



E79 GOLD MINES

Money in the Ground

RRS Gold Coast 17 May 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.

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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.

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)



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

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

\$0.10
Share Price

66,000,749
Shares on issue

\$6.93M
Market
Capitalisation

\$4.49M
Cash on Hand
(31 March 2023)

\$2.44M
Enterprise
Value

~15.8%
Board and
Management
Holding

14.3%
Shares on
escrow

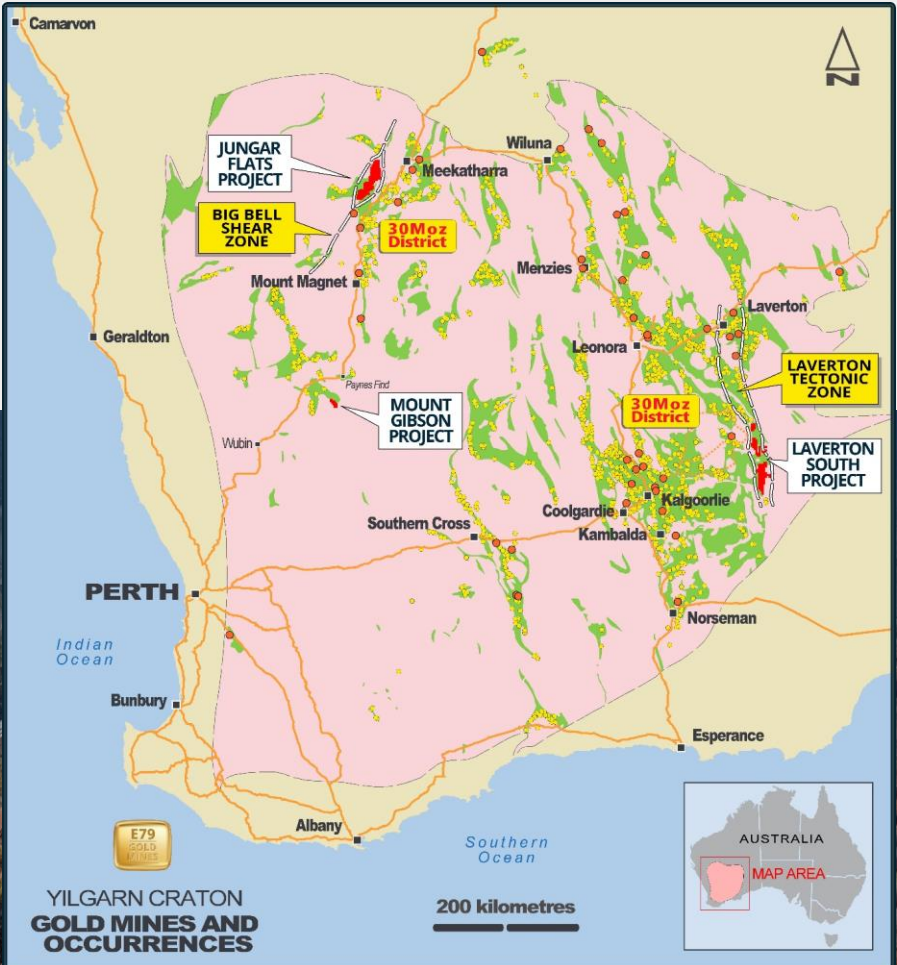
45%
Top 20
Shareholders

PROJECTS

TWO FLAGSHIP PROJECTS IN THE EASTERN GOLDFIELDS OF WESTERN AUSTRALIA

355 km² of tenure in the Laverton Tectonic Zone - one of the world's most prolific gold belts ~30Moz

