

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

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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.

Aiming to create value through discovery

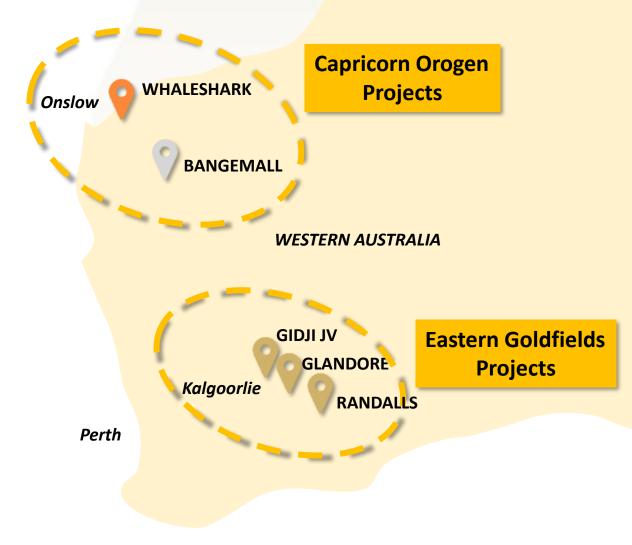
Targeting large discovery opportunities

- Large shallow IOCG targets at Whaleshark
 - (e.g. Ernest Henry, Carrapateena)
- Multiple Ni-Cu-PGE targets at Bangemall
 - (e.g. Nova, Nebo-Babel, Savannah)
- Potential new gold camp at Gidji JV
 - (e.g. Paddington, Mt Charlotte)
- Lithium potential identified at Randalls

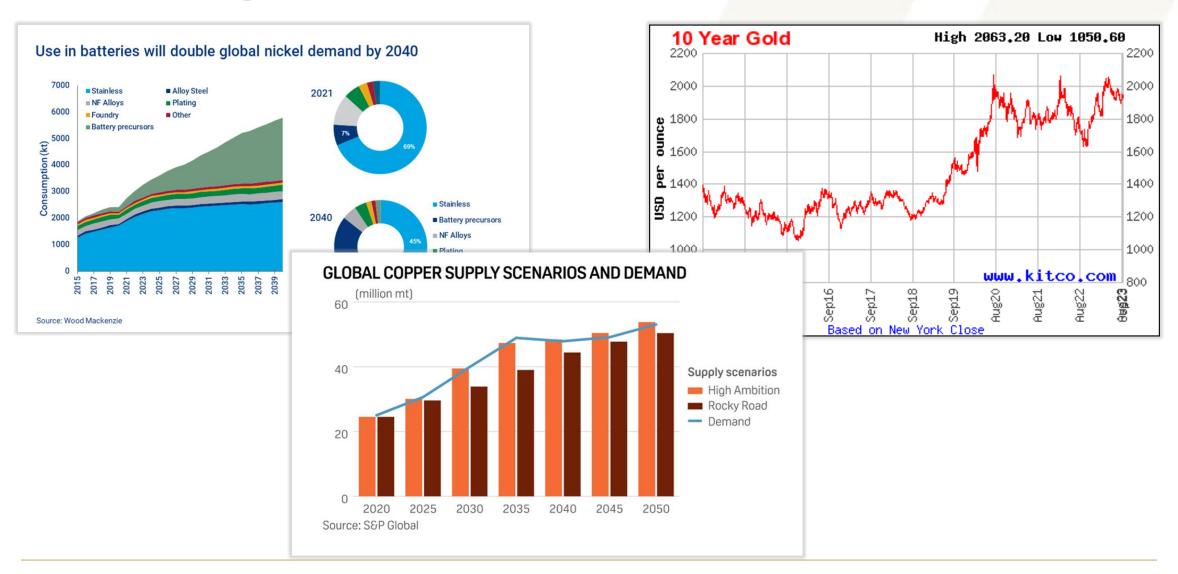
Unmatched leverage to exploration success

Tight share register and very low EV

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Exploring for in-demand commodities...



