



# E79 GOLD MINES

*Money in the Ground*

RIU Resurgence 23 November 2023

# DISCLAIMER

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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.

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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.

Previously Reported Information: The information in this announcement that references previously reported exploration results is extracted from the Company’s ASX market announcements released on the date noted in the body of the text where that reference appears. The previous market announcements are available to view on the Company’s website or on the ASX website ([www.asx.com.au](http://www.asx.com.au)). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements.

# OVERVIEW

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## 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

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- 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

**\$0.074**  
Share Price

**81,334,083**  
Shares on Issue

**\$6.0M**  
Market  
Capitalisation

**\$3.3M**  
Cash on Hand  
(30 Sep 2023)

**\$2.7M**  
Enterprise  
Value

**~12.8%**  
Board and  
Management  
Holding

**\$1.2M**  
JMEI Credits  
Available

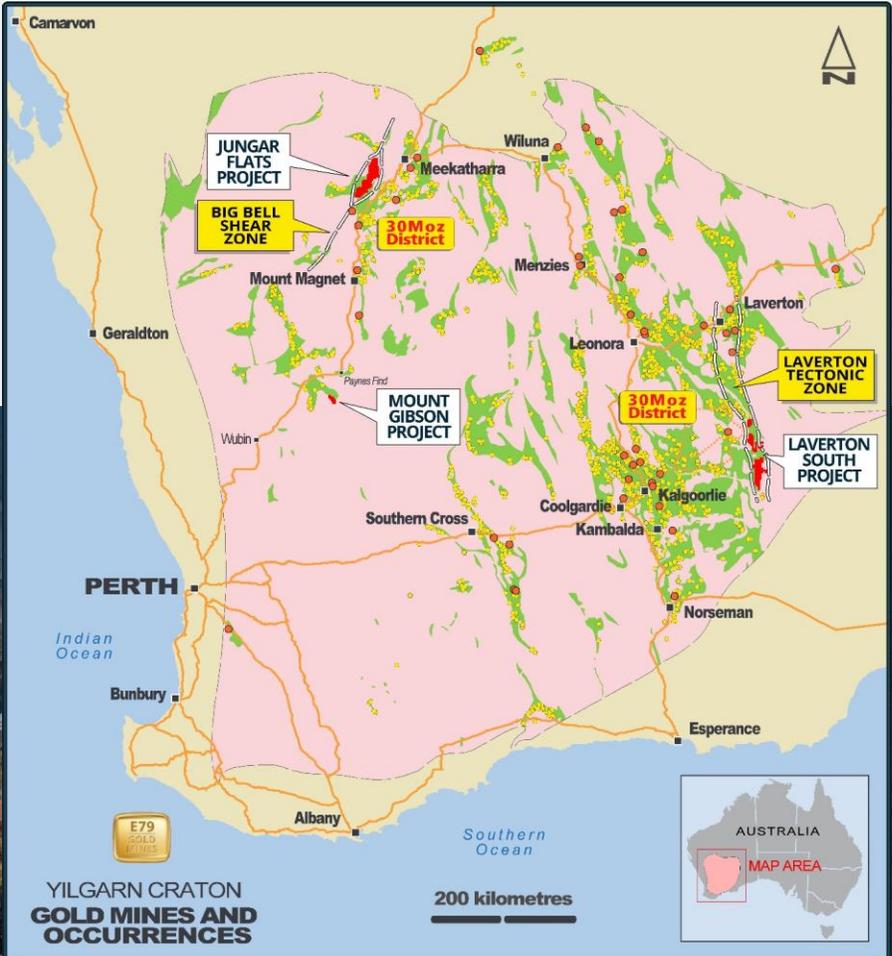
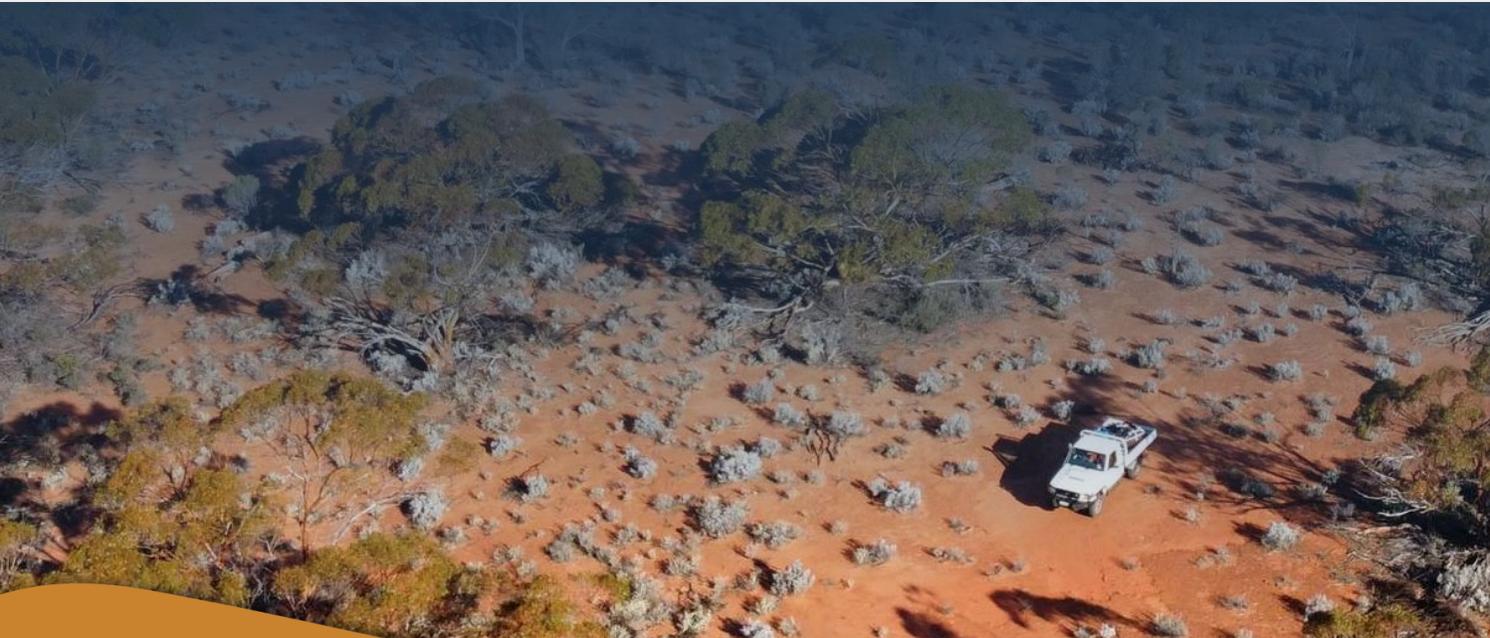
**38%**  
Top 20  
Shareholders

