



# E79 GOLD MINES

Money in the Ground

AGM 10 November 2022

# 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.
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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.

- **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 (Stavelly Minerals)
- **Good ground** – two sizeable projects in prolific ‘world-class’ greenstone belts
- **Good strategy** – ‘money in the ground’, applied technology in exploration leading to discovery
- **Shareholder value** – a history of delivering for shareholders



## Non-Executive Chair

Chris Cairns

## Non-Executive Director

Deborah Lord

## Non-Executive Director

Peter Ironside

## Chief Executive Officer

Ned Summerhayes

## Company Secretary



Amanda Sparks

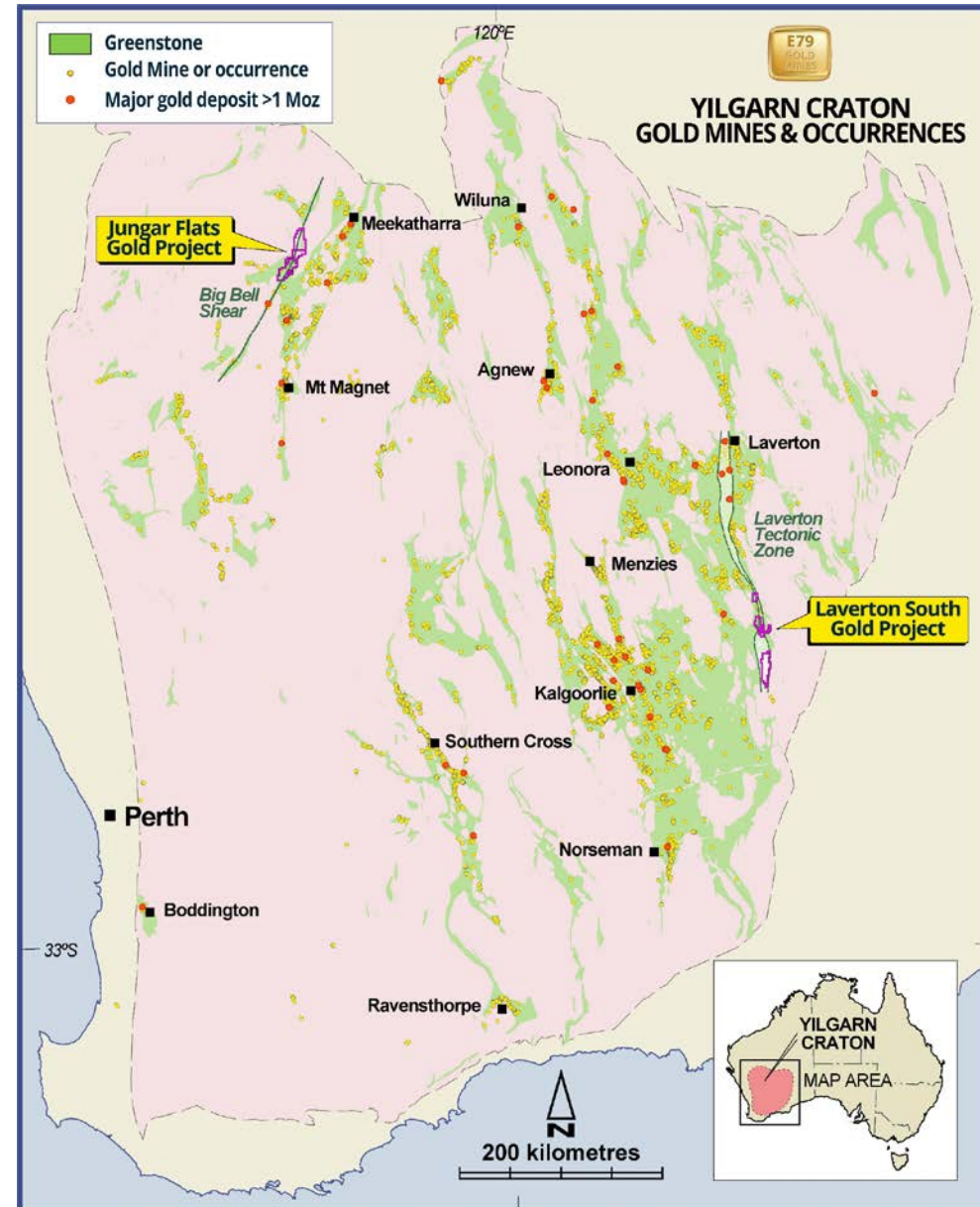
Share Price	\$0.11
Shares on issue	66,000,749
Market Capitalisation	\$7.26M
Cash on Hand	\$6.15M
Enterprise Value	\$1.11M
Board and Management Holding	~15.8%
Shares on escrow	14.3%
Top 20 Shareholders	45%

