



**MIRAMAR**  
RESOURCES LTD.

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# Miramar Resources Ltd

*“Creating shareholder value through discovery”*

**GOLD COAST INVESTMENT SHOWCASE - JUNE 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.

Information relating to results for the Gidji JV project, including JORC Table 1 and 2 Information, is included in the following ASX Releases:

1 Feb 2021 – “GIDJI AIRCORE DRILLING OUTLINES 4KM MINERALISED STRUCTURE AND MULTIPLE TARGETS”

11 Feb 2021 – “HIGH-GRADE GOLD AT GIDJI UPGRADES TARGETS”

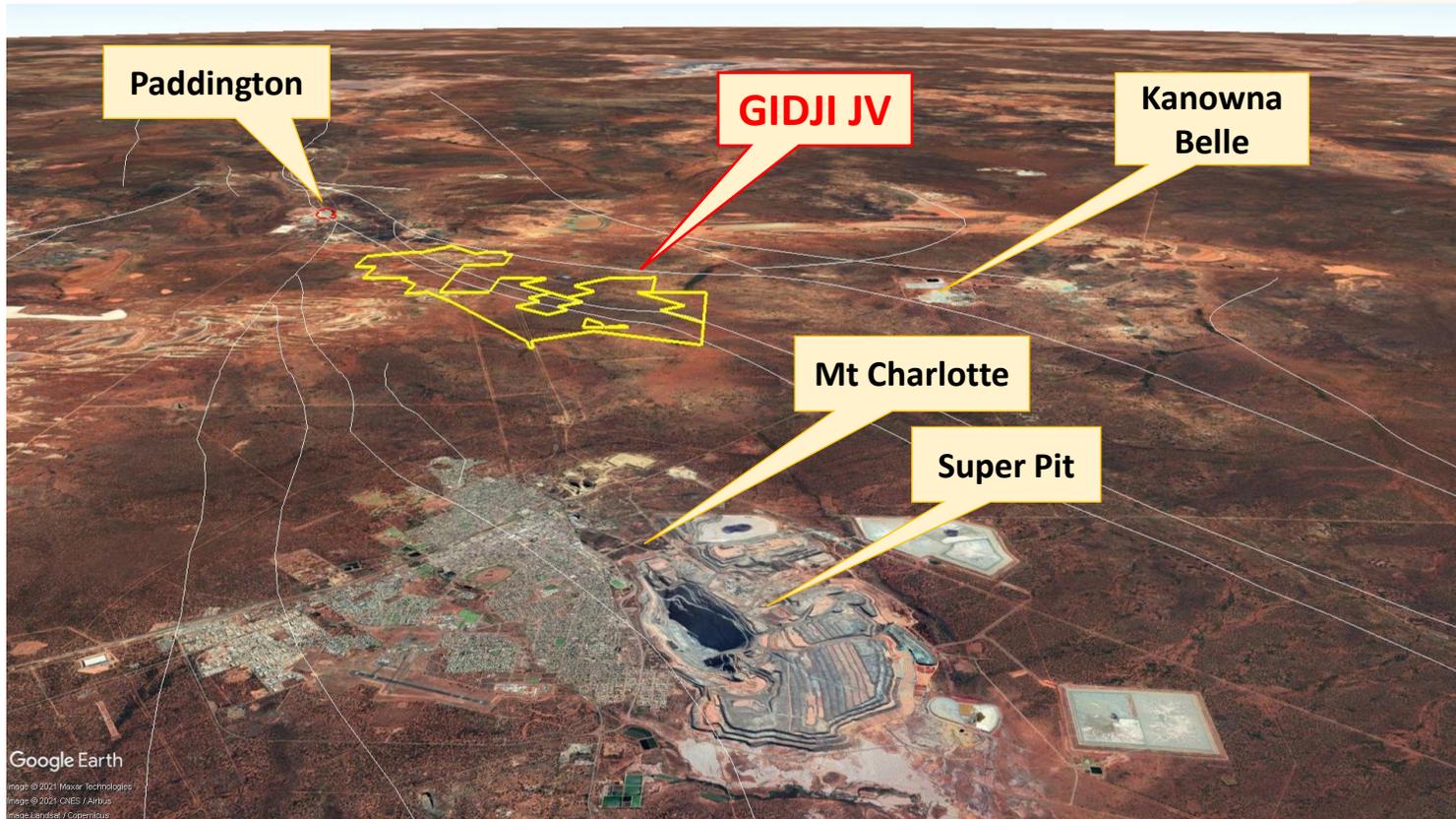
12 Apr 2021 – “GIDJI DRILLING EXTENDS RUNWAY AND HITS VISIBLE GOLD”

15 Apr 2021 – “GIDJI DIAMOND DRILLING – ADDITIONAL INFORMATION”

6 May 2021 – “GIDJI JV PROJECT - EXPLORATION UPDATE”

# Miramar Resources Limited

*“Exploring on Kalgoorlie’s doorstep”*



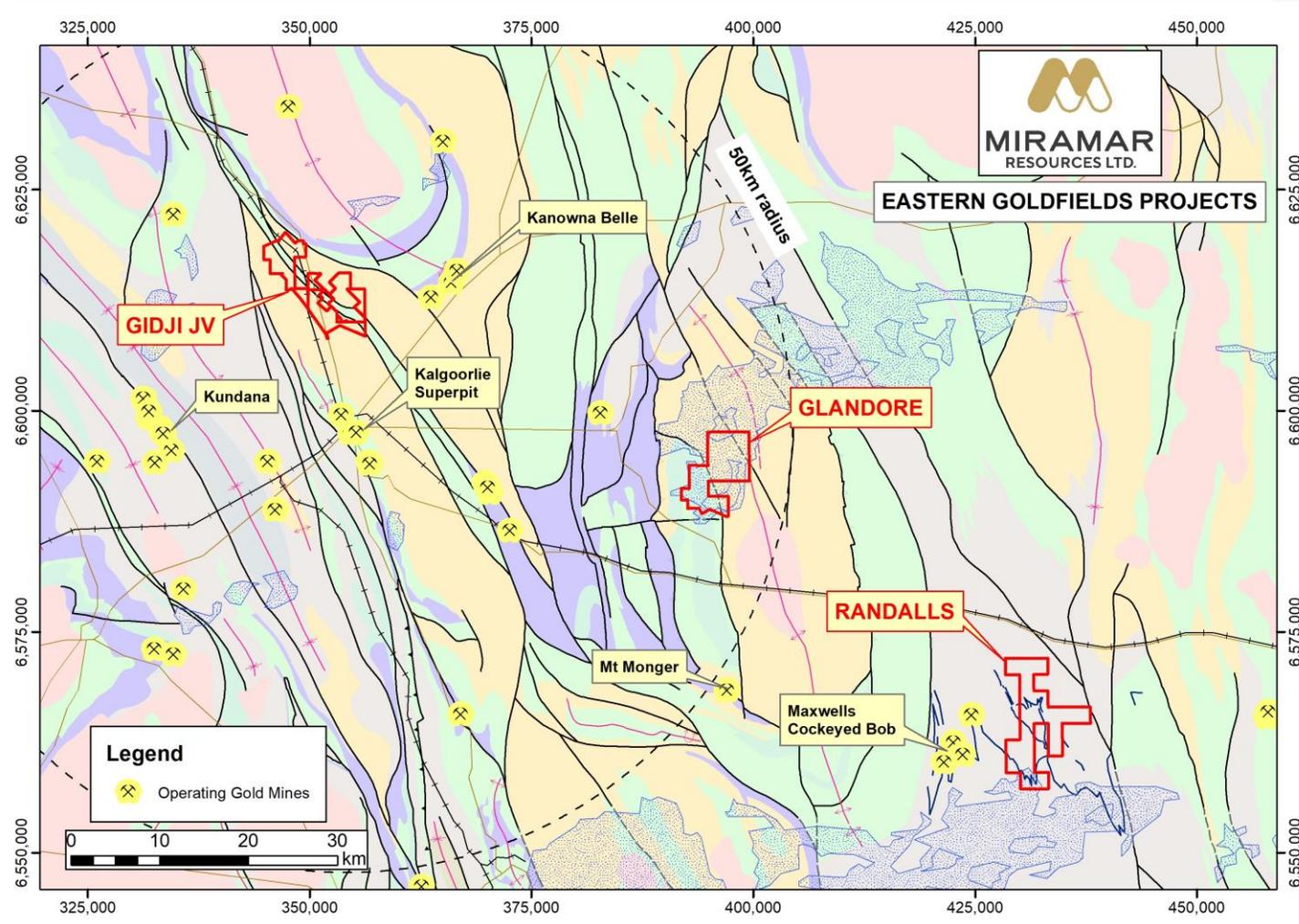
- **WA-focussed** mineral exploration company
- **Gidji JV** - potential for a new gold discovery in the **Eastern Goldfields**
- Additional discovery opportunities in the **Murchison** and **Gascoyne** regions
- Strategic land position in emerging **Ni-Cu-PGE** province
- **Track record** of discovery, development and production

