



FOCUSED ON Au-Cu DISCOVERY IN THE LACHLAN FOLD BELT

15 JUNE 2022
GOLD CONFERENCE SYDNEY



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This presentation contains exploration results and historic exploration results as originally reported the Company's Prospectus dated 28 July 2021 and released 9 September and subsequent ASX market announcements. The Company confirms that it is not aware of any new information that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

The information in this presentation that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Thomas Wall, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Wall is the Technical Director is a full-time employee of Legacy Minerals Limited and a shareholder, who 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 Wall consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The release of these presentation materials has been authorised by the Board.



WHY INVEST IN LEGACY MINERALS?

IMMEDIATE DISCOVERY EXPOSURE



- Cobar – in the center of the prolific mining district
- Bauloora – one of NSW’s largest epithermals
- Rockley – emerging porphyry district

VALUE LEVERAGED TO EXPLORATION SUCCESS



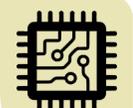
- 100% ownership of six significant projects
- Strong news flow over coming months
- Competitive market cap provides platform for growth

PRIME POSITION WITH THE RIGHT EXPOSURE

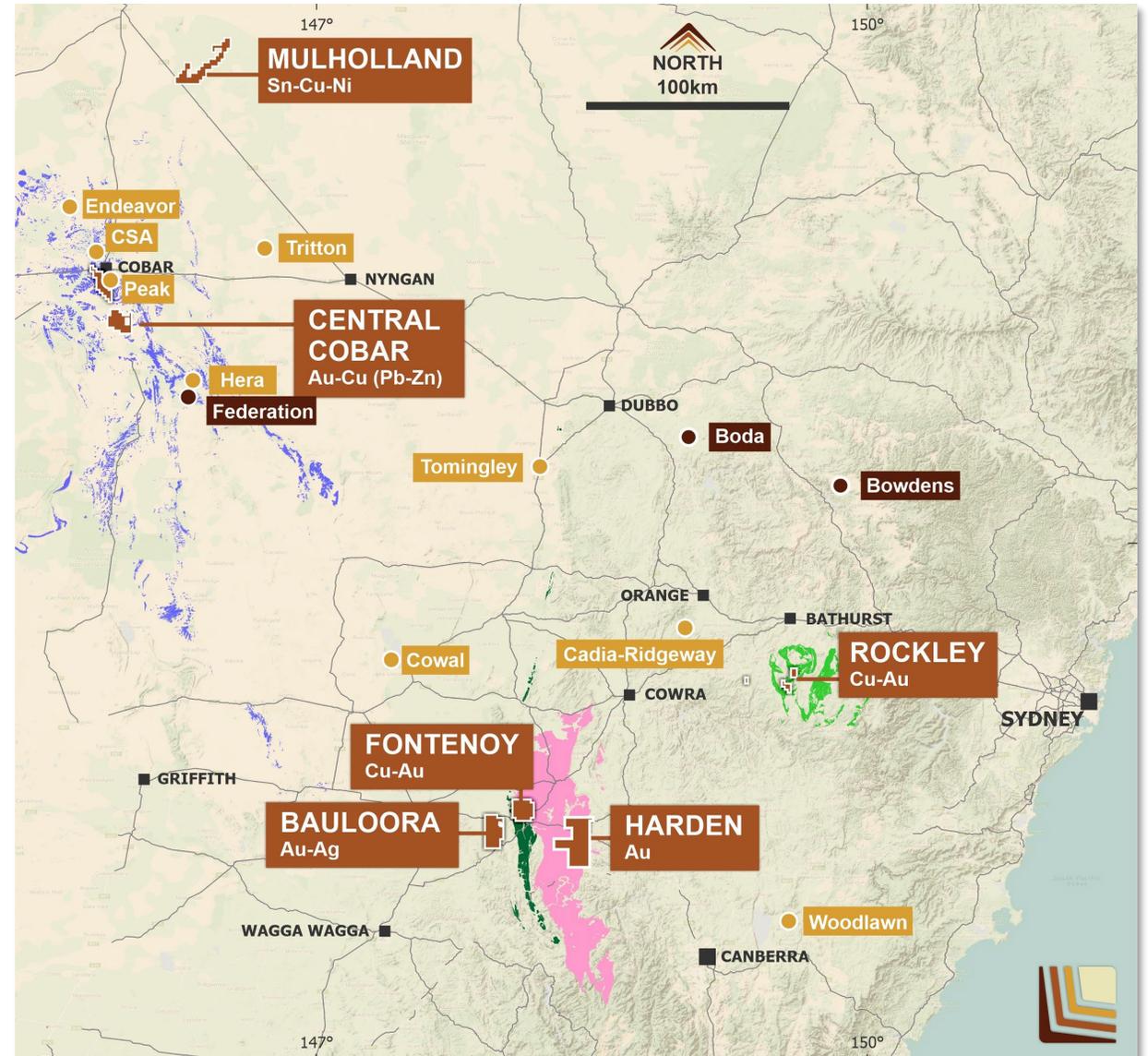


- High grade and shallow exploration targets
- Low-cost opportunities to define additional targets
- Robust portfolio with significant depth of targets

ARTIFICIAL INTELLIGENCE EXPLORATION ALLIANCE¹



- Earth AI to spend up to \$4.5M across battery and critical metals focused tenements Mulholland and Fontenoy



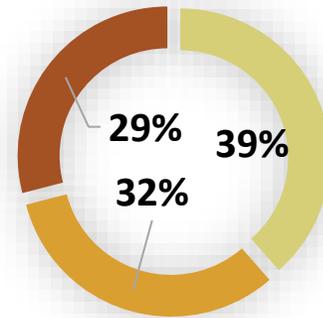
¹ ASX LGM 2 May 2022: \$4.5M Alliance with Artificial Intelligence Explorer Earth AI Signed

CORPORATE SNAPSHOT

CAPITAL STRUCTURE¹

ASX Share Price	\$0.140
Shares on Issues	75.2M
Options on Issue (\$0.3)	4.9M
Market Capitalisation	\$12M
Cash (at Mar-21)	\$3.6M
Debt	Nil
Top 20	61.3%

ISSUED CAPITAL



- IPO Shareholders
- Board and Management
- Other Shareholders



DIRECTORS



Dr David Carland
Non-Executive
Chairman

Investment banker with over 40 experience. Has held senior positions at UBS, Bankers Trust, CRA (now Rio Tinto). Was recently the Non-Executive Chair of Rex Minerals (RXM) and is a director with Agua Resources (**AGR**)



Douglas Menzies
Non-Executive
Director

Geologist with 28 years of widespread experience in the porphyry gold-copper districts of PNG and Australia, epithermal gold-silver projects in Australia, Indonesia, Fiji, Laos, Chile. Doug has held positions at Rio Tinto, Wafi-Golpu, and is a director at Godolphin Resources (**GRL**)



Matthew Wall
Non-Executive
Director

Commercial specialist with over 35 years of experience in metals and mining across sales, marketing, logistics, trading, and risk management. Matt has held senior management roles with Rio Tinto, EDF Trading and Wood Mackenzie and is a director with Allegiance Coal (**AHQ**)

