



# E79 GOLD MINES

*Money in the Ground*  
General Meeting 11 August 2023





# DISCLAIMER

---

This presentation contains only an overview of E79 Gold Mines Limited ("E79" or the "Company") and its activities and operations. The contents of this presentation, including matters relating to the geology and exploration potential of the Company's projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of the Company's control, may cause the actual results, performance and achievements of the Company to differ materially from those expressed or implied in this presentation.

To the maximum extent permitted by law, E79 does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of the Company, and will not be responsible for any loss or damage arising from the use of the information.

The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors should seek independent advice before making any investment decision in regard to the Company or its activities.

The information in this presentation that relates to E79 exploration results is based on information compiled by Mr Ned Summerhayes, a Competent Person who is a member of the Australian Institute of Geoscientists. Mr Summerhayes is a full-time employee, a shareholder and an option holder of the Company. Mr Summerhayes has sufficient experience that is relevant to the style of mineralisation and type of deposit 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 Summerhayes consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

# OVERVIEW

---



## GOOD MANAGEMENT

Track record of discovery and successful development

- 2008 Explorer of the Year (Integra Mining)
- 2010 Miner of the Year (Integra Mining)
- 2020 Craig Oliver Award Winner (Stavely Minerals)
- 2023 AUSIMM Presidents award (Deborah Lord)



## GOOD STRATEGY

'Money in the ground', applied technology in exploration leading to discovery



## GOOD GROUND

Two sizeable projects in prolific 'world-class' greenstone belts



## SHAREHOLDER VALUE

A history of delivering for Shareholders

# STRATEGY

---

- Underexplored parts of endowed greenstone belts
- Large land holdings
- Originating new targets never seen by previous explorers – E79 looks for new opportunities of scale, not re-drilling old prospects that never made it in 3 previous booms!
- Methodical modern exploration
- Spend the money in the ground
  - Drilling, Drilling, Drilling
- Continually look for new projects/acquisitions that fit with E79 strategy





# CORPORATE



**Non-Executive Chair**  
Chris Cairns

**Non-Executive Director**  
Deborah Lord

**Non-Executive Director**  
Peter Ironside

**Chief Executive Officer**  
Ned Summerhayes

**Company Secretary**  
Amanda Sparks

**\$0.07**  
Share Price

**81,334,083**  
Shares on issue

**\$5.7M**  
Market  
Capitalisation

**\$4.5M**  
Cash on Hand  
(30 June 2023)

**\$1.2M**  
Enterprise  
Value

**~12.8%**  
Board and  
Management  
Holding

**11.6%**  
Shares on  
escrow

**38%**  
Top 20  
Shareholders

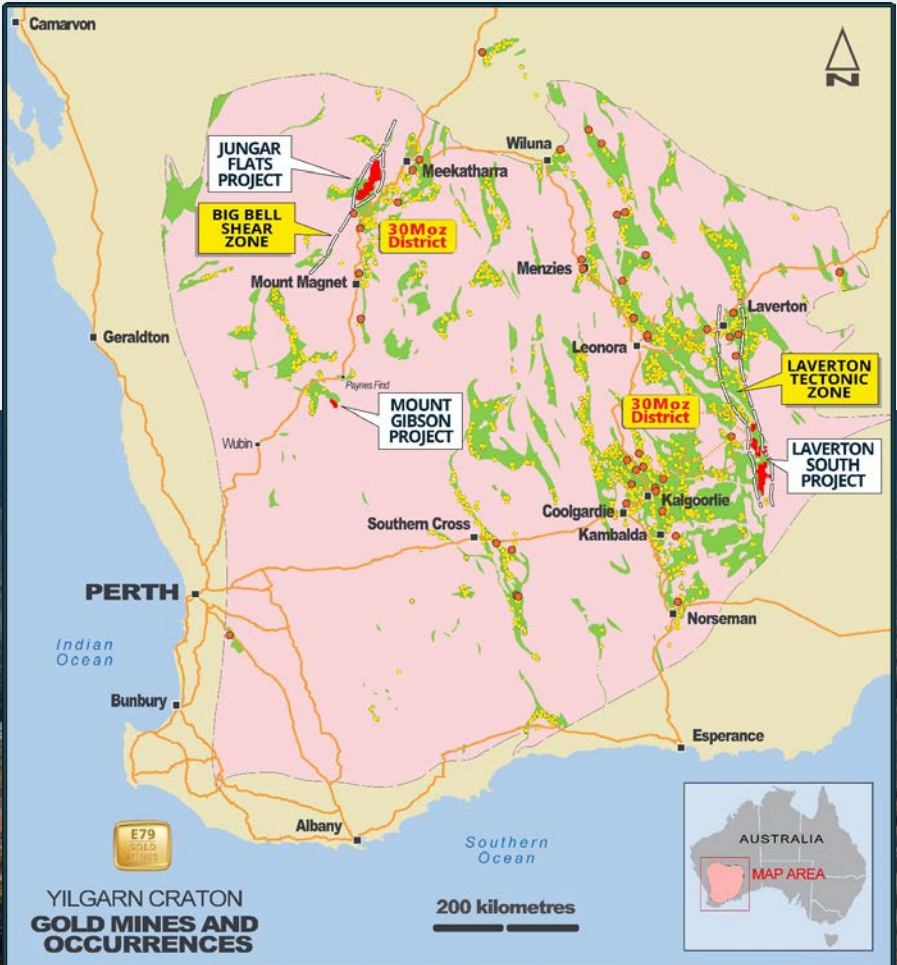


# PROJECTS

## TWO FLAGSHIP PROJECTS IN THE EASTERN GOLDFIELDS OF WESTERN AUSTRALIA

272 km<sup>2</sup> of tenure in the Laverton Tectonic Zone - one of the world's most prolific gold belts ~30Moz

541km<sup>2</sup> of tenure in the Murchison Goldfields – ~30Moz of endowment



# The next 12 months



## Regional Aircore

- 2 Targets for first pass drilling, extend Target 3
- ~40,000m planned

## Targeted RC

- 2,500m planned, testing aircore anomalies at depth
- Diamond follow-up if successful