# Corporate Overview

ASX Code	M2R
Shares on Issue	<b>55.1M</b>
• <i>Incl. escrowed shares</i>	7.84M
Options (20-48c)	<b>17.3M</b>
Market Cap (@ 20c)	<b>\$11.0M</b>
Cash (31 March 21)	<b>\$6.0M</b>
Enterprise Value	<b>\$5.0M</b>
Substantial Shareholders	%
XGS Pty Ltd (Allan Kelly)	12.2
<b>Top 20</b>	<b>40.0</b>
Board	13.2

Experienced Board	
<b>Allan Kelly</b> (Executive Chairman)	<ul style="list-style-type: none"> <li>Geologist/Geochemist/Manager</li> <li><b>25+ years experience</b> in mineral exploration, development and production in Aus and North America</li> <li><b>Founding MD, Doray Minerals Ltd</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 within the UK, Australia, Africa, and South America</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 management 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>15+ years experience with public and private companies</li> </ul>

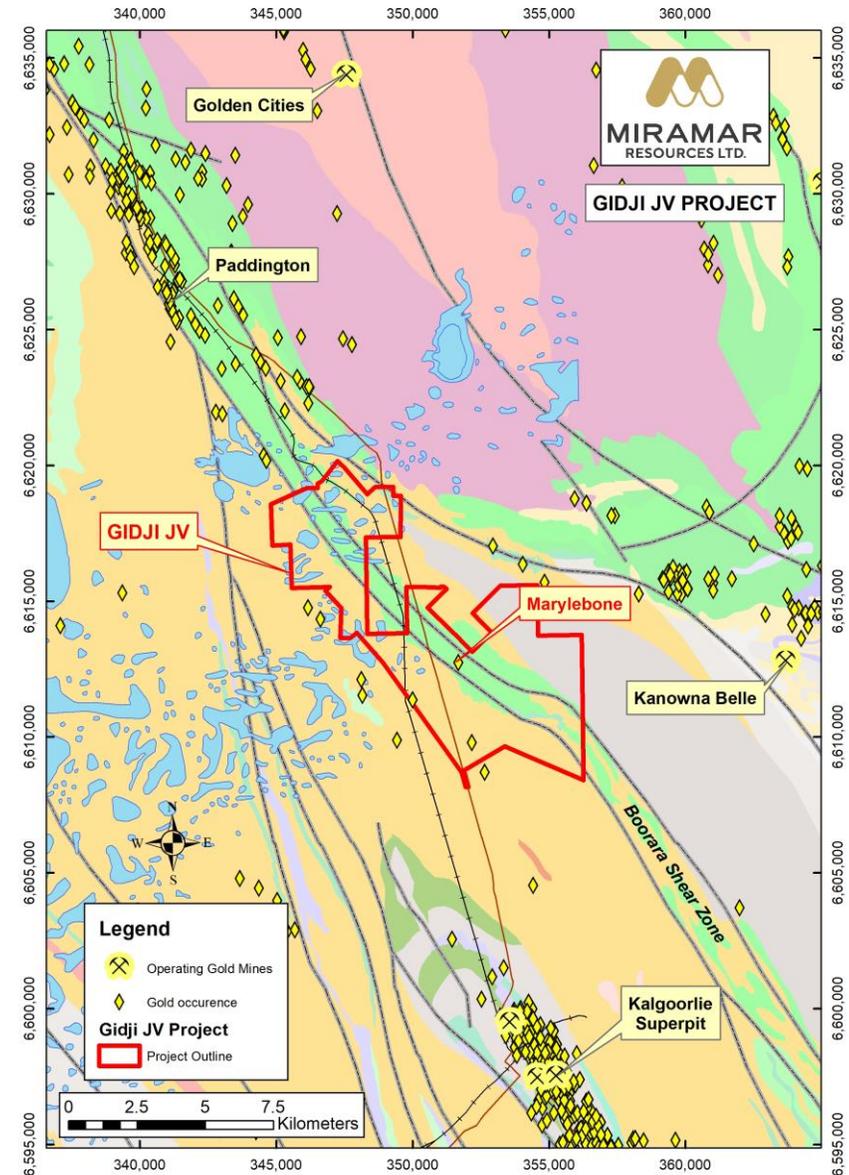
# Eastern Goldfields Projects



- 3 Underexplored projects near existing mining and processing operations:
  - **Gidji JV (80%)** – potential for a large new gold discovery close to Kalgoorlie
  - **Glandore** – >2km long zones of underexplored gold mineralisation
  - **Randalls** – underexplored folded BIF adjacent to Silver Lake gold operations

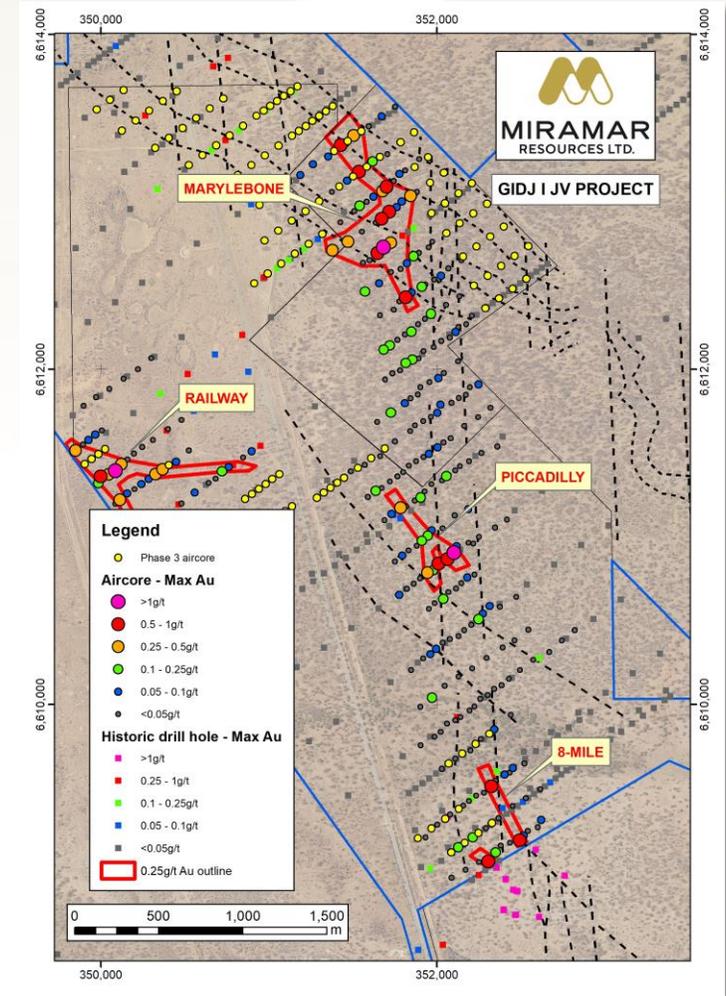
# Gidji JV (80%)

- Strategic location **15km N of Kalgoorlie**
- **15km segment** of major regional structure along strike from major deposits
  - **Paddington (10 Moz)**
  - Boorara (0.45Moz)
  - Zoroastrian/Excelsior (0.88Moz)
- **Previously underexplored**
  - Mostly shallow RAB/aircore
  - Most holes angled and <50m
  - Paleochannel cover obscures prospective geology
- Excellent access via major highway
- Proximity to mining/processing operations