MANAGEMENT



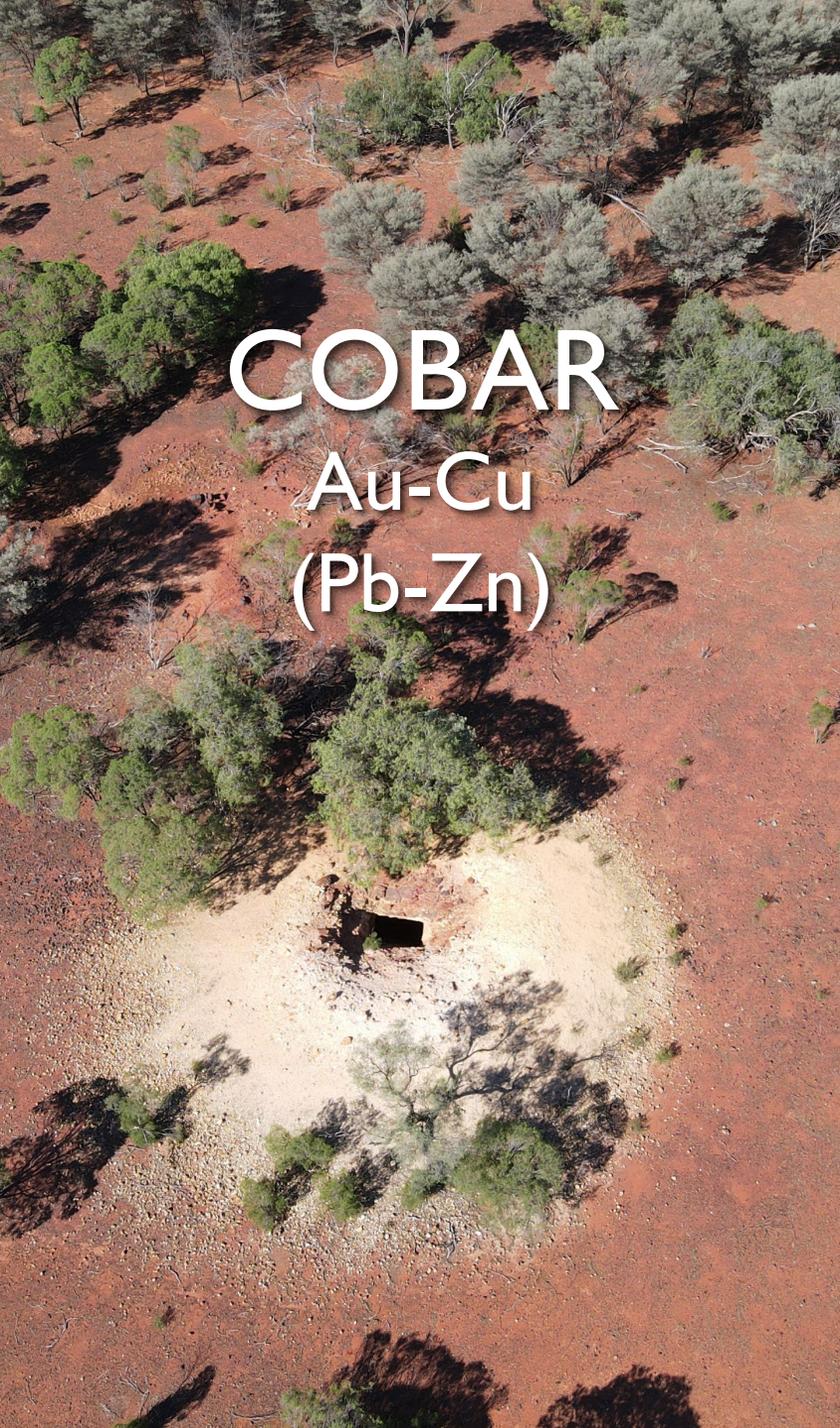
Christopher Byrne
CEO & Managing
Director

Electrical Engineer with diverse experience in the mining sector with Anglo American across maintenance, operations, and capital works. Proven record of delivering large and complex mining and infrastructure projects in greenfield and brownfield environments



Thomas Wall
Exploration Manager
& Executive Director

Geologist with wide ranging exploration industry experience with senior roles at Peak Gold Mines and New South Resources. Demonstrated exploration and mining success across a variety of commodities and deposit styles



COBAR
Au-Cu
(Pb-Zn)

Positioned in the Heart of the Cobar Basin



PRIMED FOR DISCOVERY

- World class jurisdiction seeing continued exploration success
 - Less than 10km from Metals Acquisition Corp's CSA Mine (recently purchased from Glencore for \$1.1B USD)
- **Underpins the value growth of the company**
- Proximity to infrastructure and skilled mining workforce

Undrilled targets

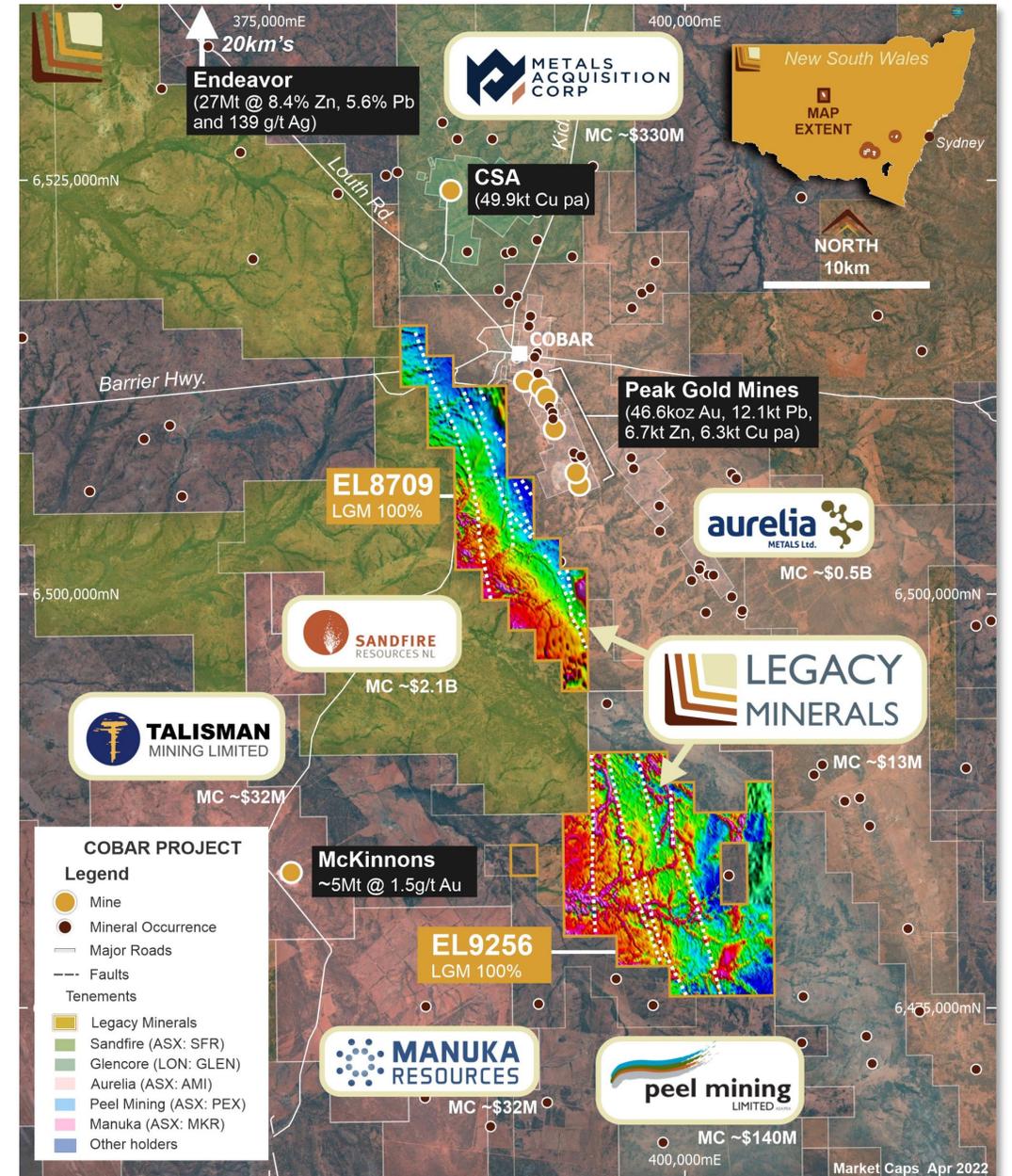
- Only 4 RC holes across northern tenement
- Undrilled geophysical anomalies - AEM conductors, IP, and magnetic targets

Regionally significant lag anomaly

- Gold in lag up to 1.5g/t Au & 0.43g/t Au1 (Yarrowonga)
- **Most major Cobar discoveries have associated lag anomalies**
- Nearby undrilled IP and AEM targets