## Regional Gravity

- ~215km<sup>2</sup> recently completed for Murchison Project

## Regional Auger

- Large Scale follow up testing for gravity anomalies

<b>UP - COMING NEWS FLOWS</b>						
	Completed	Planned	2023	2024		
			June Quarter	September Quarter	December Quarter	March Quarter
<b>Laverton South - Pinjin</b>						
Aircore drilling			Completed	Planned		Planned
RC drilling	Completed			Planned		
<b>Laverton South - Lake Yindana</b>						
Approvals & access			Completed	Planned		
Aircore drilling				Planned		Planned
<b>Murchison - Jungar Flats</b>						
Assess mineral potential	Completed					
Approvals & access			Planned			
Aircore drilling					Planned	
Beebyn Gravity			Planned			
Beebyn Auger				Planned		

E79 GOLD MINES Limited





# PROJECTS

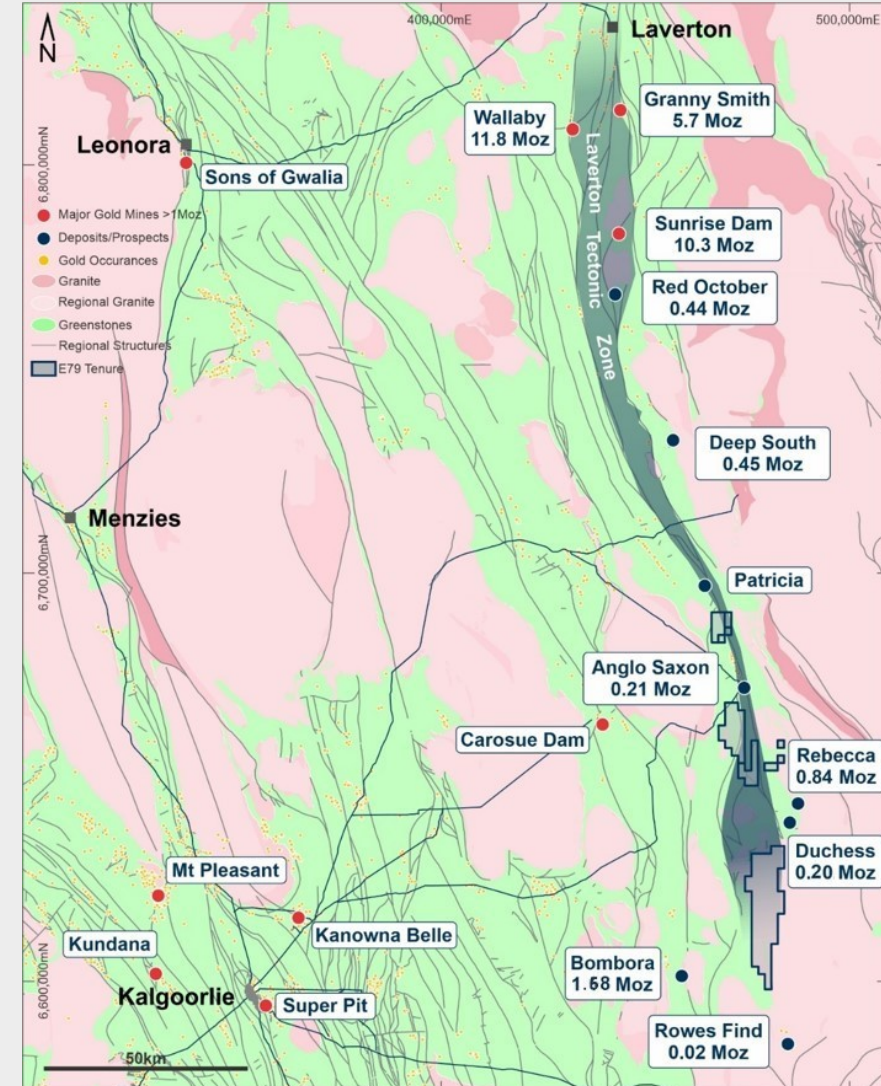
## LAVERTON SOUTH PROJECT



Relative to the north-central portions of the belt, the southern portion is under-explored

Deposit	Historical Production			Resources						Endowment Ounces
	Tonnes (kt)	Grade	Ounces	Meas & Ind			Inf			
				Tonnes (kt)	Grade	Ounces	Tonnes (kt)	Grade	Ounces	
Granny Smith <sup>1</sup>	-	-	5,100,000	3,581	3.77	434,000	2,067	3.44	229,000	5,763,000
Wallaby <sup>2</sup>	-	-	4,500,000	29,990	6.20	5,977,000	8,985	4.41	1,273,000	11,750,000
Sunrise Dam <sup>3</sup>	-	-	6,700,000	41,090	2.02	2,670,000	12,550	2.38	960,000	10,330,000
Red October <sup>4</sup>	1,700	6.1	342,000	324	4.6	48,000	99	15.3	49,000	439,000
Deep South <sup>5</sup>	2,077	3.1	209,236	1,897	2.7	162,000	1,031	2.3	78,000	449,236
Anglo Saxon <sup>6</sup>	673	2.4	49,694	449	6.9	99,000	347	5.2	58,000	206,694
Rebecca <sup>7</sup>	-	-	-	13,600	1.5	640,000	6,800	0.9	200,000	840,000
Duchess <sup>8</sup>	-	-	-	4,150	0.9	125,000	2,700	0.8	75,000	195,000
Lake Roe <sup>9</sup>	-	-	-	15,863	1.53	778,000	16,066	1.8	906,000	1,684,000
Rowes Find <sup>10</sup>	-	-	-	-	-	-	148	3.5	17,000	17,000
										31,673,930

