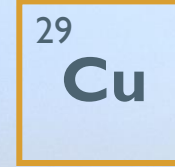
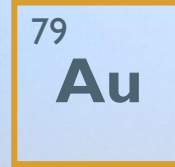




Advancing Quality Assets in a World Class District

Lachlan Fold Belt, NSW

Mines and Money, 14 June 2023



ASX: LGM

Disclaimer



This presentation may contain certain statements and projections provided by or on behalf of Legacy Minerals Holdings Limited (**ASX: LGM, Legacy Minerals, or the Company**) with respect to the anticipated future undertakings. These forward-looking statements reflect various assumptions by or on behalf of Legacy Minerals. Accordingly, these statements are subject to significant business, economic and competitive uncertainties and contingencies associated with the mining industry which may be beyond the control of Legacy Minerals which could cause actual results or trends to differ materially, including but not limited to price and currency fluctuations, geotechnical factors, drilling and production results, development progress, operating results, reserve estimates, legislative, fiscal and regulatory developments, economic and financial markets conditions in various countries, approvals and cost estimates, environmental risks, ability to meet funding requirements, share price volatility. Accordingly, there can be no assurance that such statements and projections will be realised. Legacy Minerals makes no representations as to the accuracy or completeness of any such statement of projections or that any forecasts will be achieved.

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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.



Assets Overview

Quality Projects in a World Class District



Black Range Au-Ag Epithermal

\$15M JV **Bauloora** Au-Ag Epithermal

Rockley Cu-Au Porphyry

Cobar Au-Cu Cobar Type

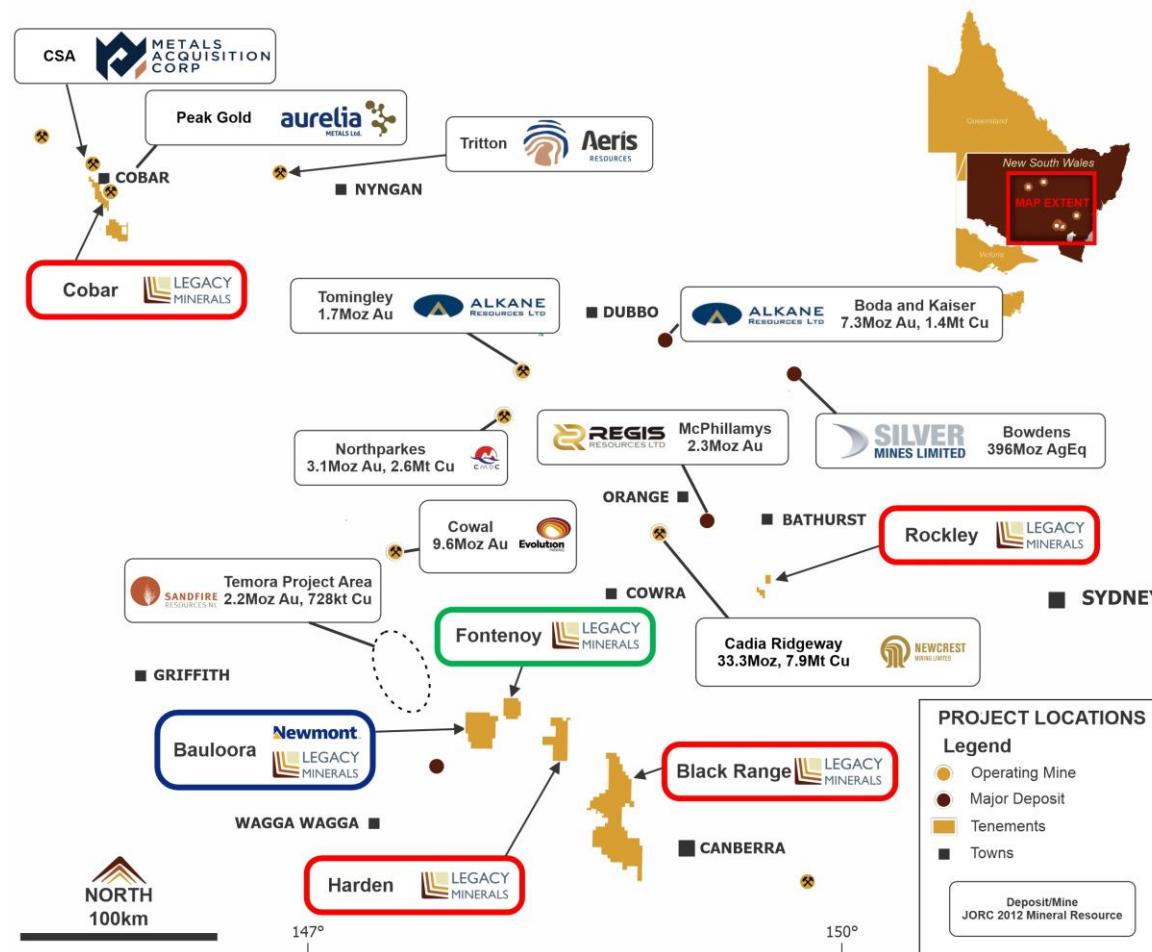
Harden Au Orogenic

\$4.5M JV **Fontenoy** Cu-Au Porphyry

Newmont

EARTH AI

2,450km² of exploration tenements



Map of central NSW showing Legacy Minerals tenements (red) and geographical location of major mining and exploration projects in NSW (figures are expressed as mineral resources).



ASX: LGM

Note: references on this slide can be located in the Appendix – Endnotes on Slides 17 and 18

What sets us apart?