541km² of tenure in the Murchison Goldfields – ~30Moz of endowment



PROJECTS

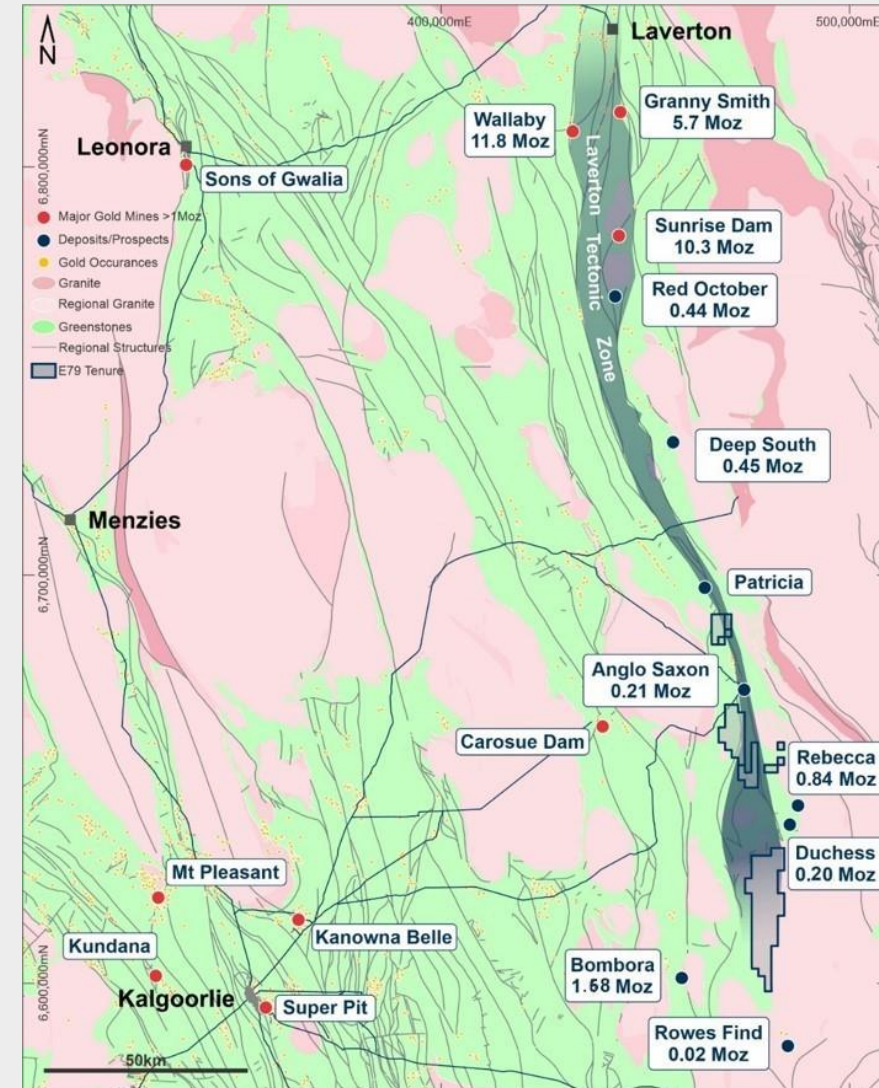
LAVERTON SOUTH PROJECT



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 ¹	-	-	5,100,000	3,581	3.77	434,000	2,067	3.44	229,000	5,763,000
Wallaby ²	-	-	4,500,000	29,990	6.20	5,977,000	8,985	4.41	1,273,000	11,750,000
Sunrise Dam ³	-	-	6,700,000	41,090	2.02	2,670,000	12,550	2.38	960,000	10,330,000
Red October ⁴	1,700	6.1	342,000	324	4.6	48,000	99	15.3	49,000	439,000
Deep South ⁵	2,077	3.1	209,236	1,897	2.7	162,000	1,031	2.3	78,000	449,236
Anglo Saxon ⁶	673	2.4	49,694	449	6.9	99,000	347	5.2	58,000	206,694
Rebecca ⁷	-	-	-	13,600	1.5	640,000	6,800	0.9	200,000	840,000
Duchess ⁸	-	-	-	4,150	0.9	125,000	2,700	0.8	75,000	195,000
Lake Roe ⁹	-	-	-	15,863	1.53	778,000	16,066	1.8	906,000	1,684,000
Rows Find ¹⁰	-	-	-	-	-	-	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 – 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 Moz resource
(Ramelius Resources 12/4/22)



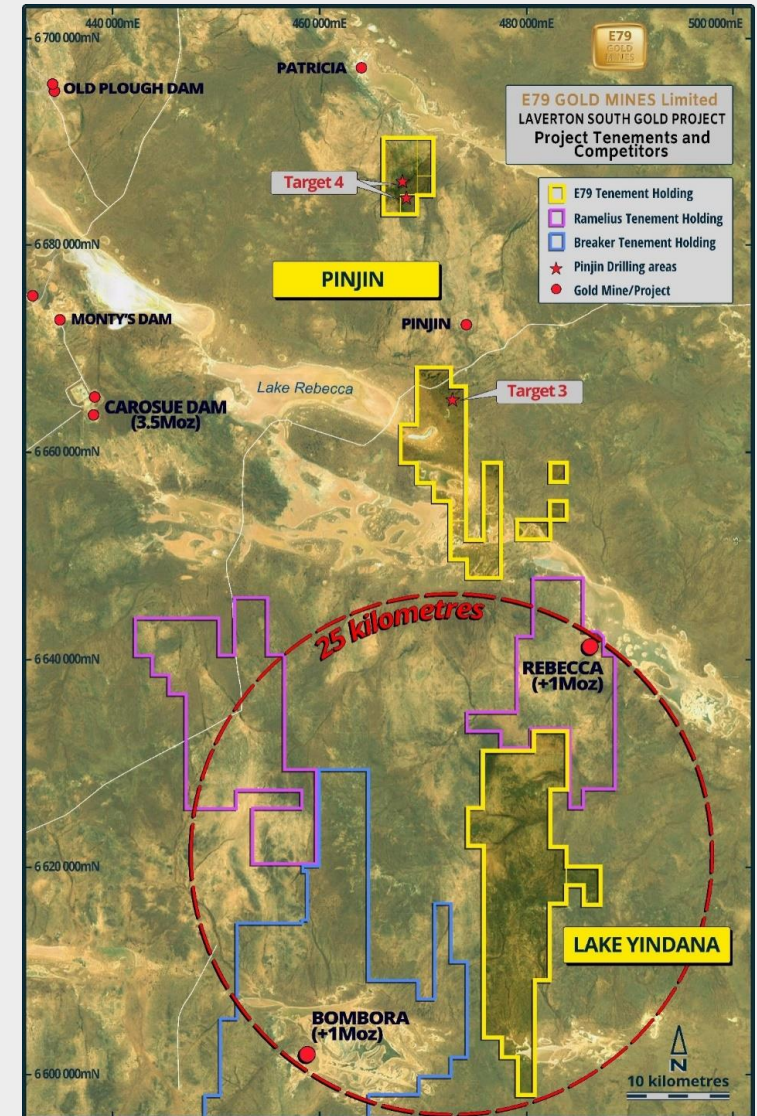
Lake Roe Gold Project

+1.5 Moz resource
(Breaker Resources 20/12/21)