# PROJECTS

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

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

698km<sup>2</sup> of tenure in the Murchison Goldfields – ~30Moz of endowment



# PROJECTS

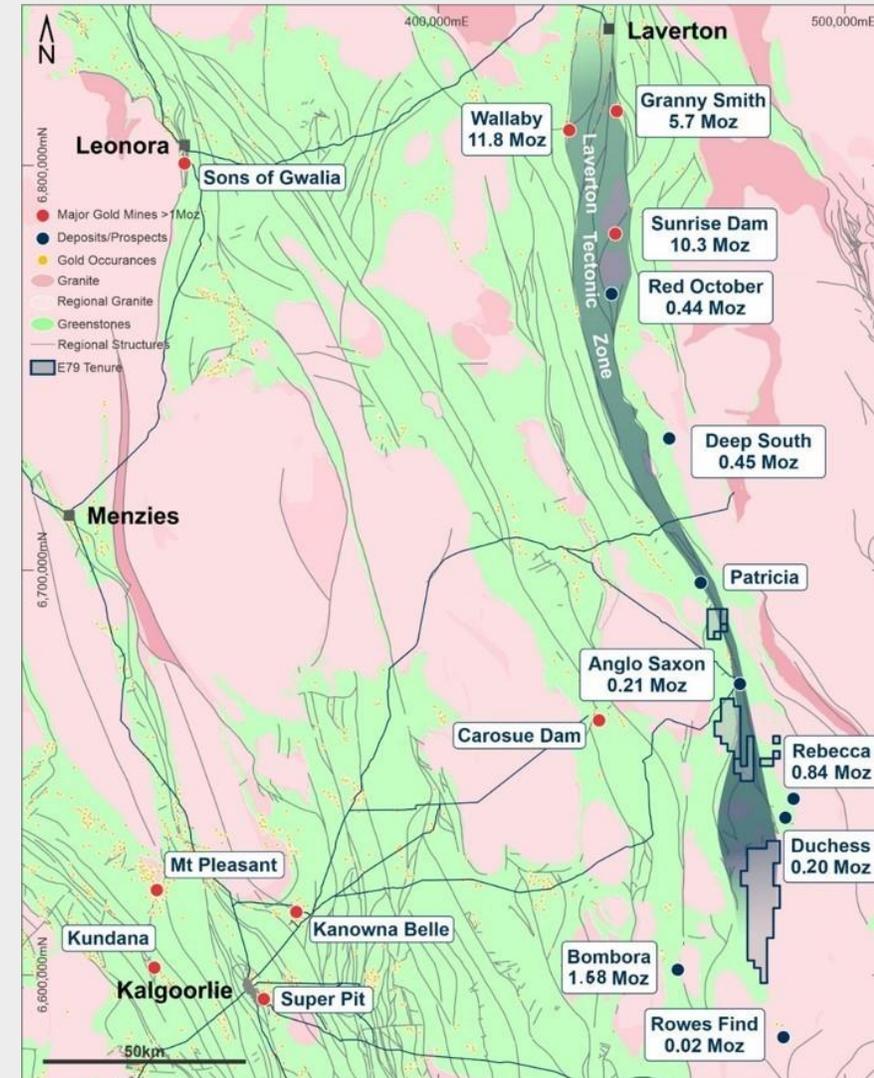
## LAVERTON SOUTH PROJECT



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

Deposit	Historical Production			Resources						Endowment
	Tonnes (kt)	Grade	Ounces	Meas & Ind			Inf			
				Tonnes (kt)	Grade	Ounces	Tonnes (kt)	Grade	Ounces	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
Rows Find <sup>10</sup>	-	-	-	-	-	-	148	3.5	17,000	17,000
										31,673,930

1. Production – Icen 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 – Icen Gold Limited, Independent Geologist Report, 14 Mile Well Gold Project, page 14. Resources – AngloGold Ashanti 2019 Mineral Resource & Reserve Statement.
4. Production – Mafsa Resources Limited ASX Announcement, 28 March 2018. Resources – Mafsa 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)