Legacy Minerals Discovery Model

Direct funding



- 100% owned high-quality projects with no royalty burden
- World class geological terrain - Lachlan Fold Belt, NSW
- Fully permitted, secured land access, low sovereign risk
- **Full upside to shareholders upon exploration success**

Newmont funding



- Aggressive exploration targeting world class deposits
- Up to \$15m within 8 years
- LGM to operate and manage exploration
- Newmont to finance to production under LGM option
- **Legacy Minerals retains 20% ownership of Project**

Earth AI funding



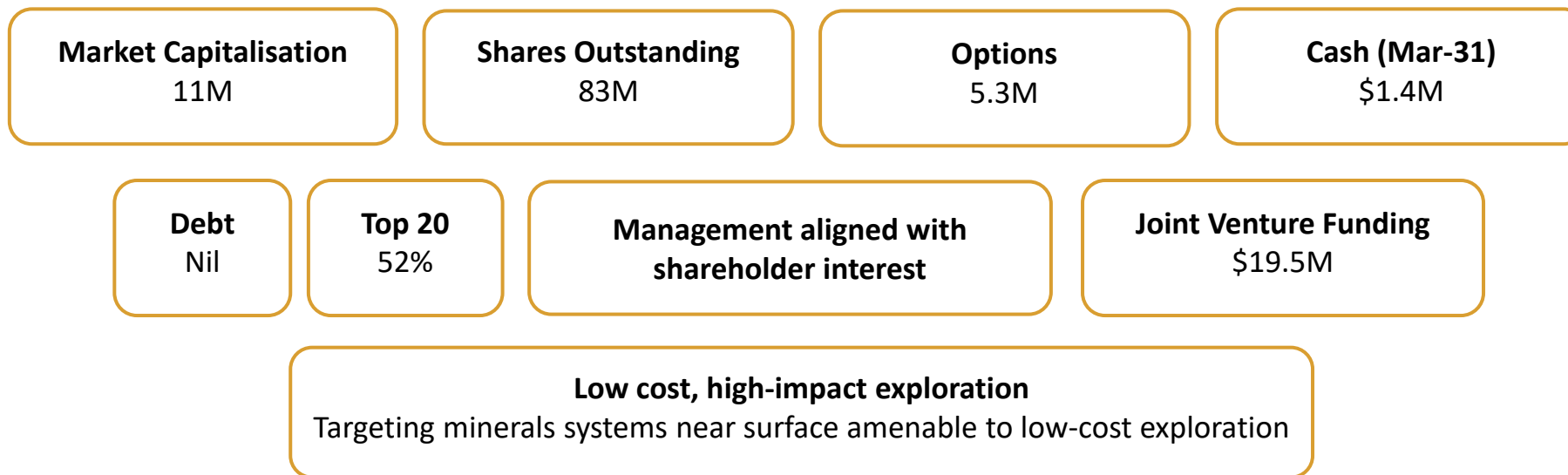
- Cutting edge artificial intelligence
- Up to \$4.5M over 2 years
- LGM retain 100% ownership of Projects
- **Success based – No economic intercept, no earn-in**

Hybrid Discovery Approach

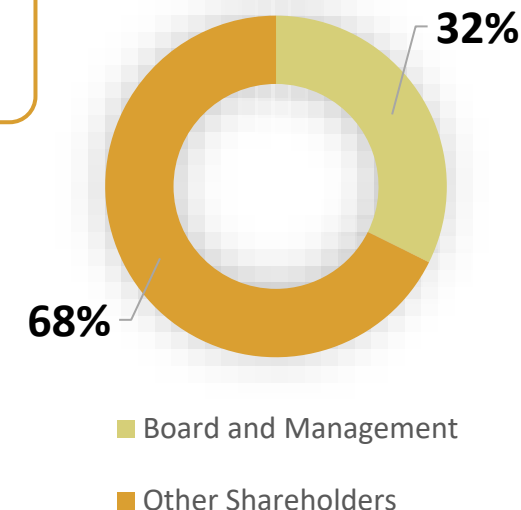
- **Direct upside for shareholders through self-funded exploration**
- **Minimise exploration risk, dilution, and financing risk with partner funding**
- **Multiple projects increase the probability of discovery success**



Company overview¹



Issued Capital



Share Price - \$0.14



Directors



Dr David Carland
Non-Executive
Chairman



Douglas Menzies
Non-Executive
Director



Matthew Wall
Non-Executive
Director

Management



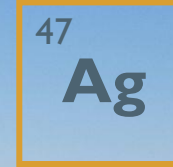
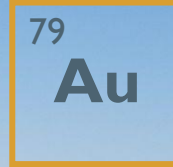
Christopher Byrne
CEO & Managing
Director



Thomas Wall
Exploration Manager
& Executive Director

**Emerging large-scale low
sulphidation epithermal**

**Newmont Farm-in and Joint
Venture**



Bauloora



ASX: LGM

Bauloora

Targeting a Tier 1 Epithermal Deposit

Newmont Joint Venture (\$15M)

- Discovery focused joint venture
- Newmont finance to production
- LGM to retain 20% ownership