# PROJECTS



## Two projects in the Eastern Goldfields of Western Australia

-  355 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





# PROJECTS



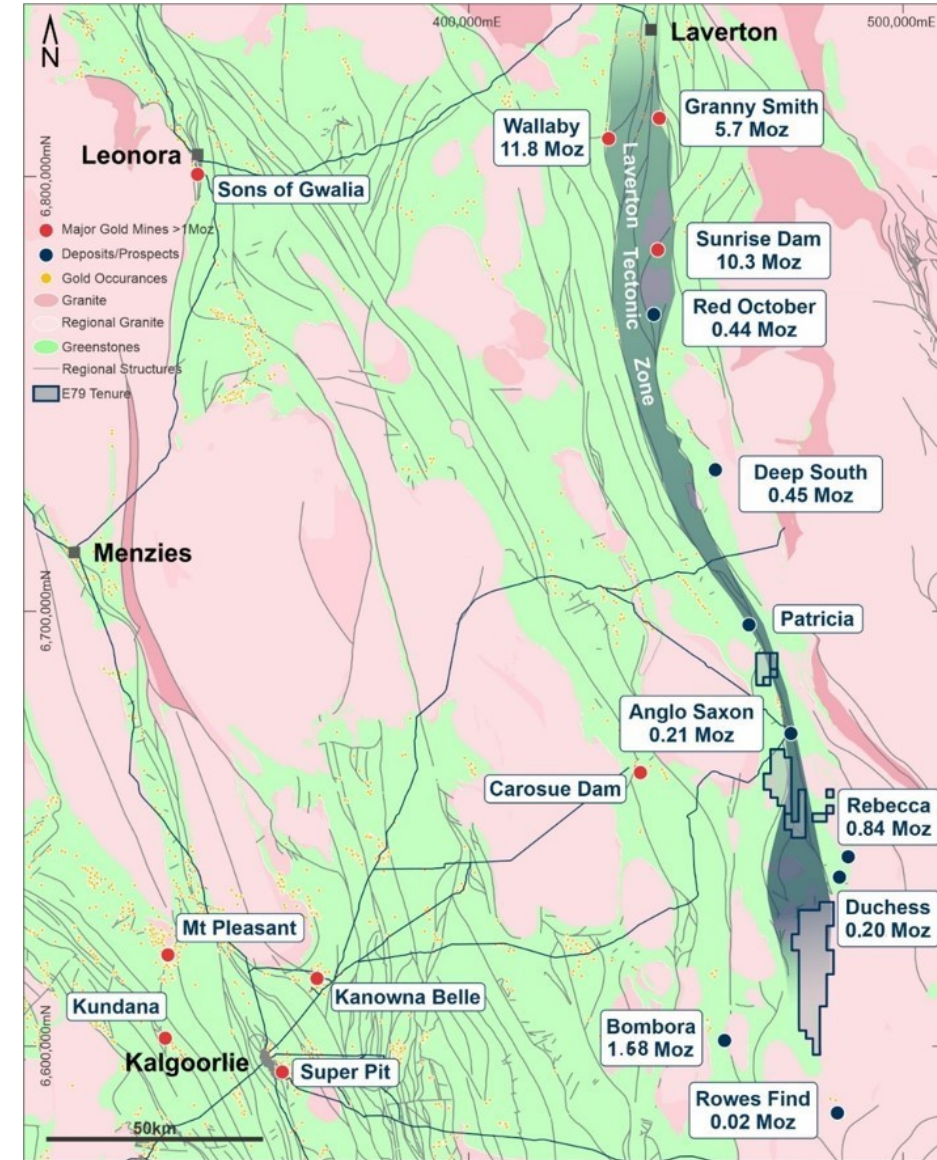
## Laverton South Project



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

Deposit	Historical Production			Resources						Endowment
				Meas & Ind			Inf			
	Tonnes (kt)	Grade	Ounces	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 Annecore 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 – 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.







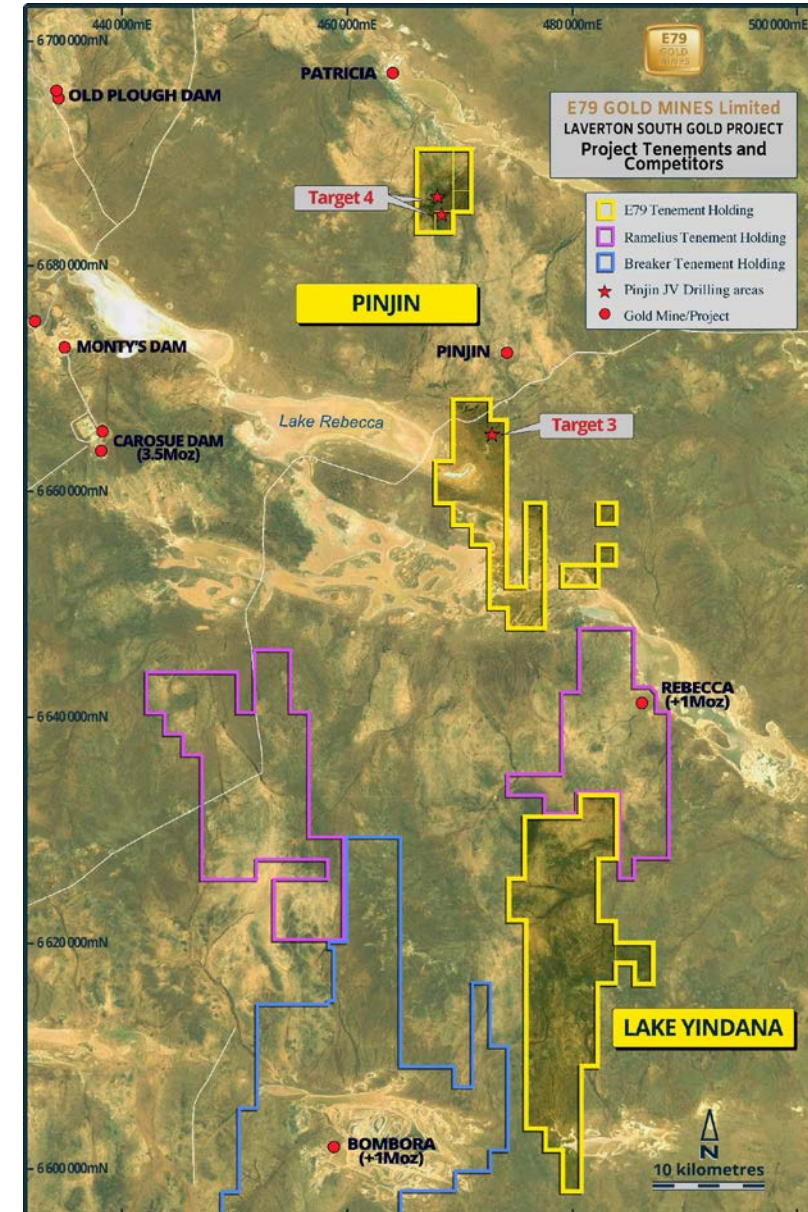
“Money in the ground.”

# PROJECTS



## Laverton South Project




-  Pinjin 100% owned
-  Lake Yindana 100% Owned
-  Recent + 1.5Moz discovery at Bombora (Breaker Resources 20/12/21)
-  Recent +1Moz discovery at Rebecca / Duchess (Ramelius Resources 12/4/22)

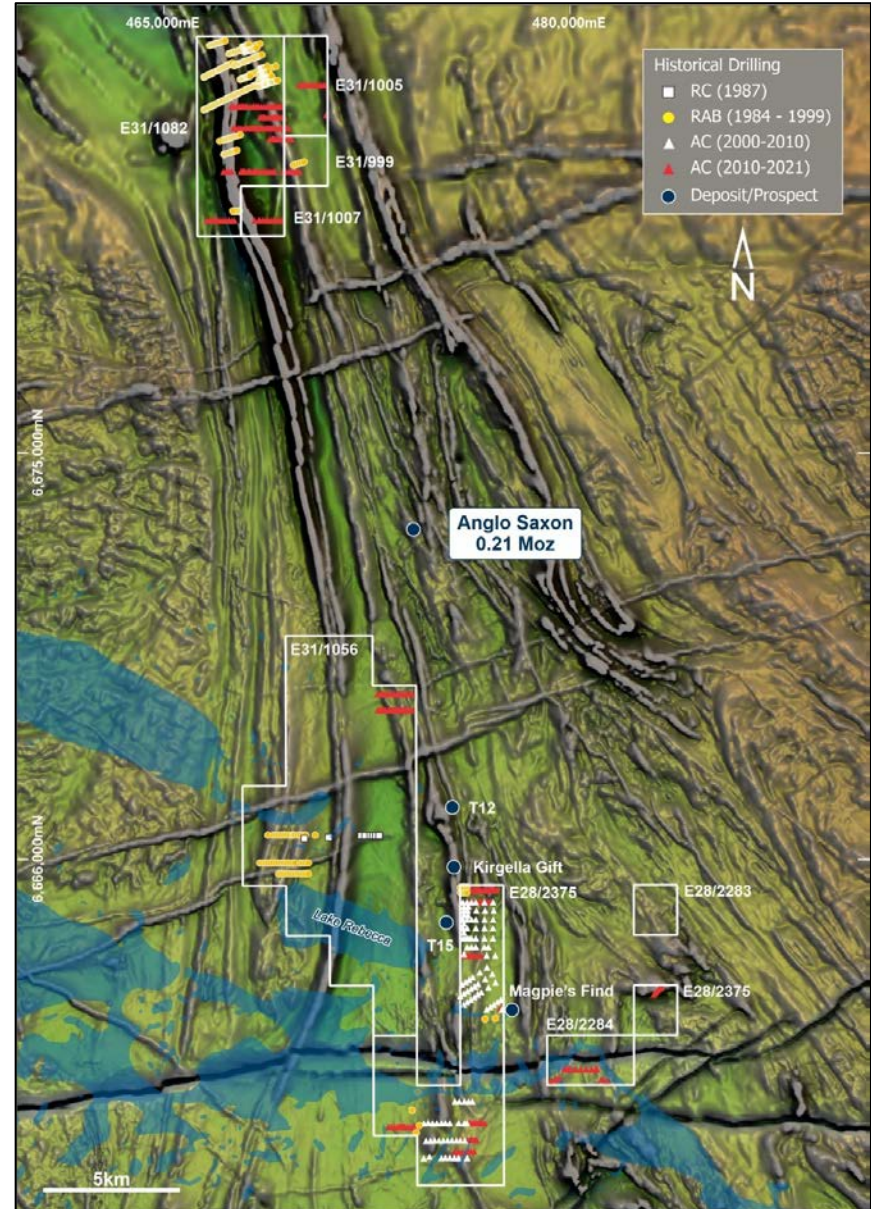


“Money in the ground.”