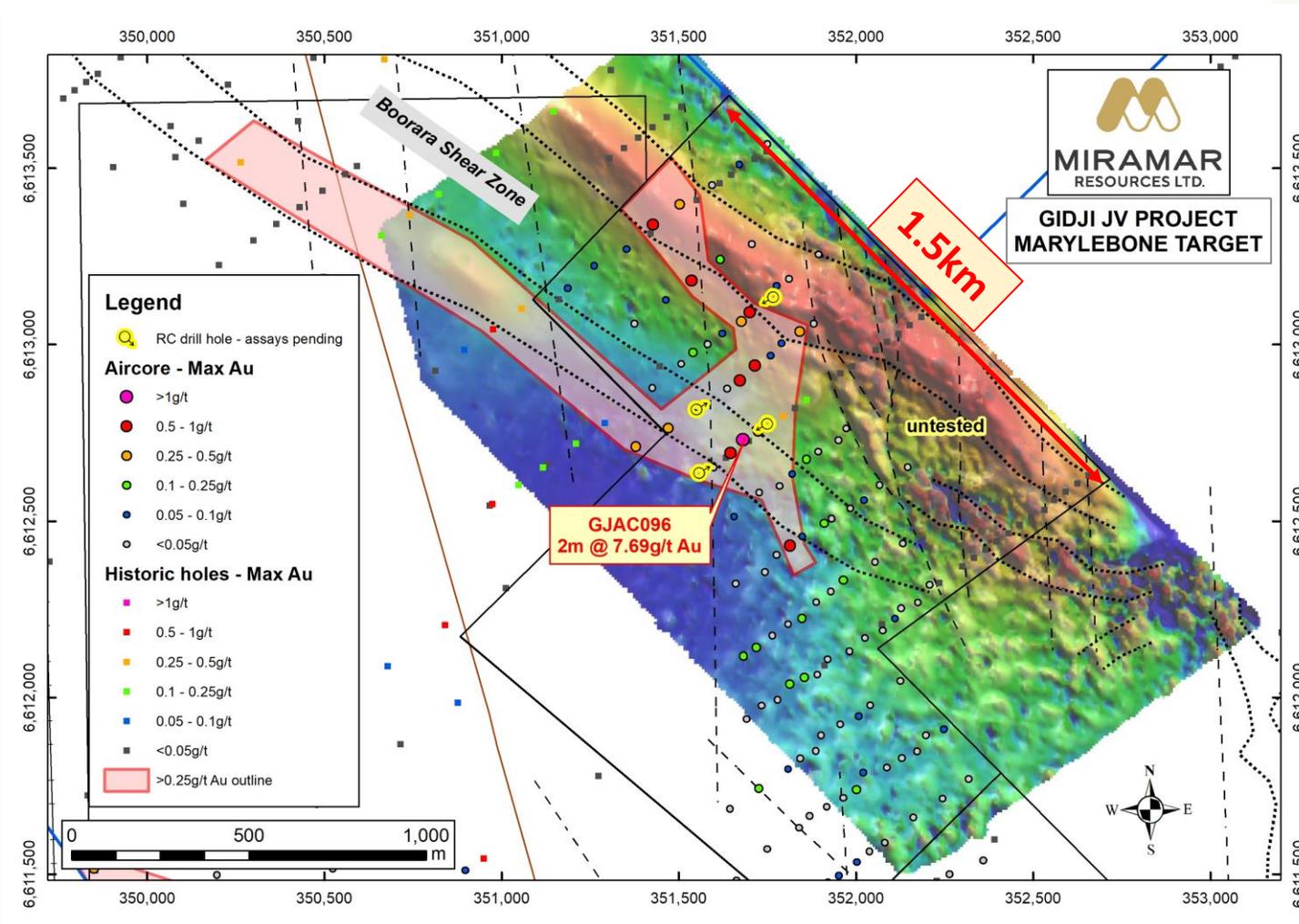


# Gidji - Progress to date

- Dec 20 – Aircore drilling outlined several large new targets:
  - **Marylebone (2m @ 7.69g/t Au)**
  - **Railway**
  - **Piccadilly (1m @ 4.53g/t Au)**
  - **8-Mile**
- Mar/Apr 21
  - Phase 2 aircore upgraded and extended targets
  - DDH intersected **high-grade gold** at **8-Mile** target
- May/June 21
  - Ground mags completed over **Marylebone**
  - RC drilling and Phase 3 aircore – awaiting assays



# Marylebone – high priority target

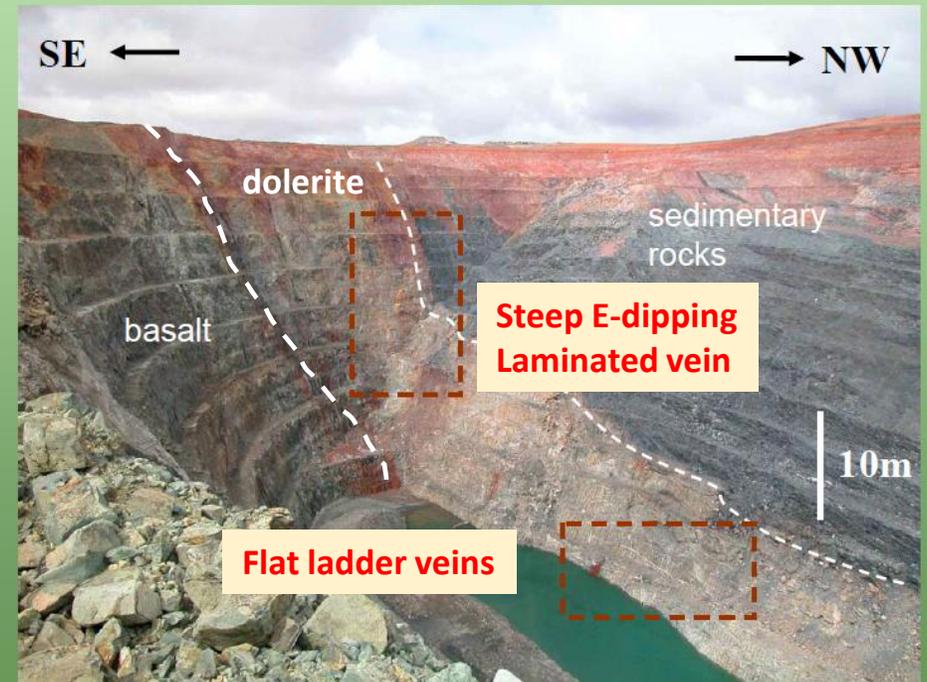
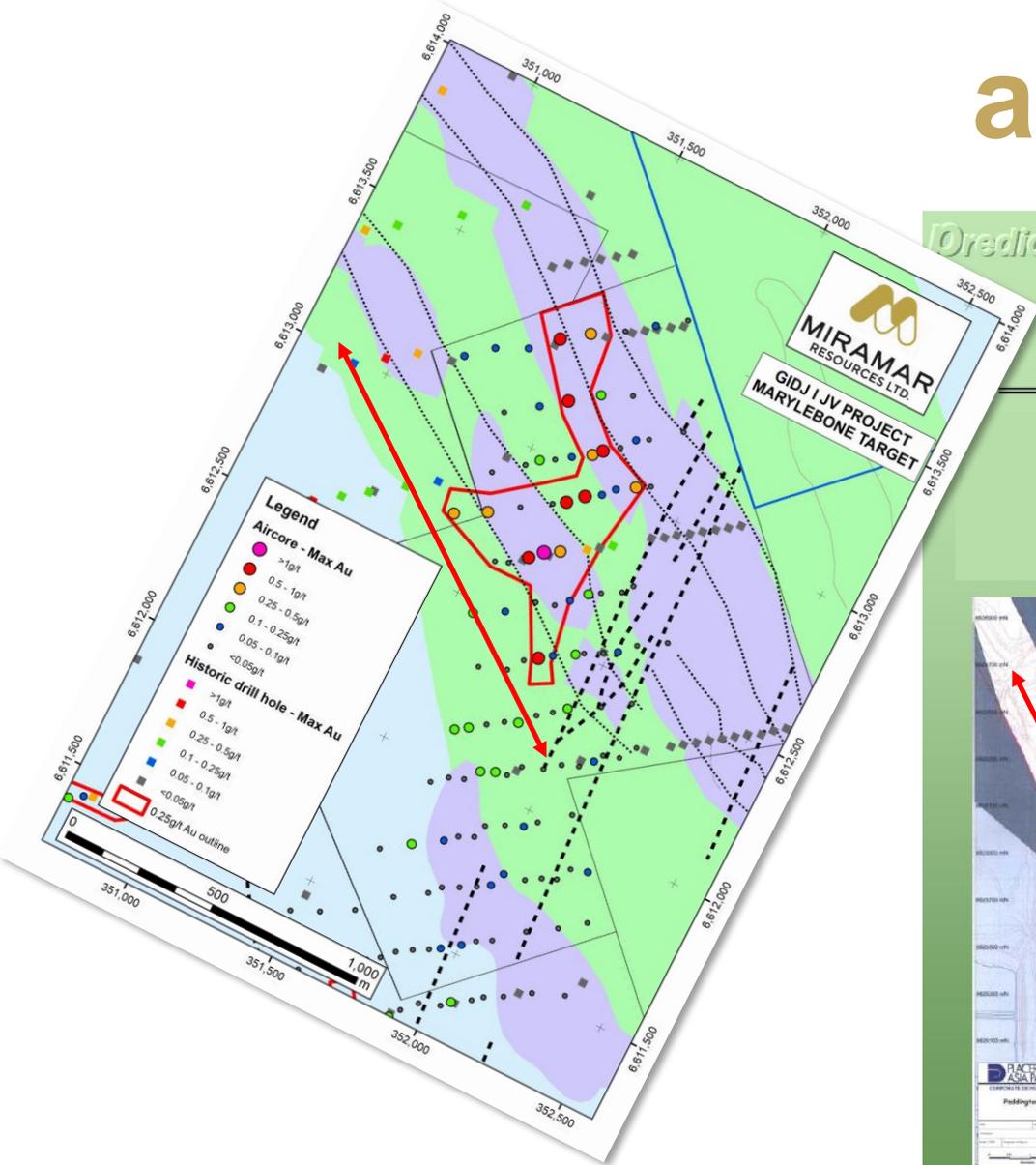