Carosue Dam

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



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



PROJECTS

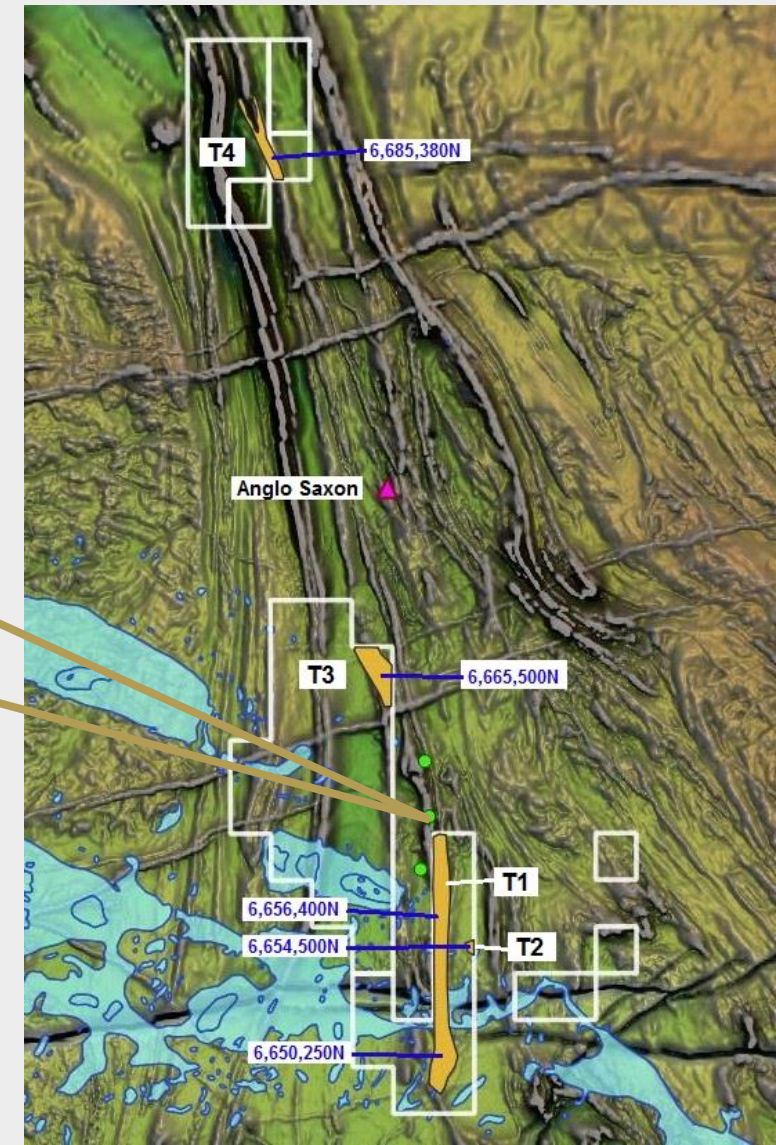
LAVERTON SOUTH PROJECT - PINJIN



Targeting completed by previous explorer, St Barbara – walk-up drill targets including

- T1
- T2
- T3 – Drilled by E79
- T4 – Drilled by E79

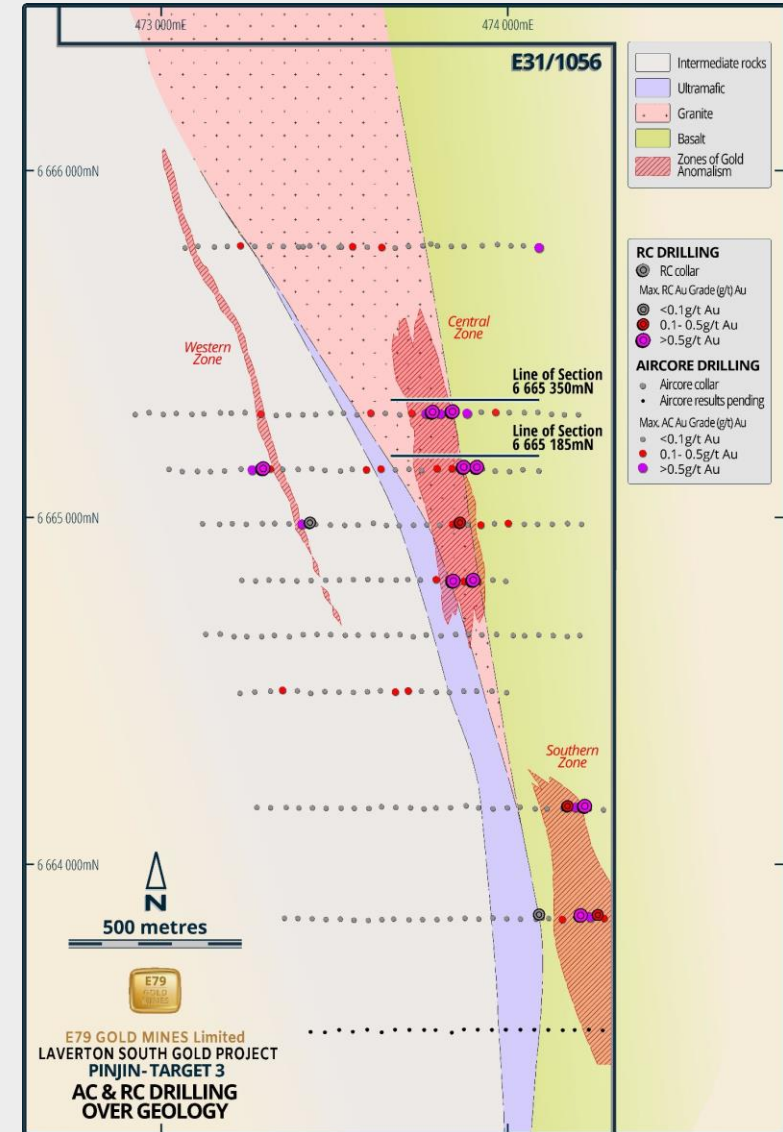
Kirgella's Gift RC drilling results include:
33m @ 3.10g/t Au from 51m
(Renaissance Minerals Limited, ASX announcement, 11 April 2011)



