



**MIRAMAR**  
RESOURCES LTD.

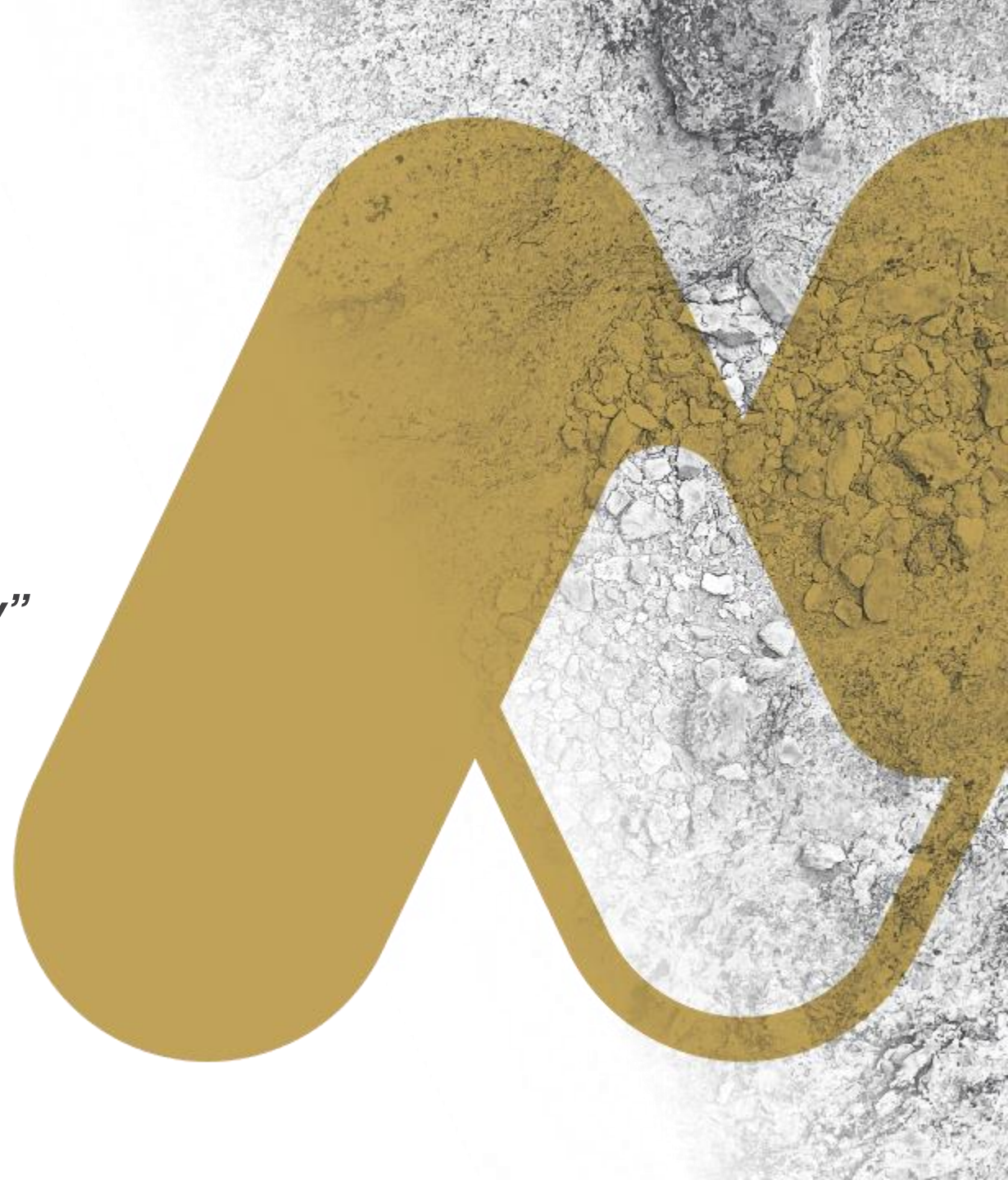
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# Miramar Resources Ltd

*“Creating shareholder value through discovery”*

**RIU Resurgence Conference – December 2021**

**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.

# Miramar Resources - Investment Highlights



## Gidji JV (80%)

- Strategic land position within major mineralised structure **15km N of Kalgoorlie**
- **Potential large new gold discovery at Marylebone**
- **Multiple targets** identified for drill testing



## Glandore (100%)

- Underexplored project **40km E of Kalgoorlie**
- **Very large gold footprint** outlined by recent aircore drilling
- **Historic high-grade DDH results**



## Substantial Upside

- Board **track record** of successful discovery, development and production
- Active exploration programs across **Eastern Goldfields, Murchison** and **Gascoyne** regions
- Strategic land position in emerging **Ni-Cu-PGE** province

# Corporate Snapshot

ASX Code	M2R
Shares on Issue	56.3M
Shareholders	~780
<b>Market Capitalisation (@ 22c)</b>	<b>\$12.4M</b>
<b>Cash/Investments (30 Sept 21)</b>	<b>\$4.2M</b>
Enterprise Value	\$8.2M

Substantial Shareholders	%
XGS Pty Ltd (Allan Kelly)	11.9
Faraday Nominees Pty Ltd	6.2
<b>Top 20</b>	<b>42.3</b>
Board/Management	13.0