...in an emerging mineral province

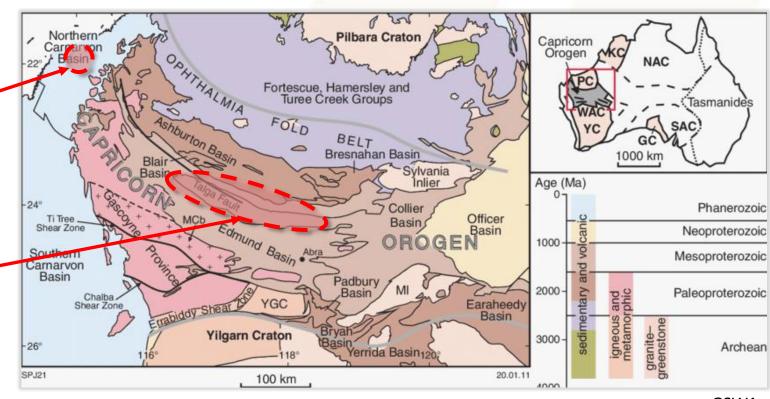
Capricorn Orogen

Whaleshark

 Targeting a large IOCG deposit under the Carnaryon Basin

Bangemall

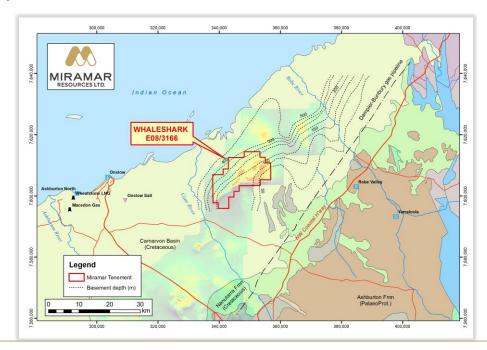
 Multiple large Ni-Cu-PGE targets associated with dolerite sills

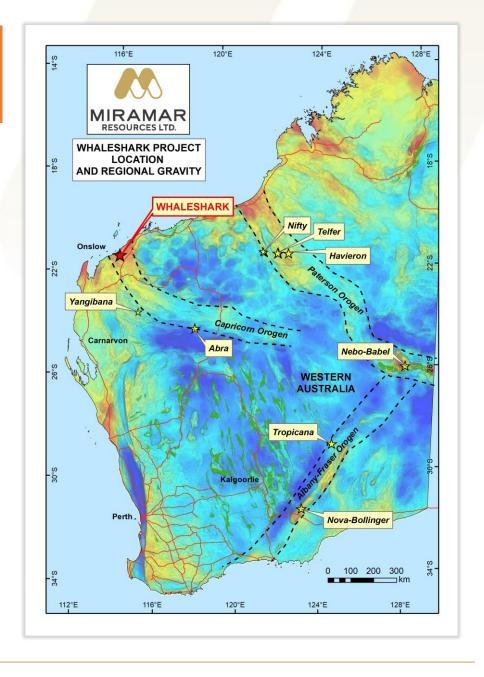


GSWA

Whaleshark Project

- Proterozoic orogens host major mineral deposits
- Whaleshark is located at the northern end of the Capricorn Orogen under shallow basin sediments
- Whaleshark has many similarities to large IOCG deposits in South Australia and Queensland





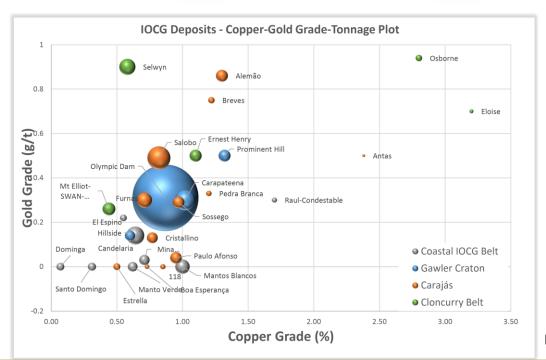
Why explore for IOCG deposits?