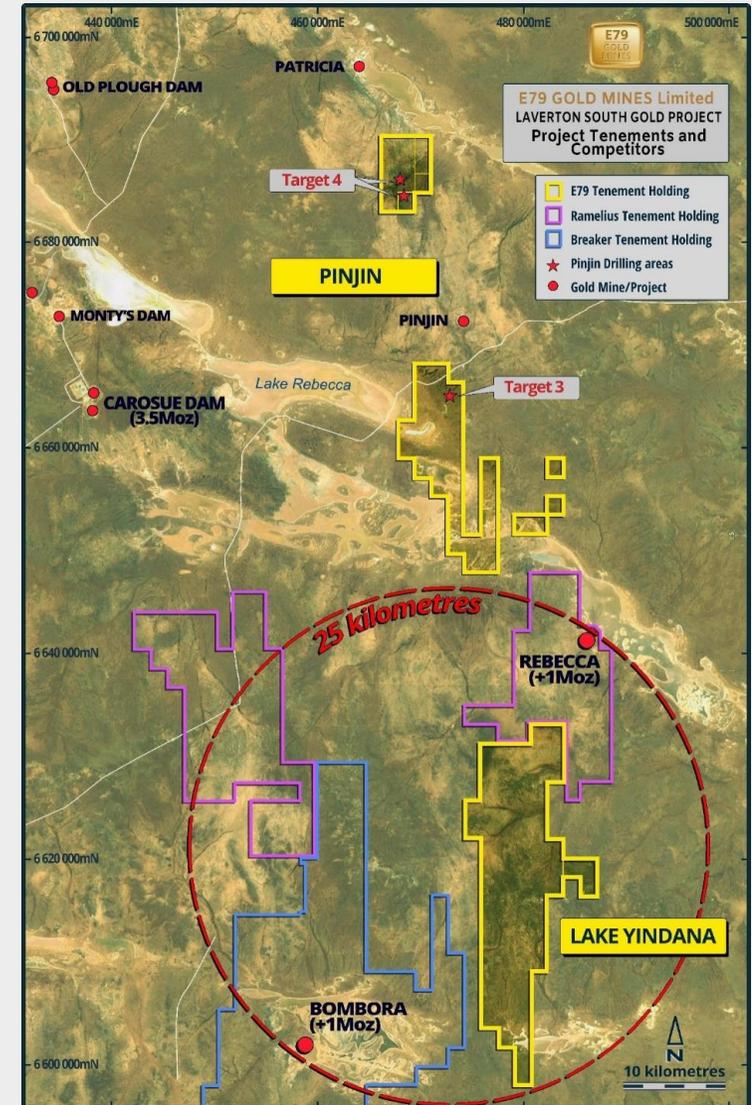
### Lake Roe Gold Project

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



### Carosue Dam

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

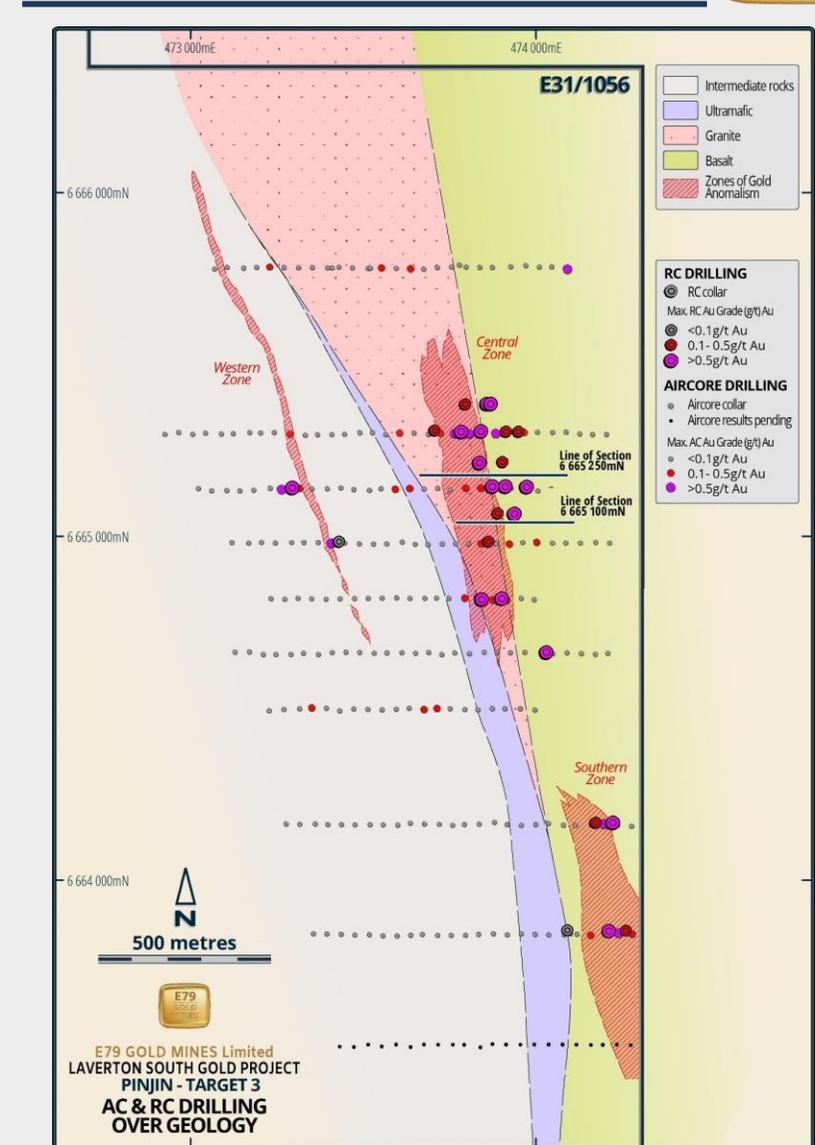


# PINJIN: Work to date



- 350km<sup>2</sup> of gravity surveys
- 1,000 soil samples
- >50,000m of drilling
- 2 main prospects, Target 3 and Target 4
  - Prospective geology – large scale structures, gold on lithological contacts
  - De-magnetised stratigraphy – gold bearing hot fluids
  - Evidence of large-scale fluid flow
  - Gold pathfinder elements suggest a mineralised fluid
- Significant results at Target 3
  - Multiple +1g/t drill intersections over 2km strike and down to 200m depth
  - Most recent RC drilling hit highest grades to date<sup>1</sup>
  - Open in all directions