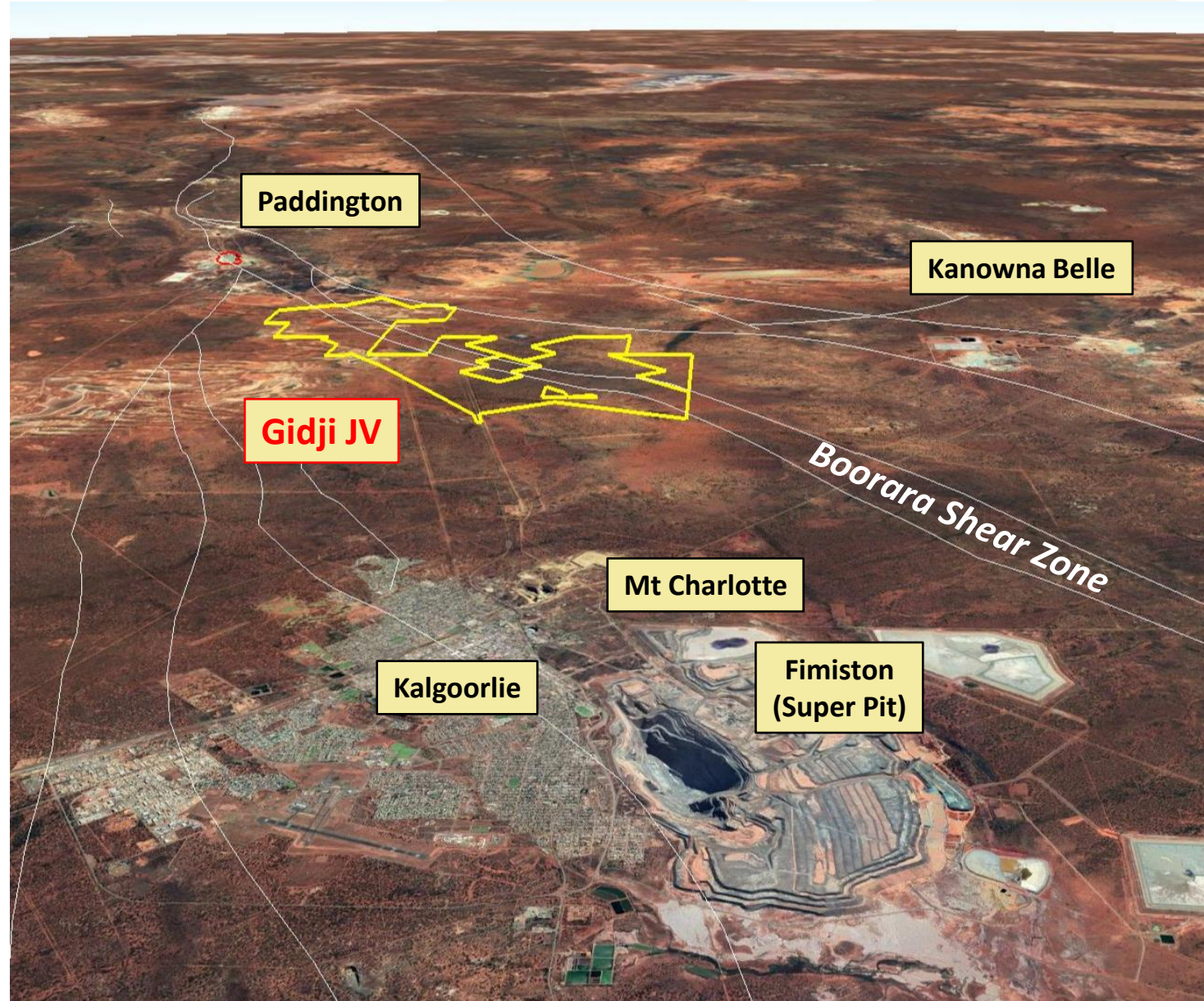
## Experienced Board – with track record of successful exploration, discovery, development and production

<b>Allan Kelly</b> (Exec. Chairman)	<ul style="list-style-type: none"> <li>Geologist/Geochemist/Manager</li> <li><b>30 years experience</b> in mineral exploration, development and gold production</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>Geologist/Analyst/Manager</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>Rescue helicopter pilot and former Army and Navy Officer</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>



# Gidji JV (80%)

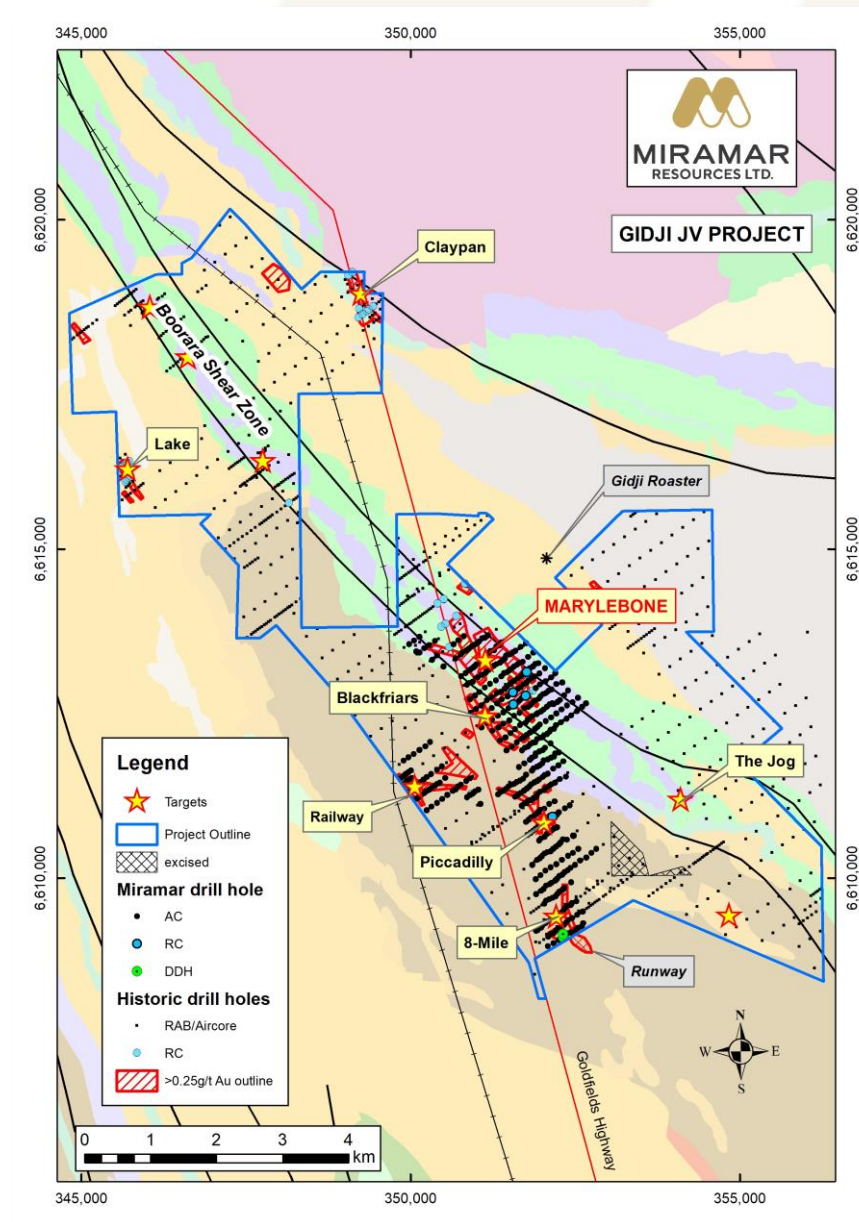
*Potential for a large new gold discovery on  
Kalgoorlie's doorstep...*



# Gidji JV

## Underexplored strategic land position

- 15km long segment of major regional structure – “**Boorara Shear Zone**”
- Along strike from large gold deposits:
  - **Paddington (4Moz)**
  - **Boorara (0.5Moz)**
  - **Zoroastrian/Excelsior (0.8Moz)**
- Aircore drilling has outlined multiple new targets including a **potential large new gold discovery at Marylebone**
- Extensive transported cover obscures prospective geology/structures
- Underexplored – **most drilling <50m**