VERY BIG and VERY VALUABLE

- 10's of Mt to >1Bt
- average grade of 1% Cu and 1g/t Au
- = Mt's of Cu + Moz's of Au



Dow, 2019

Whaleshark – large shallow IOCG targets

2021

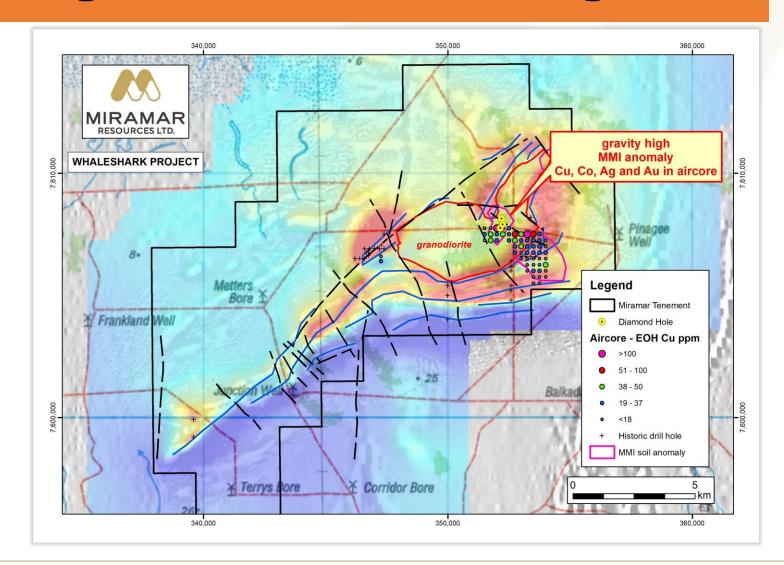
- Tenement granted
- MMI soil sampling outlines large Cu-Au-Ag-Mo-REE anomalies

2022

- Infill gravity surveys
- Aircore drilling outlines large Cu-Co-Au-Ag-REE anomalies at top of basement

2023

- EIS funding
- Heritage survey
- Diamond drilling intersects copper sulphide mineralisation
- Follow-up drilling planned



Whaleshark – bedrock copper confirmed

EIS co-funded Diamond Drilling

- 3 DDH's tested coincident aircore, gravity and MMI anomalies in granite crosscut by NW-trending structure
- Predominantly biotite granodiorite
- Chalcopyrite observed in two holes
- Core being processed assays pending
- Further diamond drilling planned





Whaleshark – significant IOCG potential



Whaleshark has all the key ingredients for a large shallow IOCG deposit

- ✓ Proterozoic granitoid
- ✓ Iron-rich rocks nearby
- Overlapping gravity/magnetic anomalism
- MMI and aircore Cu-Au-Co-Ag-U anomalism
- Bedrock copper mineralisation
- Alteration and REE signatures suggest
 IOCG source
- ✓ Significant scale

Whaleshark – next steps

Further diamond drilling along NW structure

- MMI/magnetic anomaly
- Cu-Au aircore/MMI/gravity anomalies
- MMI and Aircore REE anomaly

"Interface" aircore drilling over MMI anomalies

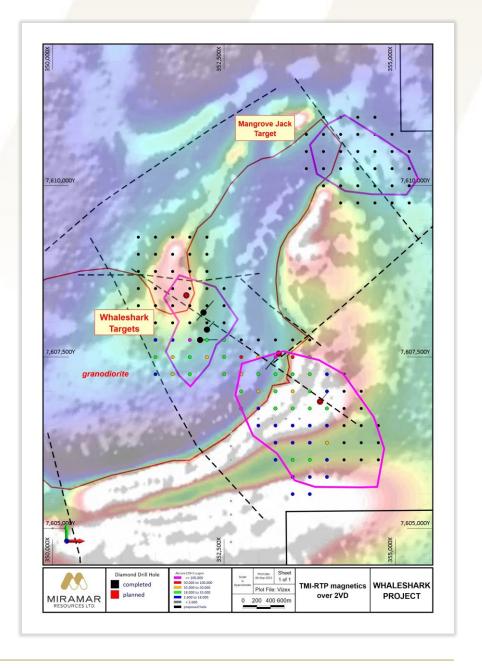
- NW structure and magnetic anomaly
- "Mangrove Jack" target MMI anomaly