Active Work Programs

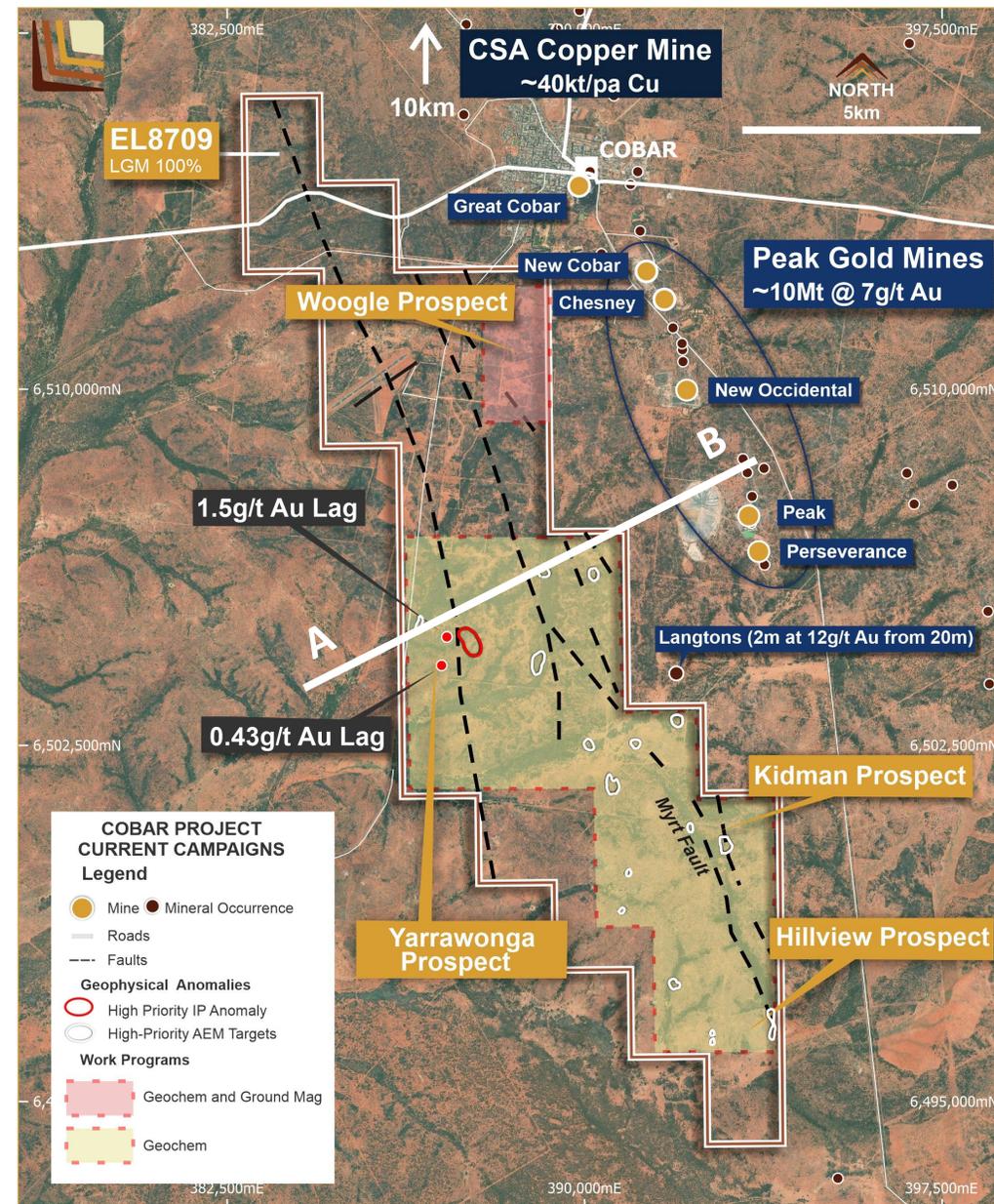
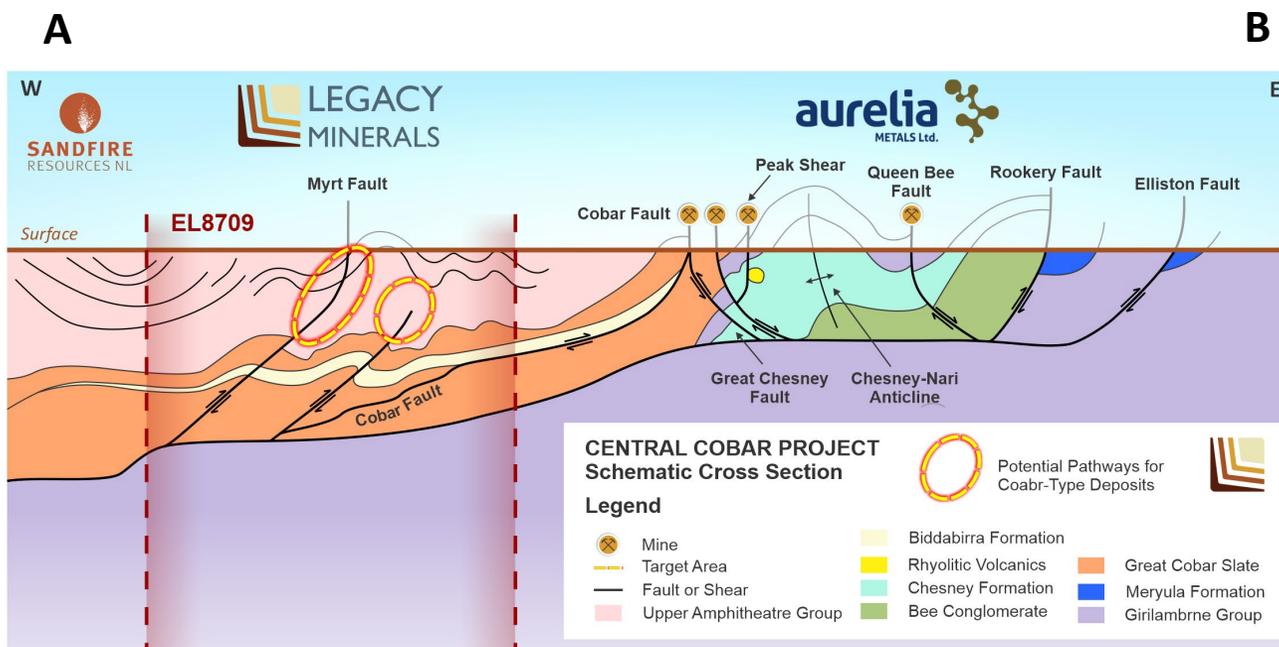
- Large scale soil program
- Government Funded Aerial Gravity¹
- Ground Magnetics
- Government Funded Seismic¹



¹ NSW Government, 10 May 2022 Geophysical surveys to locate critical minerals across NSW

ALL THE RIGHT INGREDIENTS

- ✓ Structural complexity – Mineralisation pathways
- ✓ No sovereign risk, great land access, surrounded by mills and infrastructure
- ✓ Geochemically anomalous
- ✓ Geophysically anomalous



“ BAULOORA MINE ”
(1903 – 1957)
ALSO KNOWN AS
MOUNT FELSTEAD OR KOOTRA MINE
SITE OF MAIN SHAFT-DEPTH 23 M.
REHABILITATED BY
DEPT. OF MINES, 1978 .

BAULOORA

Au-Ag

100% ownership over one of NSW's largest low sulphidation epithermals



WHY EPITHERMALS? – WORLD CLASS POTENTIAL

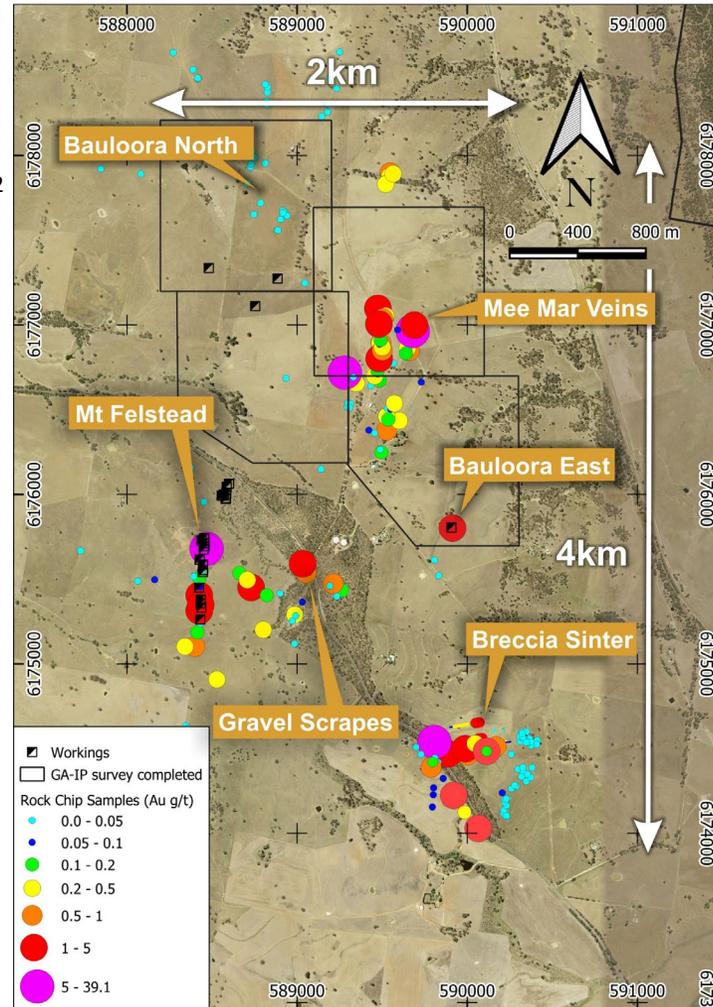
NSW's Large Low-Sulphidation Epithermals