- Geology, structure and scale similar to nearby Paddington deposit
- >1.5km aircore anomaly with **high-grade gold**
  - (2m @ 7.69g/t Au)
- **Open along strike**
- Ground magnetic survey helps refine local geology and structure
- RC and Phase 3 aircore drilling completed
  - awaiting assays

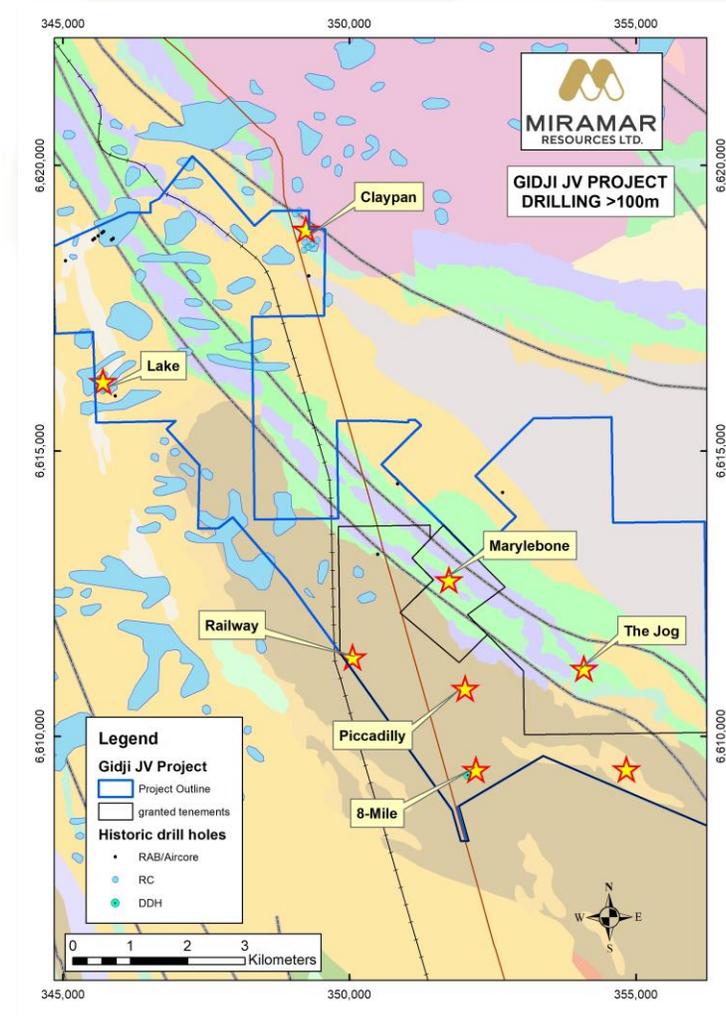
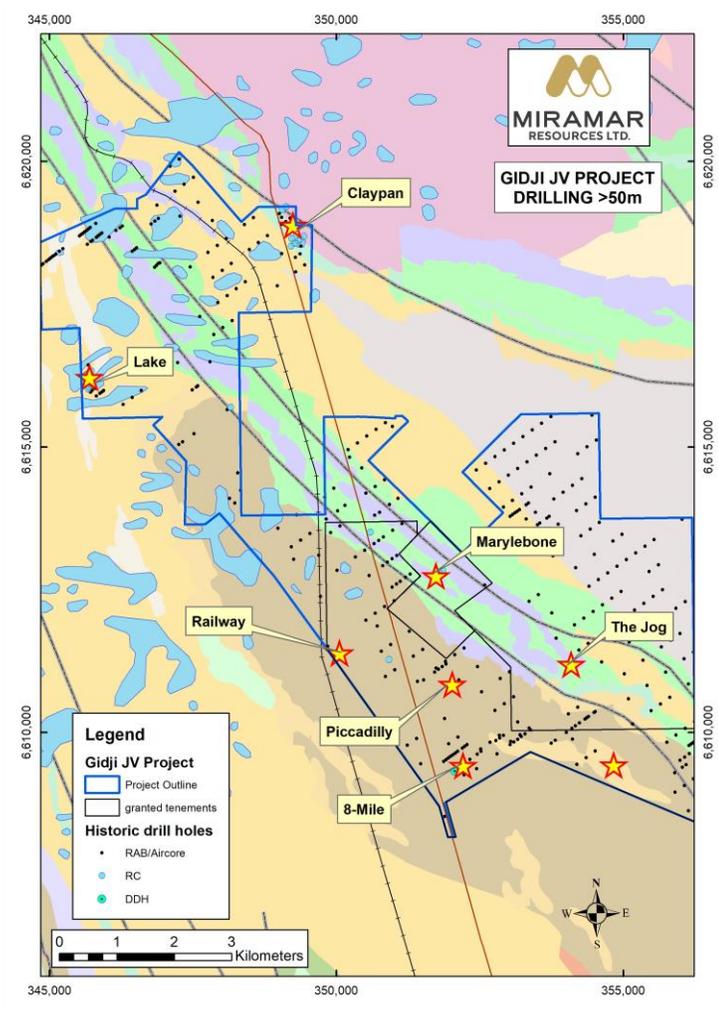
# a Paddington lookalike?