1. Production – Icenil Gold Limited Prospectus, 2021, Independent Geologist Report, page 130. Resources – Gold Fields 2020 Mineral Resource & Reserve Supplement to the Integrated Annual Report (IAR).
2. Production – Gold Fields Annexure to the 2020 Mineral Resources and Reserves Supplement. Resources – Gold Fields 2020 Mineral Resource & Reserve Supplement to the IAR.
3. Production – Icenil Gold Limited, Independent Geologist Report, 14 Mile Well Gold Project, page 14. Resources – AngloGold Ashanti 2019 Mineral Resource & Reserve Statement.
4. Production – Matsa Resources Limited ASX Announcement, 28 March 2018. Resources – Matsa Resources Limited 2020 Annual Report.
5. Production – Saracen Annual Reports 2017, 2018, 2019. Resources – Saracen Annual Report 2020.
6. Production – Hawthorn Resources Limited 2020 Annual Report. Resources – Hawthorn Resources Limited Mineral Resource Update, 31 January 2020.
7. Resources – Apollo Consolidated Limited 2020 Annual Report.
8. Resources – Apollo Consolidated Limited 2020 Annual Report.
9. Resources – Breaker Resources Limited 2020 Annual Report.
10. Resources – Black Cat Syndicate Limited 2020 Annual Report.





# PROJECTS

## LAVERTON SOUTH PROJECT



- Pinjin 100% owned
- Lake Yindana 100% Owned



### Rebecca Gold Project

+1.2 Moz resource  
(Ramelius Resources 12/4/22)



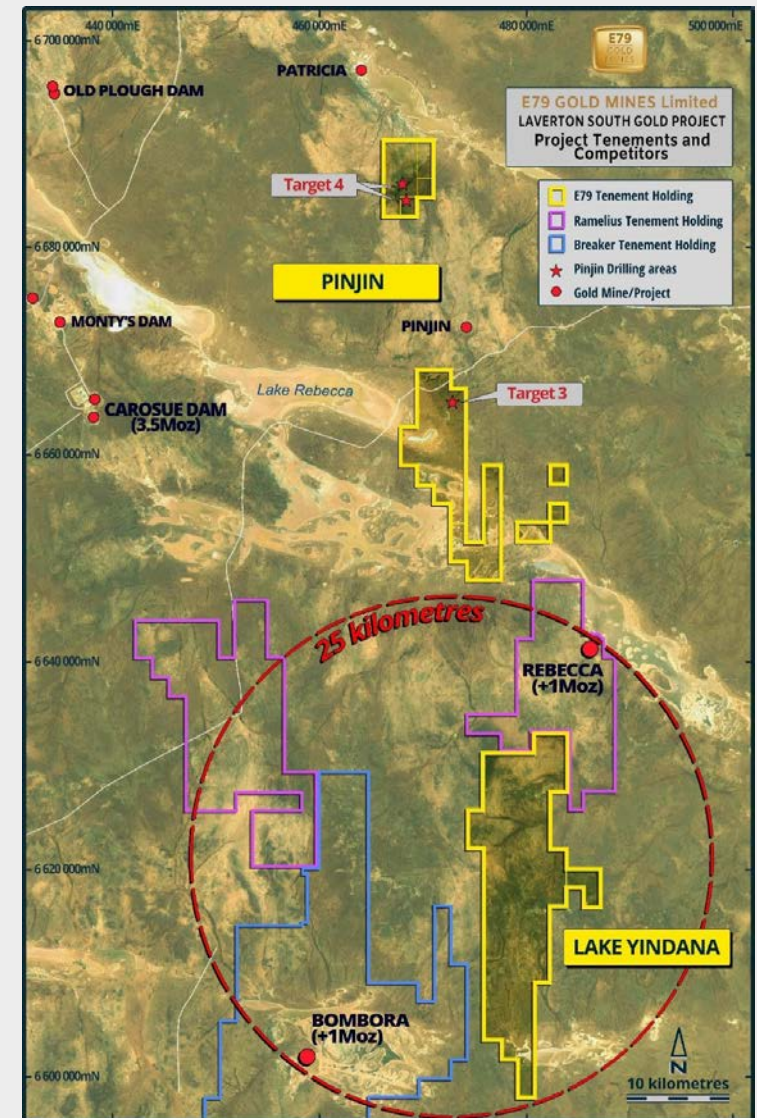
### Lake Roe Gold Project

+1.7 Moz resource  
(Ramelius Resources 20/3/23)



### Carosue Dam

+4 Moz endowment  
(Northern Star 3/5/22)