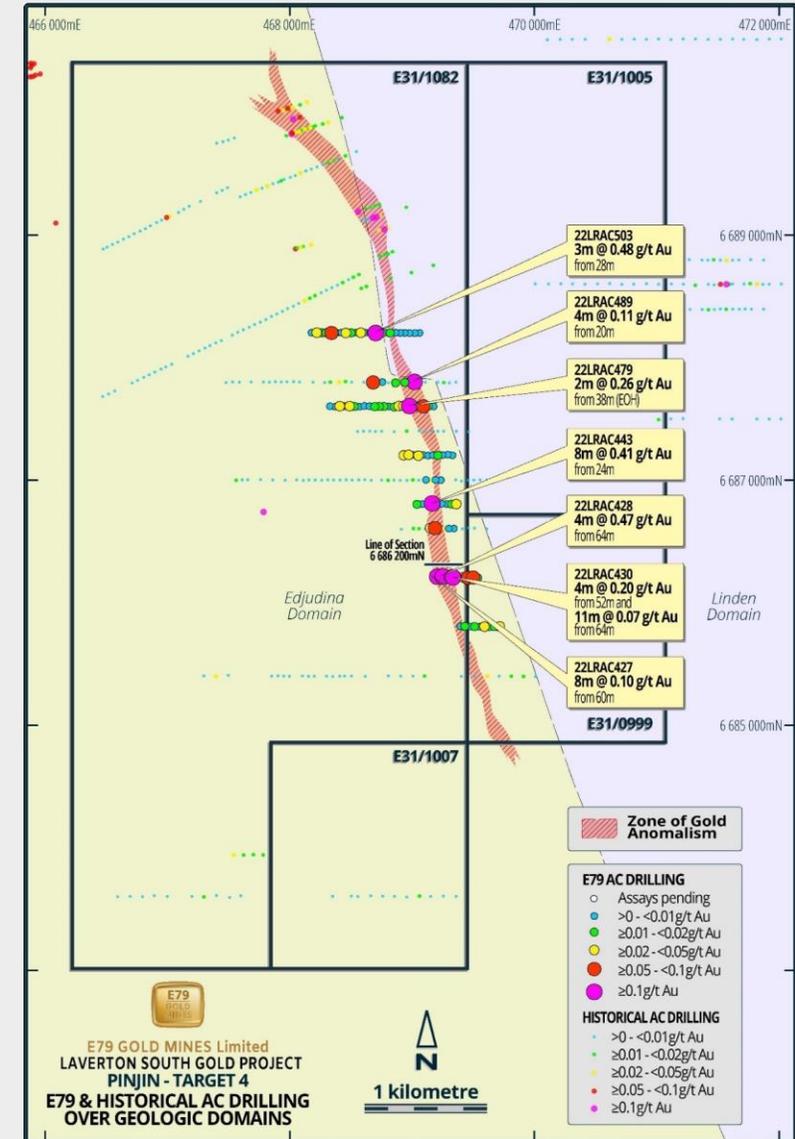
<sup>1</sup>Refer to E79 ASX Announcement 27 July 2023



# 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 recent AC program include:
  - **12m @ 1.12g/t Au** from 68m (23LRAC163), including: 4m @ 1.79g/t Au from 72m
  - 11m @ 0.17g/t Au from 64m (23LRAC160)
  - 8m @ 0.32g/t Au from 80m (23LRAC141)
- Next phase of exploration is to test at depth