Predictive Mineral Discovery

## Paddington

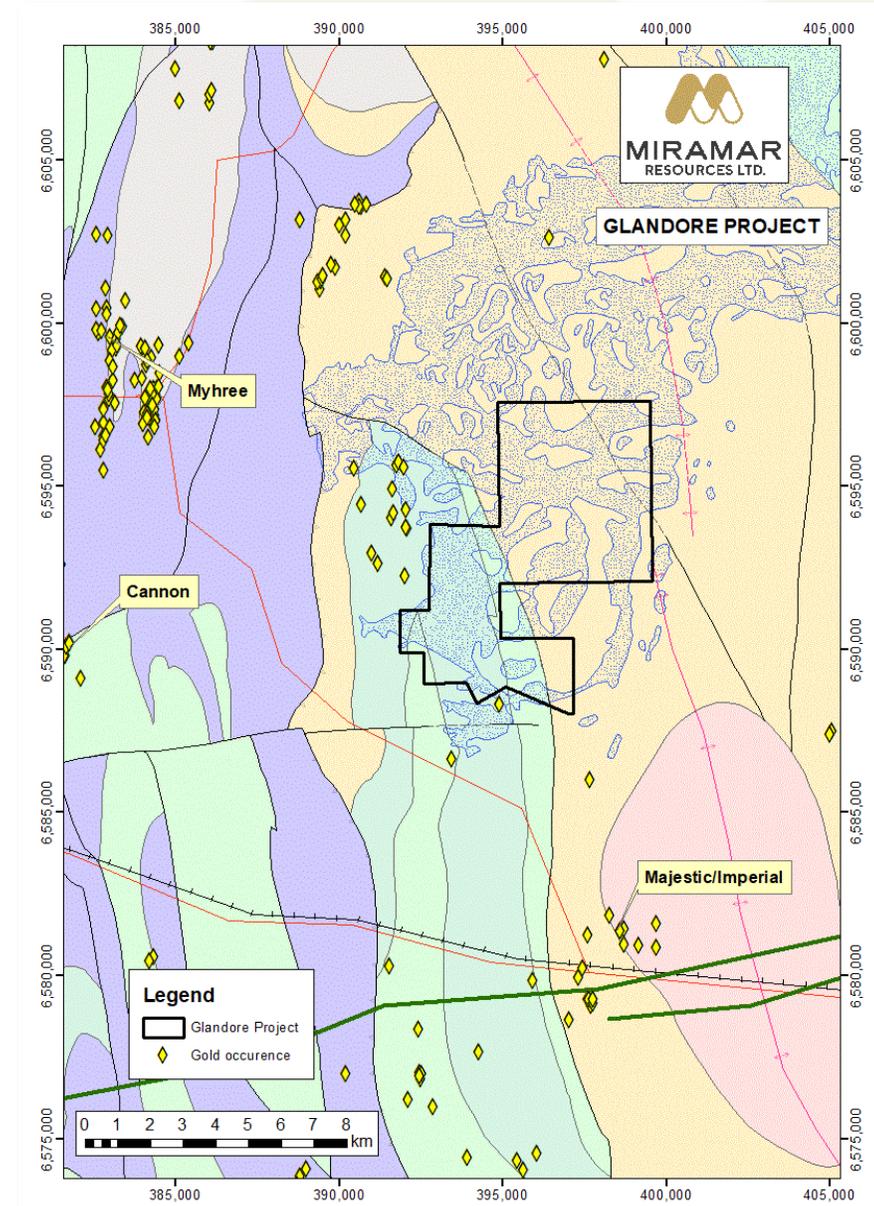


# Underexplored with minimal deep drilling



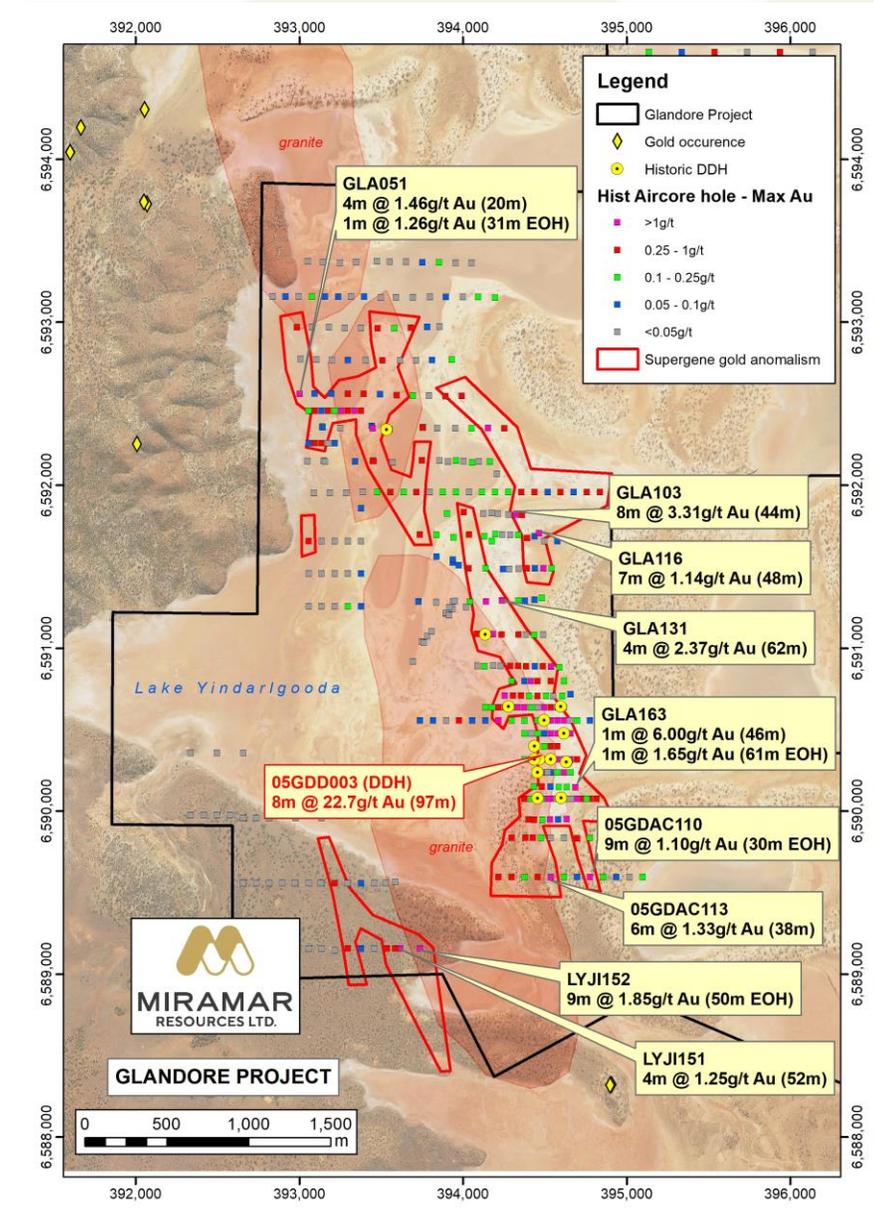
# Glandore

- **40km east of Kalgoorlie** - close to mining and processing infrastructure
- Under-explored due to salt lake cover
- Heritage approvals received
- Maiden drilling programmes planned