- Cowal, Evolution Mining, ~15Moz¹
 - 'Gold Zone' defined by 7.5 x 2km of >0.1g/t Au
- Bowdens, Silver Mines 275Moz Ag Eq (84% M+I Resource)²
 - One of the worlds largest undeveloped silver deposits
- Mineral Hill, Kingston Resources
- Bauloora (100% Legacy Minerals)

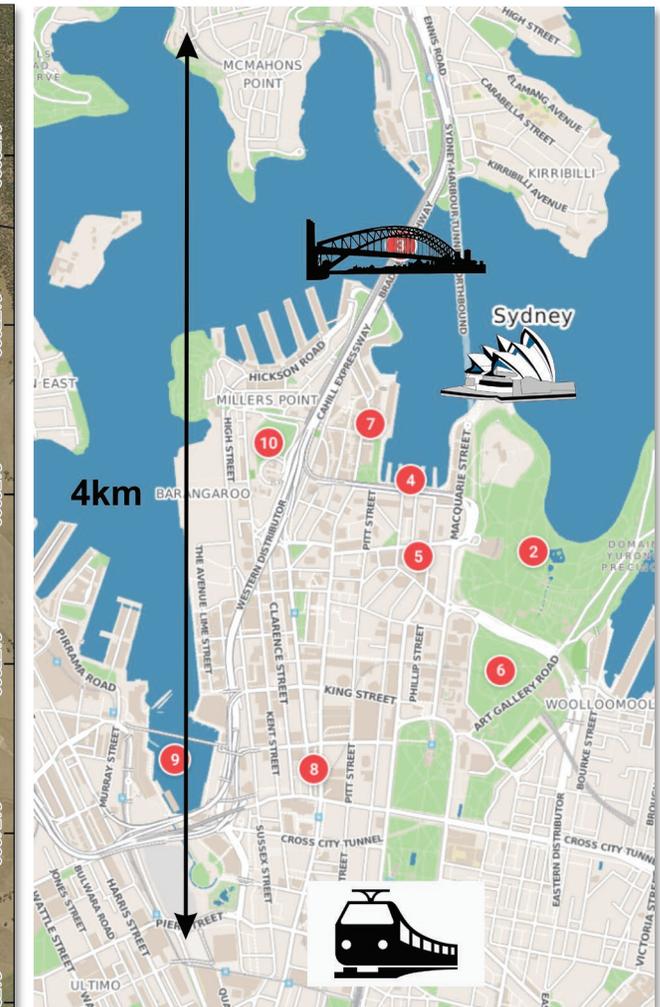
Bauloora – All the right ingredients

- ✓ **Grade** - Bonanza Ag grades, high-grade Au and base metals
- ✓ **Scale** - 27km² zone of alteration and mineralisation
Anomalous gold zone: 4km by 2.5km of >0.5g/t Au
- ✓ **Preservation** – recognition of sinter

Bauloora Gold Zone



Sydney



TEXTBOOK EPITHERMAL SYSTEM

Bauloora North Prospect

Mt Felstead Prospect



19.8g/t Au, 462g/t Ag,
6.28% Cu, 9.38% Pb+Zn



Mt Felstead
Carbonate Base Metal Veins

Mee Mar
Quartz Adularia
Banded Chalcedony

Sinter Prospect
Sinter Related Lithology



Sinter Prospect

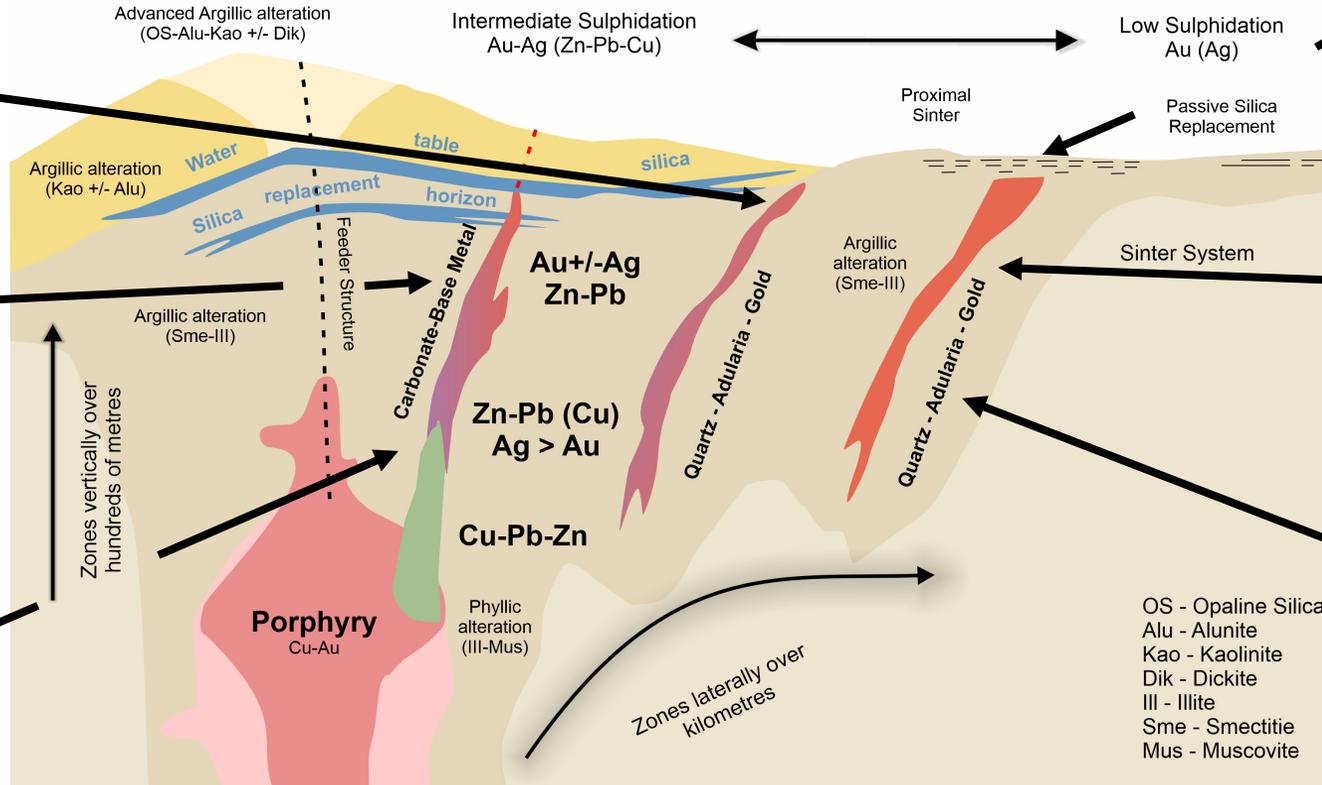


15.1g/t Au

Mee Mar Prospect



39.1g/t Au 267g/t Ag



Schematic model for epithermal and porphyry mineralisation with an interpretation of features at Bauloora, modified from Global Ore Discovery <https://www.globalorediscovery.com>

MT FELSTEAD MINE - BONANZA GRADES

Outstanding Grades in Maiden Drill Campaign

- 9m at 9.9% Zn + Pb, 2.0g/t Au, 28.4g/t Ag, and 0.2% Cu from 145m, including:
- **2m at 29.3% Zn + Pb, 5.4g/t Au, 94.1g/t Ag, and 0.4% Cu from 148m**