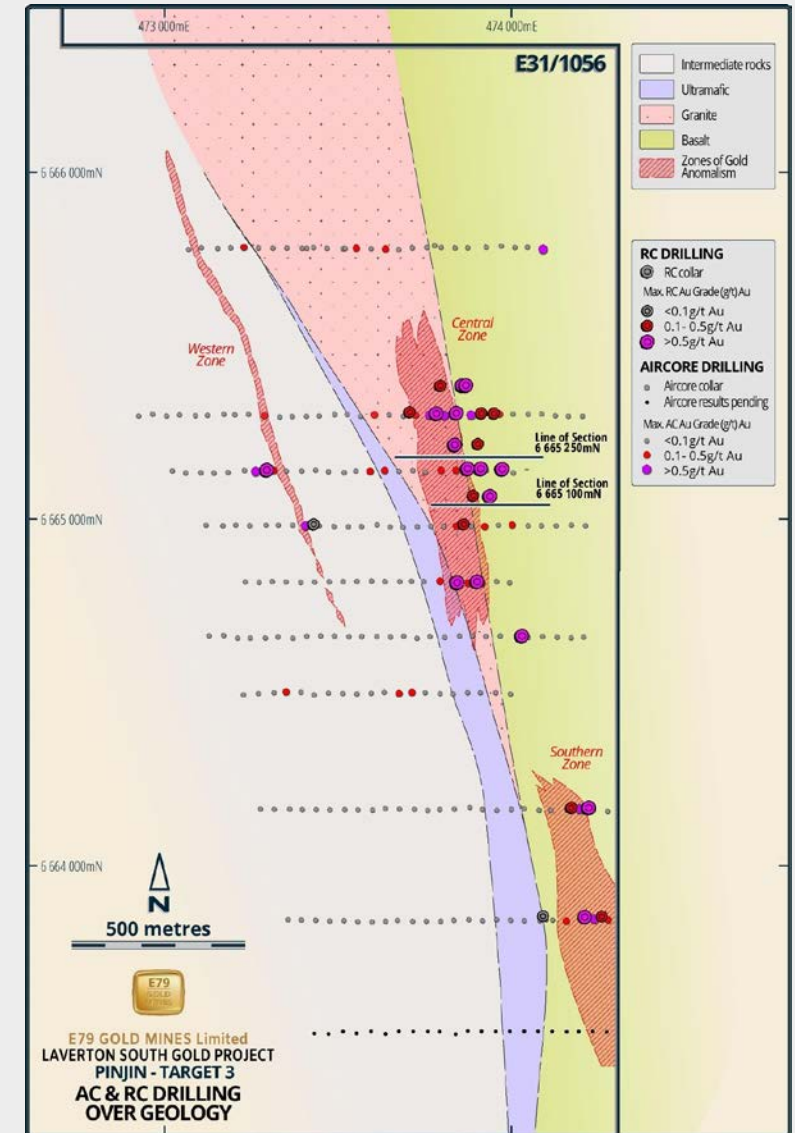


# TARGET 3 – PINJIN: An Emerging Gold Discovery?



- Aircore and RC drilling show a 2,600m long, to 200m deep anomalous gold system open in all directions
- Robust system with multiple lines of geological evidence for potential large scale mineralisation
  - De-magnetised stratigraphy – gold bearing hot fluids
  - Gold along a granite-greenstone contact
  - Evidence of large-scale fluid flow
  - Gold pathfinder elements suggest a mineralised fluid
- Significant results
  - Multiple +1g/t drill intersections over 2km strike and down to 200m depth
  - Recent RC drilling hit highest grades to date<sup>1</sup>
  - Open in all directions