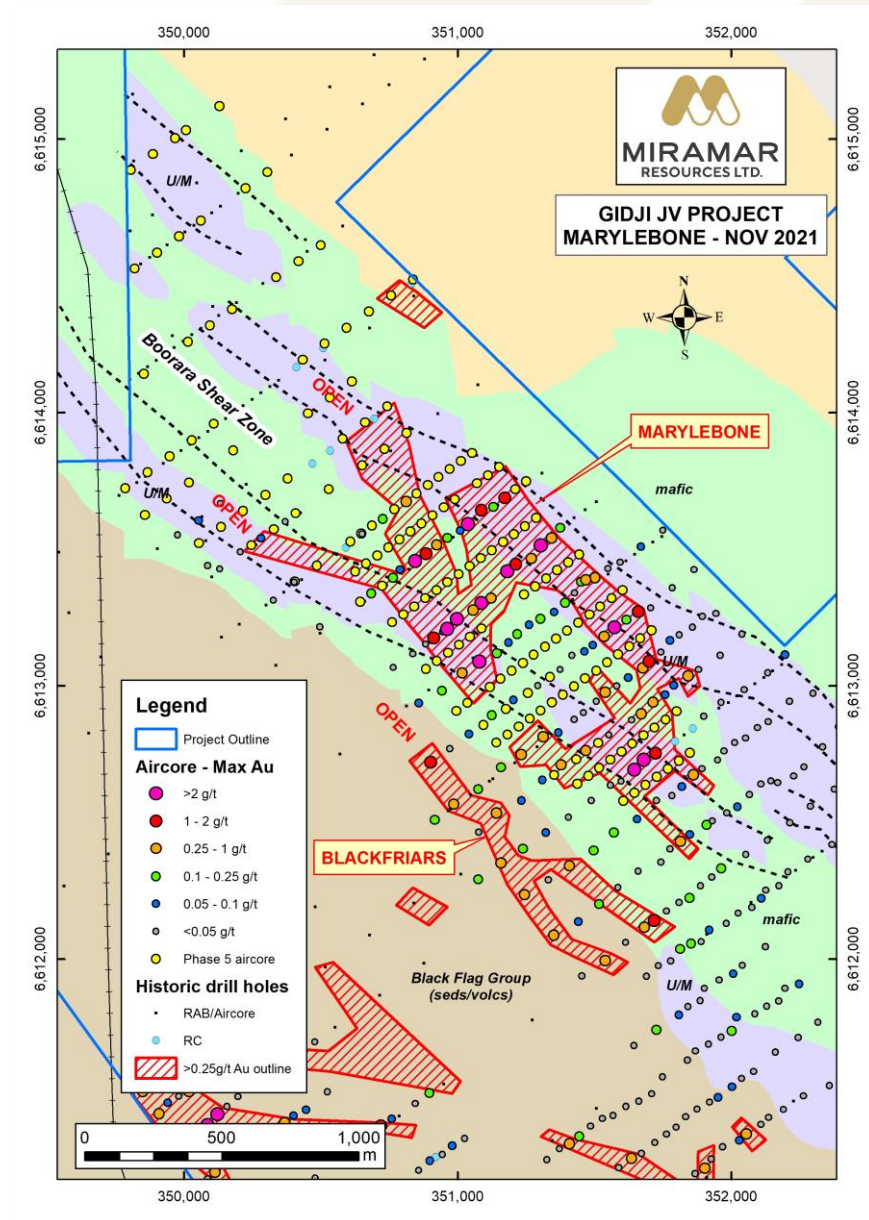




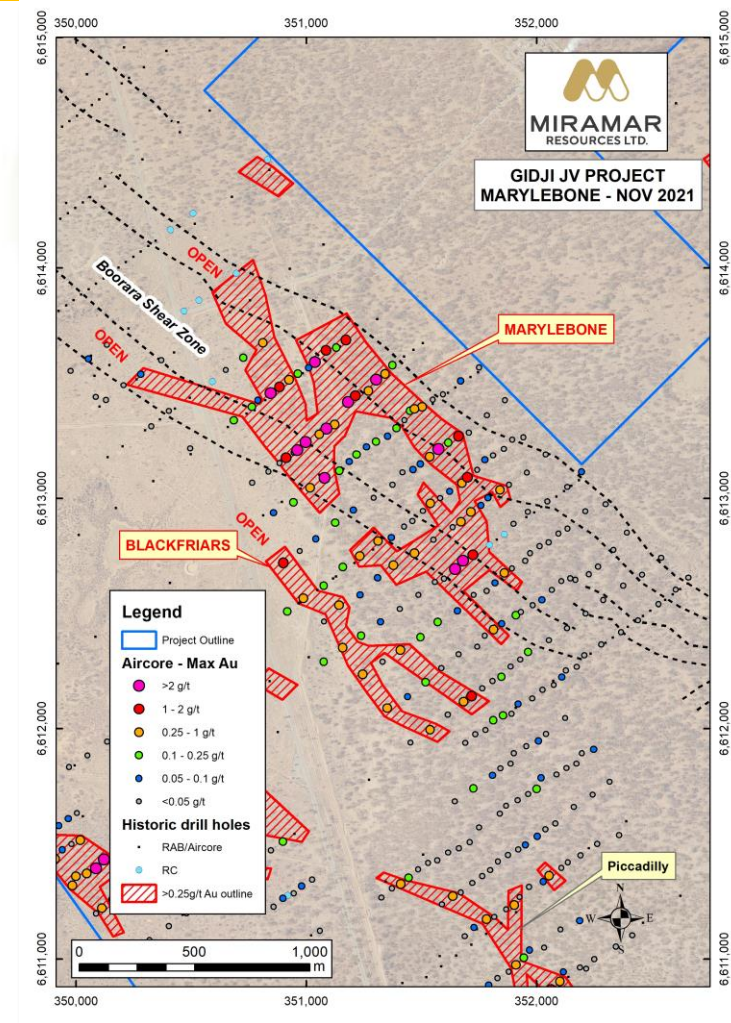
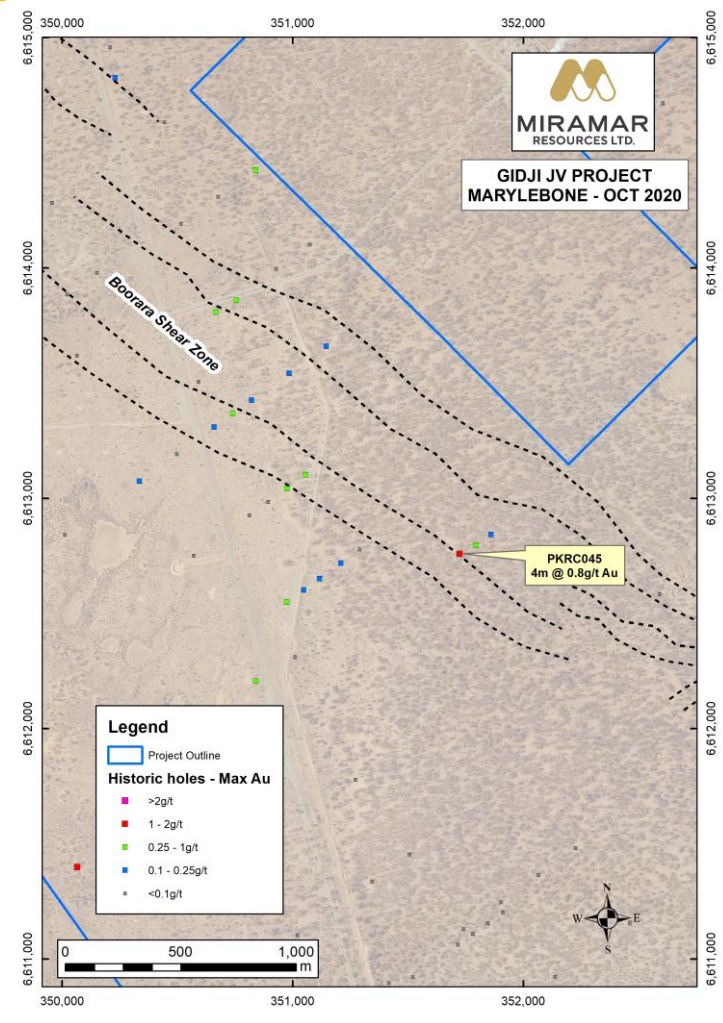
# Marylebone