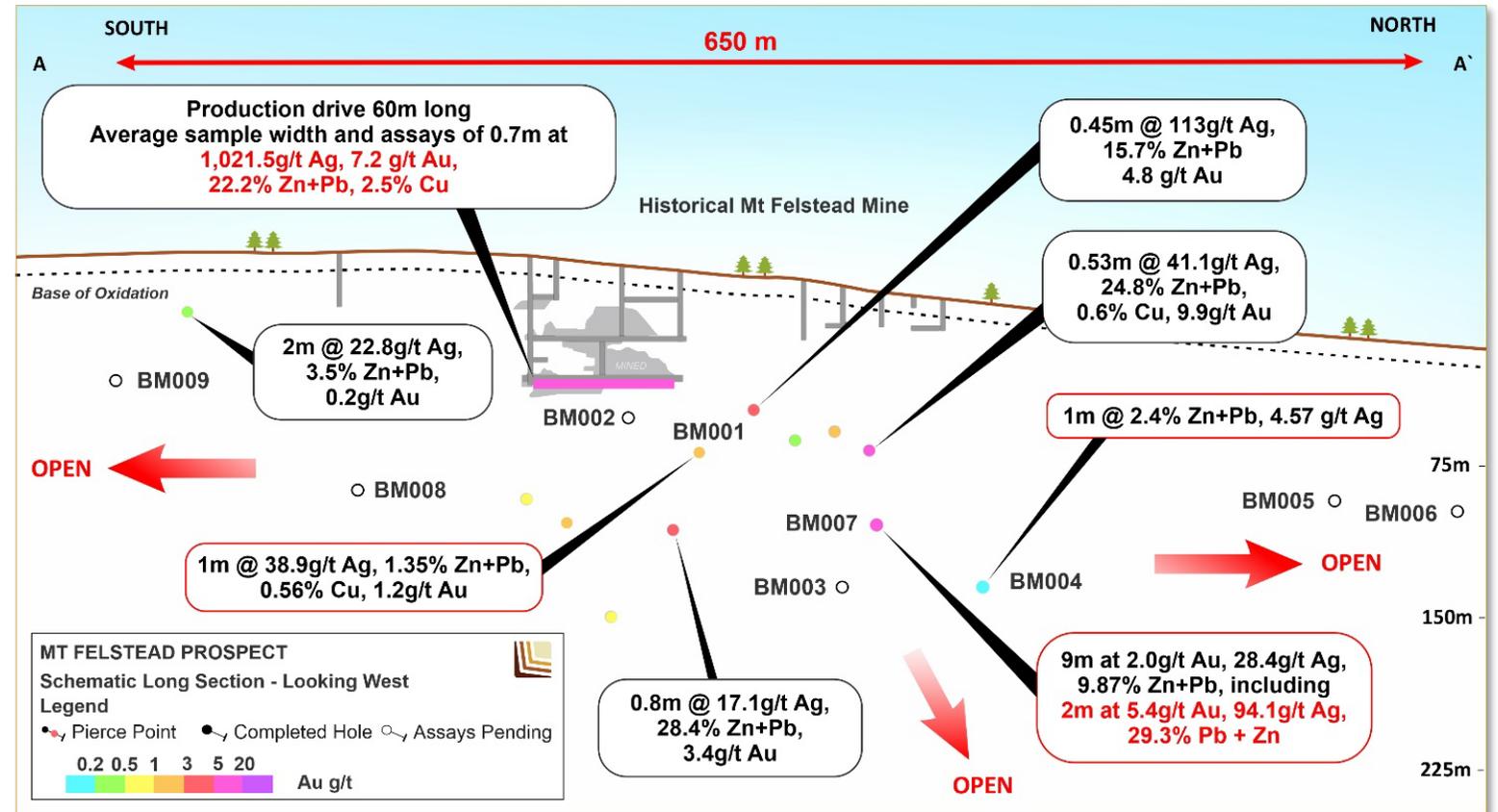
Shallow orebody

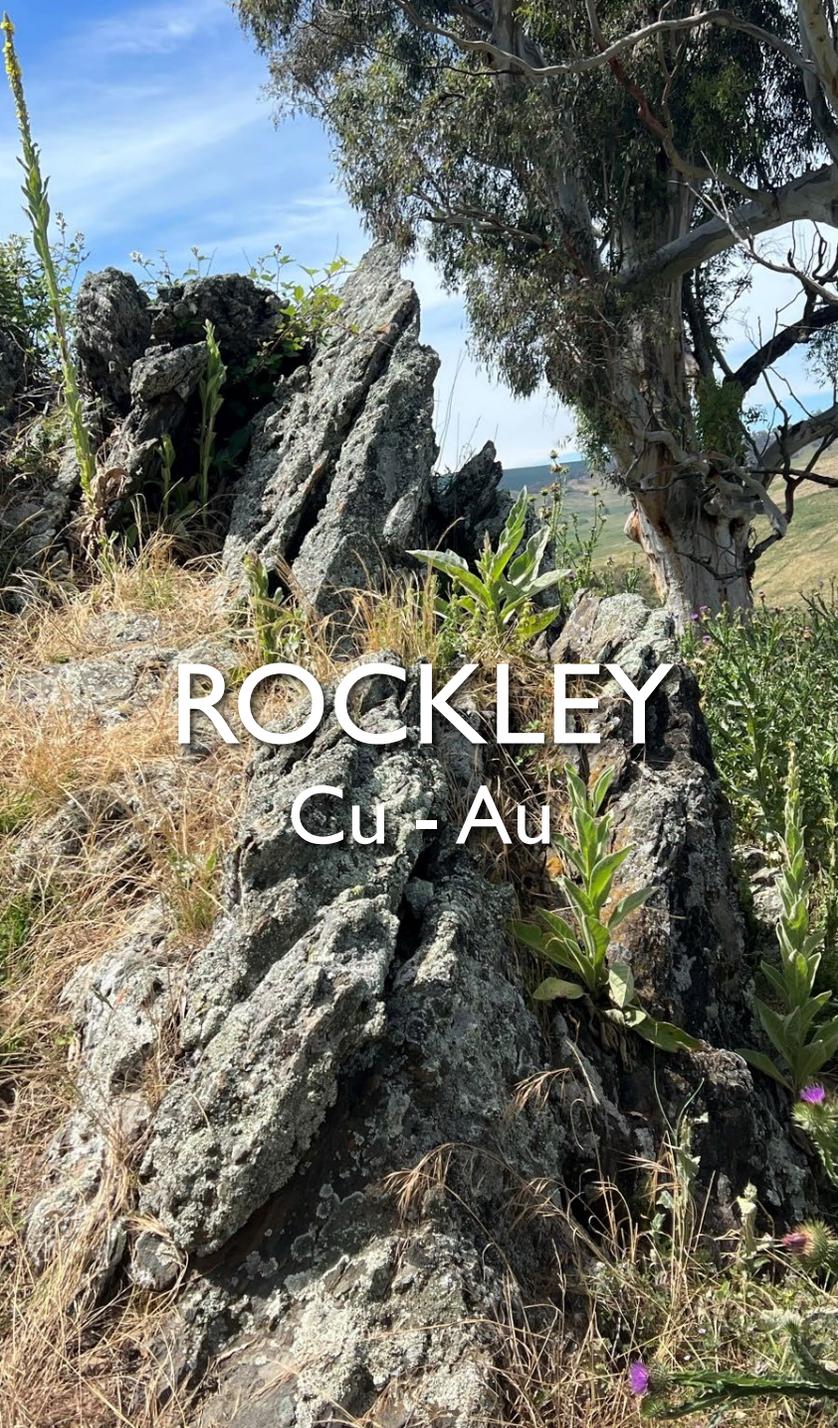
- Mineralised from surface
- Strike open to the nth., sth., and down dip
- Consistent high grades
- Not yet tested below 150m depth

Tip of the Iceberg

- **Potential to represent top of a larger system**
- Only covers a fraction of the Bauloora Gold Zone **less than 1%**