District scale control – 330km² license

- Alteration across 150km² zone
- 27km² low sulphidation vein field

Untested potential

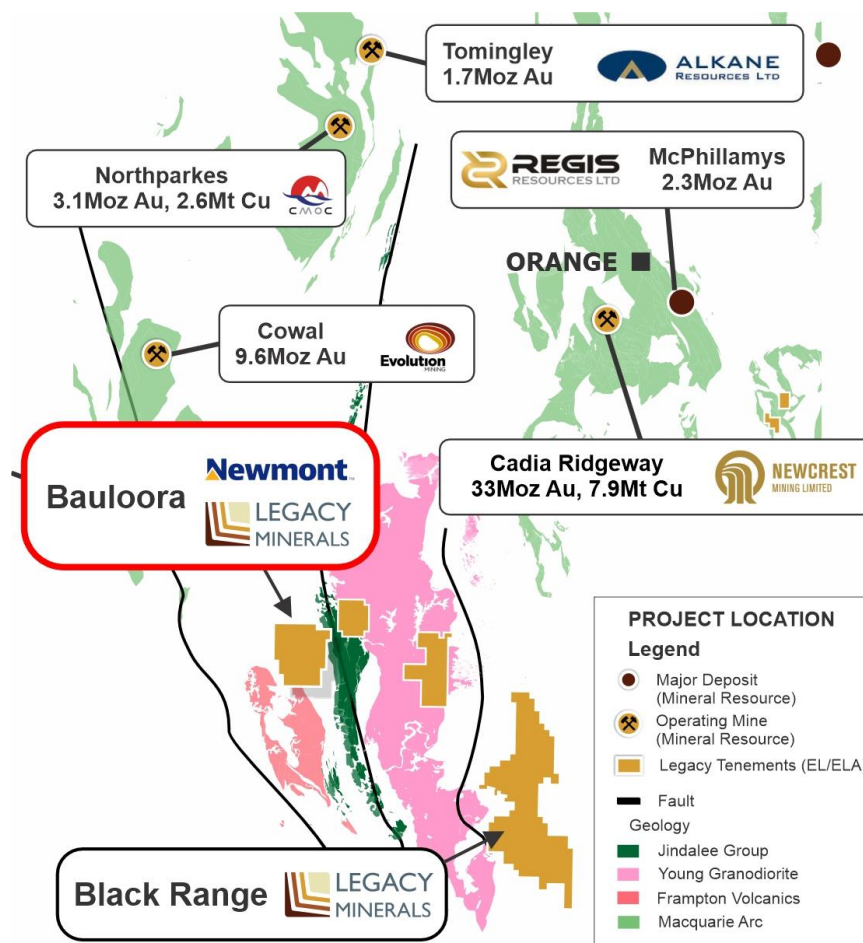
- Previously unrecognised opportunity

High-Grades and Extensive Veining

- High-grade gold, silver and base metals
- Veins up to 3m wide at surface for >2km

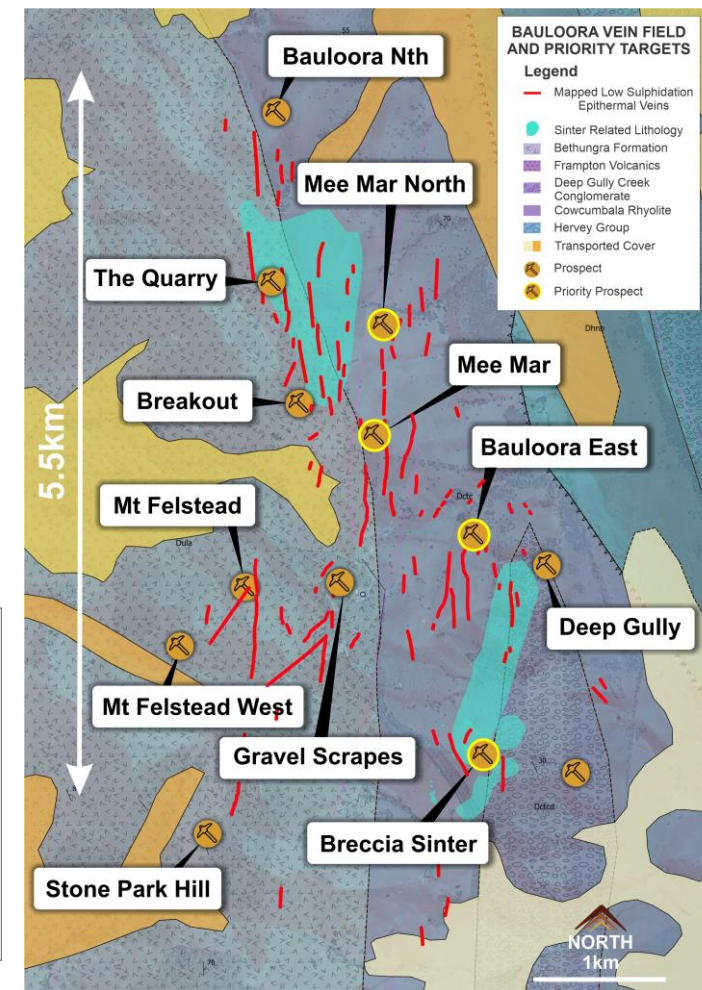
Preserved Epithermal System

Bauloora Project



Map of central NSW showing Legacy Minerals tenements and geographical location of major mining and exploration projects in NSW (figures are expressed as mineral resources).

Primary Vein Field



Current combined extent of low-sulphidation epithermal-style textured veins and sinter related lithology

Aggressive Exploration and Upcoming Drilling

Targeting a Tier 1 Epithermal Deposit

Significant Exploration Program Underway

Large scale ground and airborne geophysics

Shallow and high-grades in drilling

Bluecap - new epithermal shoot discovery 2023

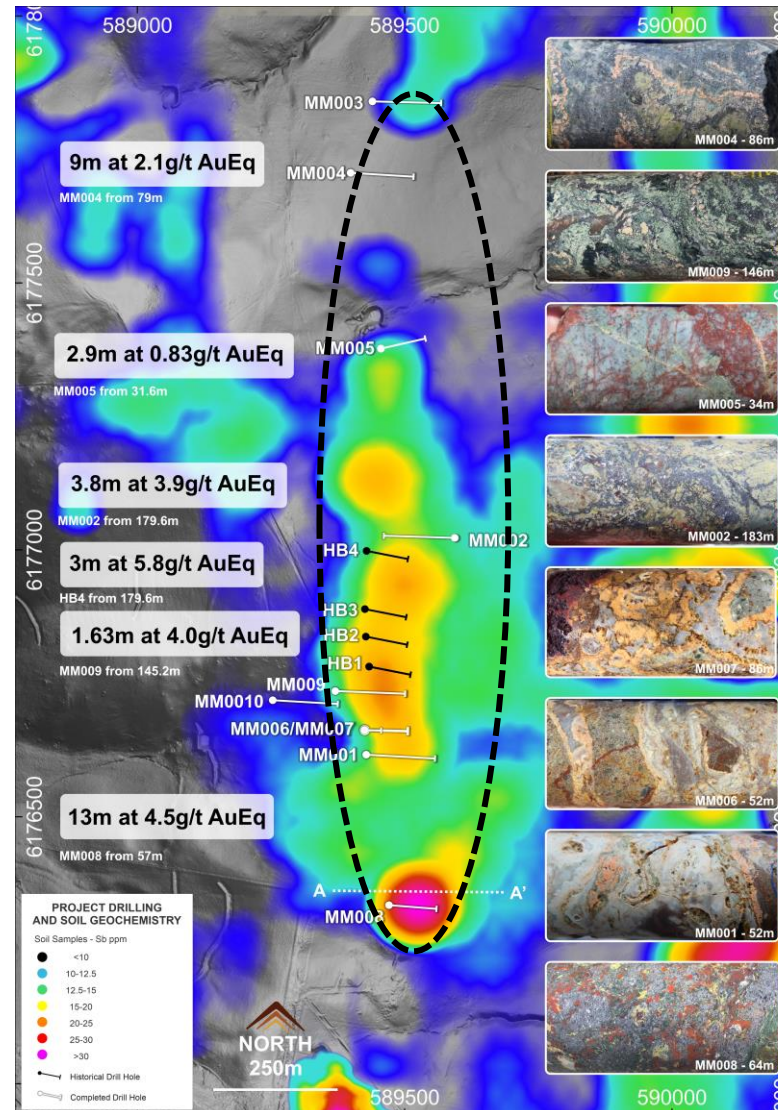
- 13m at 4.53g/t AuEq. incl.
6m at 8.00g/t AuEq. from 57m
- Mt Felstead Mine
- 9m at 8.5g/t AuEq. From 142