Refer to E79 ASX Announcement 27 July 2023

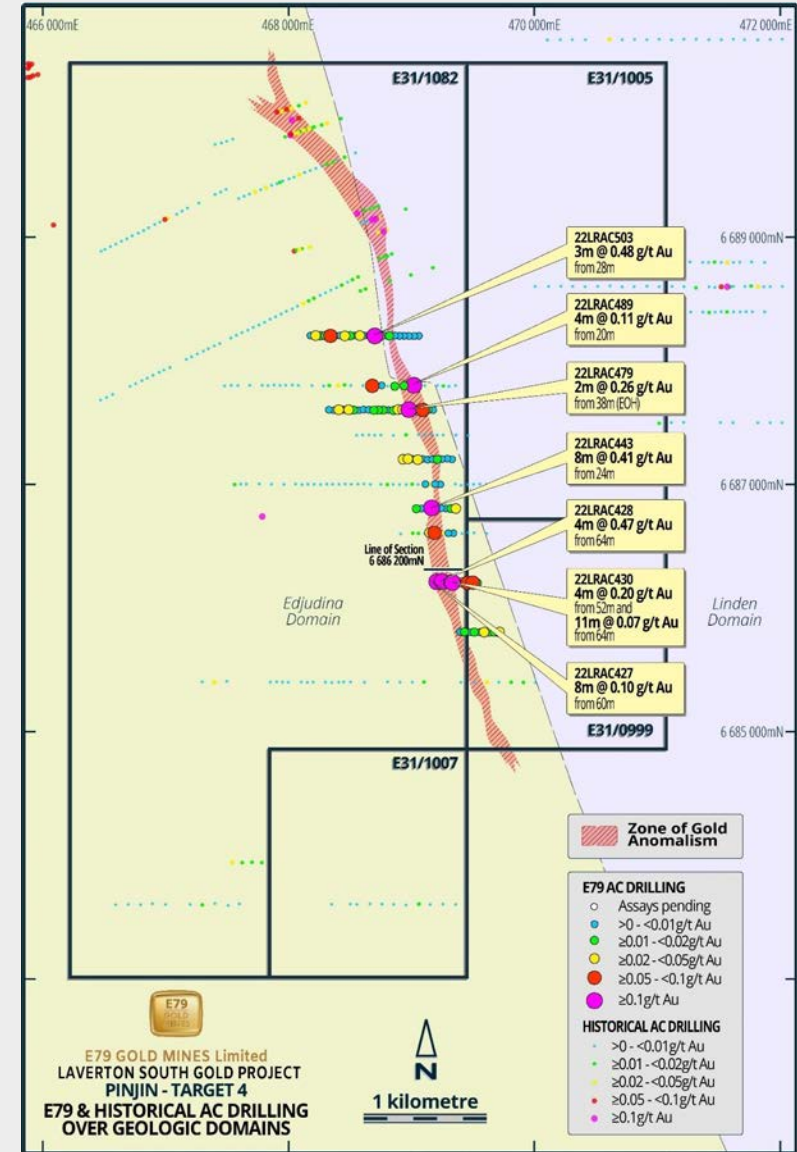




# TARGET 4 EAST

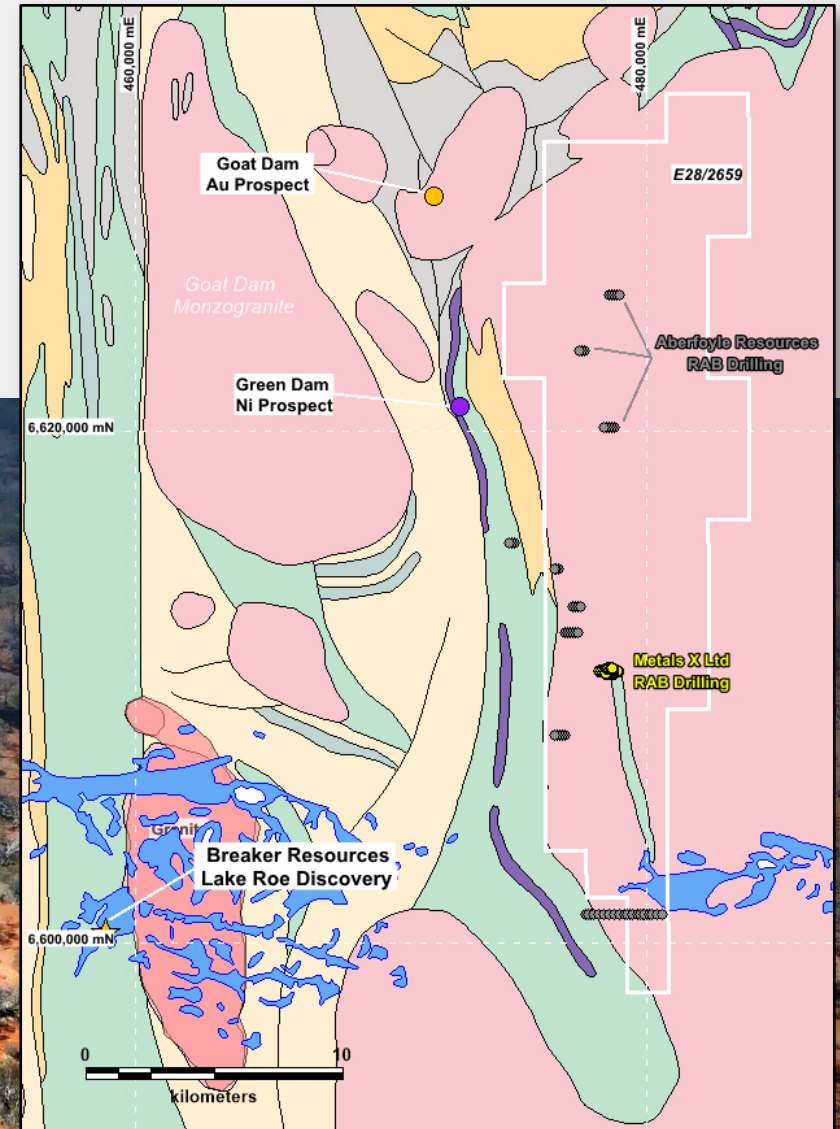
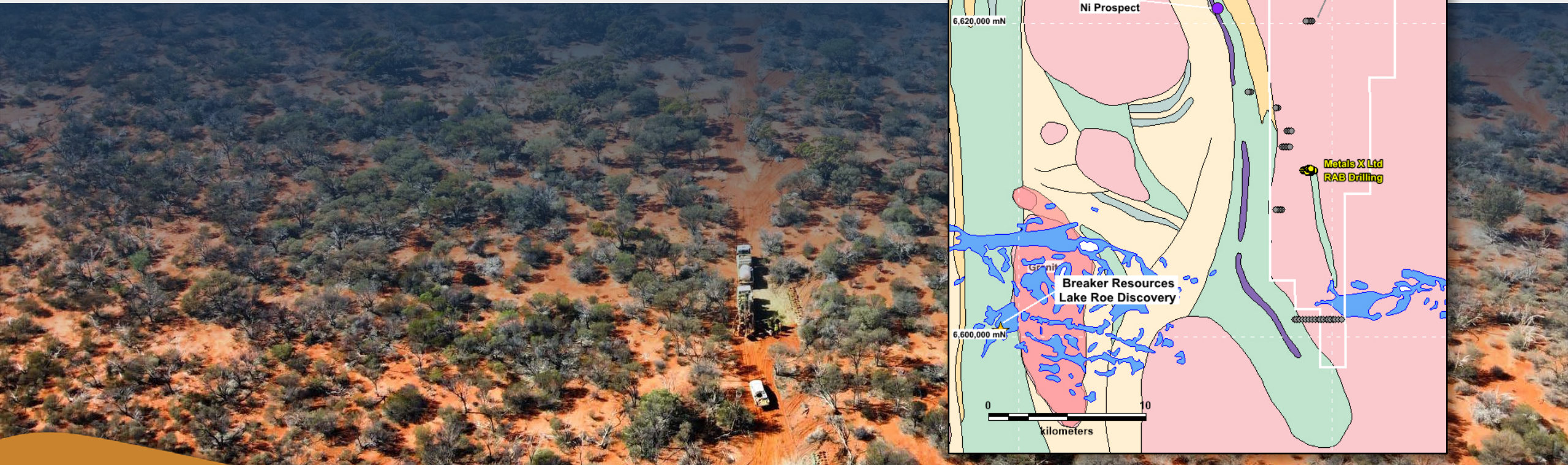


- Within a 30km long regional gold trend, the Pinjin Fault
- The Pinjin Fault forms a geological domain boundary and extends south through the historic Pinjin Goldfield and north to the historic high-grade Patricia open pits
- Significant Results from the initial AC program include:
  - 8m @ 0.41 g/t Au from 24m (22LRAC443)
  - 4m @ 0.47 g/t Au from 64m (22LRAC428)
  - 3m @ 0.48 g/t Au from 28m (22LRAC503)
  - 4m @ 0.20 g/t Au from 52m (22LRAC430)
  - 2m @ 0.26 g/t Au from 38m (22LRAC479) (EOH)
- Recent AC program, 82 holes for 5,600m to test for high grade zones and focus on three targets:
  - a structural offset, with gold anomalism on both sides and soil anomalism over the break,
  - an area in the south of promising results at the end of a drill line, and
  - infilling the wide spaced regional lines



## LAVERTON SOUTH PROJECT – LAKE YINDANA

- First-mover opportunity
- GSWA maps show the tenement is underlain by less prospective granite (not correct)
- Discouraged historic exploration – only 65 RAB drill holes, huge areas not explored