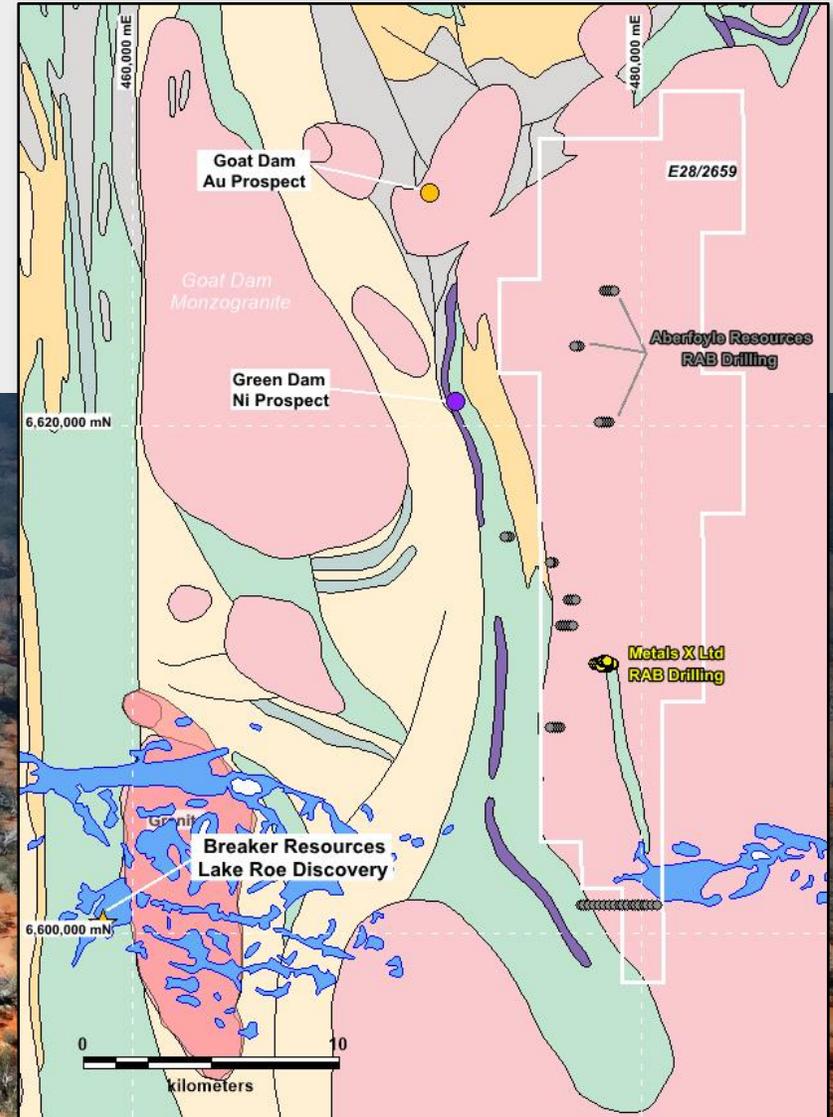
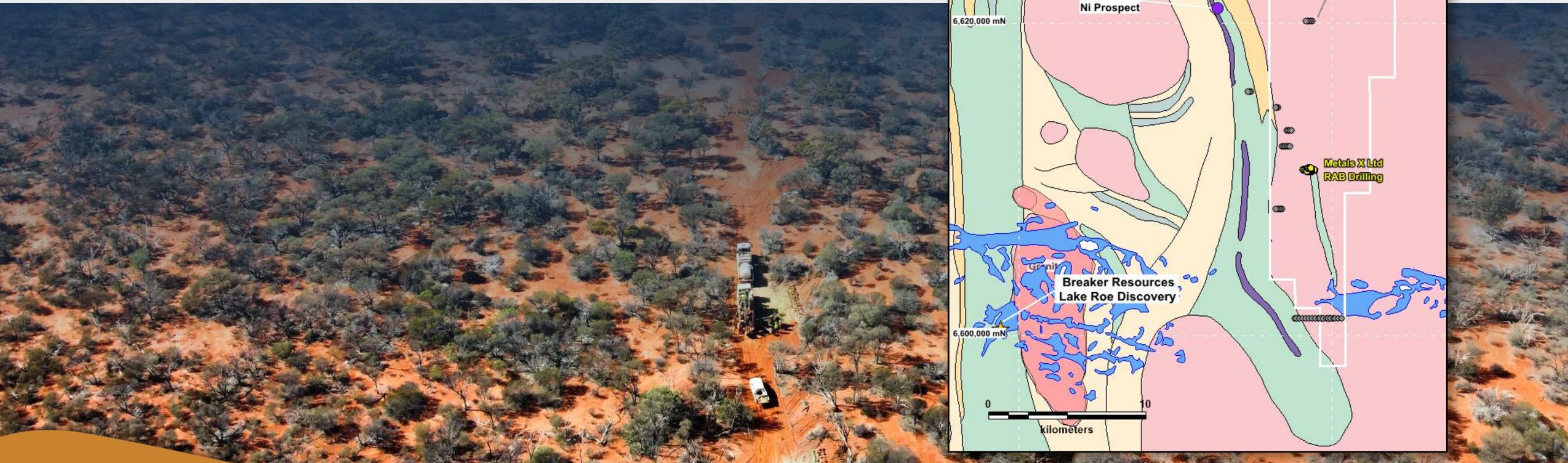


# PROJECTS

## LAVERTON SOUTH PROJECT – LAKE YINDANA



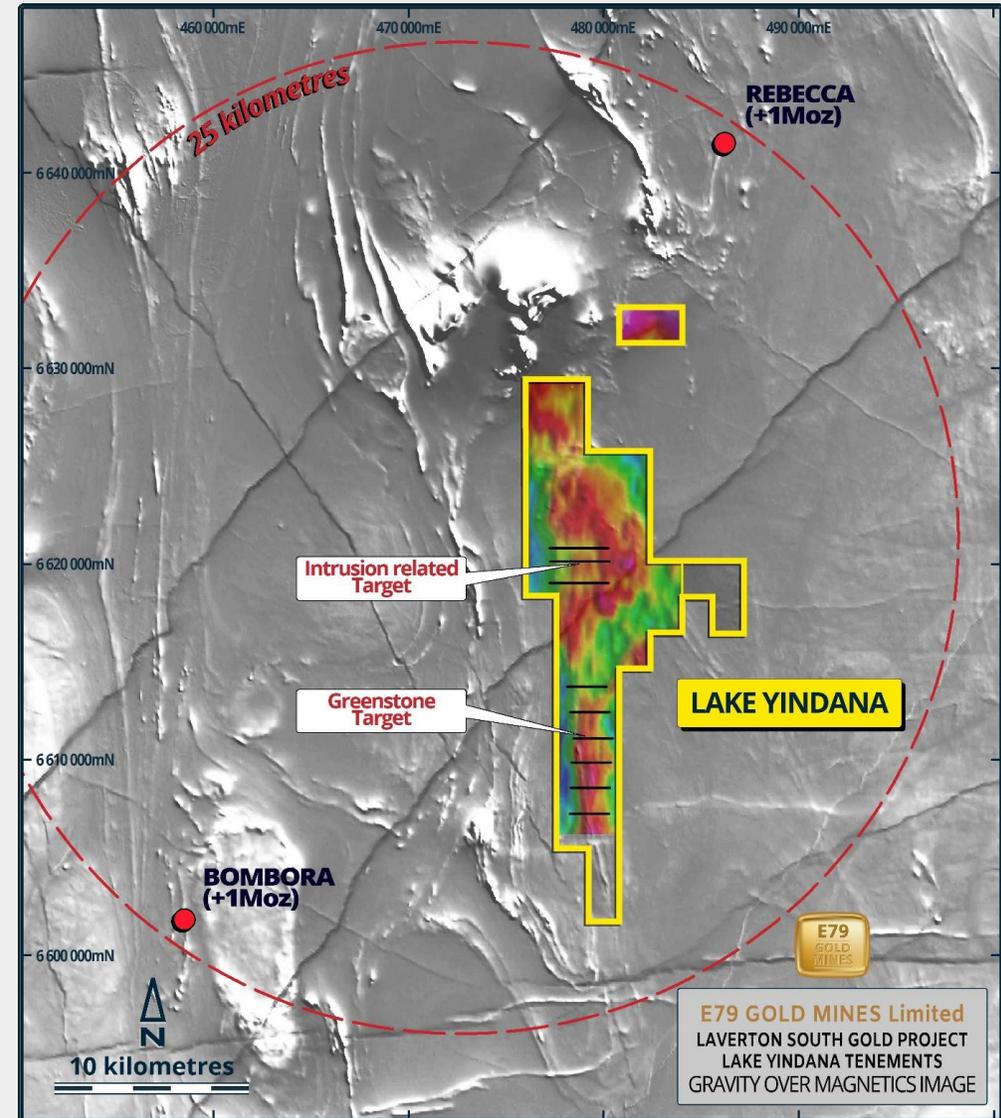
- First-mover opportunity
- GSWA maps show the tenement is underlain by less prospective granite (not correct)
- Discouraged historic exploration – only 65 RAB drill holes, huge areas not explored