Investigate geophysical/other targeting methods

EM/IP

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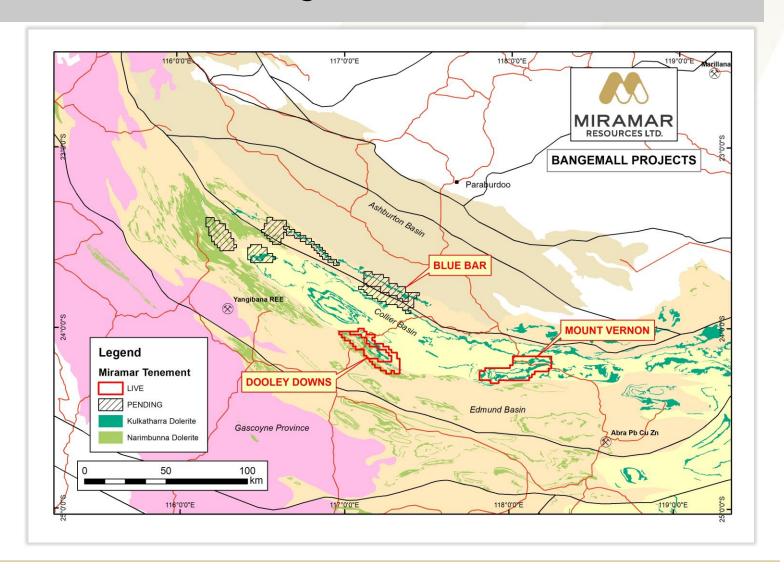
Detailed ground/drone magnetics



Bangemall Ni-Cu-PGE Projects

Potential for Norilsk-style Ni-Cu-PGEs

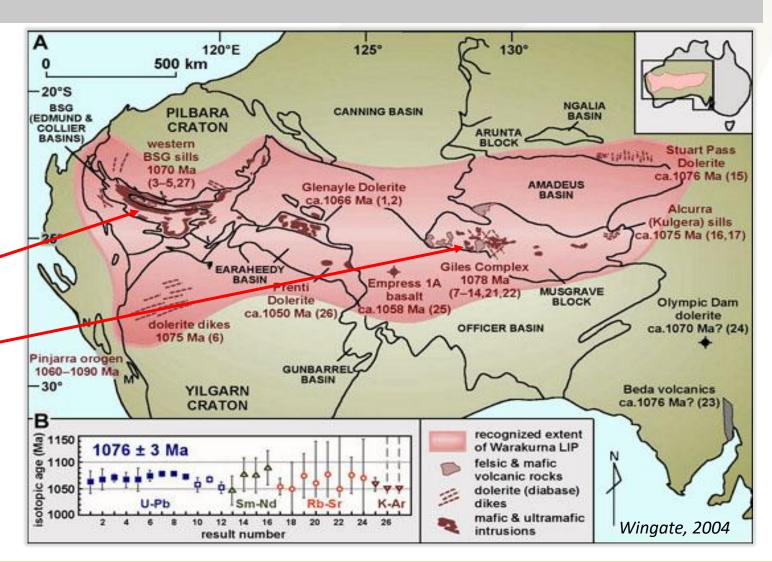
- Craton margin
- Crustal-scale structures and cross-cutting faults
- Extensive volumes of mafic magma
- ✓ Sulphidic sediments
- Regional signatures
 - GSWA geochem
 - Capricorn EM