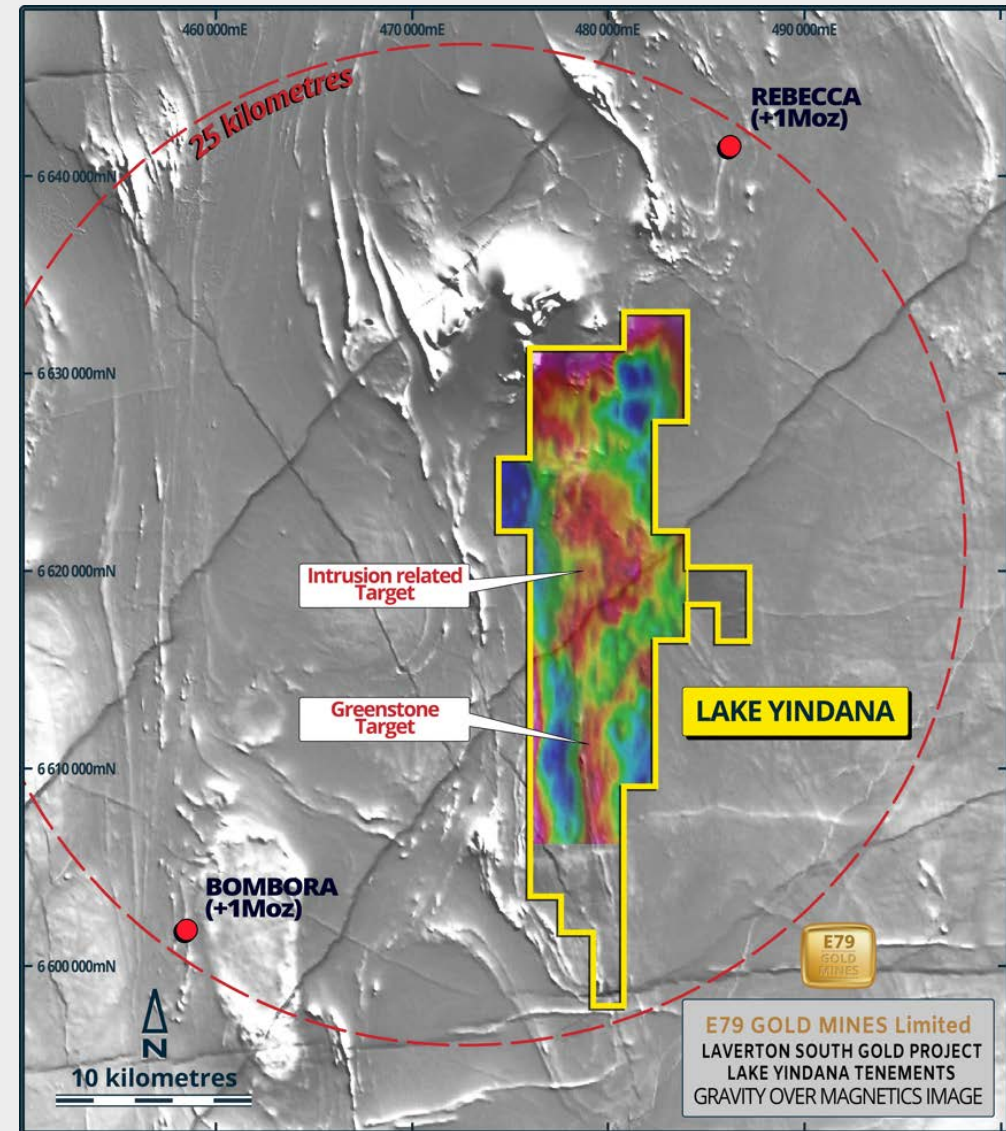




# LAVERTON SOUTH PROJECT – LAKE YINDANA



- Magnetics and recently acquired gravity clearly show that the tenement is underlain by ~25km of gold and nickel prospective greenstones that are effectively un-explored
- This is supported by the limited historic RAB drilling finding various greenstone lithologies:
  - Dolerite
  - Gabbro
  - Gneiss (Rebecca host)
  - Ultramafic (Ni prospective)
  - Rhyolite porphyry
  - Granite





## LAVERTON SOUTH PROJECT – LAKE YINDANA



- Magnetics and gravity clearly show that the tenement is underlain by ~25km of greenstones – essentially un-explored
- Given the distinct lack of previous exploration, effectively E79 has a ‘first-mover’ opportunity in the southern portion of the Laverton Tectonic Zone with proven world-class gold endowment

‘...the largest deposits in any particular search space are usually found early because they generally have the most obvious signatures.’

And ‘...the key to exploration success is being the first, or very early, into a new search space’.