## Potential for a large new gold discovery close to existing infrastructure

- Geology, structure and scale similar to **4Moz** Paddington deposit
- **2km gold footprint** remains **open to NW** onto recently granted tenements
- Multiple aircore results **>2g/t Au** across multiple sections
- Virtually untested at depth >60m
- Infill/extensional aircore drilling underway to refine RC drill targets



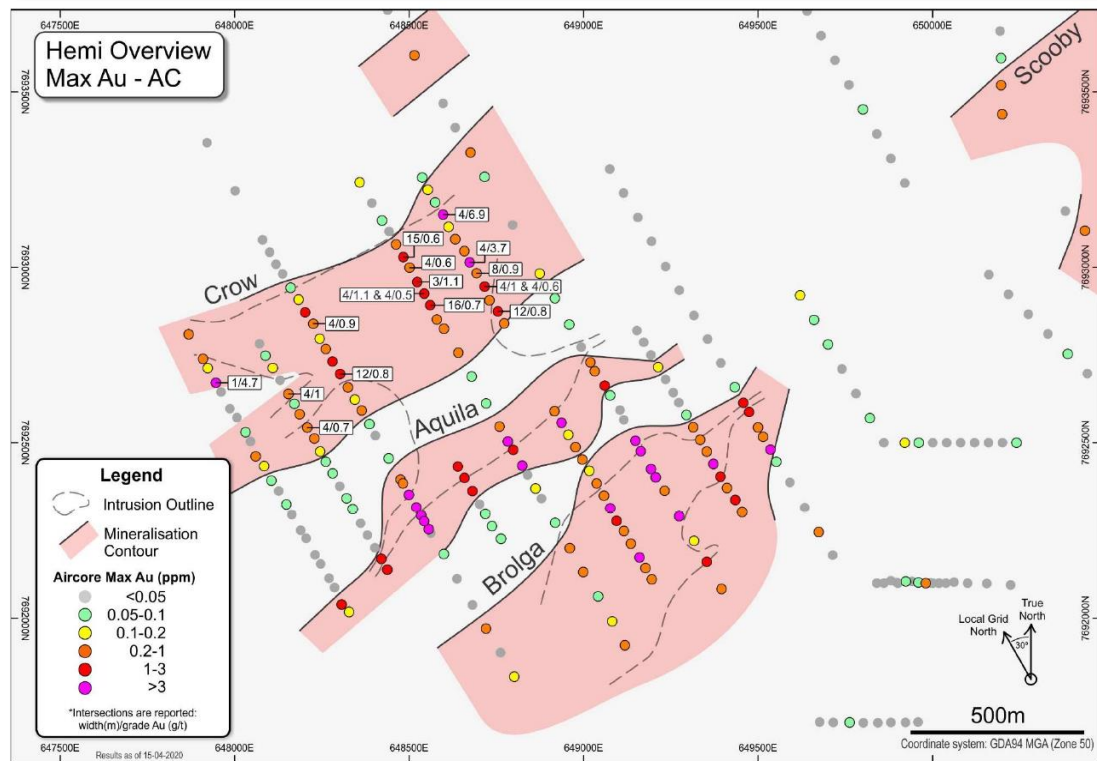
# Marylebone – growing rapidly since discovery