TARGET 3 - PINJIN



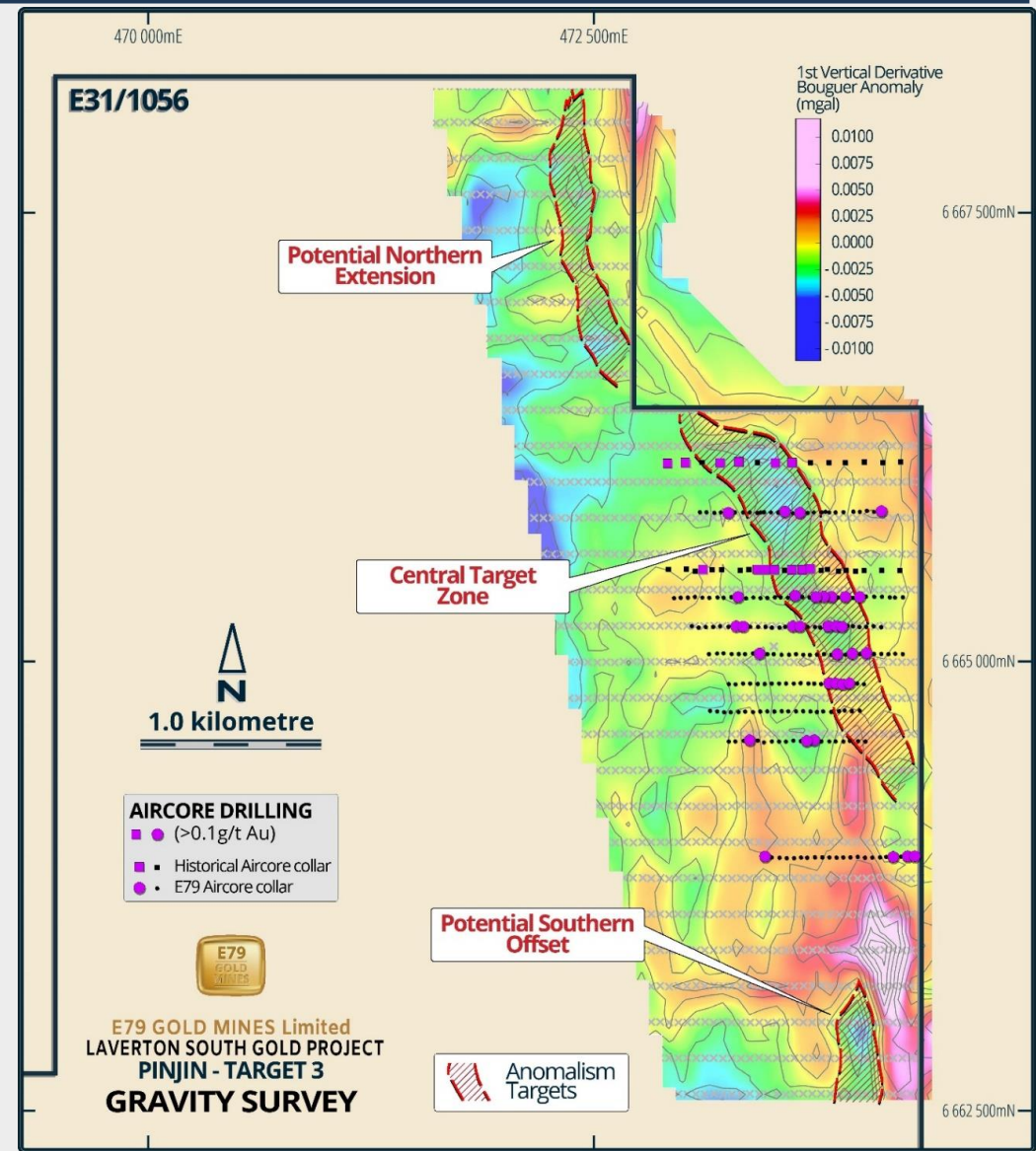
- Aircore and RC drilling show a 2,600m long, 200m deep anomalous gold system open in all directions
- Robust system with multiple lines of geological evidence for potential large scale mineralisation
 - Demagnetised stratigraphy
 - Gold along a granite-greenstone contact
 - Evidence of large-scale fluid flow
 - Gold pathfinders occur along the anomaly
- Significant results
 - Multiple +1 g/t intersections over 2km strike and 200m depth
 - Open in all directions