Preservation of 'Boiling Zones'

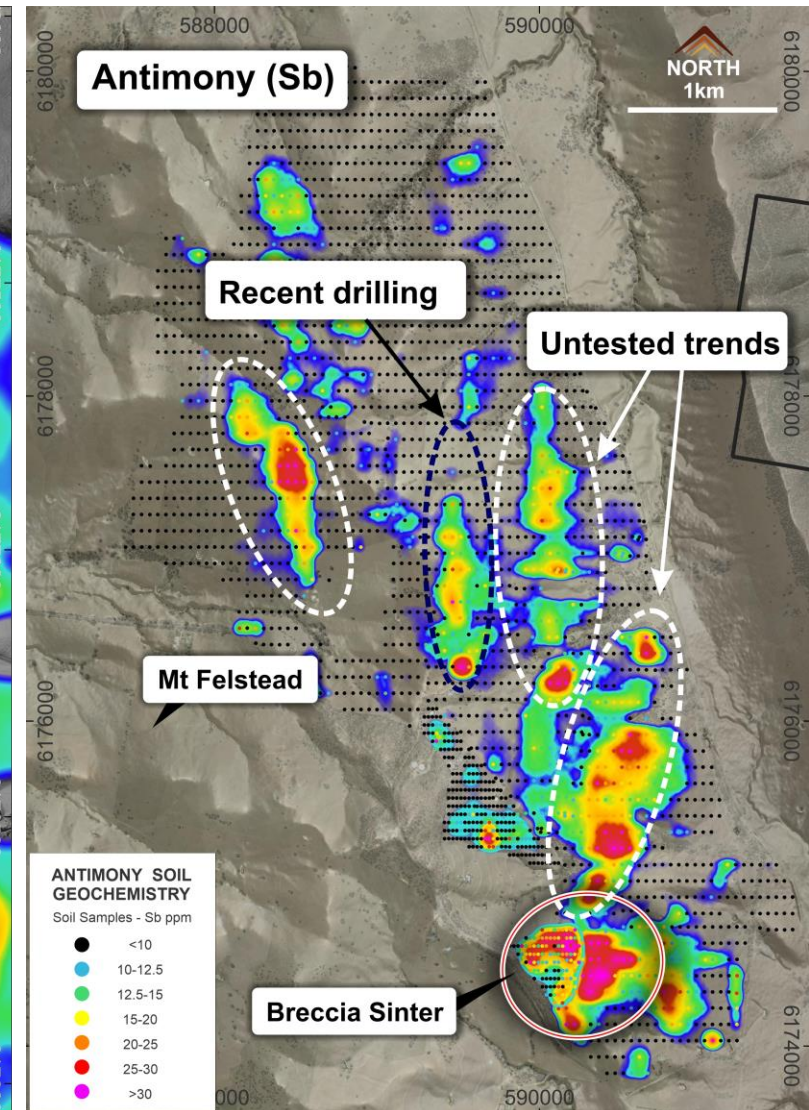
High-grade gold mineralisation interpreted to be preserved at depth below current drilling

Upcoming Drilling - Breccia Sinter

Q3/Q4 drill testing of AMT and Geochem targets



Mee Mar Prospect showing the location of completed diamond-cored drill holes, over Sb soil sample results and drill intercepts rock chip results²



Vein filled with Sb soil samples and identified trends

79
Au

**Large low sulphidation
epithermal with district
control in NSW**

Black Range

Black Range

100% ownership another large, underexplored epithermal system...

District scale control – 905km² license

- Large 7km² silica-sericite-sulphide alteration zone (Sugarbag Hill Prospect) associated with gold mineralisation.
- **30 years since last significant exploration (Newcrest Mining)**
- Newcrest dropping the ground in 1992 (year of the Cadia discovery)