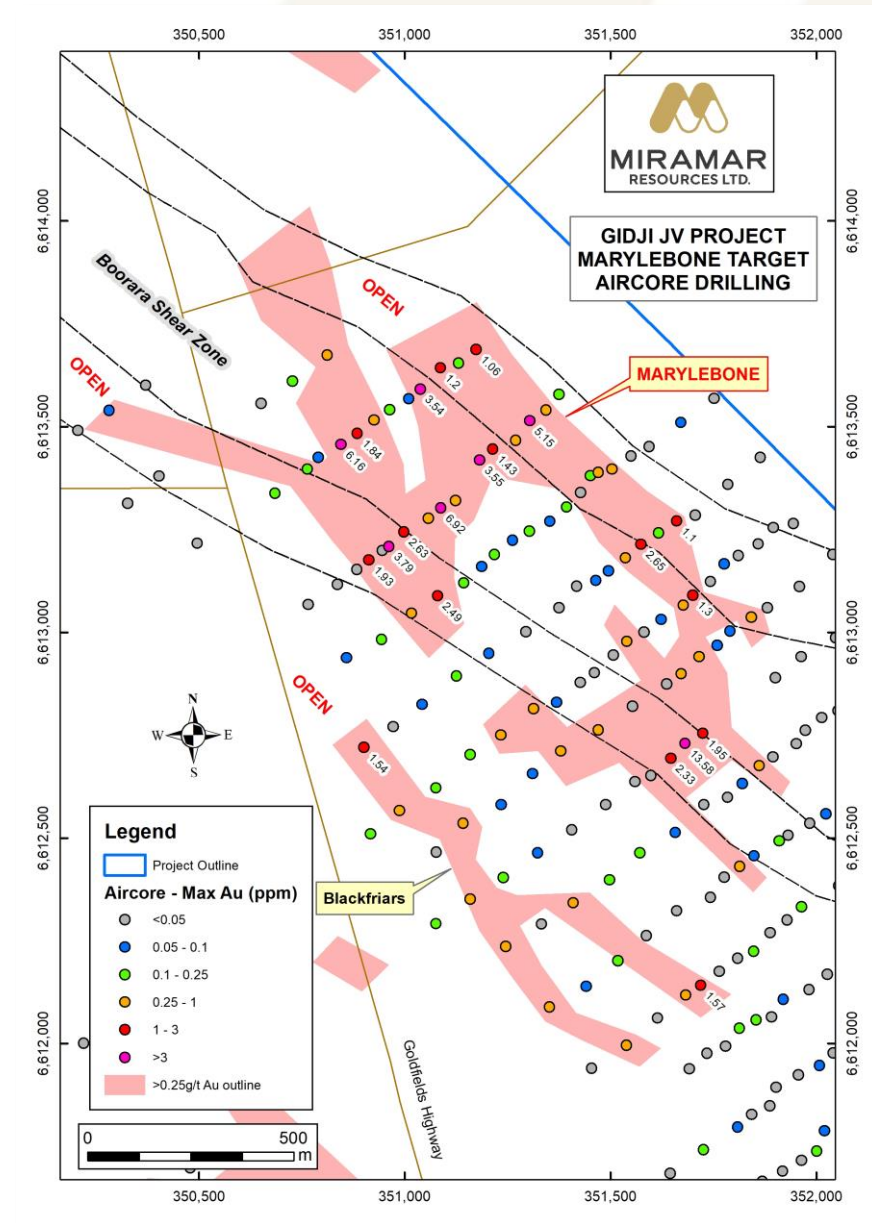


# Marylebone – Scale

*Marylebone's aircore footprint is comparable to De Grey's recent Hemi gold discovery*



(Source: De Grey Mining, 17 April 2020)



# Gidji JV – Next Steps

## Marylebone

- ✓ Extend ground magnetic survey
- ✓ Infill aircore and extend to NW
- RC/DDH drilling

## Southern Targets

- Soil sampling over “The Jog”
- Infill aircore (Blackfriars/Railway)
- RC drilling (Piccadilly/Railway/The Jog)

## Northern Targets (new tenements)

- Ground magnetic survey
- Aircore drilling along Boorara Shear Zone

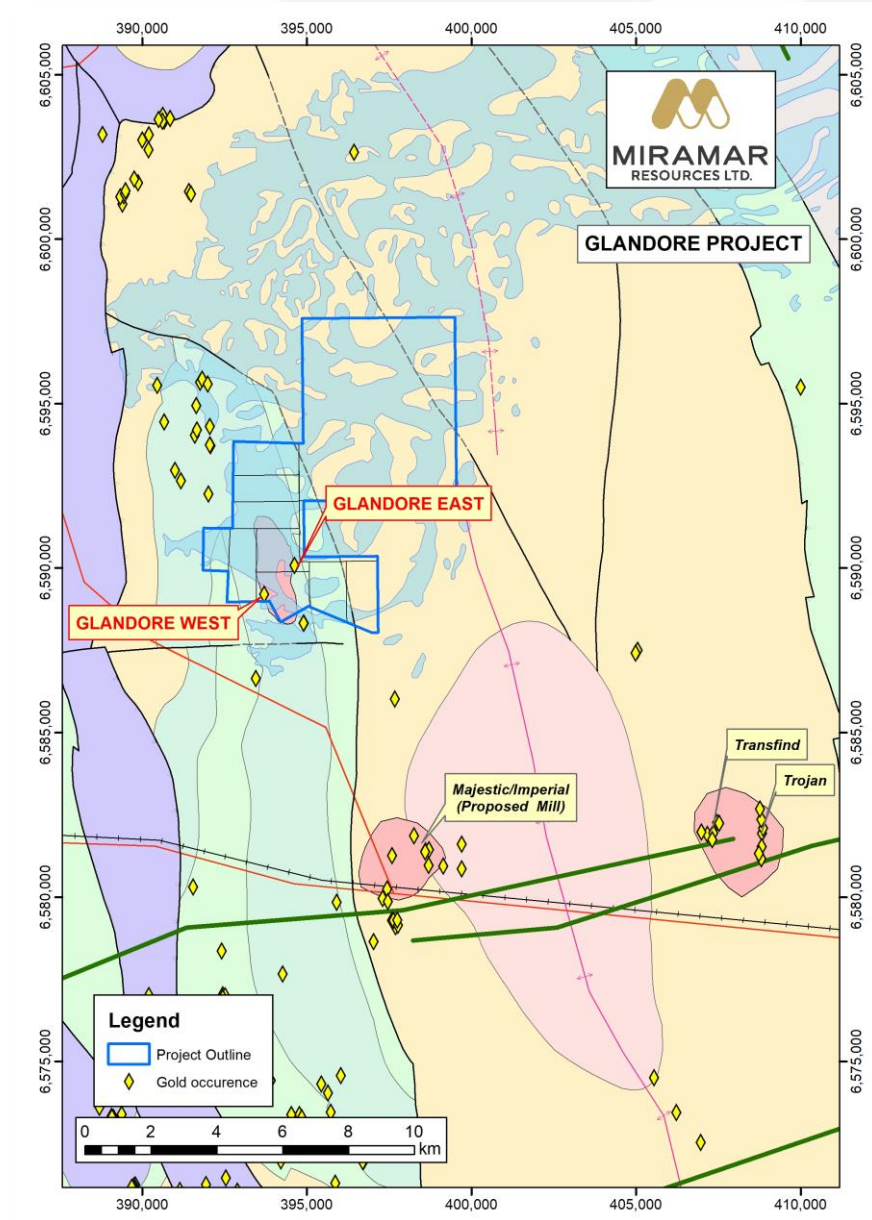




# Glandore

## Second highly prospective gold project

- 40km E of Kalgoorlie
- Close to mining/processing infrastructure
- Underexplored due to thin lake cover
- Similar geological setting to **Majestic** (0.48Moz) and **Trojan** (0.12Moz) deposits