TARGET 3 - PINJIN



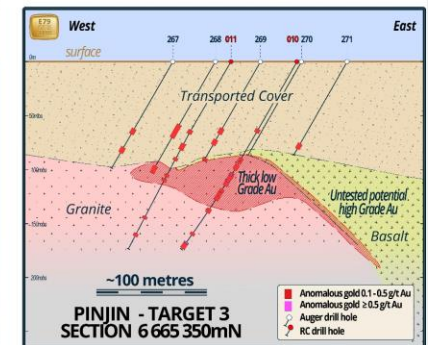
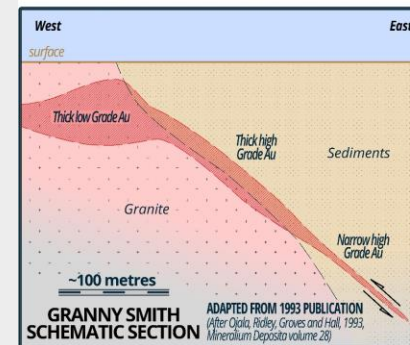
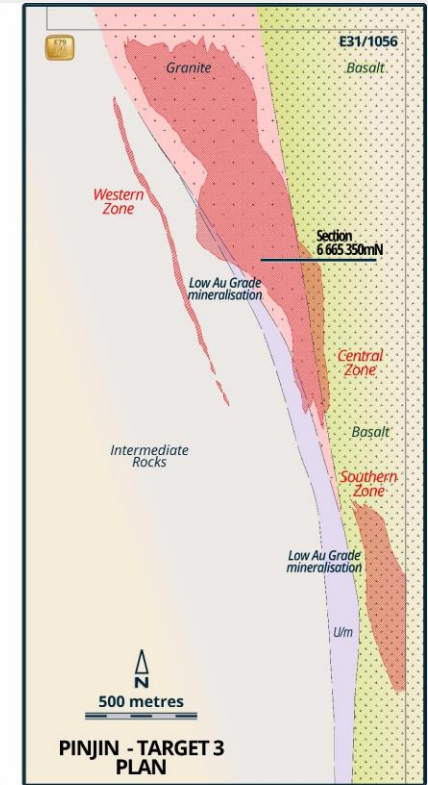
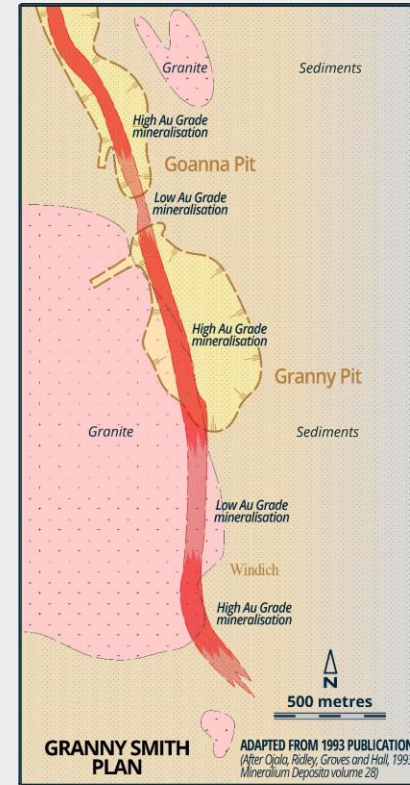
- Recent gravity survey showing location of prospective granite
- Potential northern extension
- Potential southern offset
- Drill tested and awaiting assays



TARGET 3 - ANALOGIES



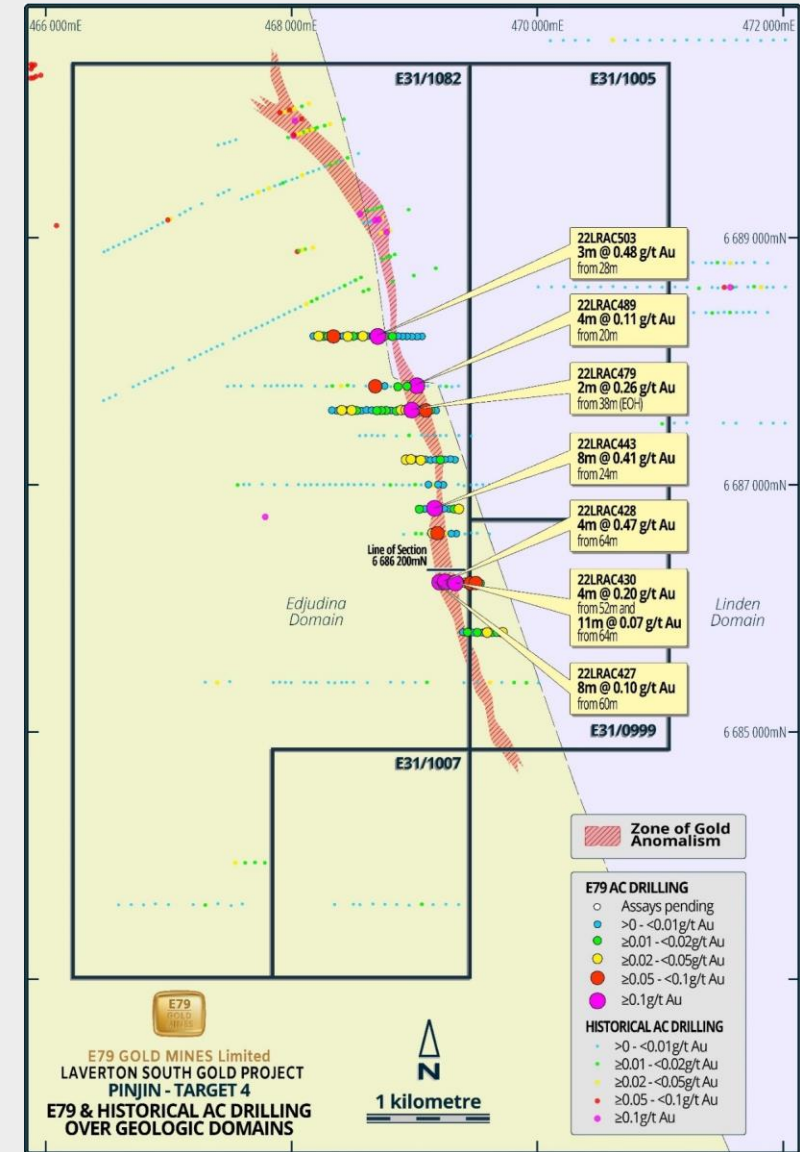
- A number of geological observations analogous to early geological observations of the ~6 moz Granny Smith gold mine
 - Both within Laverton Tectonic Zone
 - Both within ~3km long gold trends with 3 zones of interest
 - Mineralisation on eastern side of small granitic intrusion
 - Gold within granite and greenstone
 - Thick low grade pod at shallow depths with high grades on morphology changes within granite contact
- The Company is currently testing for high grade shoots at depth and along strike from known mineralisation with an RC rig