## Laverton South Project - Pinjin

-  E79 100%
-  A series of tenements along strike north and south of the Anglo Saxon (Trouser Legs) Gold Mine, Pinjin Goldfield
-  In conjunction with the Lake Yindana tenement, the tenure controls the north and south strike extensions of the Rebecca / Duchess discoveries

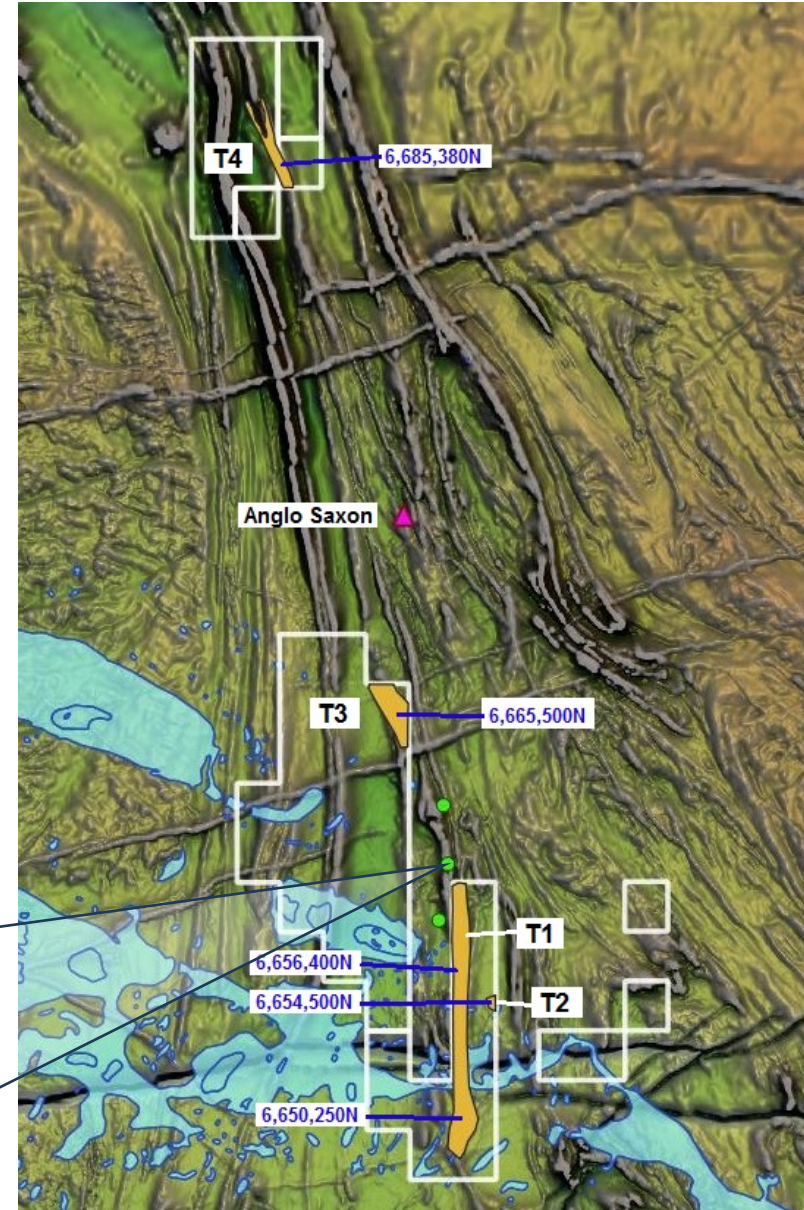




## Laverton South Project - Pinjin

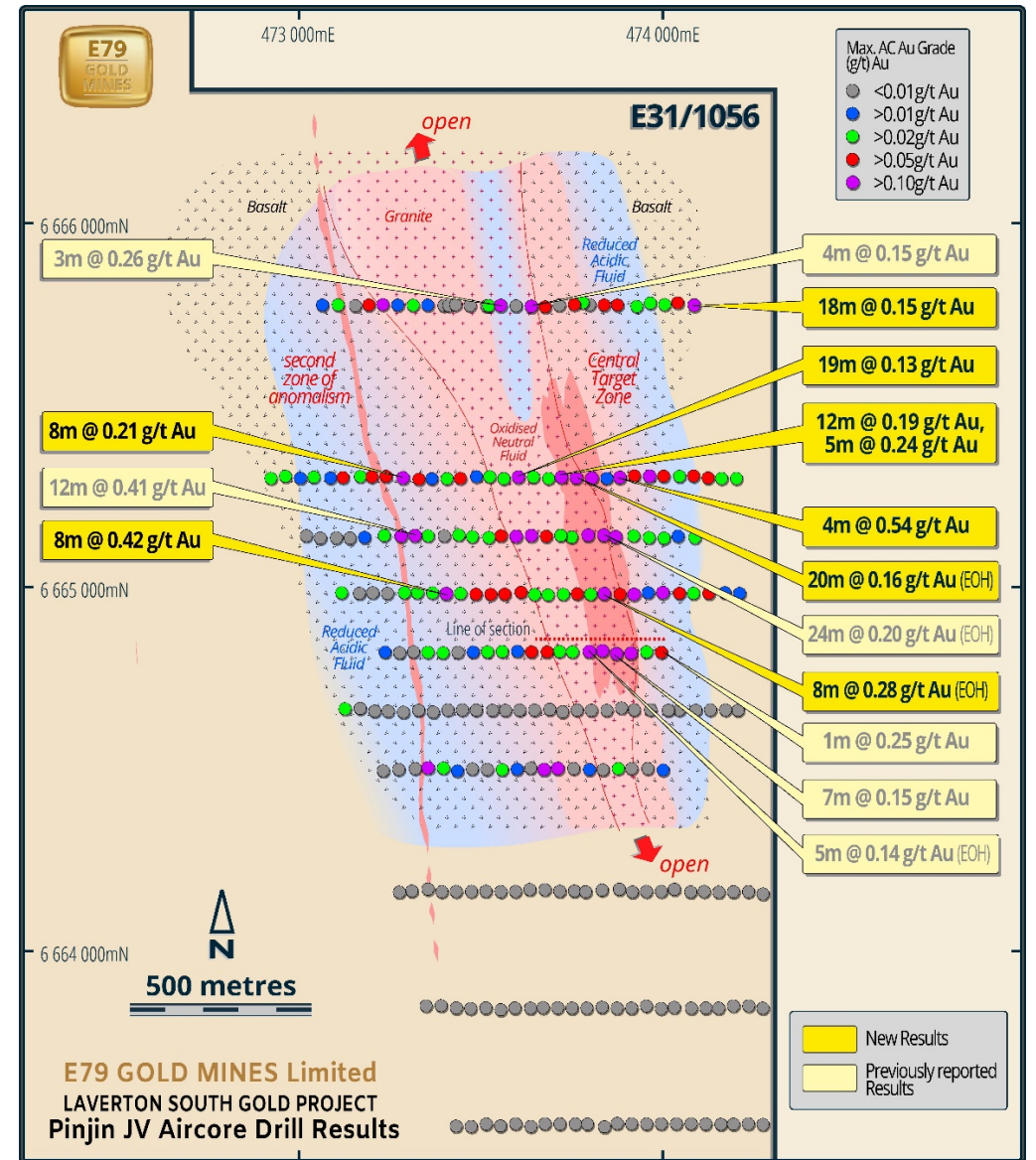
- Targeting completed by previous explorer, St Barbara – walk-up drill targets including
  - T1
  - T2
  - T3 – Drilled by E79
  - T4 – Drilled by E79