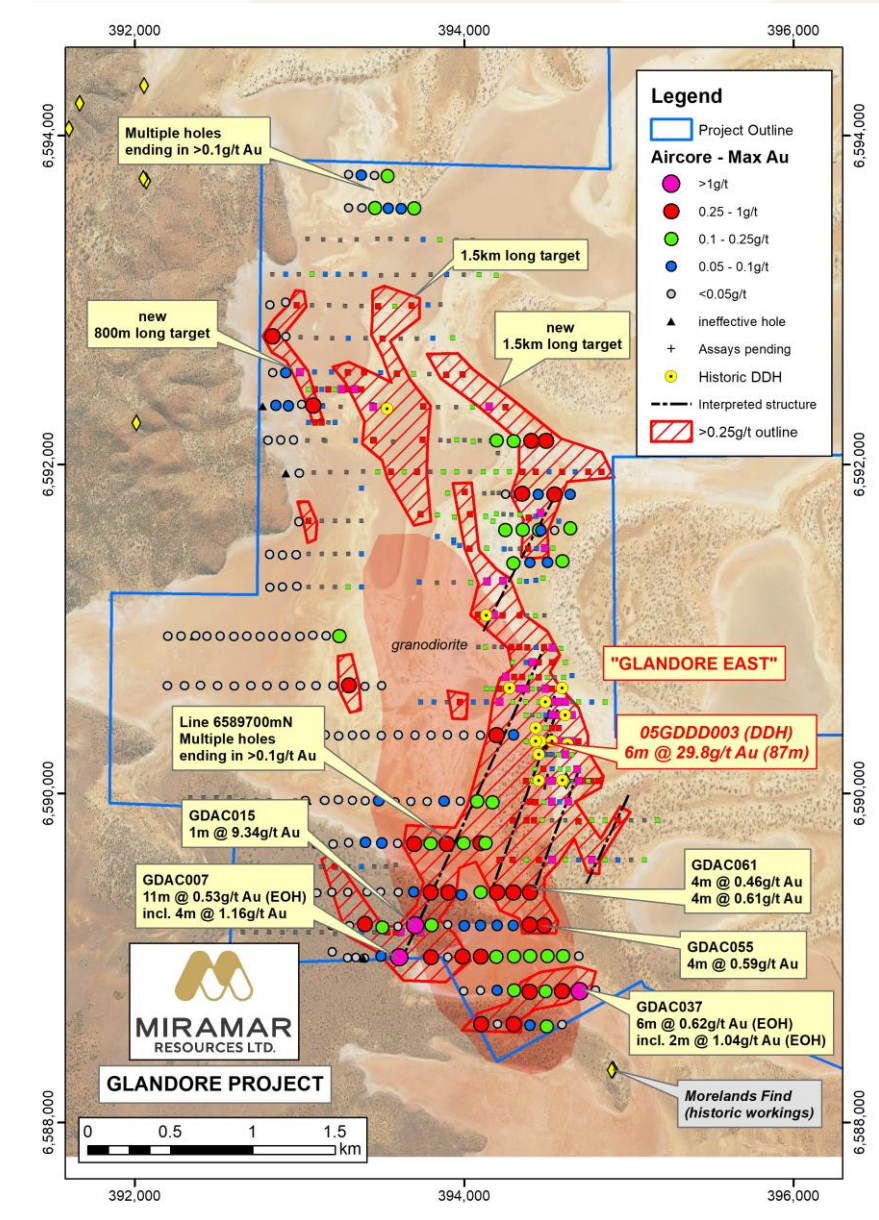




# Glandore

## Large gold system outlined under salt lake

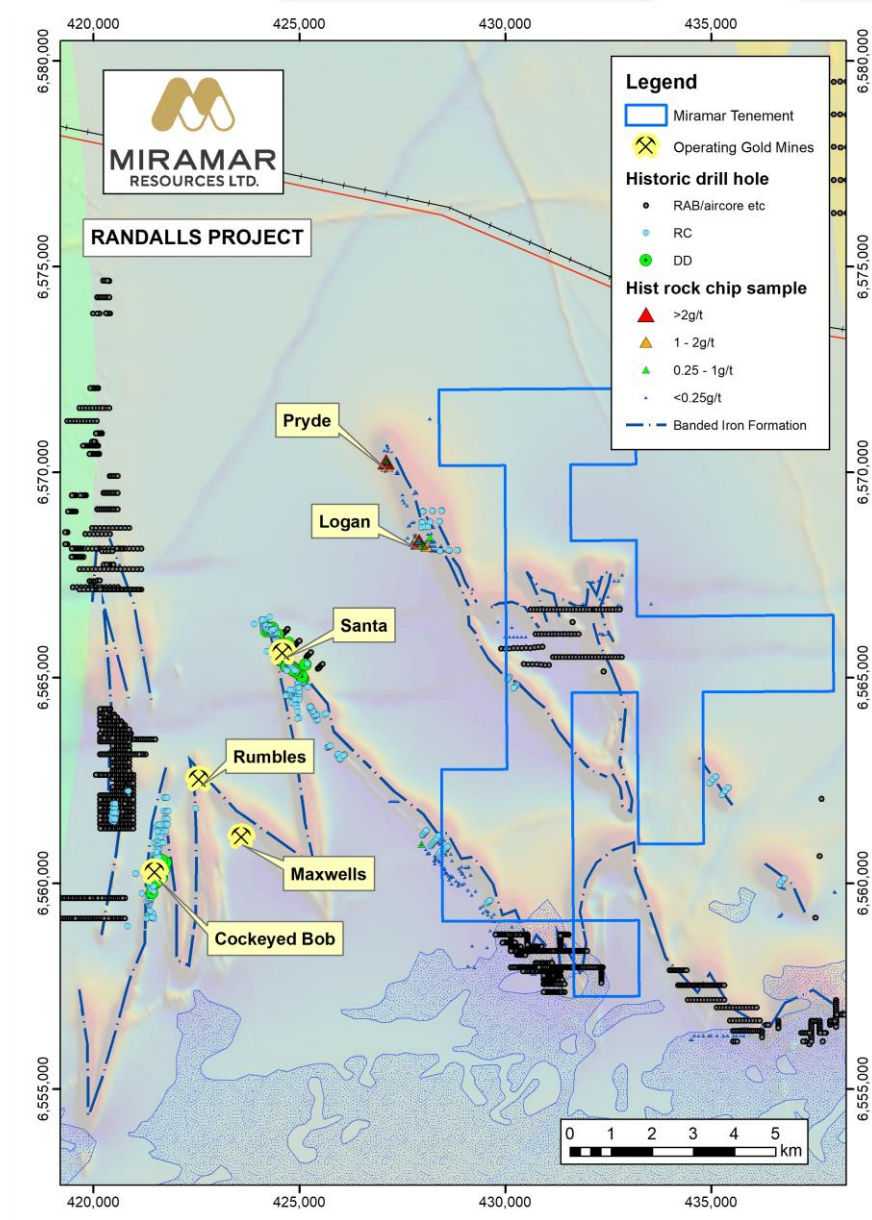
- Layered mafic complex intruded by granodiorite
- Historic DDH east of granodiorite
  - Bedrock results up to **6m @ 29.8g/t Au**
- Aircore drilling outlines **large coherent shallow supergene gold footprint**
  - multiple holes ending in >0.25g/t Au**
- NE-striking structures hosted in granite = **potential for “Majestic-style” mineralisation**
- Follow-up aircore and DDH planned