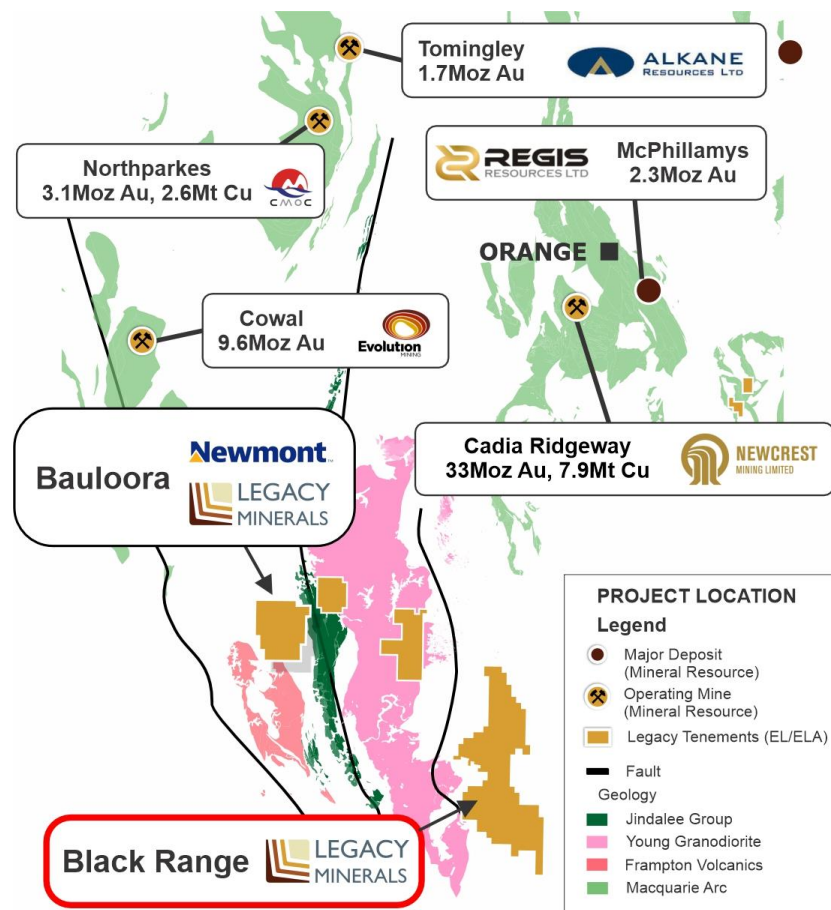
Why are we excited?

- **Preservation potential and widespread anomalism**
- 65km from Bauloora with known parallels between the two systems
- Newcrest dated Black Range to be the same age mineralisation as Bauloora

Upcoming news flow

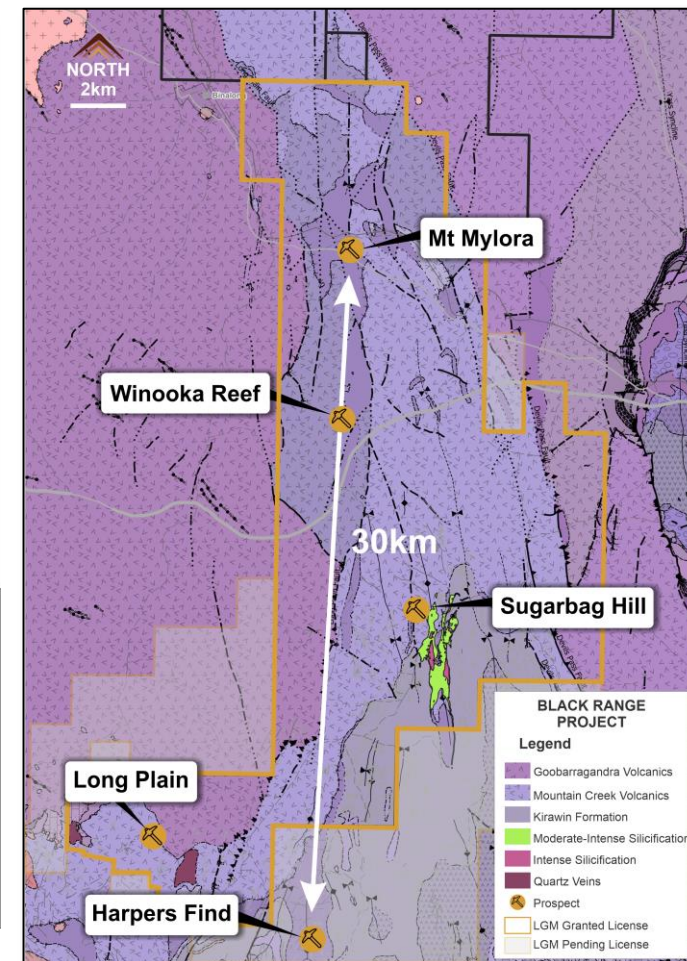
Systemic work with geology and terrain
amenable to low cost, high impact exploration