# 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
- Current 10,000m aircore program underway
  - Intrusion target drilling complete
  - Greenstone target underway, expected completion this month
- Greenstones identified in drilling
- Multi-element analysis will test for gold, base metals, nickel, rare earths, lithium
- Results due back in early 2024



## 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.'**

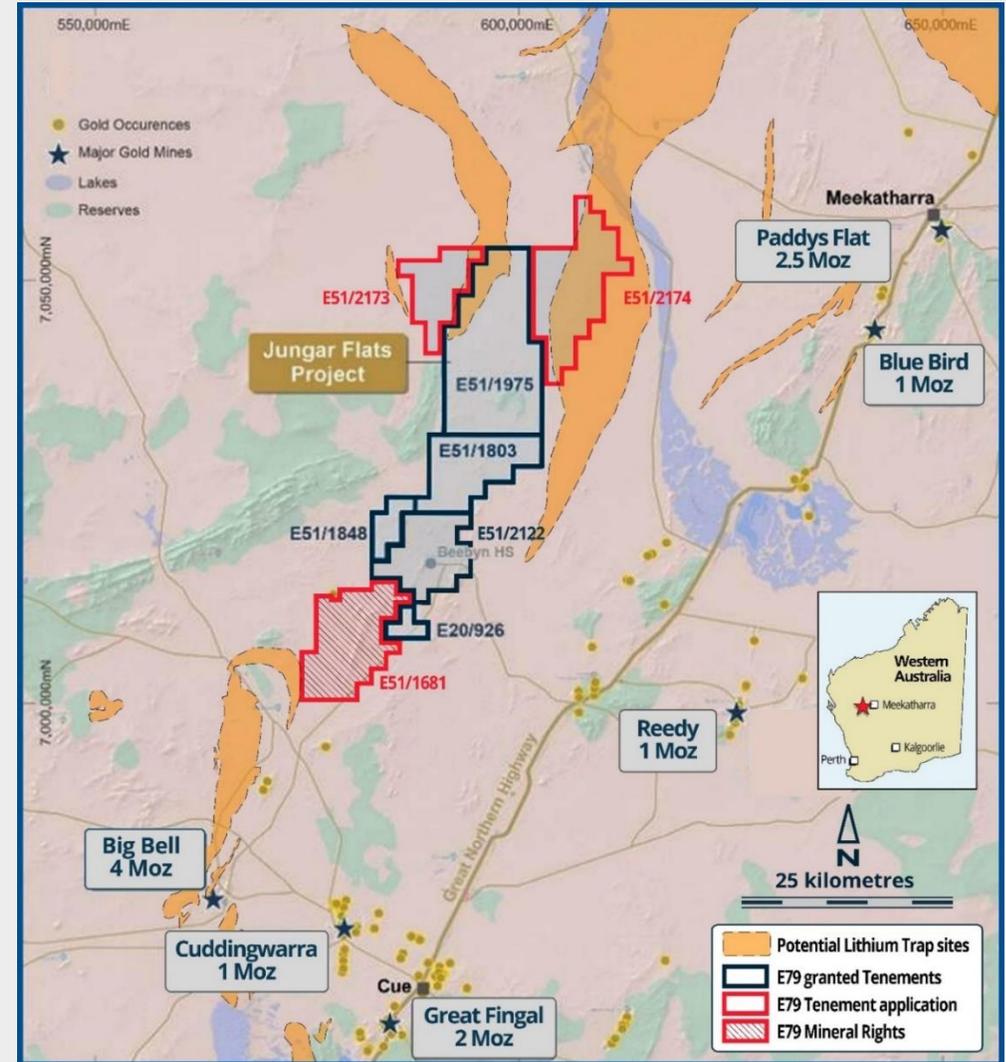
**And '...the key to exploration success is being the first, or very early, into a new search space'.**