Kirgella's Gift RC drilling results include:  
33m @ 3.10g/t Au from 51m  
(Renaissance Minerals Limited, ASX announcement, 11 April 2011)



## Target 3- Pinjin

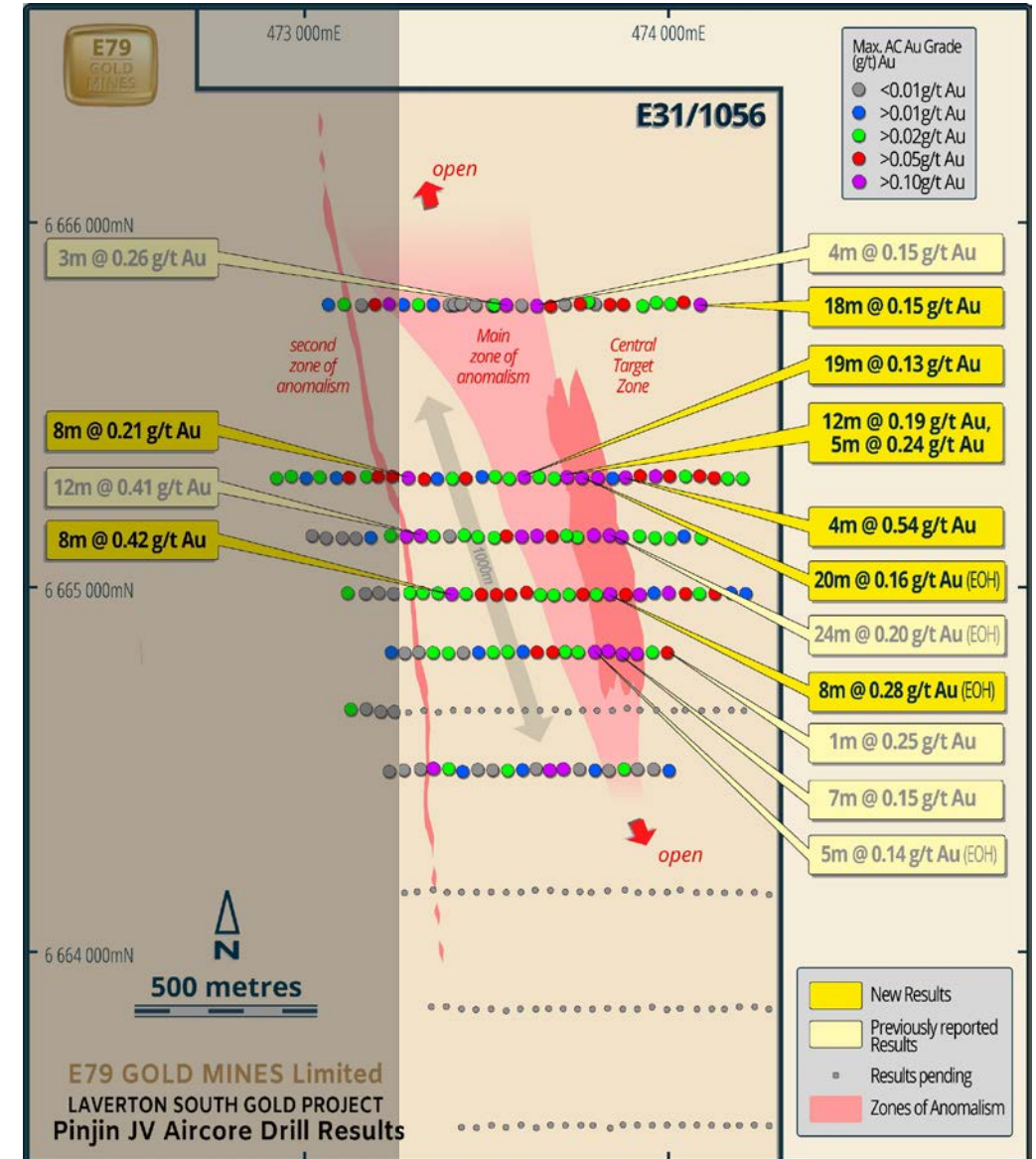
- Anomalous gold found at base of and under a regional paleochannel.
- To date ~21,500m aircore drilled
- Results show two 1,600m long zones of anomalous gold
- Central zone has a 600m wide and 120m wide core of thick anomalous gold to end of hole
- Western Zone shows a 500m long, 50m wide zone of anomalism with slightly higher Au values.





## Target 3- Central Zone

- Drilled at 160m line spacing
- 4 consecutive lines show a linear, 600m long 120m wide zone with thick anomalism to end of hole
- 20m @ 0.16 g/t Au from 84m<sup>1</sup> to end of hole
- 24m @ 0.20 g/t Au from 80m<sup>2</sup> to end of hole
- 8m @ 0.29 g/t Au from 100m<sup>1</sup> to end of hole
- 5m @ 0.14 g/t Au from 72m<sup>2</sup> to end of hole
- Target supported by pathfinder elements and evidence of large scale fluid flow
- Sits in demagnetized zone along a greenstone/granite contact