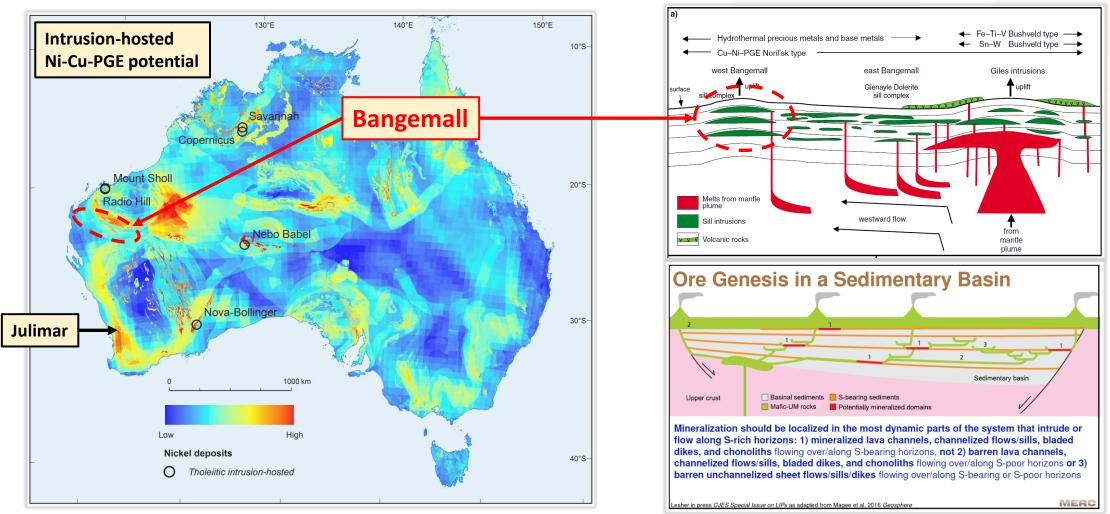
Bangemall Ni-Cu-PGE model

Warakurna Large Igneous Province (LIP)

- Widespread mafic intrusive event related to mantle plume
- Bangemall 1070Ma
 Kulkatharra Dolerite
- West Musgraves 1078Ma Giles Complex
 - Nebo and Babel deposits (1.2Mt Ni, 1.3 Mt Cu)