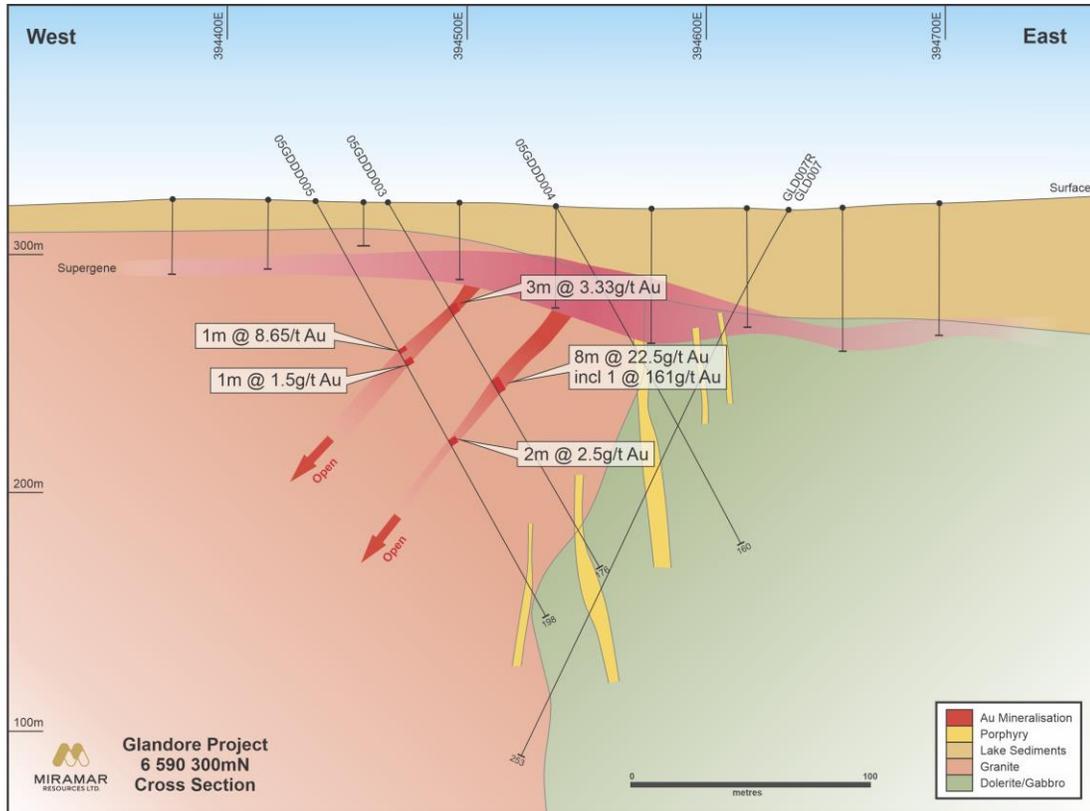
# Glandore

- Layered mafic complex intruded by granite
- **East Target** – supergene mineralisation over >2.5km strike with **limited bedrock testing**
  - 8m @ 22.5g/t Au (DDH)
  - 4m @ 3.12g/t Au
  - 5m @ 1.76g/t Au
  - **Open to south** for another 800m
- **West Target** – untested for >2km
  - Several historic holes end in >1g/t Au
- Lake/land aircore drilling programmes planned



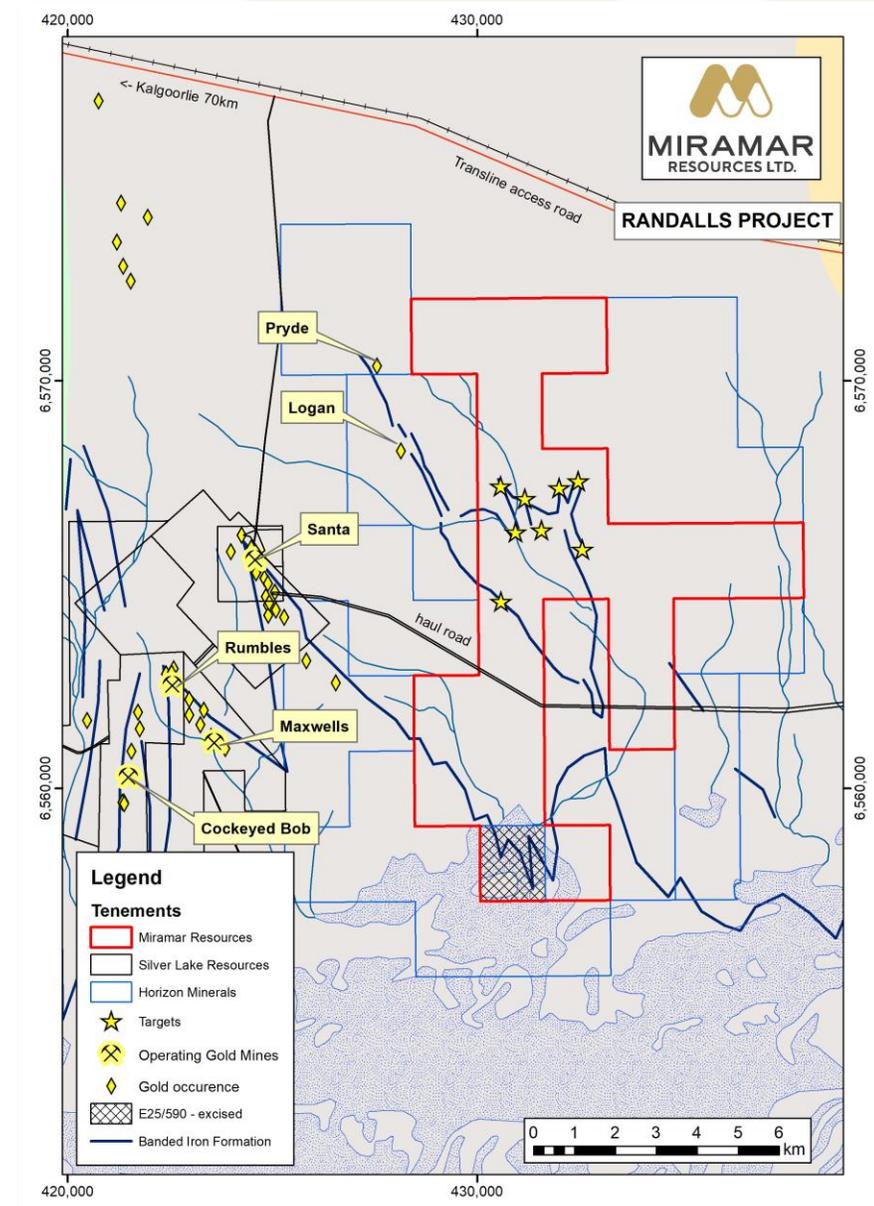
# Glandore East

- Layered mafic sill intruded by granite
- Widespread gold anomalism at base of lake sediments
- Limited bedrock testing with shallow DDH
- Primary mineralisation hosted in W-dipping quartz veins near contact
- Open at depth and along strike**

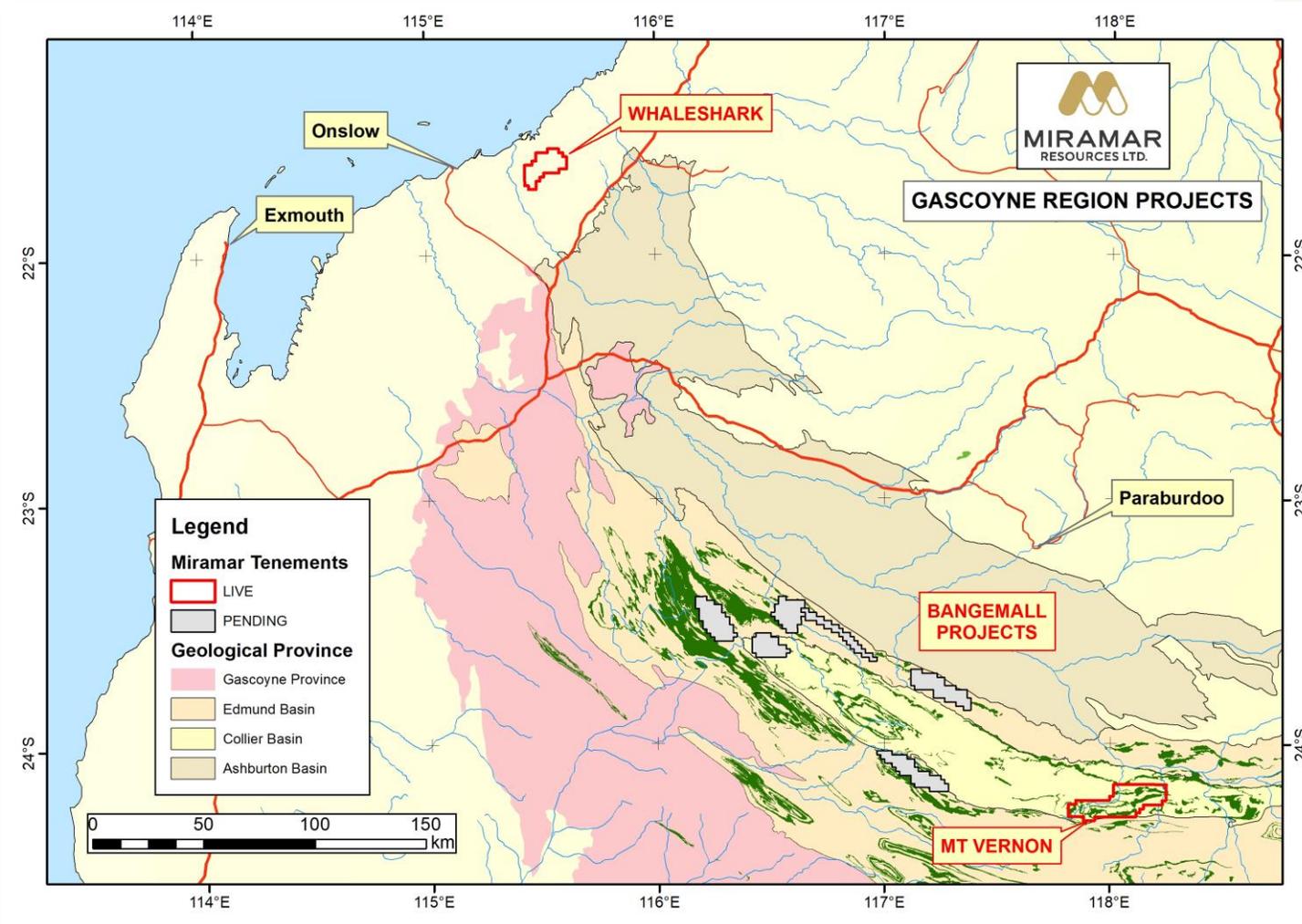


# Randalls

- 70km east of Kalgoorlie - adjacent to Silver Lake's "Mt Belches" gold mines
- Poorly explored - minimal drilling of BIF
- Numerous targets identified
- Awaiting tenement grant