<sup>1</sup>Refer to ASX 10 November 2022

<sup>2</sup>Refer to ASX 7 June 2022

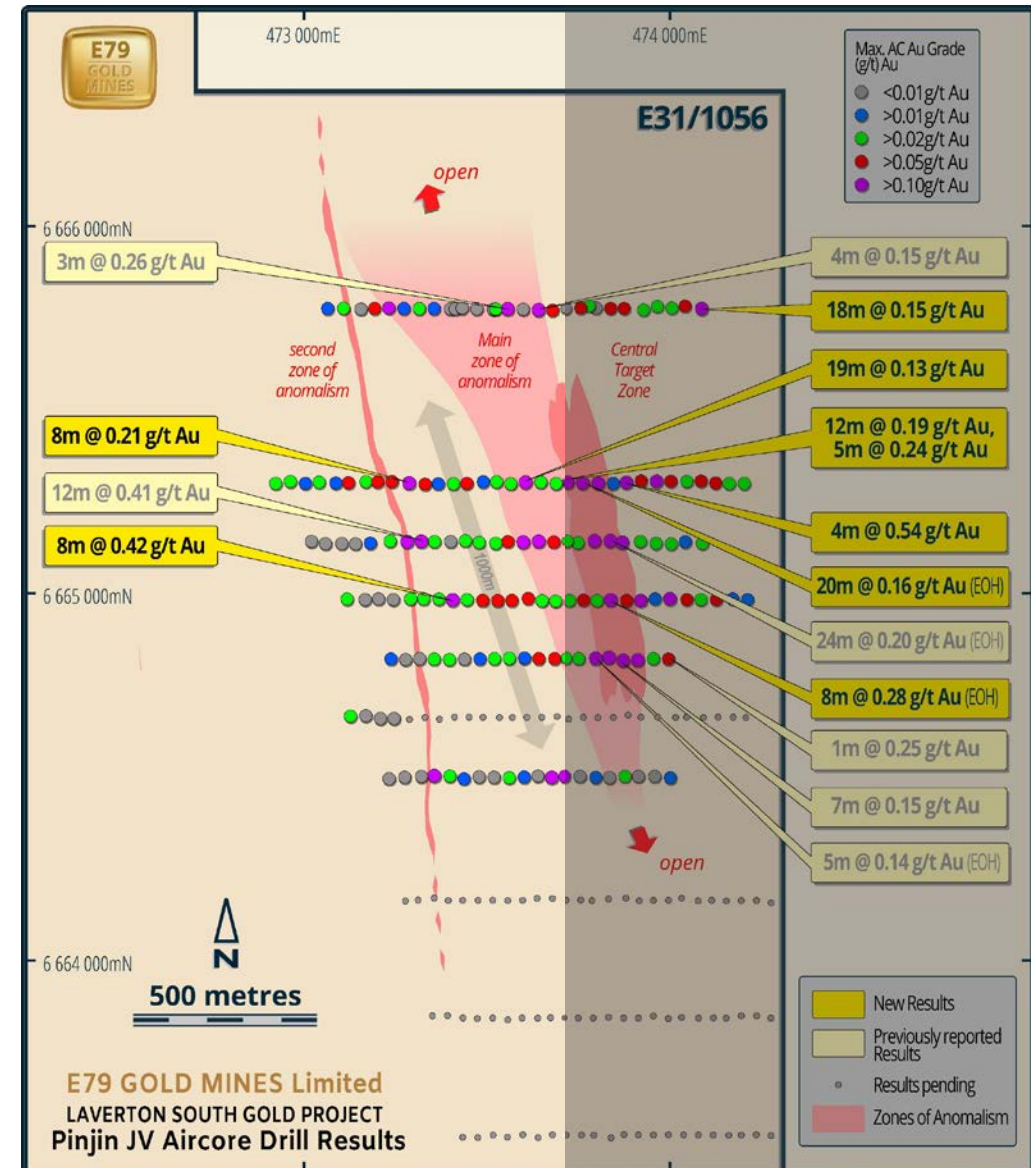


## Target 3- Western Zone

- Drilled to 160m line spacing
  - Within a 1,600m long zone of anomalous gold
  - Core is 500m long, 50m wide zone of anomalism. Gold values slightly higher
  - Within greenstone, structurally controlled
- 8m @ 0.21<sup>1</sup> g/t Au
  - 12m @ 0.41<sup>2</sup> g/t Au
  - 8m @ 0.42<sup>1</sup> g/t Au

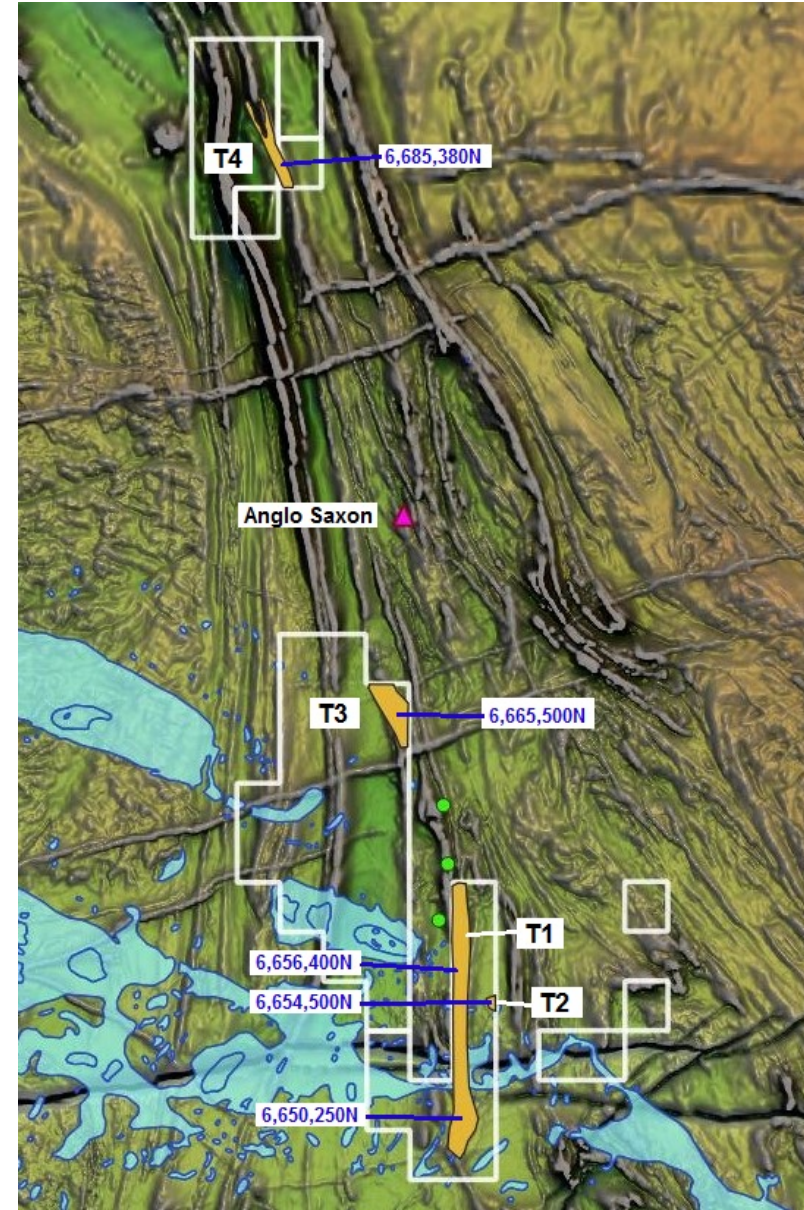
<sup>1</sup>Refer to ASX 10 November 2022