Mt Felstead Mine Prospect





ROCKLEY
Cu - Au

**Prime position in Australia's premier
Cu-Au porphyry district**



ROCKLEY-GULGONG – An emerging porphyry district

Overlooked Opportunities in the LFB

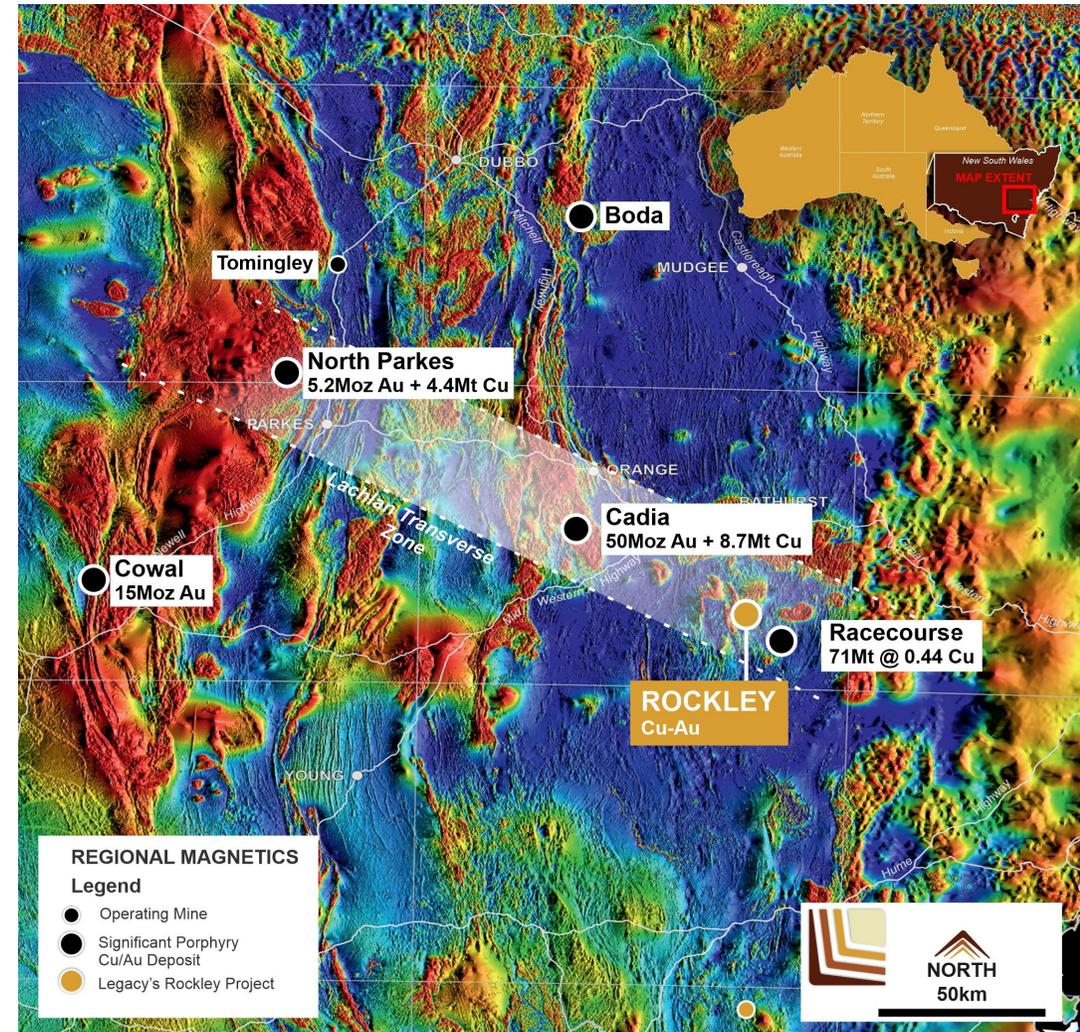
- Alkane (ASX: ALK) held Boda tenement (Molong Belt) for 28 years before Boda discover was made^{1,2}
- Alkane held LGM's Rockley from 2013-2016 and conducted **no porphyry exploration**

Porphyry prospectivity recognition

- LGM's tenement assessed to be the most prospective area for porphyry related Cu-Au
 - 3rd party assessment by the Geological Survey of NSW and Kenex

Rockley-Gulgong Volcanics

- Bushranger (LON:XTR) inferred Mineral Resource **71Mt at 0.44% Cu³** consider to have the potential to be a **500Mt Project⁴**
- Preserved close to surface**
- Drilling intercepts the porphyry **from 11m** with recent intercepts **920m @ 0.3% Cu** from 110m inc. **156m @ 0.48% Cu³**



1 <https://minview.geoscience.nsw.gov.au/>

2 ASX: ALK Discovery of Significant Porphyry Gold-Copper Mineralisation at Boda Prospect within Northern Molong Porphyry Project (NSW)

3 Xtract Shareholder presentation October 2021 <https://www.youtube.com/watch?v=iWwCu3DnatU>

4 Xtract Resources plc 19 March 2021 First Drill Assay Results from the Bushranger Copper-Gold Project

ROCKLEY – Growing Au-Cu story

Overlooked and untested

- District proven to host significant porphyry mineralisation
- Limited geochemistry sampling and geophysical surveys across the tenement
- Scarcity of drilling across the tenement
 - Only 22 RAB historical holes in south of the porphyry area of interest
 - **No holes deeper than 15m depth**



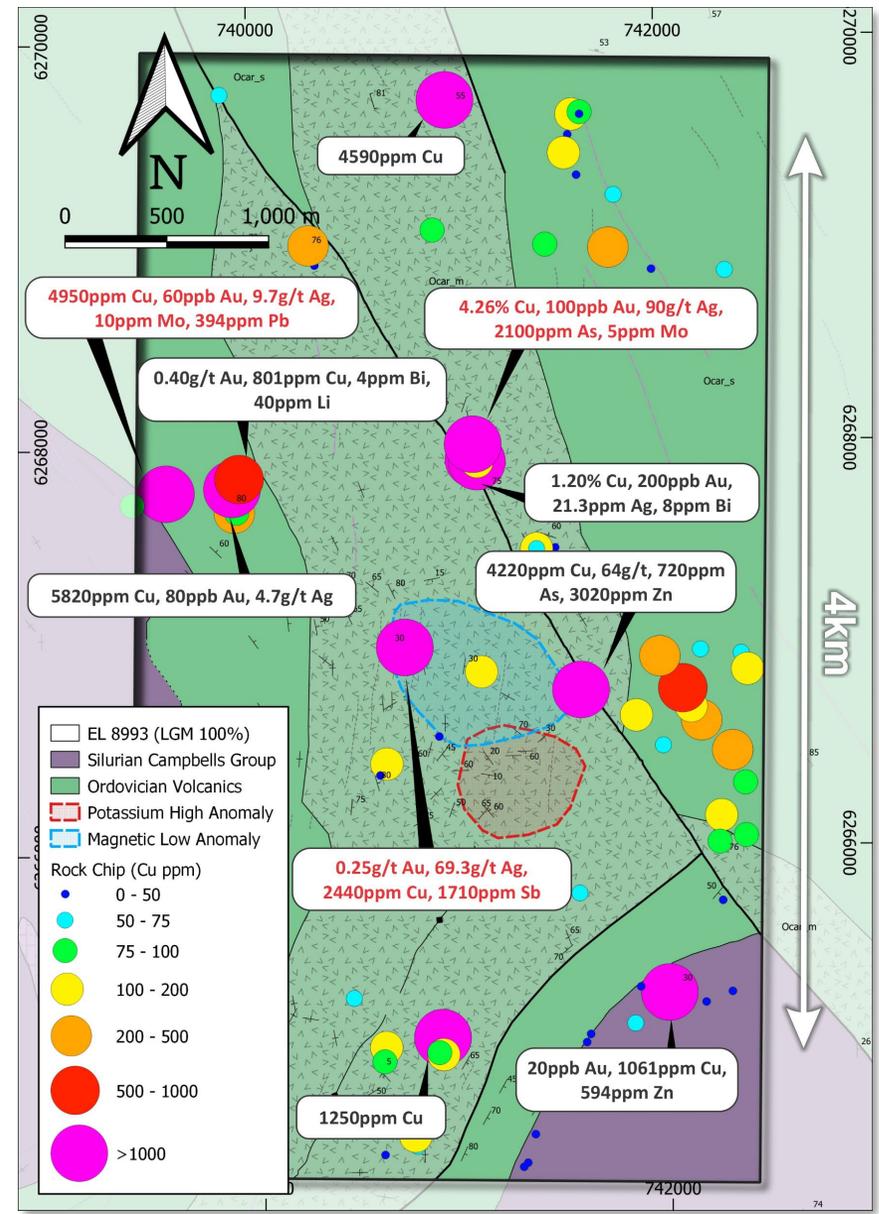
Pyrite vein within silica altered sandstone (Rockley Quartz Prospect) 0.30g/t Au, 5.7g/t Ag, 0.54% Cu, 89ppm Pb, 2,160ppm Zn