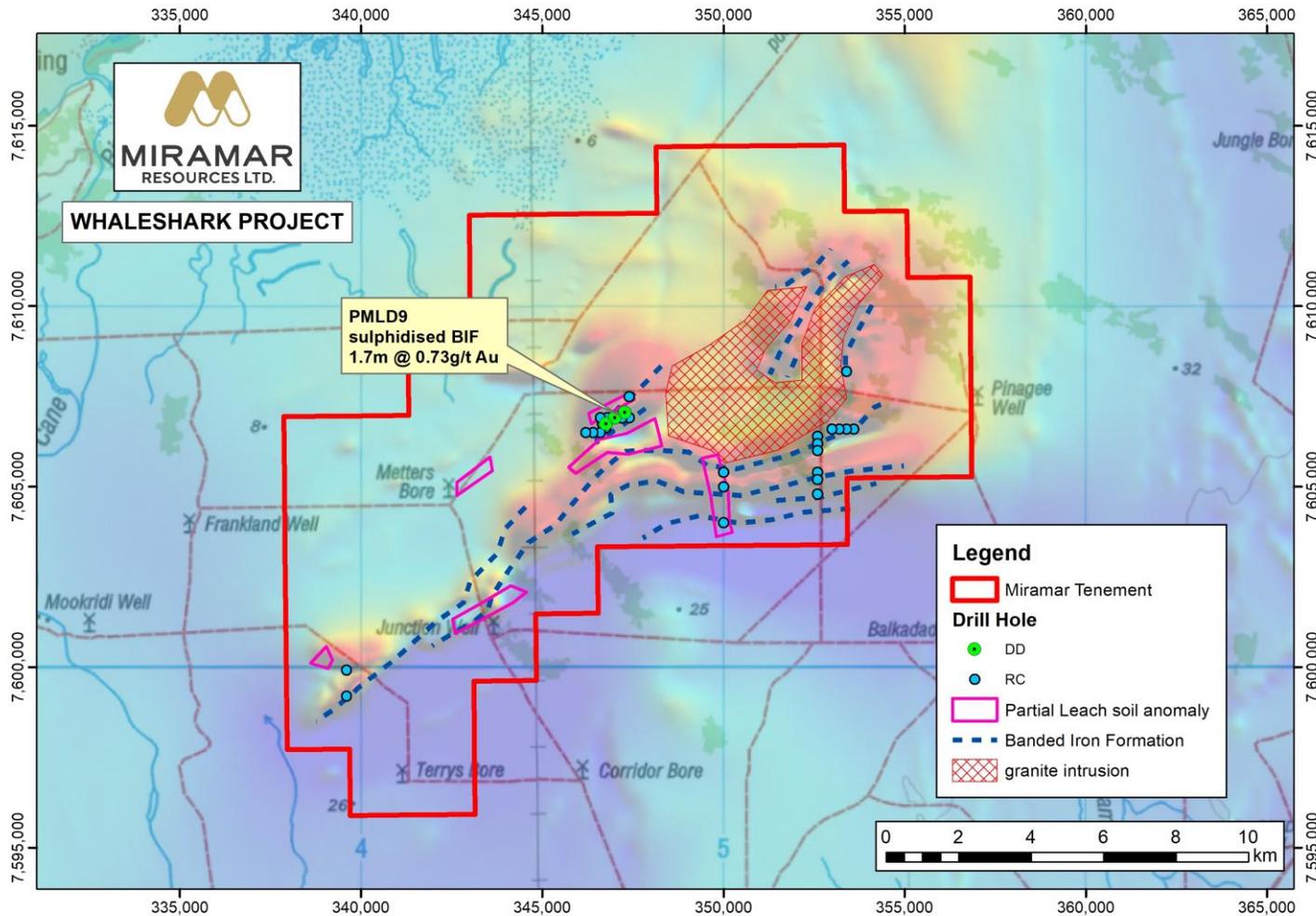
# Gascoyne region projects



Two projects within the  
Capricorn Orogen

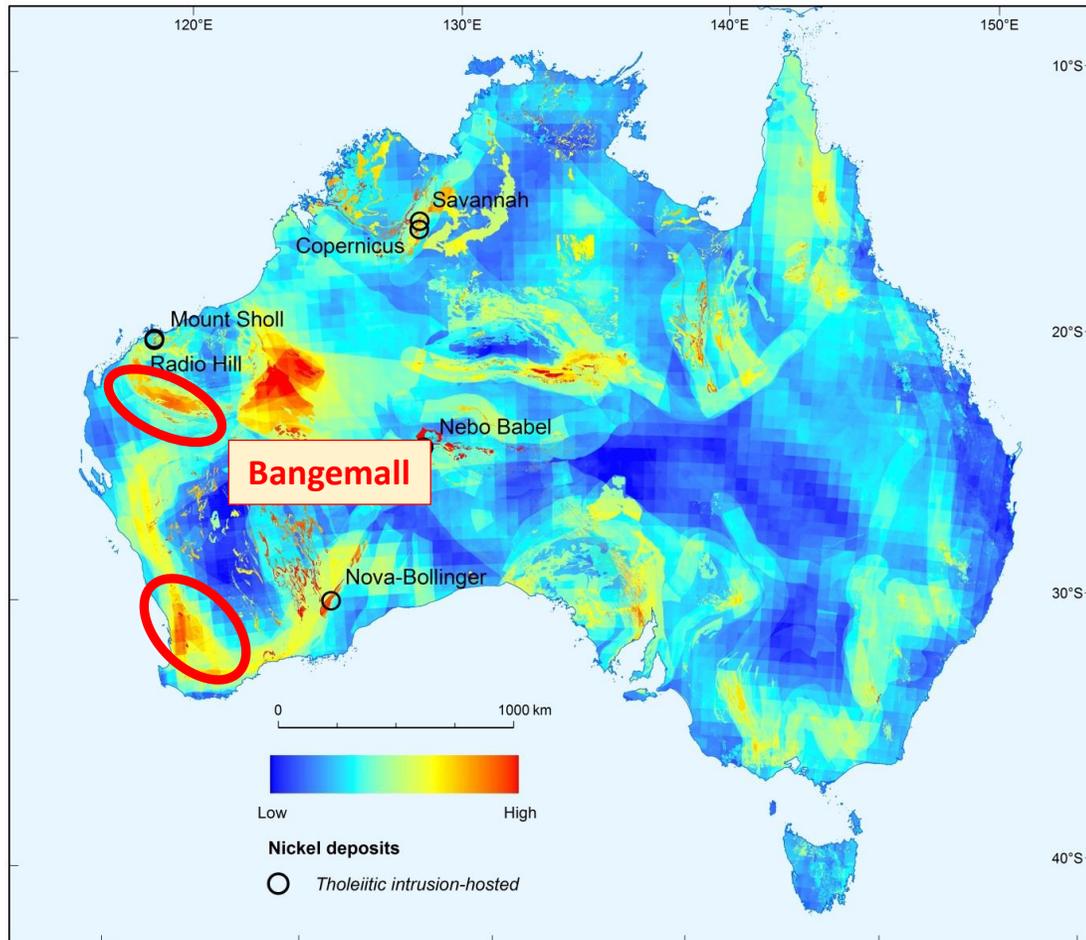
- **Whaleshark**
  - Large BIF complex under Carnarvon Basin sediments
- **Bangemall (Ni-Cu-PGE)**
  - Strategic landholding in emerging province
  - Mineral potential recognised by state/federal governments