# Randalls

## Underexplored BIF along strike from high-grade gold operations

- 70km E of Kalgoorlie
- Adjacent to 1.5Moz “Mt Belches” gold operations (Silver Lake Res.)
- High-grade rock chips along strike at “**Pryde**” and “**Logan**” prospects
- Minimal drilling of BIF fold hinges
- Aircore +/- RC drilling planned following permitting/approvals





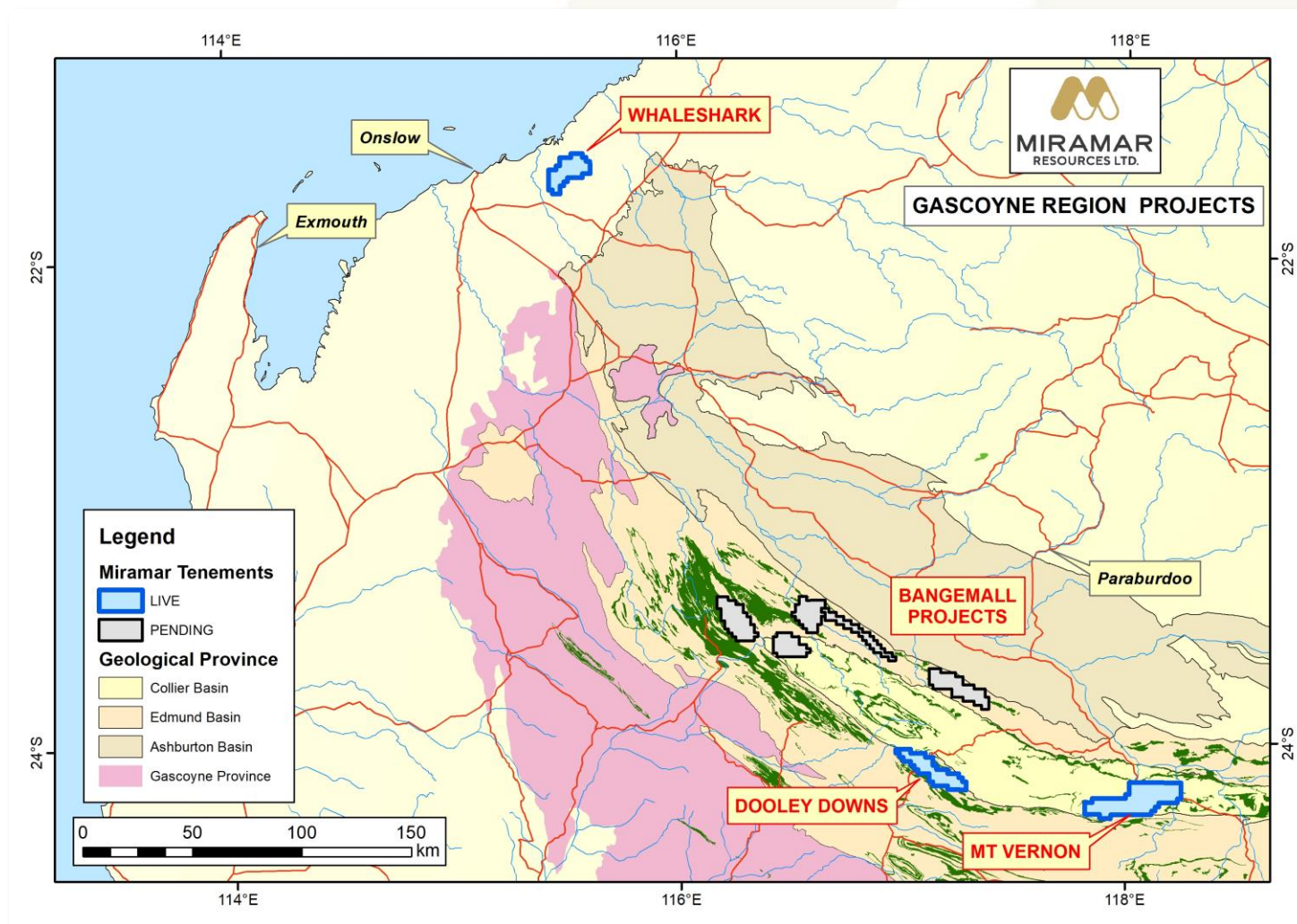
# Additional discovery opportunities

## Murchison region

- **Lang Well/Lakeside** – Underexplored greenstone belts near Deflector and Dalgara

## Gascoyne region

- **Whaleshark** – IOCG targets under Carnarvon Basin sediments
- **Bangemall Projects** - Strategic landholding in emerging **Ni-Cu-PGE** province