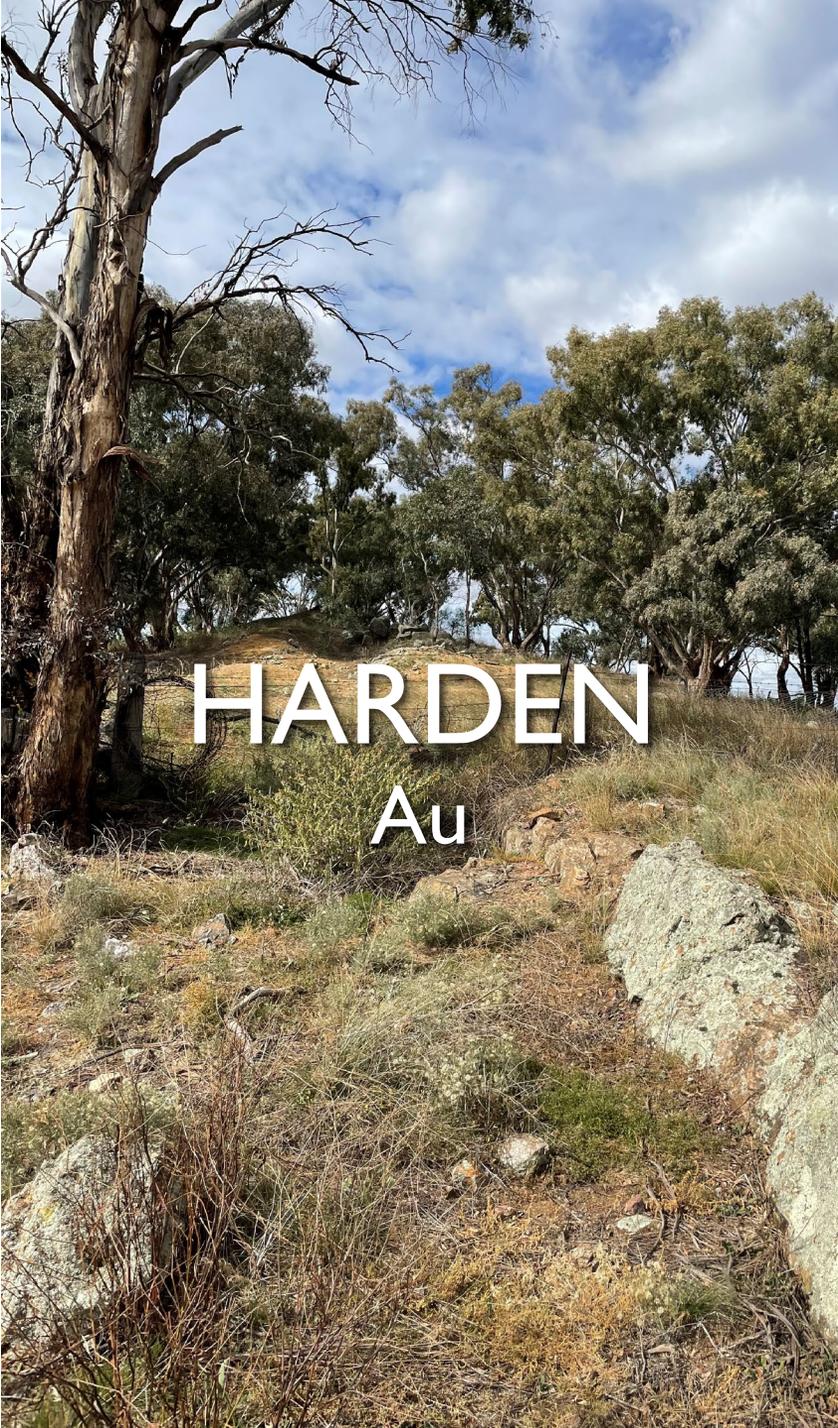
All the right ingredients

- Right rocks in the right district
 - Macquarie Arc Ordovician host rocks
- Historic high grade gold and copper mines grading up 21% Cu
- **Wide spread Au and Cu anomalism**
 - 4km by 2km of rock chips grading 0.5% Cu



Quartz vein with azurite staining (Quartz Hill Prospect) 0.25g/t Au, 69.3g/t Ag, 201ppm As, 2440ppm Cu, 1710ppm Sb and





HARDEN
Au

**District scale control in one of the
least explored gold regions of NSW**



Strategic Alliance to Explore Battery Metals¹

Why Artificial Intelligence

- Demand vs supply – discovery rates are falling
- AI will be a disrupters of traditional exploration models

Commodity Focus – Fontenoy and Mulholland

27 Ni 58.693	29 Cu 63.546	50 Sn 118.711	PGE	79 Au 196.697
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Key Alliance Terms

- **Up to \$4.5M** to be spent by Earth AI over 2 years
- **Unlike a 'classic JV' – purely success based**
 - Royalty only earned on a significant drilling discovery made
 - Up to 3% depending on co-funding option
- **LGM retain 100% ownership**

Who are Earth AI and what is artificial intelligence?

- Utilise artificial intelligence and machine learning to target, test, and verify discoveries
- Targeting materials critical for the electric vehicle and renewable energy revolutions



Alliance Projects: Cu-Ni-Sn-Au Focused

Fontenoy

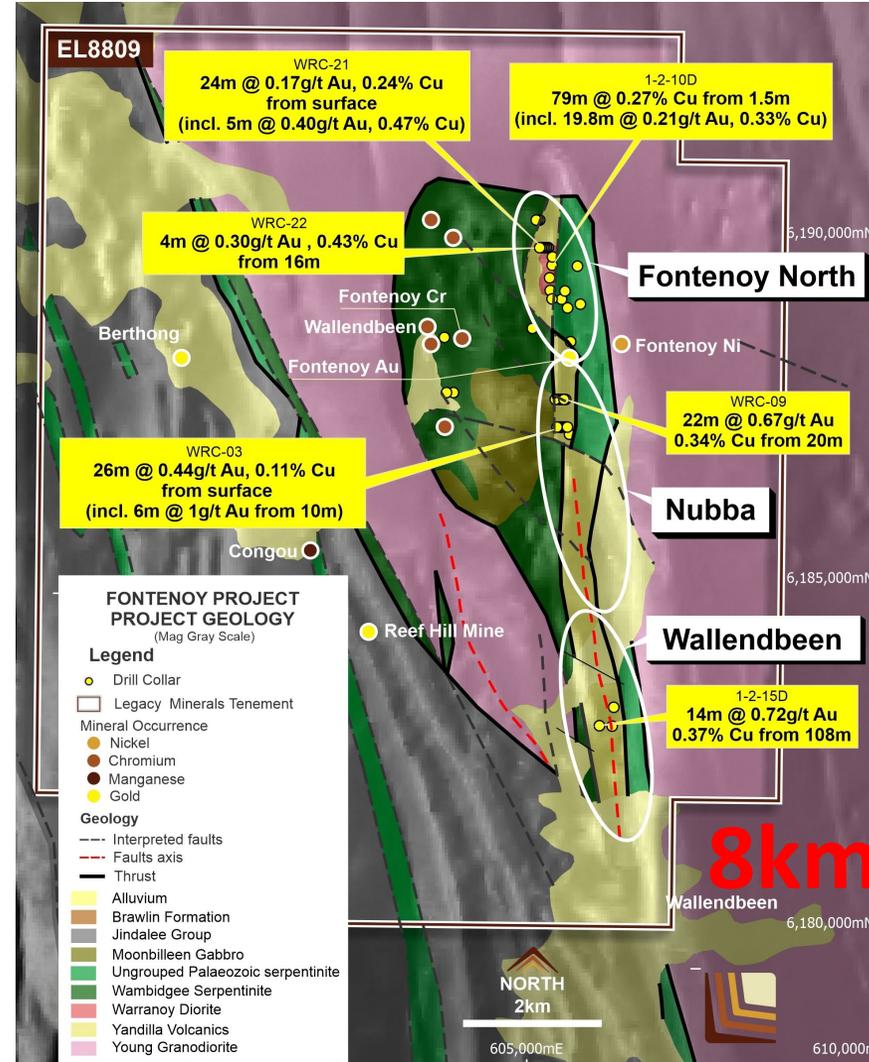
- Large Volcanic hosted massive sulphide copper and gold system
- Untested PGE potential
- Multiple wide Au and Cu drill intercepts from surface