Black Range Project



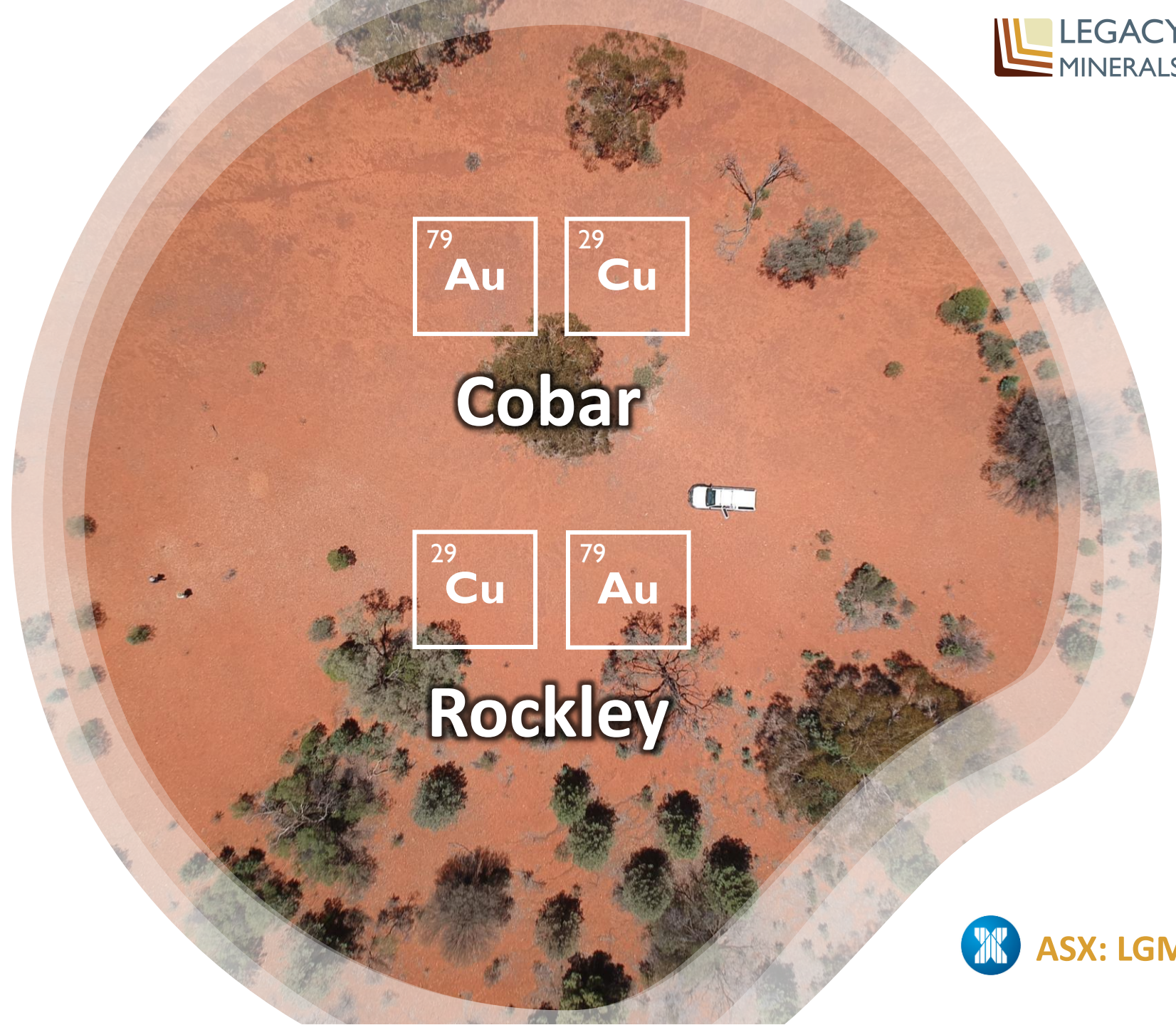
Black Range EL and ELA (red) with solid geology showing major prospect and geology (public data, MinView Department of Regional NSW)

Main Prospects



Black Range regional geology map overlain with EL and ELA tenement boundaries

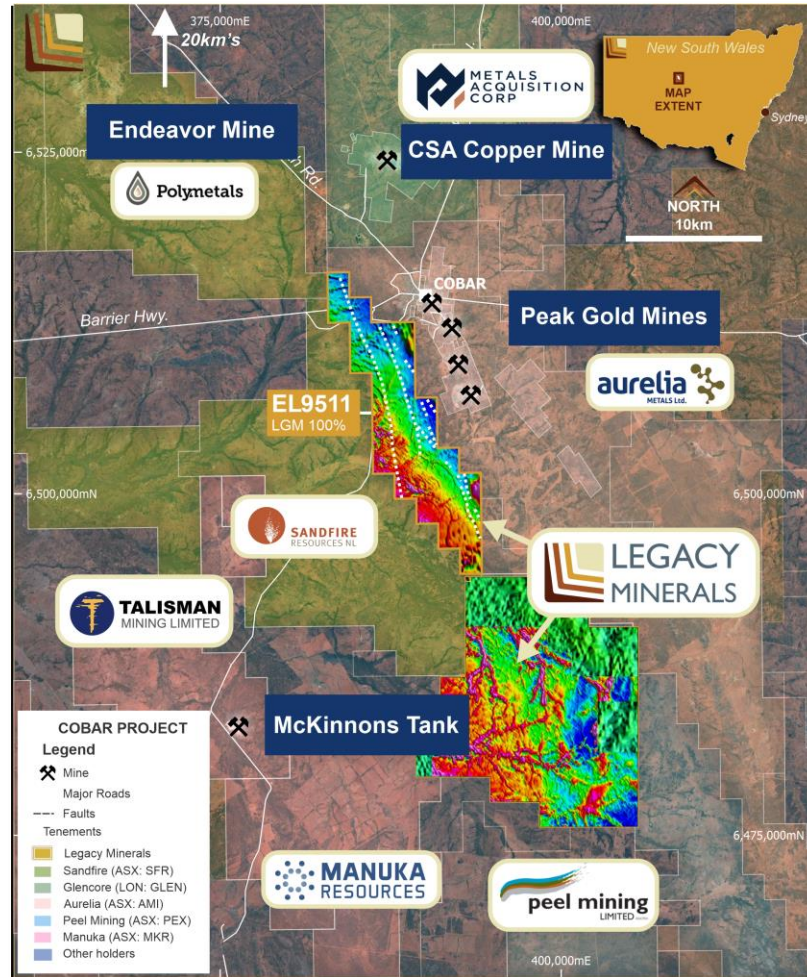
**Pipeline of high-quality
projects**



Cobar: Au-Cu (Zn-Pb)

