beneath **very large aircore footprint**
- Similar geology and structure to **Majestic** and **Imperial** deposits (~0.5Moz Au)
- Magnetics and further drilling planned



# Corporate Snapshot

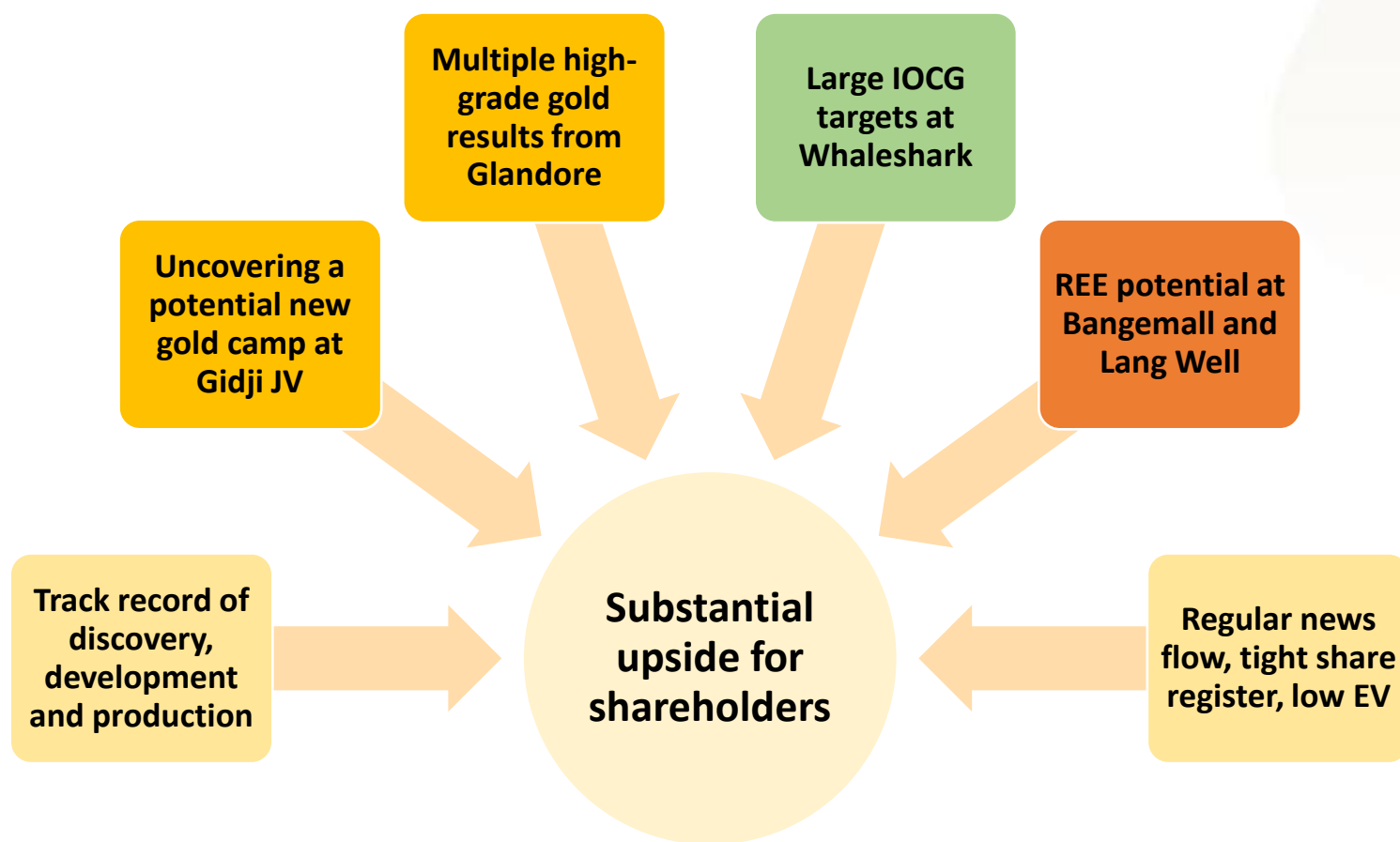
ASX Code	M2R
Shares on Issue	70.7M
Listed Options (25c)	28.0M
<b>Market Cap (@ 8c)</b>	<b>\$5.7M</b>
<b>Cash/Investments (31 Dec 22)</b>	<b>\$0.6M</b>
Enterprise Value	\$5.1M

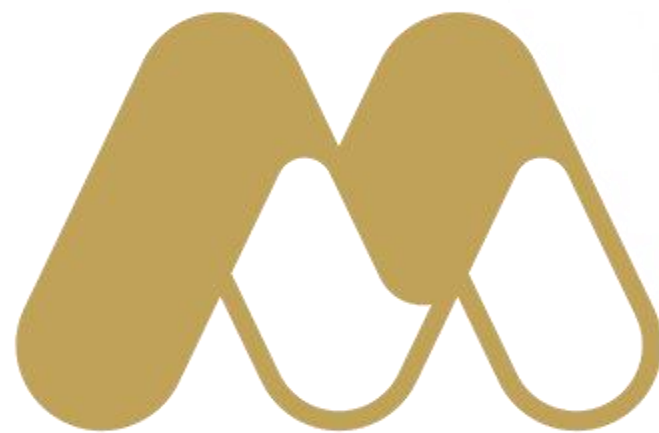
Substantial Shareholders	%
XGS Pty Ltd (Allan Kelly)	9.9
Faraday Nominees Pty Ltd	9.3
<b>Top 20 Holders</b>	<b>42.5</b>
Board	10.8

## Experienced Board – with track record of successful discovery, development and production

<b>Allan Kelly</b> (Exec. Chairman)	<ul style="list-style-type: none"> <li>• <b>Geologist/Geochemist/Manager/Brewer</b></li> <li>• <b>30 years experience</b> in mineral exploration, development, production and management</li> <li>• <b>Founding MD, Doray Minerals Ltd (2009-2016)</b></li> <li>• <b>AMEC “Prospector” Award – 2014</b></li> </ul>
<b>Marion Bush</b> (Technical Director)	<ul style="list-style-type: none"> <li>• <b>Geologist/Analyst/Manager</b></li> <li>• <b>25+ years experience</b> in exploration, management, directorship and marketing</li> </ul>
<b>Terry Gadenne</b> (Non-Exec. Director)	<ul style="list-style-type: none"> <li>• Former Army and Navy Officer and rescue helicopter pilot</li> <li>• <b>25+ years experience</b> in the defence forces, aviation, agriculture and mining services</li> </ul>
<b>Mindy Ku</b> (Co. Sec/CFO)	<ul style="list-style-type: none"> <li>• <b>15+ years experience</b> with public and private companies</li> </ul>

# Miramar - Summary





[miramarresources.com.au](http://miramarresources.com.au) | ASX: **M2R**