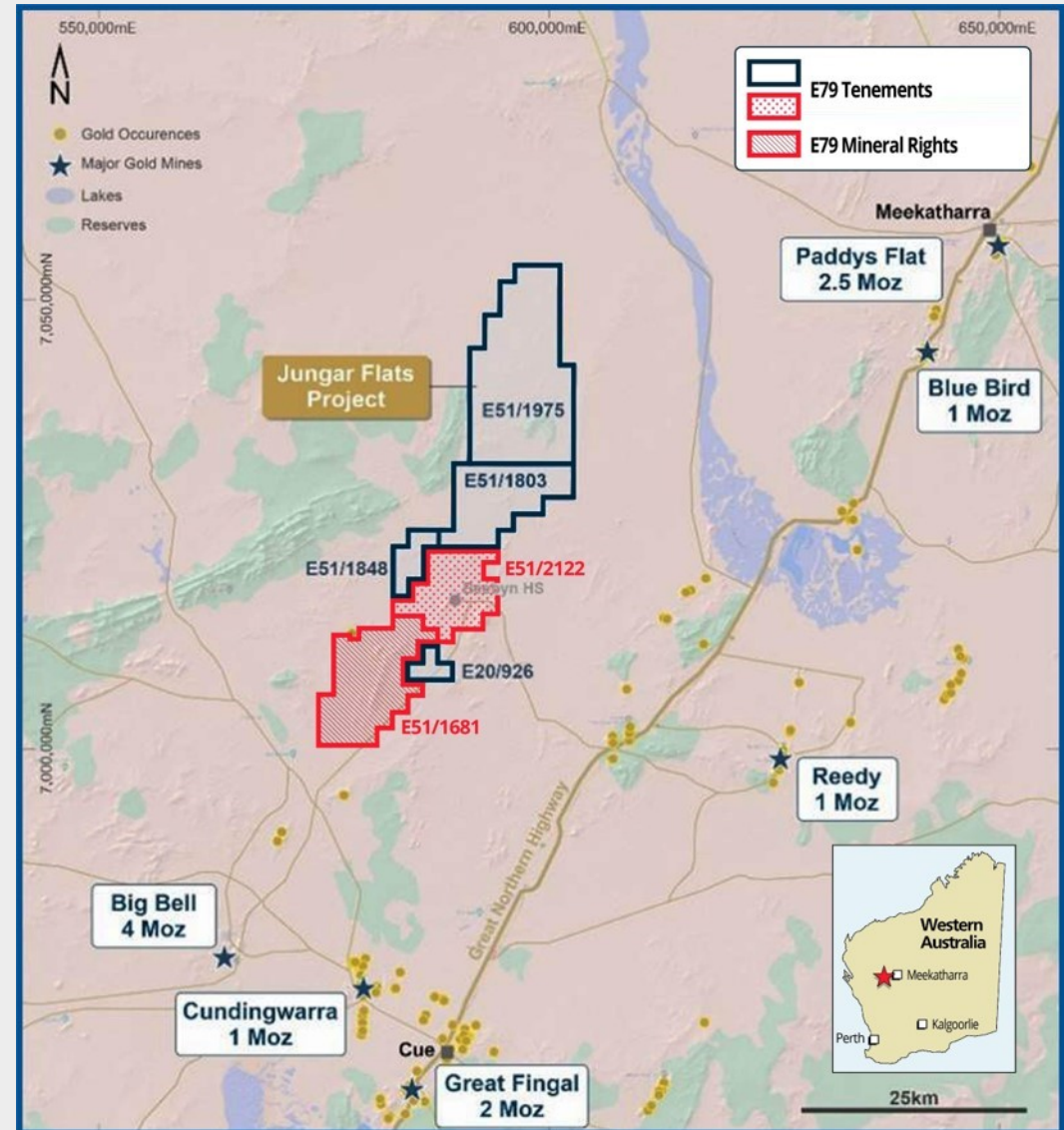
Dr Jon Hronsky



# MURCHISON PROJECT - JUNGAR FLATS



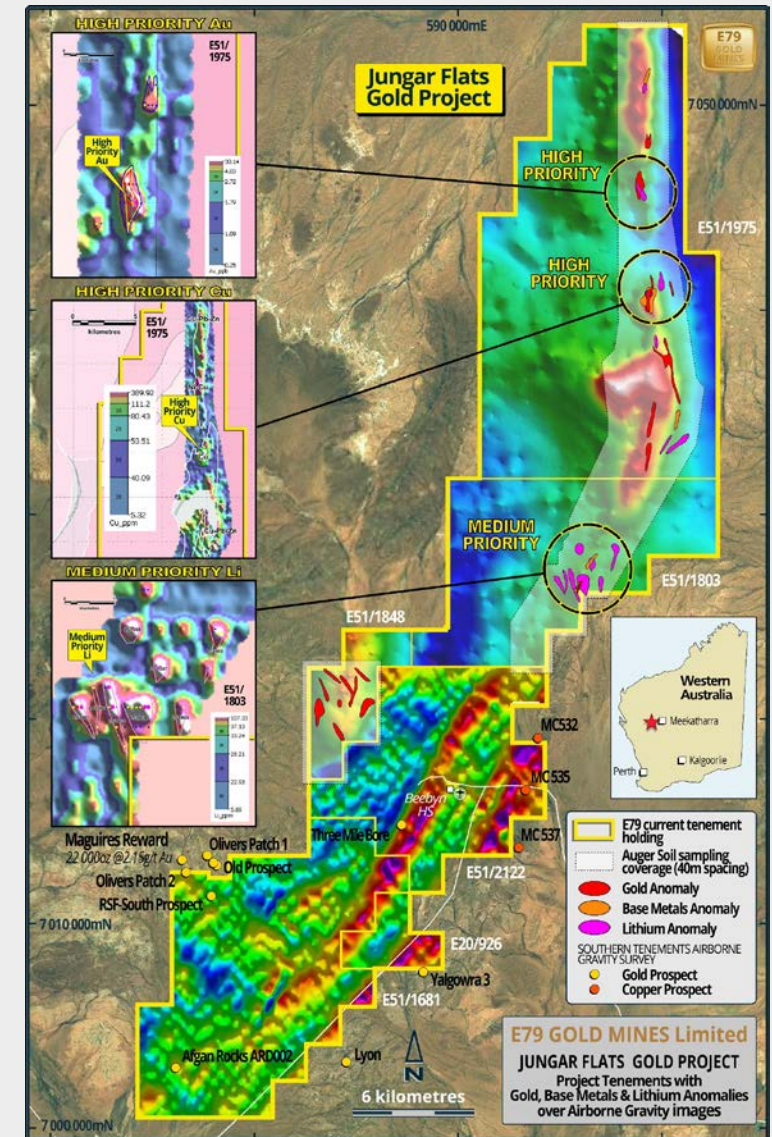
- 541km<sup>2</sup> of tenure containing early stage exploration targets
- Murchison Goldfields + 30 million ounces gold endowment
- ~60km of strike along the Big Bell Shear and associated structures
- New acquisitions to the south which increased our tenure over the deep-tapping Big Bell Shear associated with the large deposits in the region
- Region is well-endowed with gold and magnetite iron-ore
- Prospective for base metals, lithium, platinum group elements



# JUNGAR FLATS PROJECT



- Large scale gravity survey completed early 2022
- New targets identified and first-pass soil auger completed
  - 35km of greenstone tested by ~3,000 sample auger program
  - Independently reviewed results show multiple targets for priority follow-up including:
    - High-priority gold target, 800m long with strong multi-element support – target not previously known to previous explorers
    - High priority copper target – also a new target
    - Medium priority lithium target – cluster of anomalies
    - 8 rock chips taken over the area in July, awaiting results