Mulholland

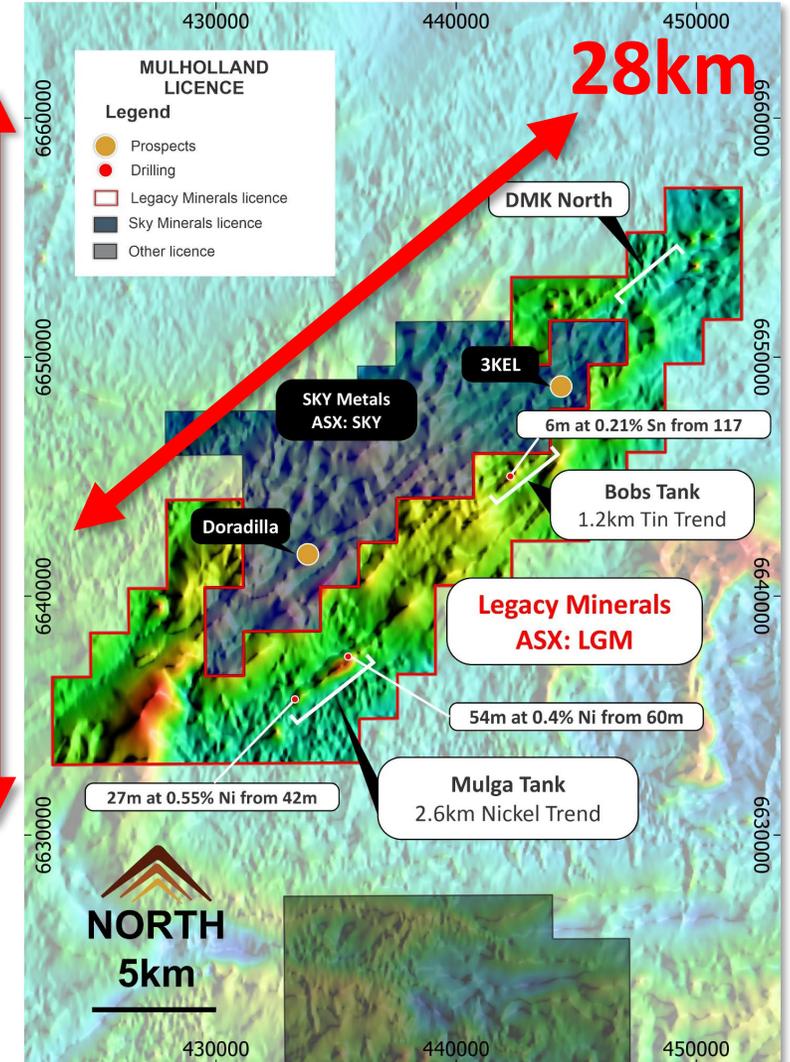
- Emerging tin-copper and nickel district
- Known skarns and untested anomalies

Multiple opportunities for discoveries

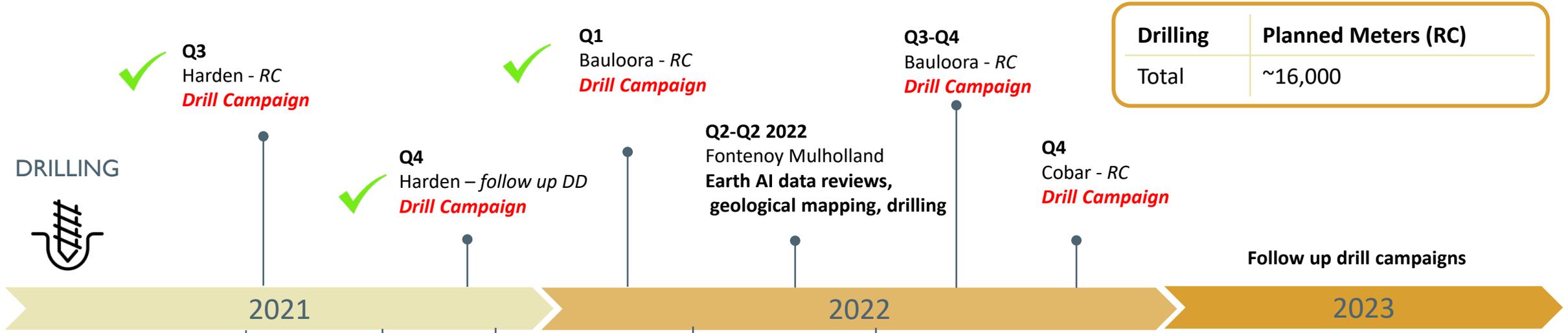
Fontenoy



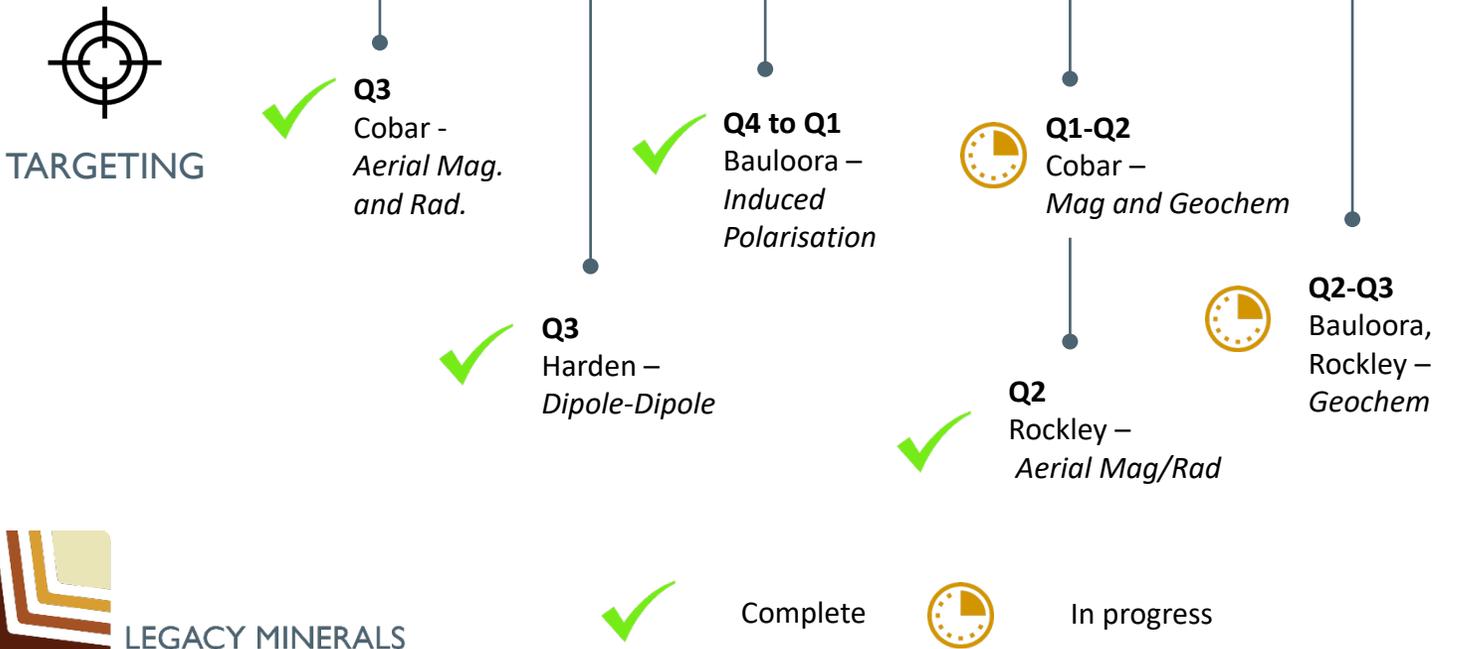
Mulholland



PLANNED EXPLORATION PROGRAM



Drilling	Planned Meters (RC)
Total	~16,000



Upcoming Results Q2-Q3

ASX Progress Results (Till June)	Anticipated Date
Bauloora RC Drilling Assays	Mid June
Harden Diamond Drilling Assays	End June
Bauloora DHEM	Mid-End June
Rockely Radiometric/Magnetics	End June
Cobar Soils and Magnetics	July

SUMMARY



Immediate discovery opportunities



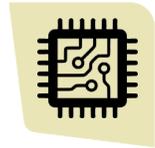
Value leveraged to exploration success



Depth of projects in a Tier 1 District



Focused on delivering shareholder value



Exploration forefront with Artificial Intelligence

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