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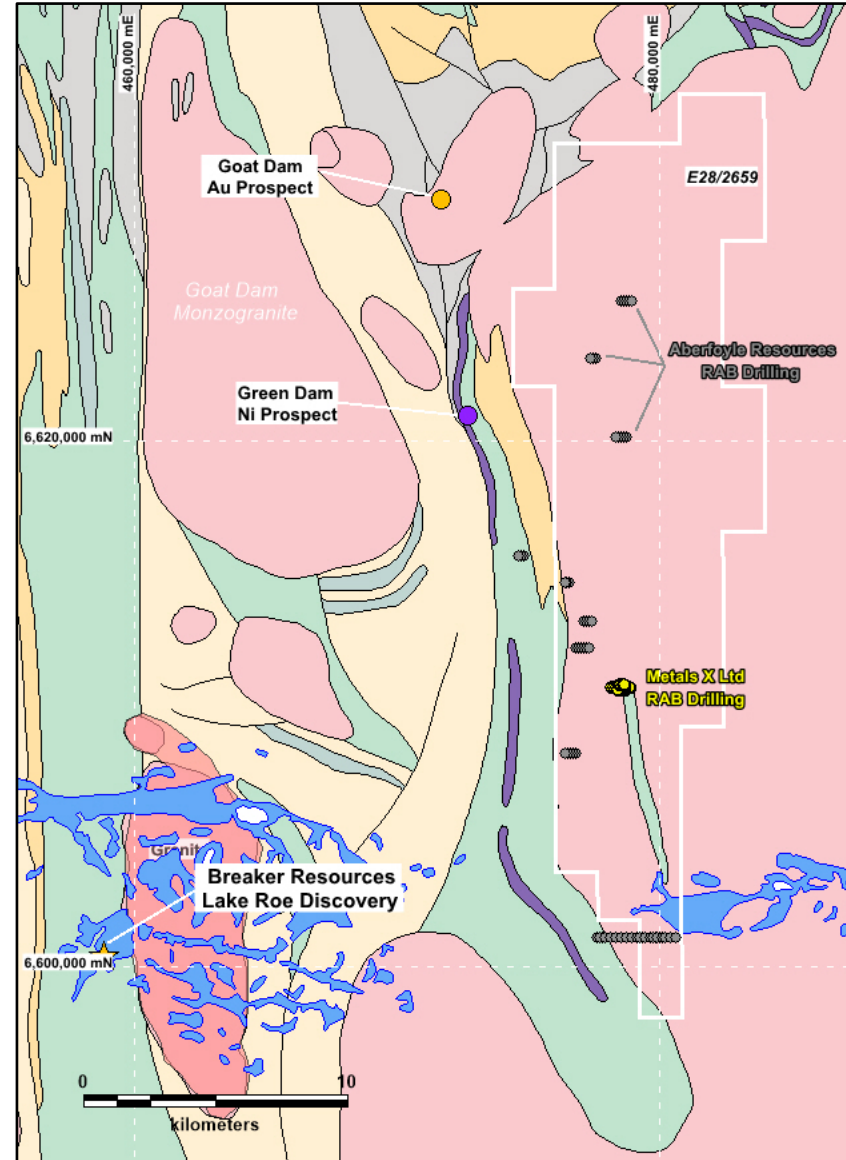
## Target 4 East

- Drilling by previous explorer outlined a 2.5km long zone of anomalous gold
- This zone sits on a domain boundary and extends south through the historic Pinjin Goldfield and north to the historic high grade Patricia open pits
- 95 Aircore holes drilled and awaiting assay
- Drill was designed to drill over prospective zone within the known anomalism and extend to the north



## Laverton South Project – Lake Yindana

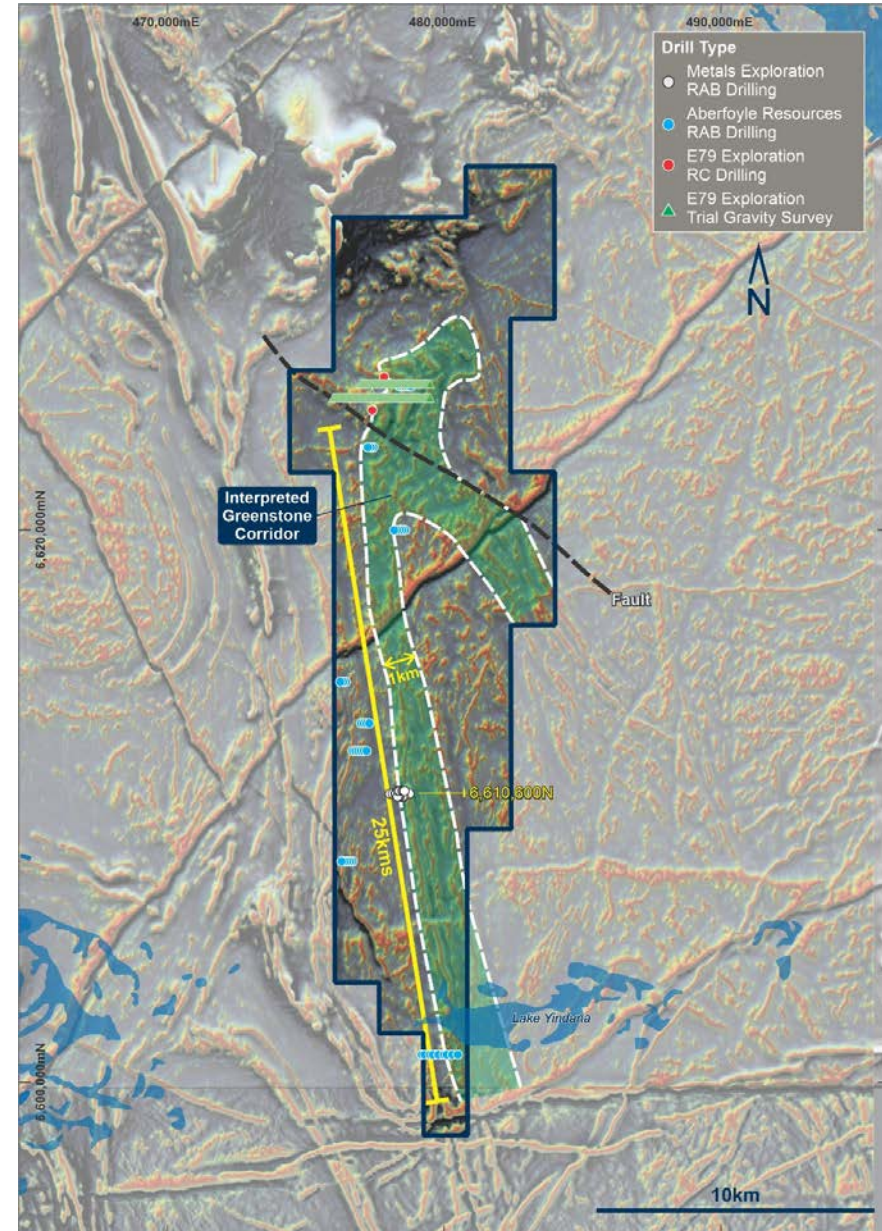
- First-mover opportunity
- GSWA maps show the tenement is less prospective granite (not correct)
- Discouraged historic exploration – only 65 RAB drill holes, huge areas not explored





## Laverton South Project – Lake Yindana

- Magnetics and recently acquired gravity clearly show that the tenement is underlain by ~25km of greenstones
- 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
- Given the distinct lack of previous exploration, effectively E79 has a ‘first-mover’ opportunity:

*‘...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*



# NEIGHBOURS



## Laverton South Gold Project

### Ramelius Resources

 +1 Moz resource

(Ramelius Resources 12/4/22)