100% owned and unencumbered

Heart of the Cobar – along strike of major mines

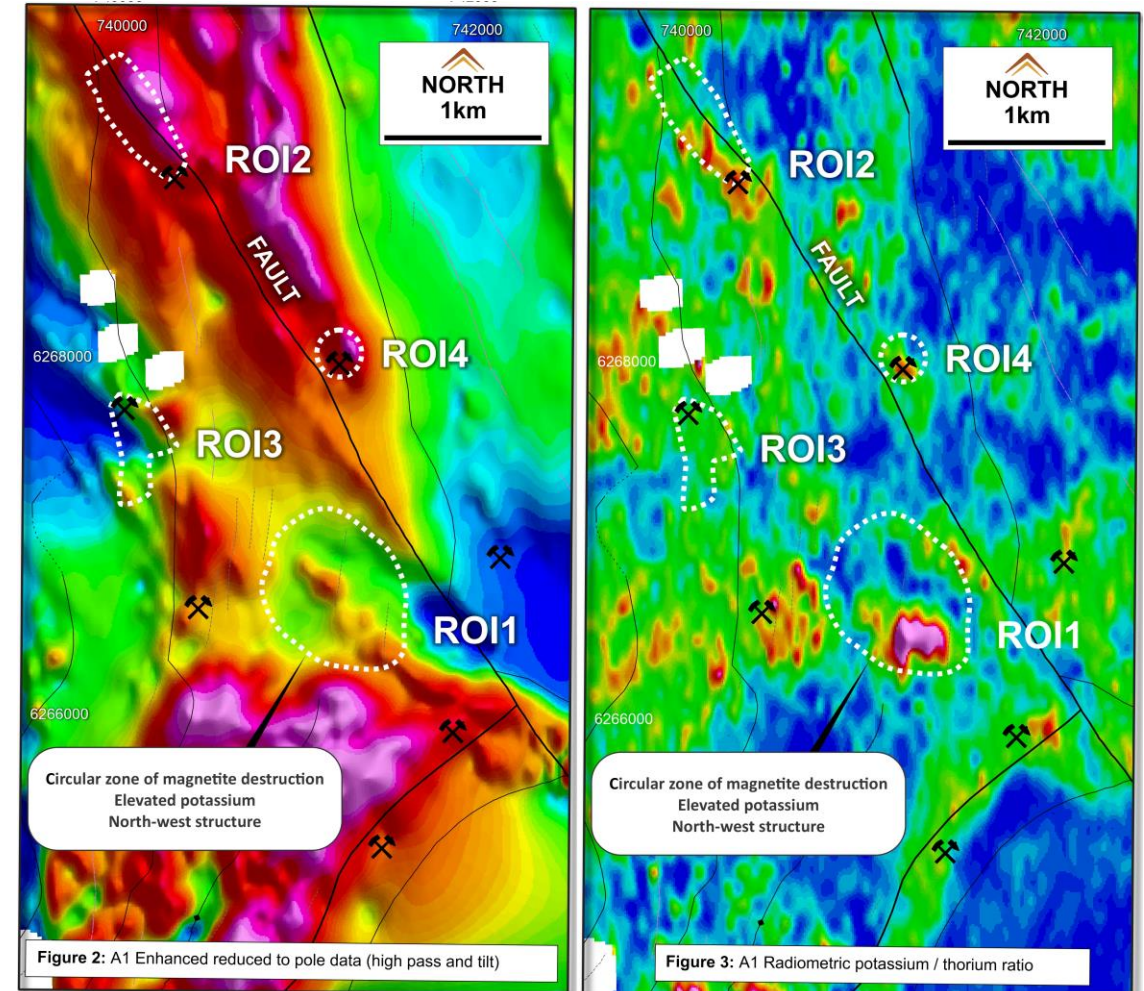


Cobar tenement boundary (EL9511) overlain with regional magnetics RTP and surrounding company licences

Rockley: Au - Cu

100% owned and unencumbered

Widespread copper anomalism - untested porphyry targets



Rockley tenement (EL8926) showing RTP magnetics and K/Th radiometric images overlain with historical workings and identified regions of interest (ROI).⁴

At the head of the pack with artificial intelligence exploration

Earth AI Exploration Alliance

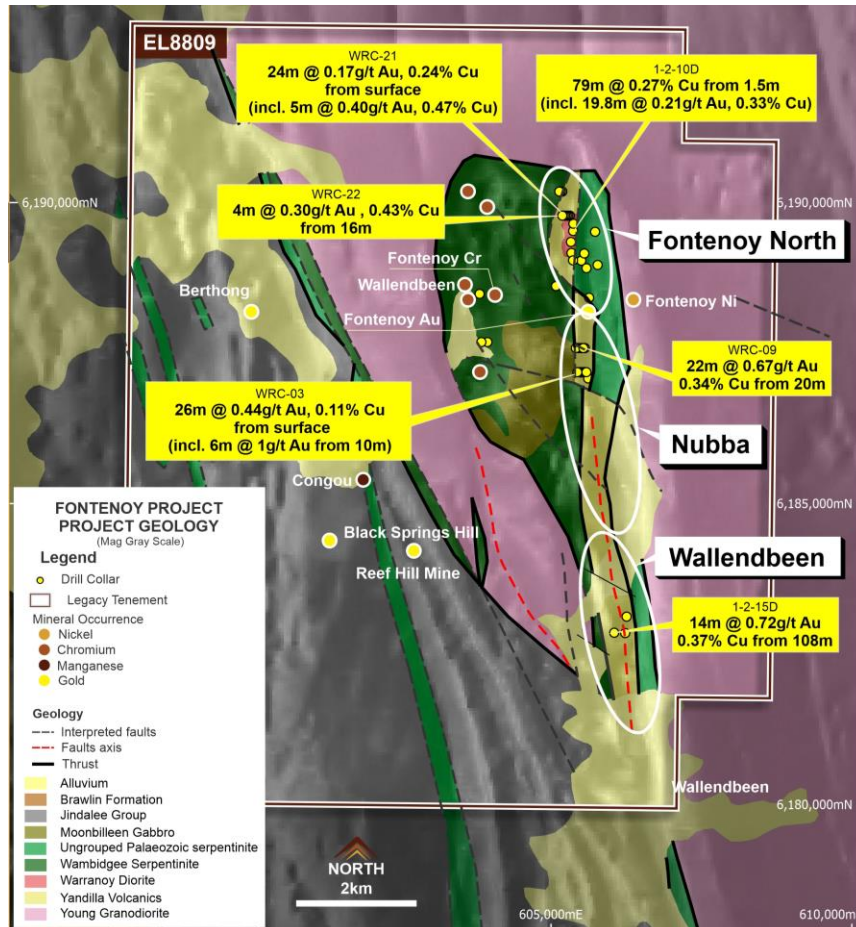


Realising value through strategic partners



Fontenoy – Cu, Au, PGE, Ni

Widespread Cu-Au and Ni anomalism with limited drill testing¹



Earth AI

Strategic Alliance putting LGM at the exploration forefront²

- Exposure for LGM shareholders to the proprietary artificial intelligence owned by Earth AI (EAI)
- Vertically integrated with drill rig ownership
- EAI will spend up to \$4.5M over 2 years
- Success based earn-in unlike a 'classic JV'
 - Need to get an economic intercept
- LGM retain 100% ownership of project