Bangemall Ni-Cu-PGE model



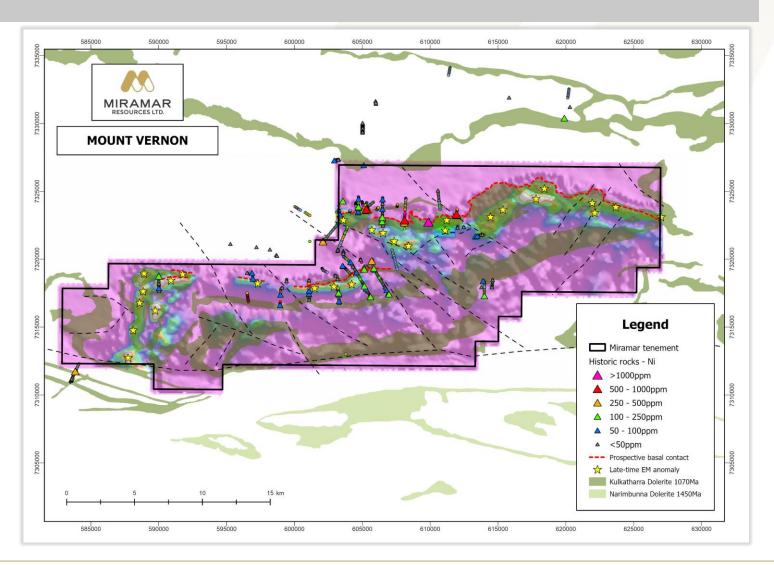
Morris and Pirajno, 2005

Lesher, 2016

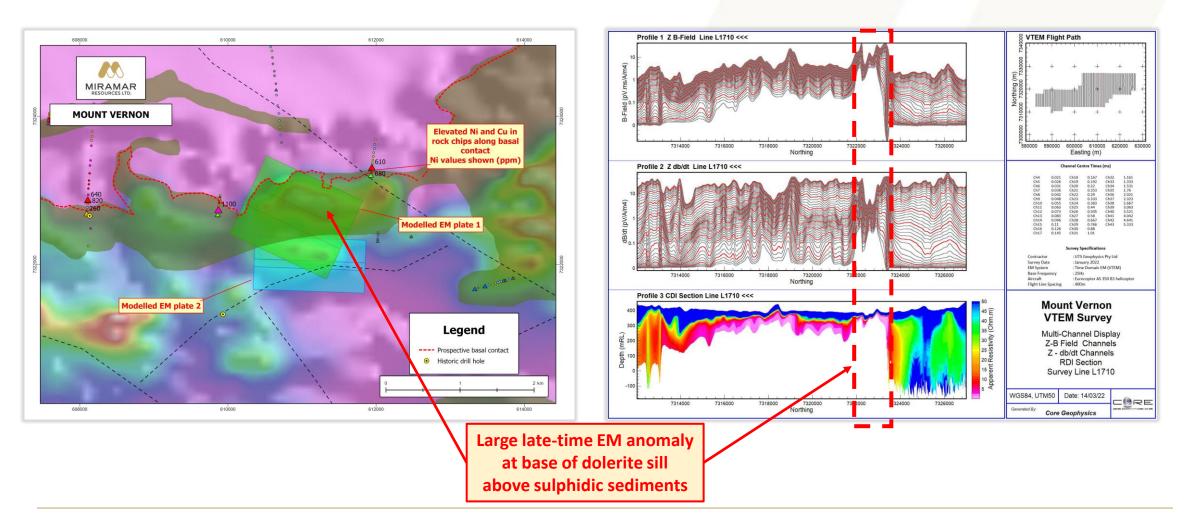
Geoscience Australia Report 2016/01

Bangemall - Mount Vernon

- Kulkatharra Dolerite sills intruding into sulphidic sediments
- >30km of basal contact
- Multiple rock chips with elevated Ni and Cu
- Limited historic drilling targeted Cu-Pb-Zn
- 2022 VTEM survey identified multiple latetime anomalies
- RC/DD drilling planned



Bangemall - Mount Vernon



Eastern Goldfields Projects

Strategic land position in world-class gold province

Gidji JV

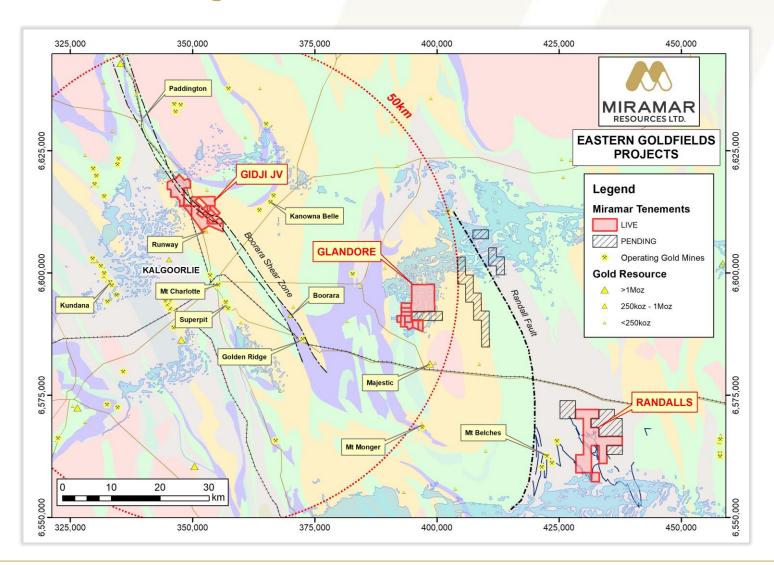
 Potential new gold camp close to Kalgoorlie

Glandore

 Multiple high-grade gold results from lake drilling

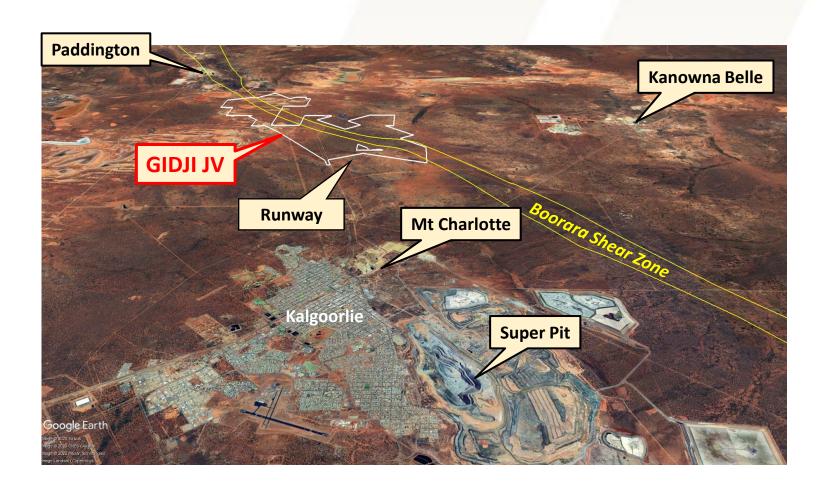
Randalls

Gold and/or lithium potential



Gidji - "cheapest house on the best street"