### Breaker Resources

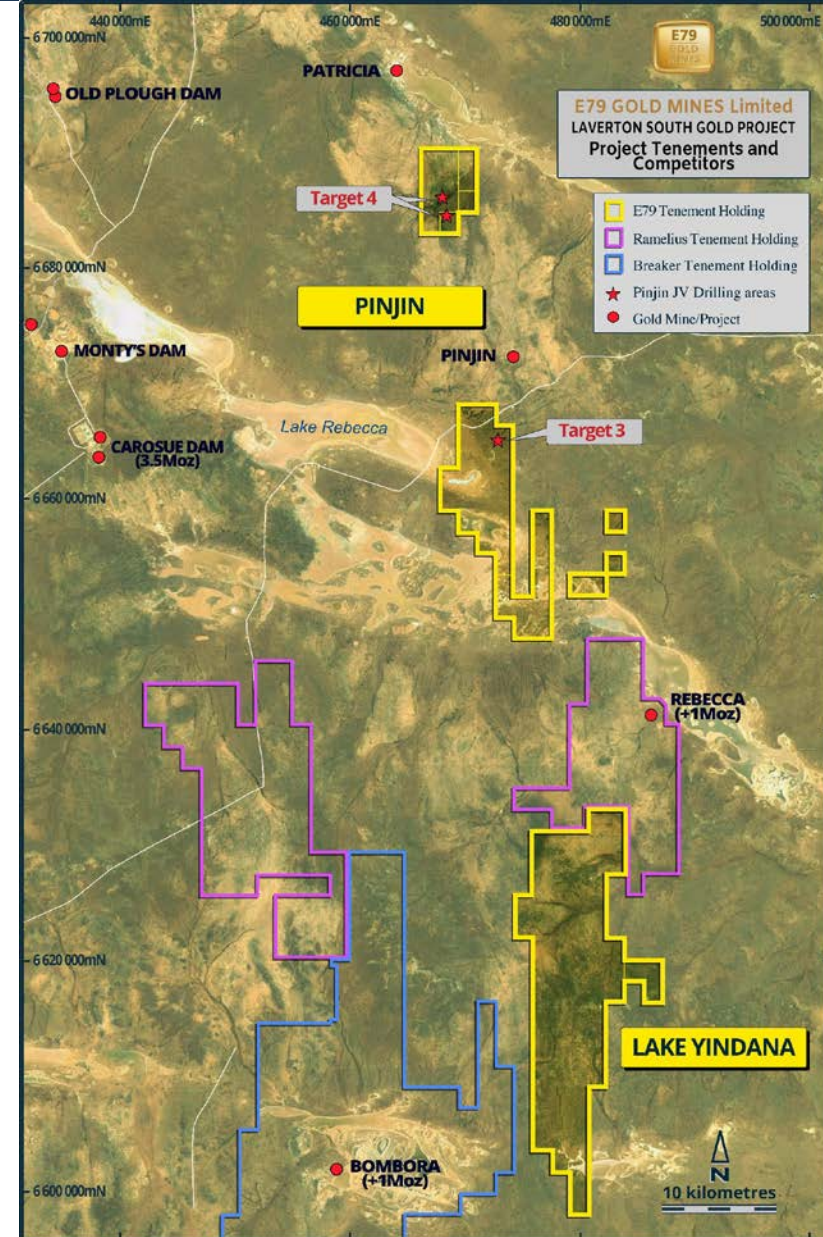
 +1.5 Moz resource

(Breaker Resources 20/12/21)

### Carosue Dam

 +4 Moz endowment

(Northern Star 3/5/22)







“Money in the ground.”