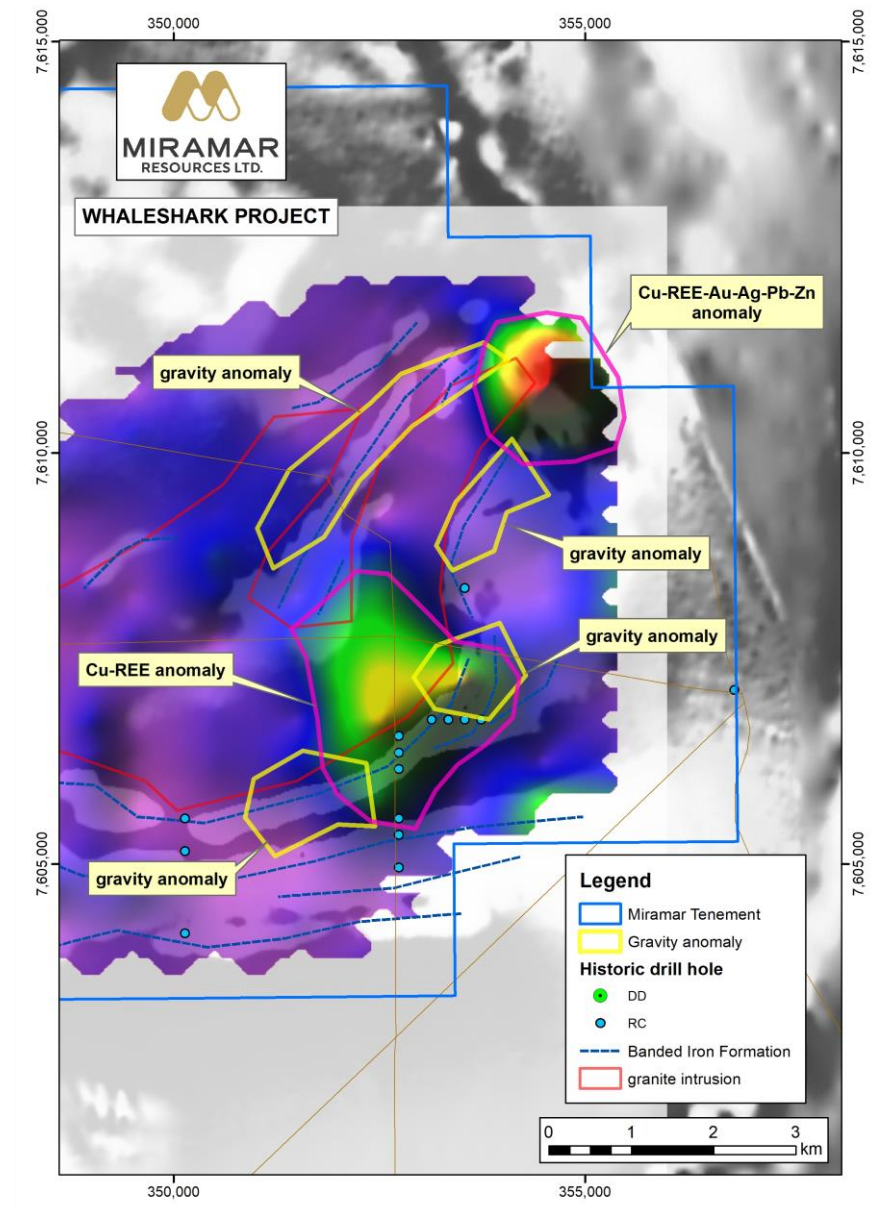




# Whaleshark

## IOCG targets beneath shallow cover

- Overlapping magnetic/gravity anomalies at edge of Proterozoic granite intrusion
- Depth to basement ~**120m**
- Large **Cu-REE** (+/- Au-Ag) anomalies from 1000m x 500m spaced sampling
- Peak Cu value **4600ppb**
  - Havieron 710ppb (3.4Moz)
  - Calibre 350ppb (2.1Moz)
- Awaiting assays from infill sampling



# Bangemall Ni-Cu-PGE Projects

## Potential for craton margin Ni-Cu-PGE's

### ■ Dooley Downs

- Adjacent to major crustal-scale structures (= potential feeder zone)
- Numerous Prot. dolerite sills intruding into sediments (= potential sulphur source)
- Late-time EM conductors

### ■ Mt Vernon

- Historic **Ni-Cu-PGE** soil anomalies
- EM survey planned for early 2022

### ■ Other applications awaiting grant



# Project pipeline = substantial upside

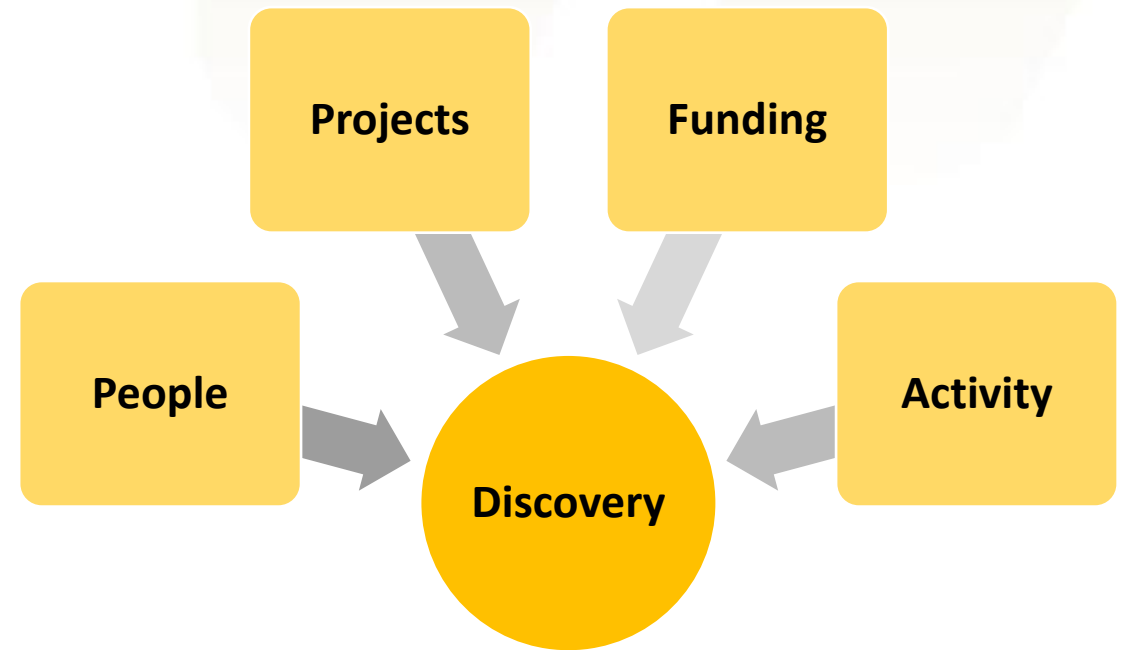
Project	Applications	Target Generation	Aircore Drilling	Bedrock Testing	Resource Definition
GIDJI JV			MARYLEBONE		
		Boorara SZ The Jog Claypan Lake	8-Mile Railway Blackfriars Piccadilly		
GLANDORE			GLANDORE EAST		
			Glandore West		
		Glandore EL			
RANDALLS		Randalls			
MURCHISON		Lang Well			
	Lakeside				
GASCOYNE	Bangemall	Dooley Downs Mt Vernon			
		Whaleshark			

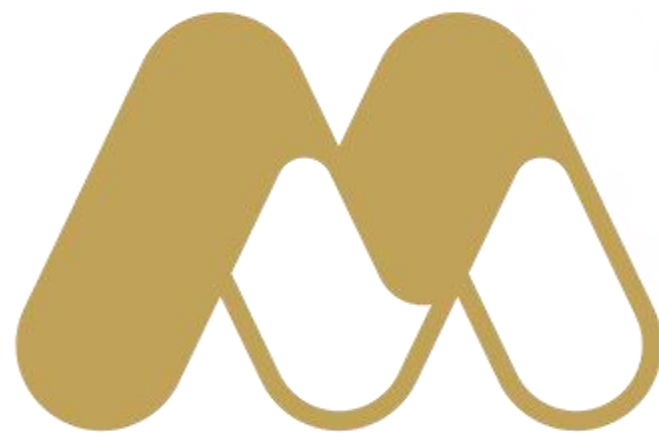




# Miramar – creating value through discovery

- Experienced Board with **track record** of discovery, development and production
- **Potential for large new gold discoveries** at **Gidji JV** and **Glandore**
- Additional opportunities in the **Eastern Goldfields, Murchison** and **Gascoyne**
- Strategic land position in **emerging Ni-Cu-PGE province**
- **Regular news flow** with **75%** of funds spent on the ground
- **Substantial value upside** with ongoing exploration success





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