- 15km N of Kalgoorlie
- Dilational jog within major regional structure
- Proximity to multiple large gold deposits
- Multiple large aircore gold footprints outlined beneath shallow cover
- Targeting significant bedrock gold mineralisation



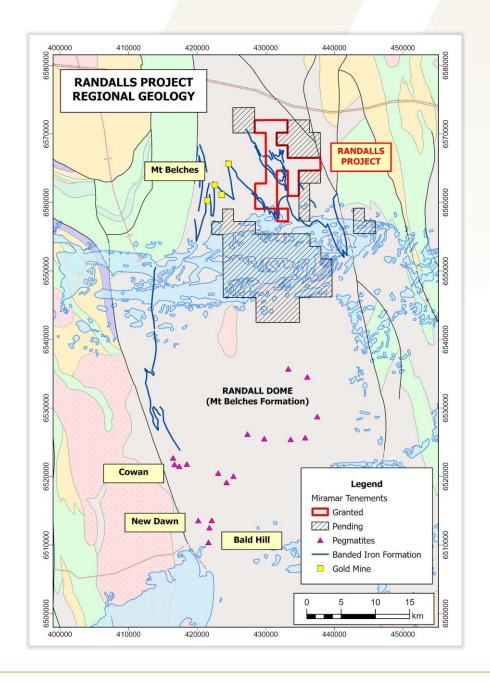
Randalls (Au/Li)

Lithium potential within "Randall Dome"

- Same geological setting as Bald Hill
- No previous lithium exploration
- New applications consolidate land position over prospective geology
- Soil sampling planned

Gold targets

 Folded BIF adjacent to multiple highgrade gold mines



Exciting Exploration Target Portfolio

	Exploration Stage ->					
	Target Generation	Geochem/Geophys anomalism	Initial Drill Testing	Bedrock mineralisation	Resource Delineation	
Opportunity Size ->	Blue Bar	Mt Vernon		WhalesharkMarylebone		
	RandallsDooley Downs	• The Jog	HighwayGlandore West	Blackfriars8-MileGlandore East		
		• Gidji Nickel		• Gidji Lake		

Corporate Snapshot

ASX Code	M2R	
Shares on Issue	148.9M	
Listed Options (@25c)	59.7M	
Market Cap (@ 5c)	\$7.4M	
Cash/Investments	\$1.5M	
Enterprise Value	\$5.9M	

Substantial Shareholders	%	
XGS Pty Ltd (Allan Kelly)	9.4	
Faraday Nominees Pty Ltd	6.5	
Top 20 Holders	46.2	
Combined Board	10.2	
No. of Shareholders	985	

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

Allan Kelly (Exec. Chairman)	 Geologist/Geochemist/Manager/Brewer 30 years' experience in mineral exploration, development, production and management Founding MD, Doray Minerals Ltd (2009-2016) AMEC "Prospector" Award – 2014
Marion Bush (Technical Director)	 Geologist/Analyst/Manager 25 years' experience in exploration, management, directorship and marketing
Terry Gadenne (Non-Exec. Director)	 30 years' experience in military/civil aviation, agriculture and mining services Former MD of Mining Logic Pty Ltd and Chief Pilot of Mackay Helicopters Pty Ltd.
Mindy Ku (Co. Sec/CFO)	15+ years' experience with public and private companies

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Why Miramar Resources?

Targeting a large IOCG deposit at Whaleshark

Multiple large Ni-Cu-PGE targets in Bangemall

Potential new gold camp at Gidji JV

Track record of discovery, development and production

Substantial Value Upside

Tight Share Register Very low EV