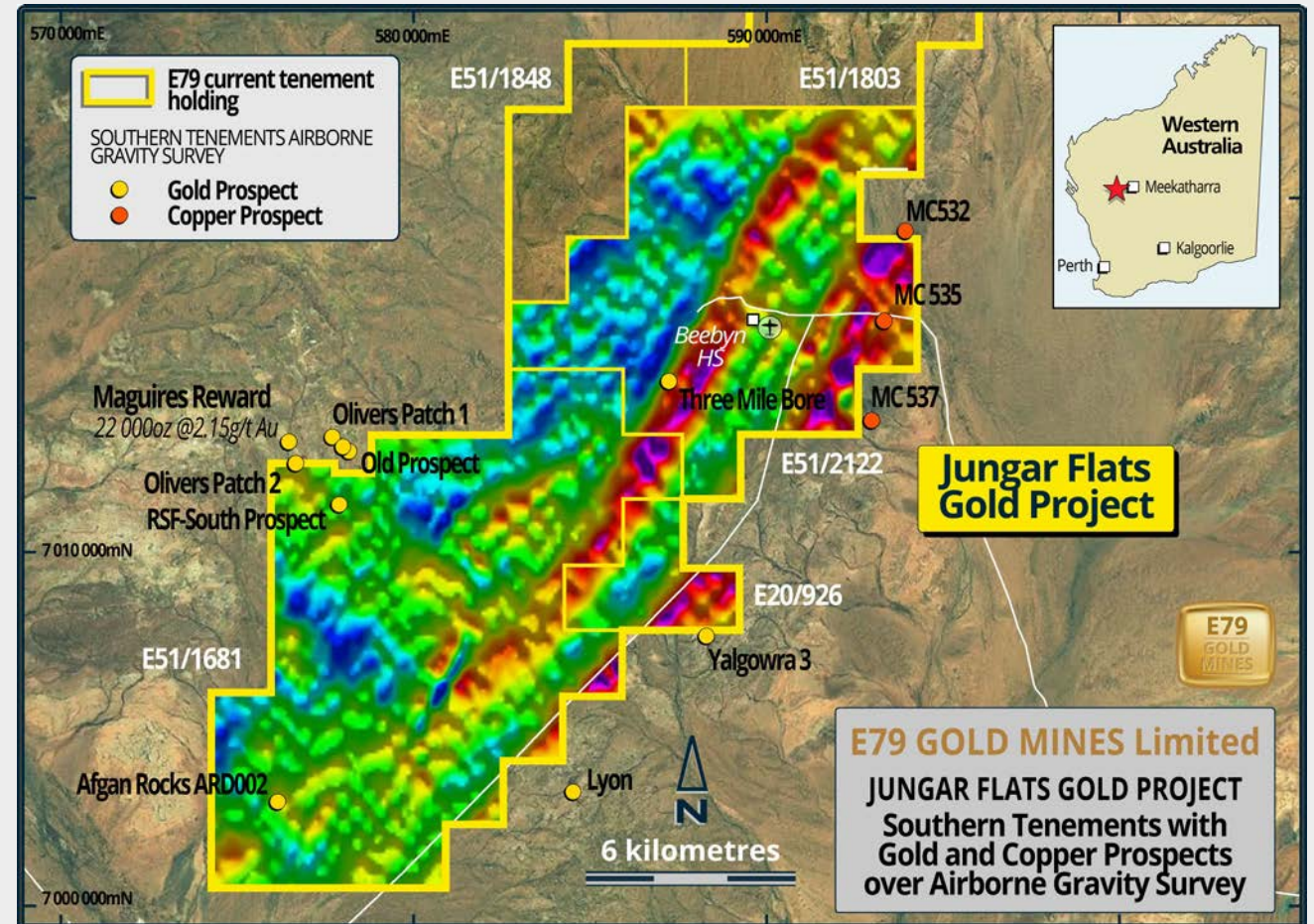




# JUNGAR FLATS PROJECT



- Gravity survey completed in June 2023 over recently acquired ground in the south
- Parallel greenstone units identified, including 25km of interpreted dolerite running through the tenement, and an eastern greenstone
- Southern 15km of this dolerite was previously unrecognized
- Historic gold workings on main dolerite
- Historic base metals exploration on outcropping gossans associated with eastern greenstone
- Proximal to known gold resources at Maguires Gold Project, 22,000 ounces Au at 2.15 g/t
- Next stage of exploration strategy will be auger sampling over prospective units



Maguires Gold Project Resource refer to OZZ ASX Announcement 19 November 2021



<b>UP - COMING NEWS FLOWS</b>				
Completed  Planned	<b>2023</b>			<b>2024</b>
	June Quarter	September Quarter	December Quarter	March Quarter
<i>Laverton South - Pinjin</i>				
Aircore drilling				
RC drilling				
<i>Laverton South - Lake Yindana</i>				
Approvals & access				
Aircore drilling				
<i>Murchison - Jungar Flats</i>				
Assess mineral potential				
Approvals & access				
Aircore drilling				
Beebyn Gravity				
Beebyn Auger				

E79 GOLD MINES Limited





# OVERVIEW

---



## GOOD MANAGEMENT

Track record of discovery and successful development

- 2008 Explorer of the Year (Integra Mining)
- 2010 Miner of the Year (Integra Mining)
- 2020 Craig Oliver Award Winner (Stavely Minerals)
- 2023 AUSIMM Presidents award (Deborah Lord)



## GOOD STRATEGY

'Money in the ground', applied technology in exploration leading to discovery



## GOOD GROUND

Two sizeable projects in prolific 'world-class' greenstone belts



## SHAREHOLDER VALUE

A history of delivering for Shareholders



# E79 GOLD MINES

Committed to a sustainable future

Thank you

Money in the ground.