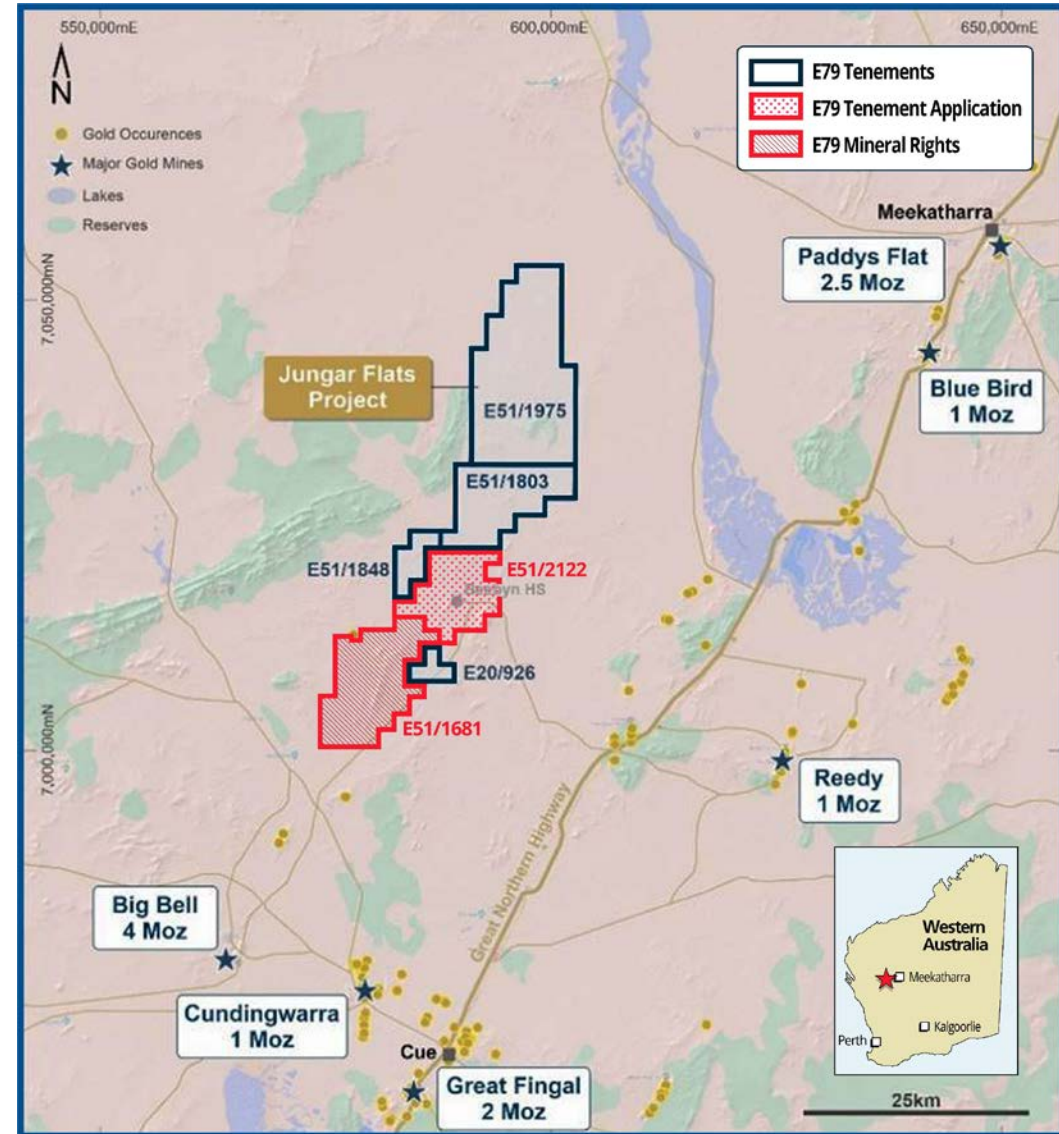


# PROJECTS



## Murchison Project - Jungar Flats

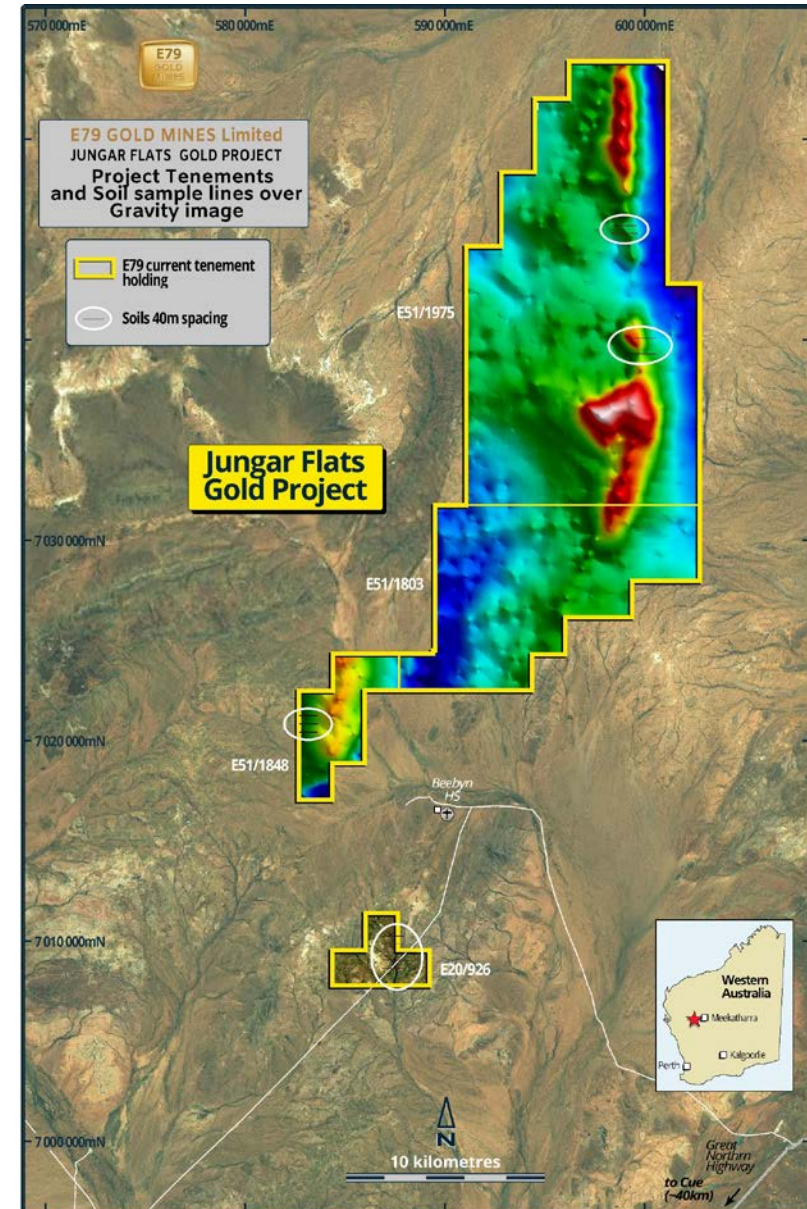
-  541km<sup>2</sup> of tenure
-  Murchison Goldfields >30 million ounces
-  ~90km of strike along the Big Bell Shear and associated structures
-  New acquisition to the south which increased strike length of the Big Bell Shear



“Money in the ground.”

## Jungar Flats Project

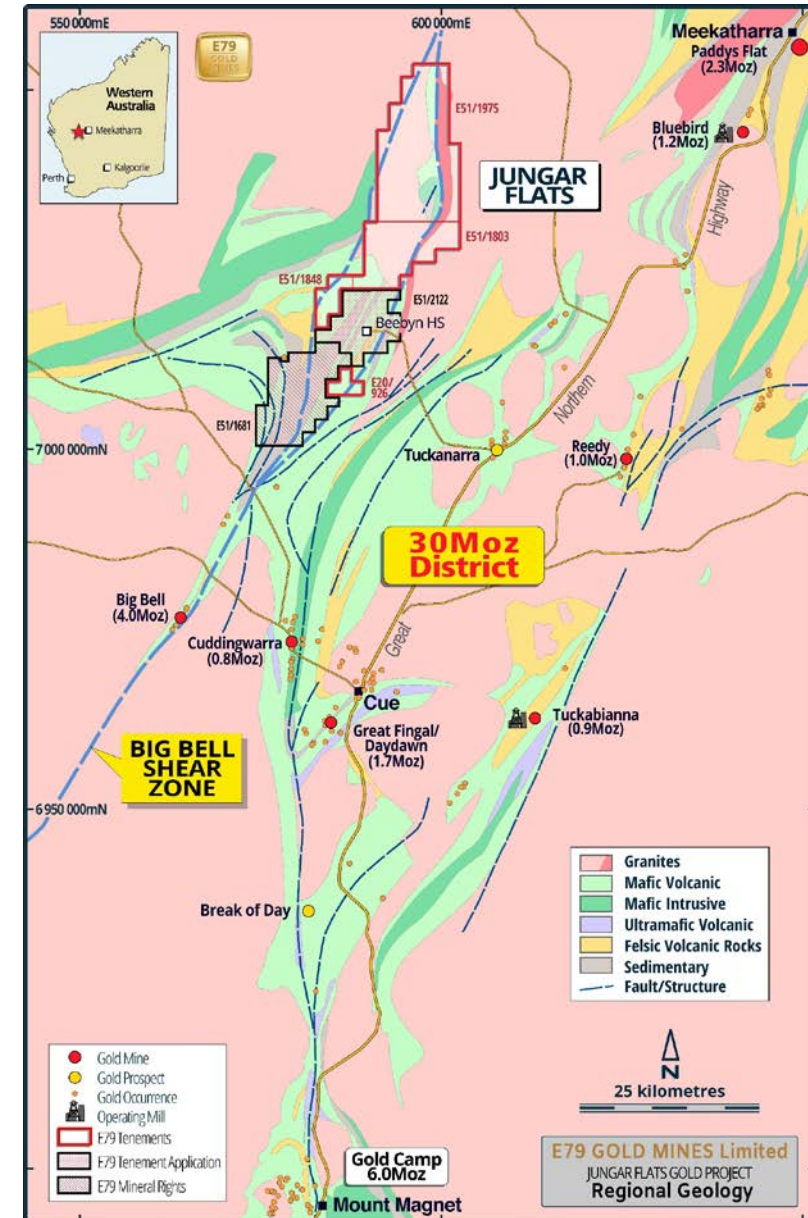
- Large scale gravity survey completed early 2022
- New targets identified
  - Location of the shear and greenstone belt more tightly defined in the north
  - Dolerite intrusion in central part of tenement is more extensive at depth than first thought
- Ultrafine™ analytical method successfully trialed, gold anomalism found at three of four target areas





## Jungar Flats Project

- Walk-up drill targets on Big Bell Shear Zone include:
  - 6km-long gold anomaly (BHP) – best 6m @ 0.17g/t Au, lack of follow-up (WAMEX Ref A32829)
  - T1975-1,2 & 3 (Newcrest) – best 4m @ 0.61g/t Au (WAMEX Ref A46347)
- Large scale auger program planned





## The Recipe

- Good management – track record of discovery and successful development
  - 2008 Explorer of the Year (Integra Mining)
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- Good Strategy – ‘money in the ground’, applied technology in exploration leading to discovery
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# E79 GOLD MINES

Committed to a sustainable future

## Thank you

**“Money in the ground.”**