TARGET 4 EAST

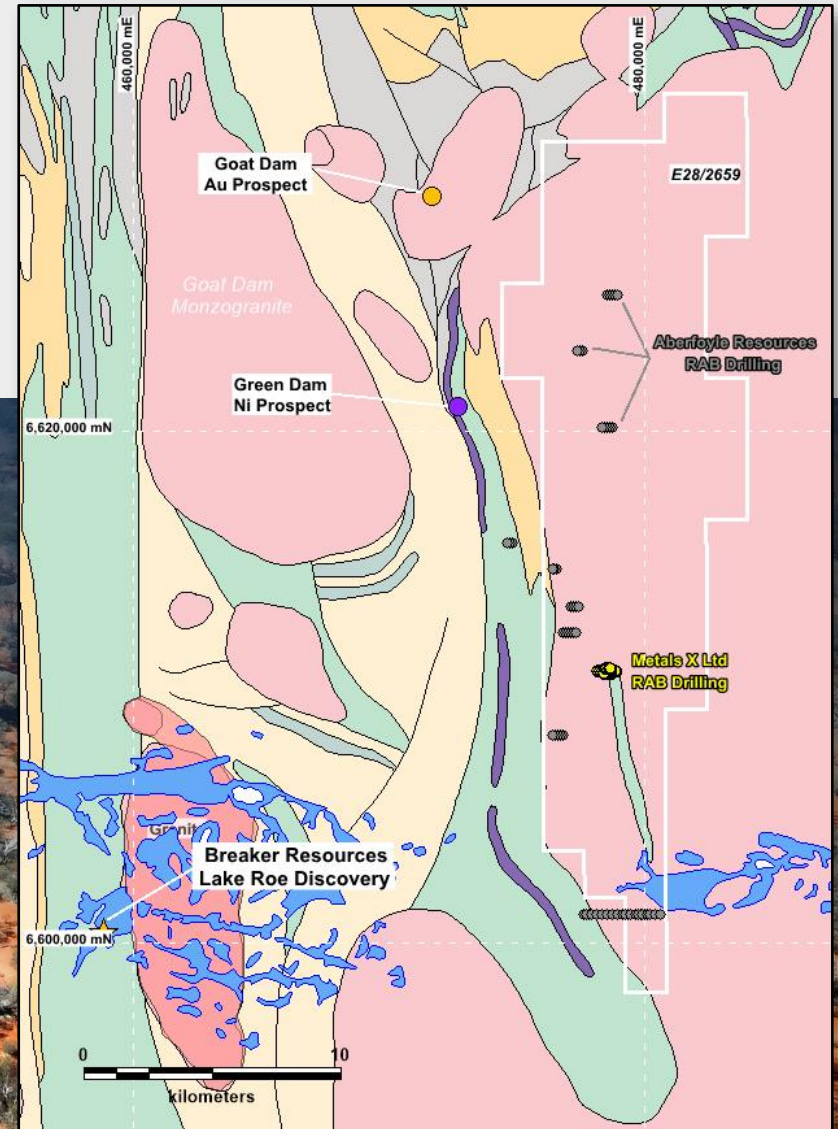
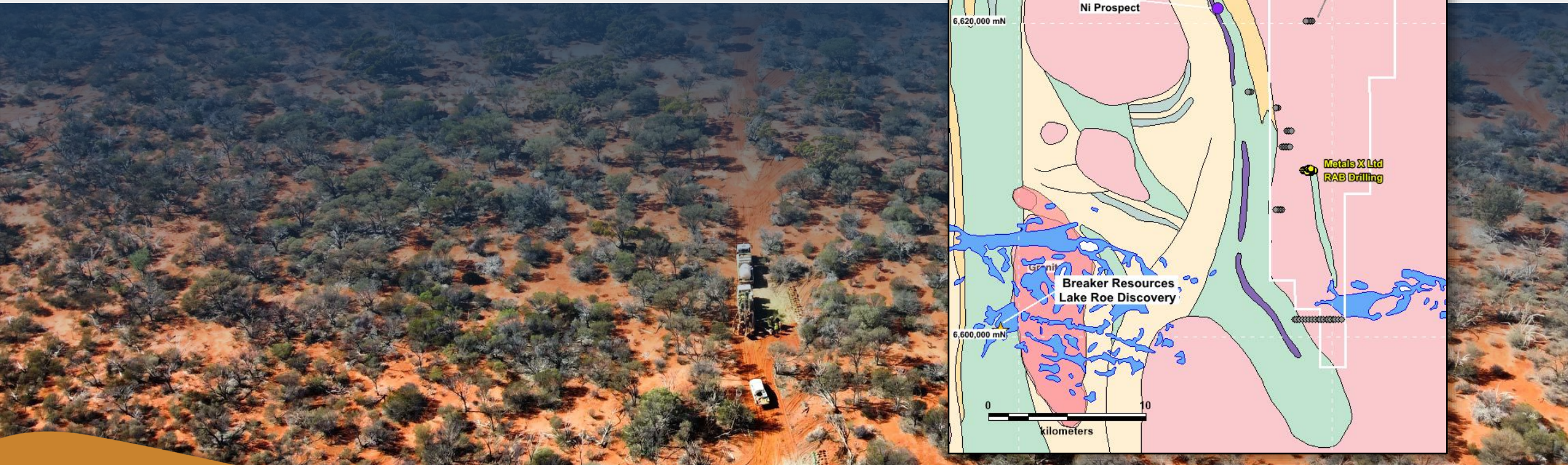


- Within a 30km long regional gold trend, the Pinjin Fault
- The Pinjin Fault forms a geological domain boundary and extends south through the historic Pinjin Goldfield and north to the historic high grade Patricia open pits
- Significant Results from the initial AC program include:
 - 8m @ 0.41 g/t 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)
- Upcoming AC program will continue to test for high grade zones and focus on two targets, a structural offset, with gold anomalism on either site and soil anomalism over the break, and an area in the south of promising results at the end of a drill line.