Legacy Minerals Year Ahead




Significant pipeline of exploration works



**LEGACY
MINERALS**

Sole funded discovery exposure

Q2 Black Range <i>Reconnaissance Field Work</i>	Q2 - Q4 Black Range <i>Mapping and Geochem</i>	 Q3 - Q4 Black Range or Cobar <i>Drill Campaign</i>
Q2-Q3 Cobar <i>AEM Modelling</i>	Q2 - Q3 Cobar <i>Geochem</i>	Q3 Rockley <i>Geochem</i>

- Follow up drill campaigns
- Follow up generative work








Newmont™

EARTH AI

Partnership funding up to \$19.5M over 8 years

 Q2 Mee Mar <i>Drilling</i>	Q2 Bauloora <i>Geophysics</i>	Q2 – Q3 Bauloora <i>Geochem</i>	Q3 Bauloora - <i>Aerial mag/rad</i>	 Q3-Q4 Sinter Prospect <i>Drill Campaign</i>
	Q2-Q3 Fontenoy <i>Geochem</i>	 Q3 Fontenoy <i>Drill Campaign</i>		

Why invest?



Tier 1 Jurisdiction
Tier 1 Partner
Tier 1 Targets



Hybrid discovery model



Two flagship projects,
one with Newmont JV



Accelerated exposure to
potential discoveries

CONTACT

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CEO and Managing Director

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+61 (0) 499 527 547



ASX: LGM

Appendices – Endnotes



Slide 3, Slide 7, Slide 10: 1 Alkane Resources Kaiser Resource Estimate of ~4.7M Gold Equivalent 27 February 2023; 2 Silver Mines, Ord Minnett East coast Mining Conference, March 2023; 3 Alkane Resource and Reserve Statement FY22, 9 September 2022; 4 Newcrest Mining Annual Mineral Resources and Ore Reserves Statement 17 February 2022; 5 Sandfire Resources NL 2019 Annual Report ; 6 Regis Resources Annual Mineral Resource and Ore Reserve Statement 8 June 2022; 7 CMOC Northparkes Mining and Technical Information; 8 Evolution Mining 2022 Annual Report

Project & Company	Mineral Resource	Measured Resource	Indicated Resource	Inferred Resource
Bowdens, NSW (Silver Mines Ltd)	396Moz AuEq	236 AgEq	88 AgEq	73 AgEq
Boda-Kaiser, NSW (Alkane Resources Ltd)	7.26Moz Au, 1.38Mt Cu	-	-	7.26Moz Au, 1.38Mt Cu
Tomingley, NSW (Alkane Resources Ltd)	1.75Moz Au	0.13M Au	1.019Moz Au	0.59Moz
McPhillamys, NSW (Regis Resources Ltd)	2.29Moz Au		2.28Moz Au	0.001Moz Au
Cadia-Ridegway, NSW (Newcrest Mining Ltd)	33.31Moz Au, 7.9Mt Cu	0.31Moz Au, 0.041Mt Cu	33Moz Au, 7.3Mt Cu	0.75Moz, 1.1Mt Cu
Cowal, NSW (Evolution Mining Limited)	9.618Moz Au	0.367Moz Au	7.33Moz Au	1.92Moz Au
Temora, NSW (Sandfire Resources Ltd)	2.2Moz 728kt Cu	-	0.381Moz Au, 83kt Cu	1.8Moz Au, 645kt Cu
Nth Parkes, NSW (CMOC Mining Pty Ltd)	3.09Moz Au, 2.63Mt Cu	1.64Moz Au, 1.2Mt Cu	1.1Moz Au, 1.1Mt Cu	0.35Moz Au, 0.33Mt Cu

Mineral Equivalents:

Bowdens: Calculations have been rounded to the nearest 100,000 t, 0.1 g/t silver and 0.01% zinc and lead grades respectively. The Ore Reserve is reported by economic cut-off grade with appropriate consideration of modifying factors including costs, geotechnical considerations, mining and process recoveries and metal pricing. Bowdens' silver equivalent: $\text{Ag Eq (g/t)} = \text{Ag (g/t)} + 33.48 * \text{Pb (\%)} + 49.61 * \text{Zn (\%)} + 80 * \text{Au (g/t)}$ calculated from prices of US\$20/oz silver, US\$1.50/lb zinc, US\$1.00/lb lead, US\$1600/oz gold and metallurgical recoveries of 85% silver, 82% zinc, 83% lead and 85% gold estimated from test work commissioned by Silver Mines Limited (Silver Mines, Ord Minnett East coast Mining Conference, March 2023)

Appendices – Endnotes (continued)



Slide 7: 1: ASX: LGM 19 October 2022 Exploration Ramp up at Bauloora Epithermal Gold Project; 2:LGM ASX 1 November 2022 Geophysics Expands Potential Size of Bauloora Gold System

Slide 8: 1: LGM ASX: 15 February 2023 Significant new discovery at the Bauloora Epithermal Project; 2: LGM ASX: 21NOV2022 New High-Grade Gold Assays Returned Across Bauloora

Slide 10: ASX: LGM 27 April 2023 Exploration underway at new low-sulphidation epithermal, NSW, MinView, www.minview.geoscience.nsw.gov.au

Slide 12: ASX: LGM 4 April 2022: Extensive Copper and Gold in Rock Chips and Rockley; 2: Company's Prospectus dated 28 July 2021 lodged 9 September 2021 (ASX: LGM) , ASX: LGM 27 July 2022 Geophysics Defines Porphyry Copper-Gold Targets at Rockley;

Slide 17: 1: 2: Company's Prospectus dated 28 July 2021 lodged 9 September 2021 (ASX: LGM) 2: ASX: LGM 3 May 2022: Strategic Exploration Alliance with AI Explorer