# Whaleshark



- Large folded BIF intruded by granite
- Prospective for
  - **BIF-hosted gold**
  - **IOCG**
- Depth to basement ~120m
- Historic drilling intersected gold in sulphidised BIF
- MMI soil sampling planned for Sept Qtr

# Bangemall – Emerging Ni-Cu-PGE Province

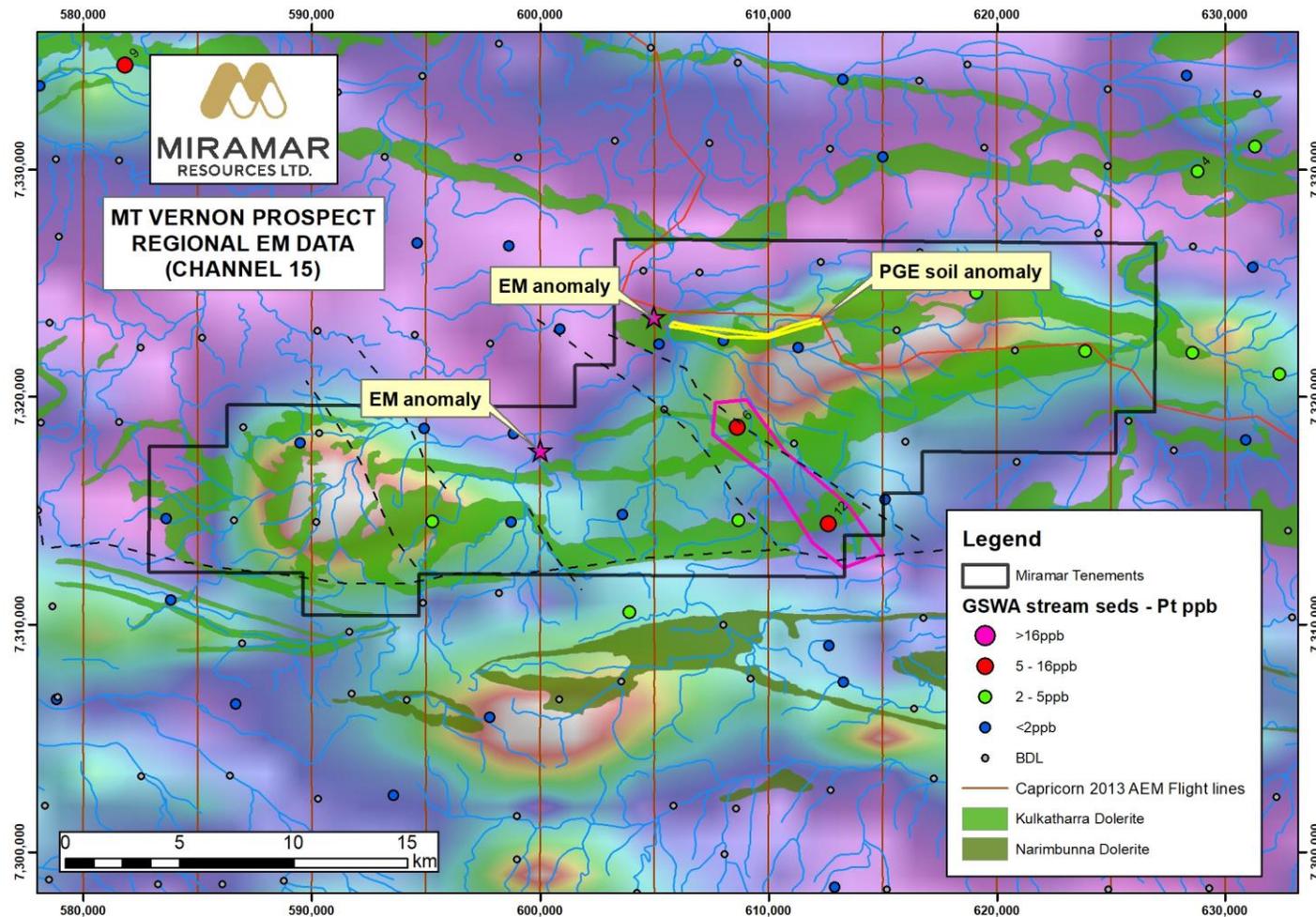


“Potential for intrusion-hosted Ni-Cu-PGE sulfide deposits in Australia”,  
Geoscience Australia Record 2016/01

## 2016 Geoscience Australia “Atlas”

- Continental-scale assessment of intrusion-hosted **Ni-Cu-PGE** potential
- Combined evidence of four key mineral system components:
  - Energy sources/system drivers
  - Mantle/crustal architecture
  - Sources of ore metals
  - Gradients in depositional parameters
- Highlighted several areas not previously recognised
  - **Southwest WA – Julimar** discovery
  - **Bangemall** region

# Bangemall – Mt Vernon Target



Tenement granted Jan 2021

Key ingredients:

- Located between two major crustal-scale faults
- Numerous Proterozoic dolerite dykes/sills
- **Ni-Cu-PGE** stream sediment anomalism
- Large **late-time AEM conductors**
- Minimal **Ni-Cu-PGE** exploration
- **EM survey scheduled for H2 2021**

# Developing a pipeline of drill targets

Region	Project	Tenement grant	Target Generation	Aircore drilling	Bedrock testing	Advanced Exploration
Eastern Goldfields	Gidji JV	<i>The Jog Claypan Lake</i>		Piccadilly Railway Marylebone 8-Mile		
	Glandore		Glandore			
	Randalls	<i>Randalls</i>				
Murchison	Lang Well		Lang Well			
	Lakeside	<i>Lakeside</i>				
Gascoyne	Bangemall	<i>various</i>	Mt Vernon			
	Whaleshark		Whaleshark			

# 2021 work programme/news flow

Region	Project	Mar 21 Qtr	Jun 21 Qtr	Sep 21 Qtr	Dec 21 Qtr	
Eastern Goldfields	Gidji JV	Aircore				
			magnetics			
			RC			
		DDH			DDH	
	Glandore			gravity		
					Aircore	
						DDH
	Randalls		Tenement grant?	Geochem/GPX	Aircore/RC	
Murchison	Lang Well	gravity		Aircore		
	Lakeside					
Gascoyne	Whaleshark			Geochem		
	Mt Vernon			Airborne EM		
	Bangemall		Tenement grant?	Geochem/GPX		
<b>News flow</b>		<b>Results</b>	<b>Results</b>	<b>Results</b>	<b>Results</b>	

# Summary

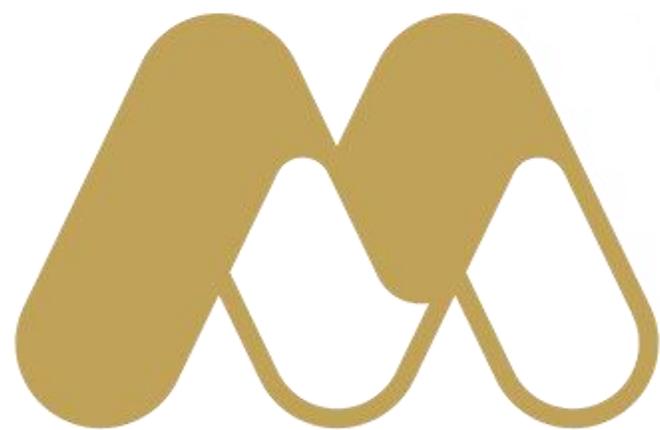
Since listing in Oct 20, Miramar has:

- Discovered **high-grade gold** across multiple new targets at **Gidji**
- Completed permitting and preparations for initial drilling at **Glandore**
- Secured a strategic landholding in an emerging **Ni-Cu-PGE** province

Miramar has the key ingredients to create **shareholder value** through **discovery**:

- **People** - Track record of successful discovery, development and production
- **Projects** - Highly prospective projects in world class locations
- **Funding** - Well funded after \$8M IPO





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