LAVERTON SOUTH PROJECT – LAKE YINDANA

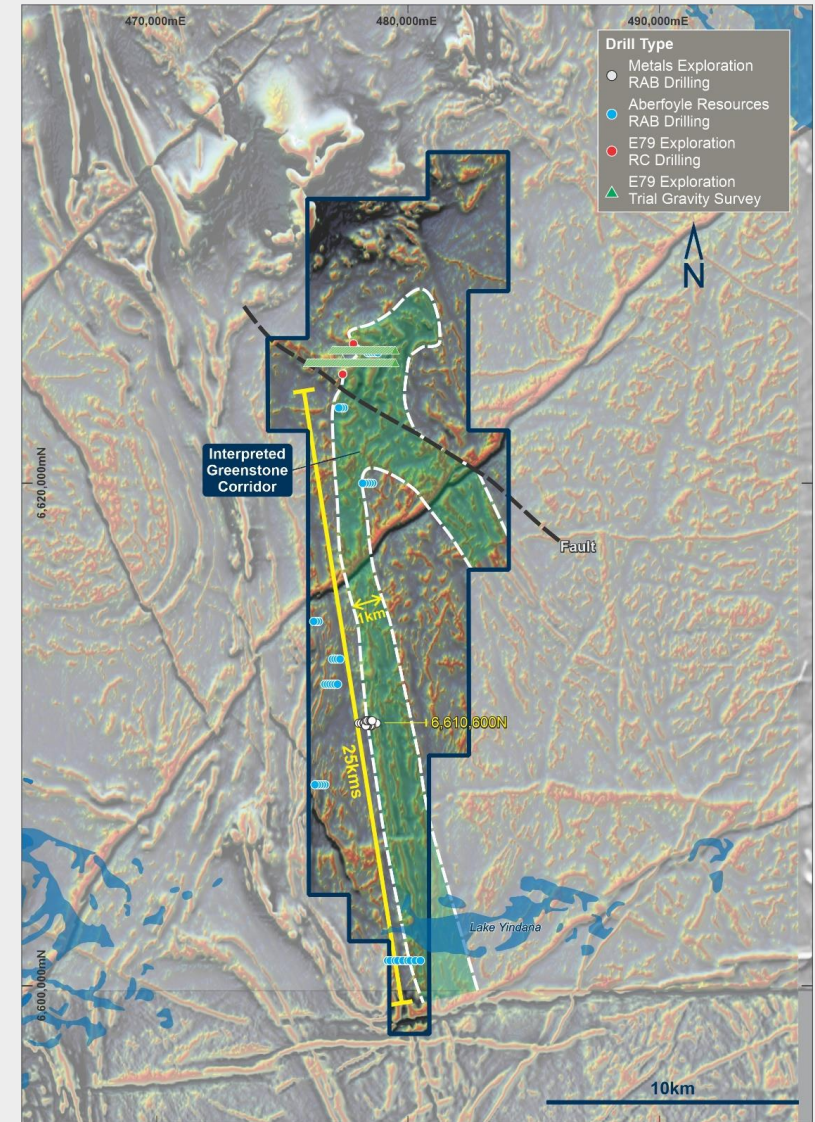
- First-mover opportunity
- GSWA maps show the tenement is less prospective granite (not correct)
- Discouraged historic exploration – only 65 RAB drill holes, huge areas not explored



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'.