**Dr Jon Hronsky**

# MURCHISON PROJECT - JUNGAR FLATS



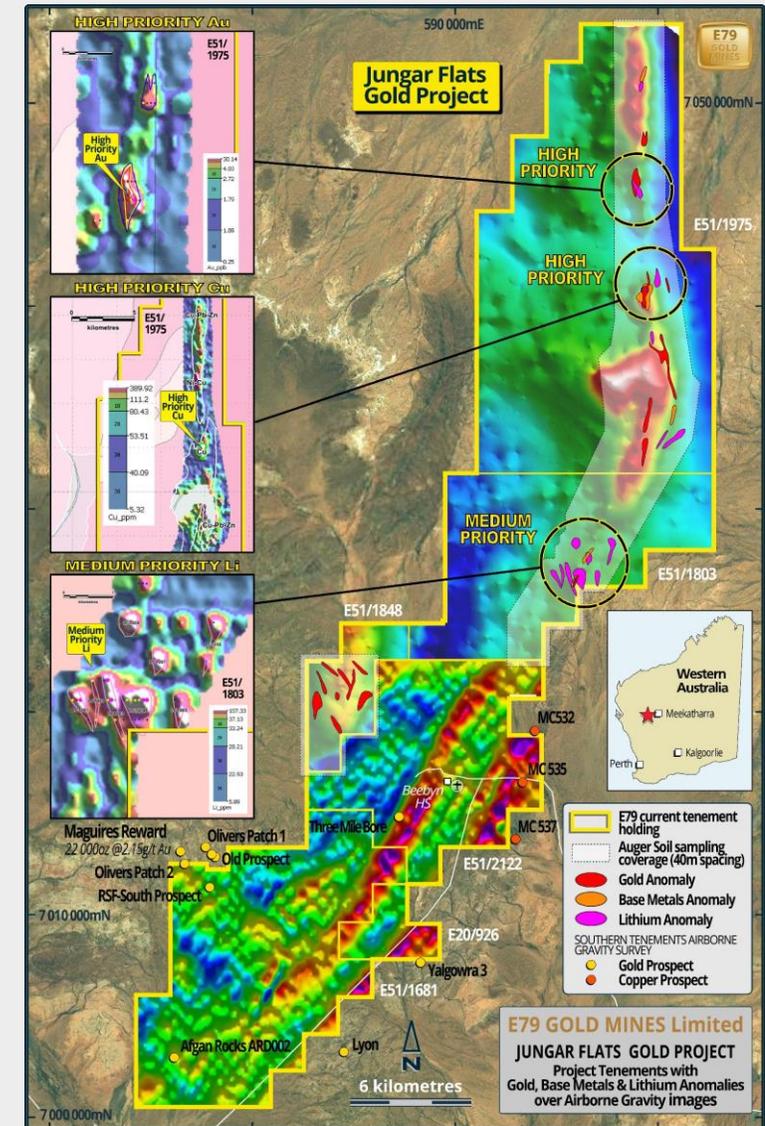
- 698km<sup>2</sup> of tenure containing early stage exploration targets
- Murchison Goldfields +30 million ounces gold endowment
- ~60km of strike along the Big Bell Shear and associated structures
- New acquisitions to the south which increased our tenure over the deep-tapping Big Bell Shear associated 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



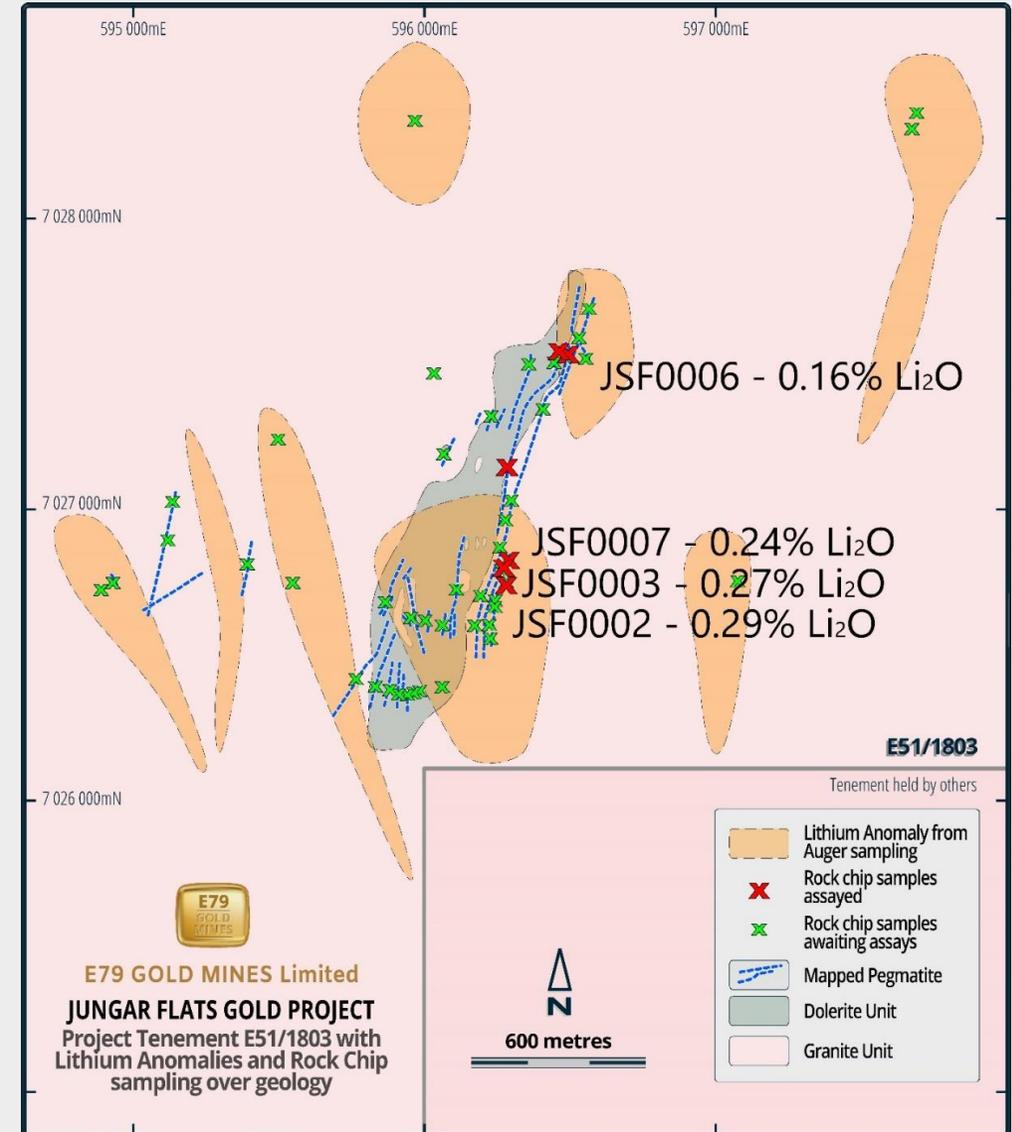
- Large-scale gravity survey completed over northern area in 2022
- New targets identified and first-pass soil auger completed
  - 35km of greenstone tested by ~3,000 sample auger program
  - Independently reviewed results show multiple targets for priority follow-up including:
    - High-priority gold 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
- All targets sit within prospective greenstone rocks