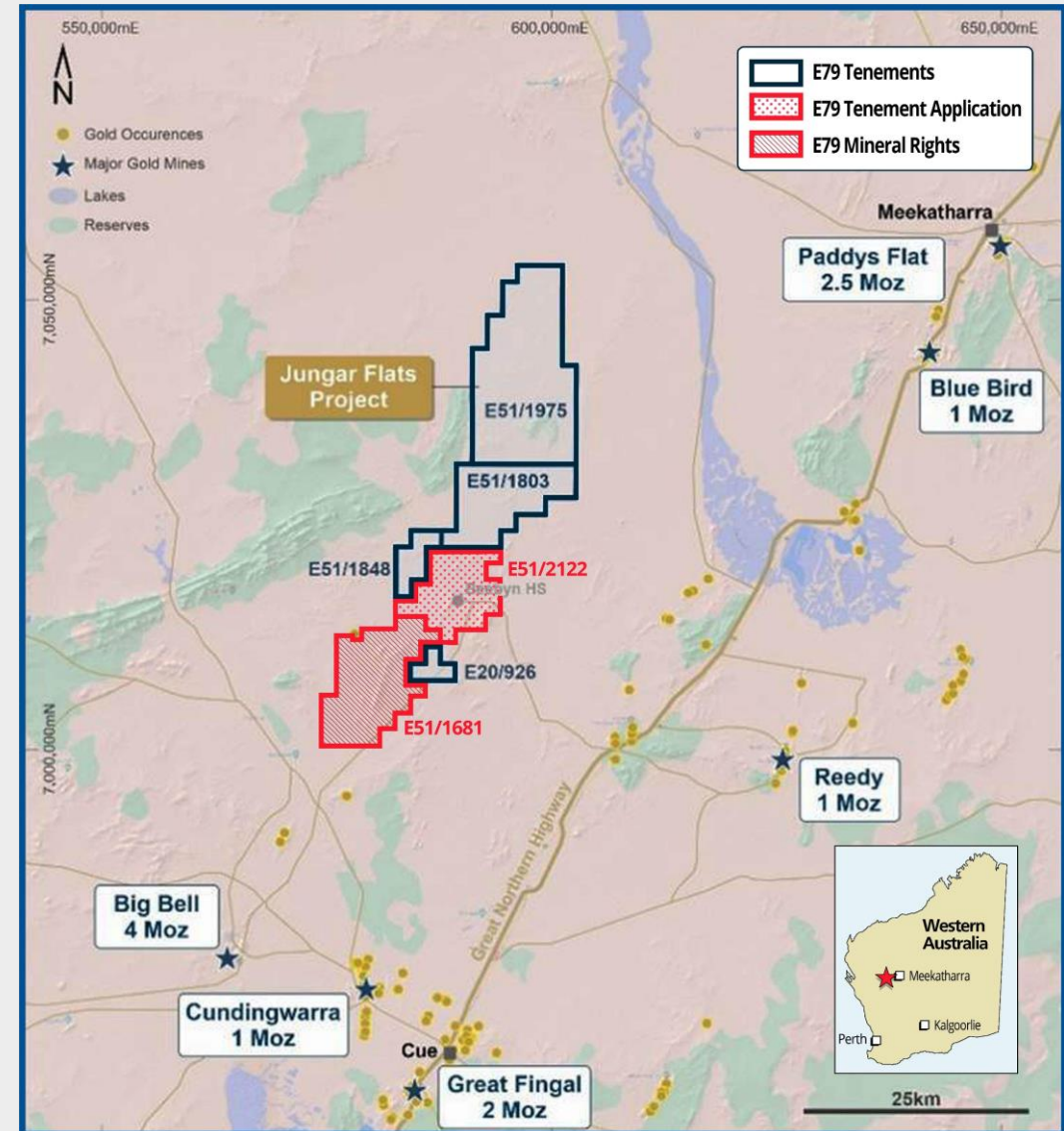
Dr Jon Hronsky

PROJECTS

MURCHISON PROJECT - JUNGAR FLATS



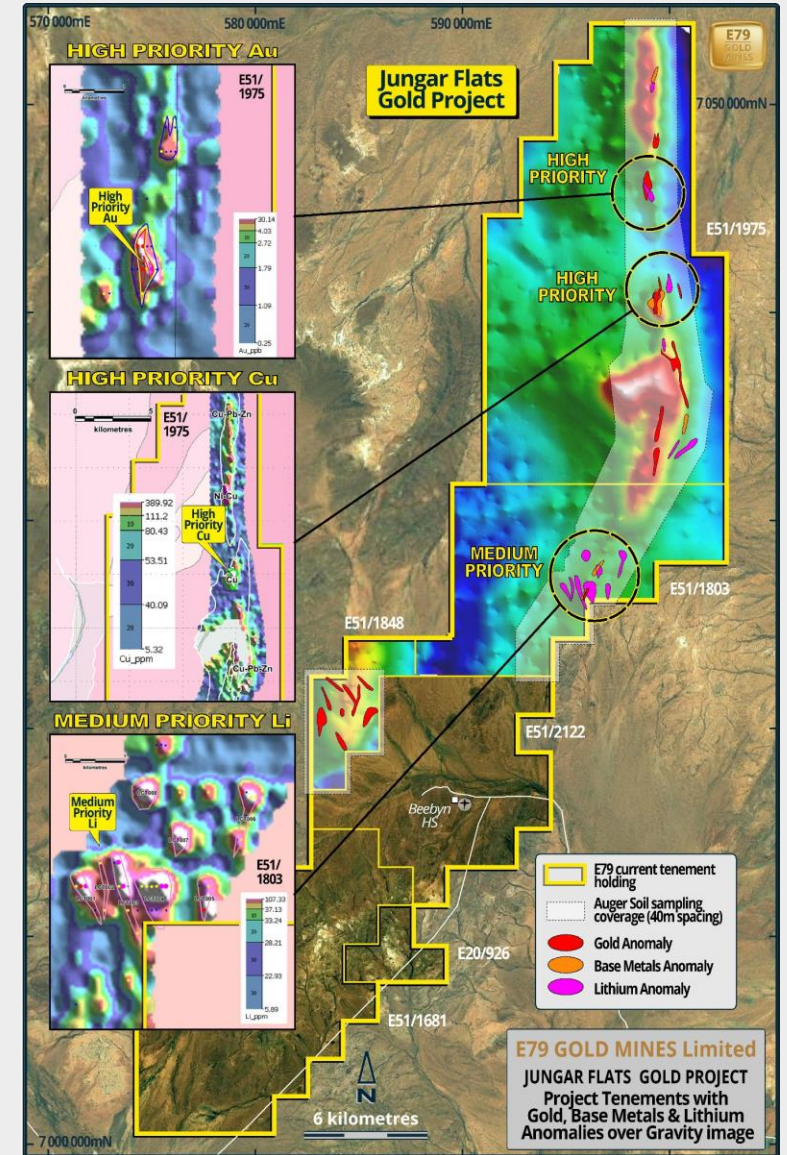
- 541km² of tenure containing early stage exploration targets
- Murchison Goldfields >30 million ounces gold endowment
- ~90km of strike along the Big Bell Shear and associated structures
- New acquisitions to the south which increased our exposure to the Big Bell Shear
- Region is prospective for gold, base metals, lithium, platinum group elements, iron-ore



JUNGAR FLATS PROJECT



- Large scale gravity survey completed early 2022
- New targets identified and tested
 - 35km of greenstone tested by ~3,000 sample auger program
 - Results show multiple targets for further examination including
 - High priority gold Target, 800m long with pathfinders
 - High priority copper target
 - Medium priority lithium target
- Gravity survey planned for July over recently acquired ground
- Followed up by auger sampling over potential greenstones



SUMMARY

The Recipe



GOOD MANAGEMENT

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SHAREHOLDER VALUE

A history of delivering for Shareholders



E79
GOLD
MINES

E79 GOLD MINES

Committed to a sustainable future

Thank you

Money in the ground.