# JUNGAR FLATS AUGER



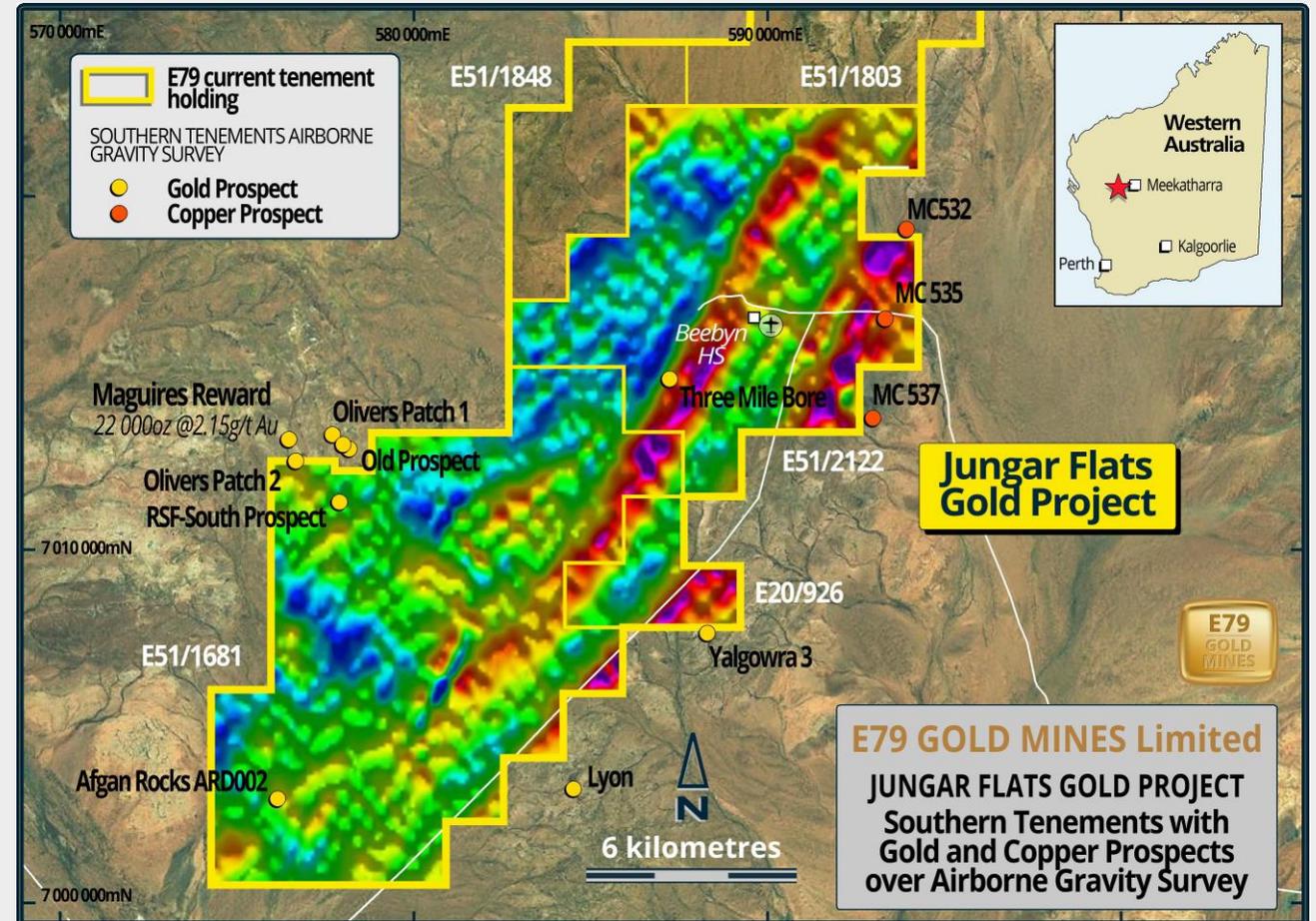
- Follow up work identified the cause of the lithium anomaly from the auger program
- Swarm of pegmatites mapped and sampled
  - Results up to 0.29% Li<sub>2</sub>O from rock chip samples in southern area tested
  - Coherent anomaly mapped over 600m, constrained by outcrop
  - Northern area tested shows low Rb/K ratio's indicating a fractioned source
  - More work to do to delineate further potential pegmatites
- Next phase of work will be to undertake appropriate heritage surveys ahead of initial drill testing of the gold, copper and lithium anomalies



# 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

# SUMMARY

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# E79 GOLD MINES

Committed to a sustainable future

Thank you

Money in the ground.