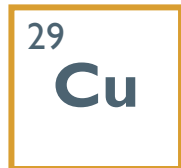
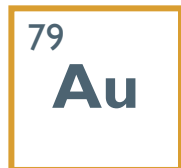




Hunting a Breakthrough Discovery



NSW, Australia

Gold Conference, 30 August 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.



Asset Overview

Core Focus – Epithermal Systems

Black Range Au-Ag

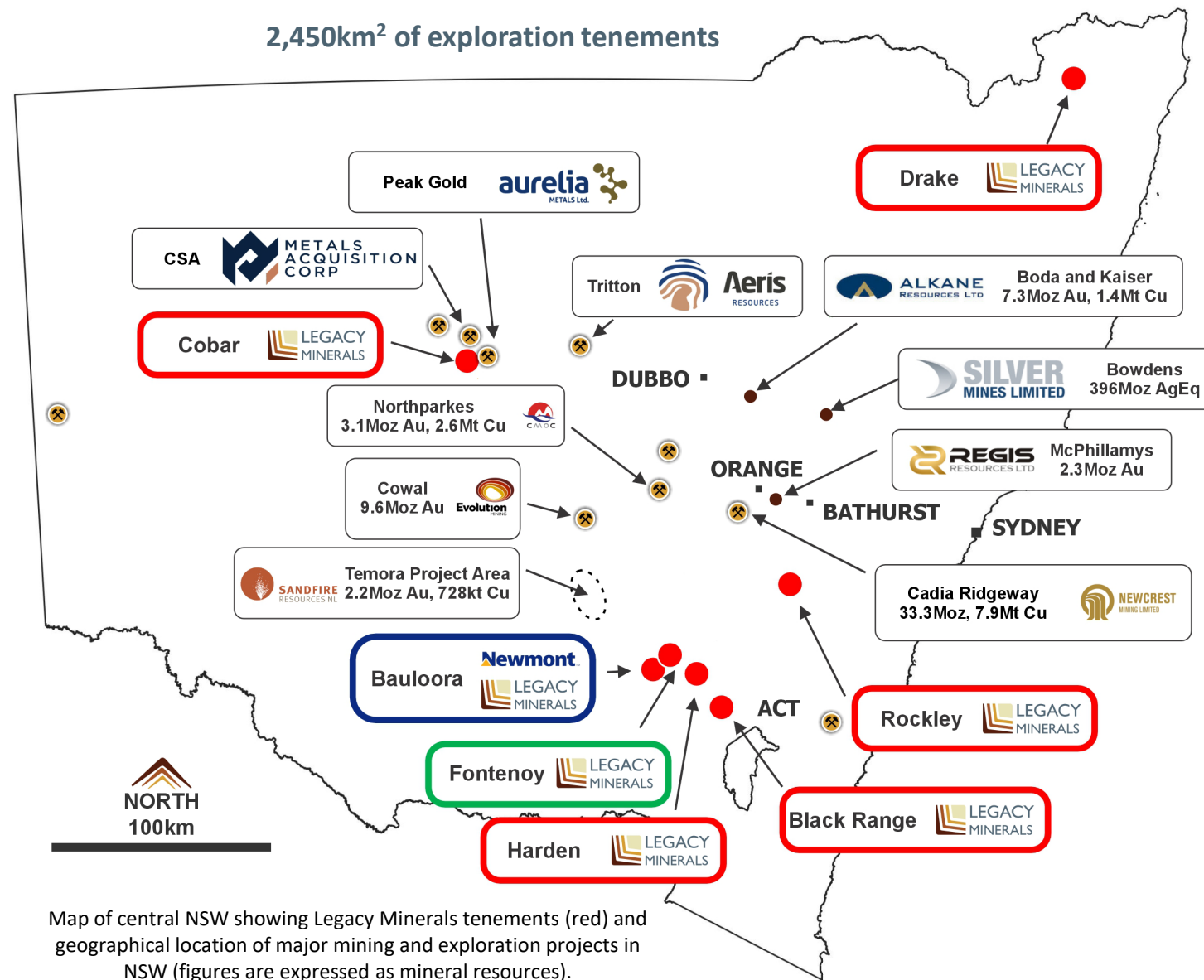
Bauloora Au-Ag **Newmont**

Drake Au-Cu

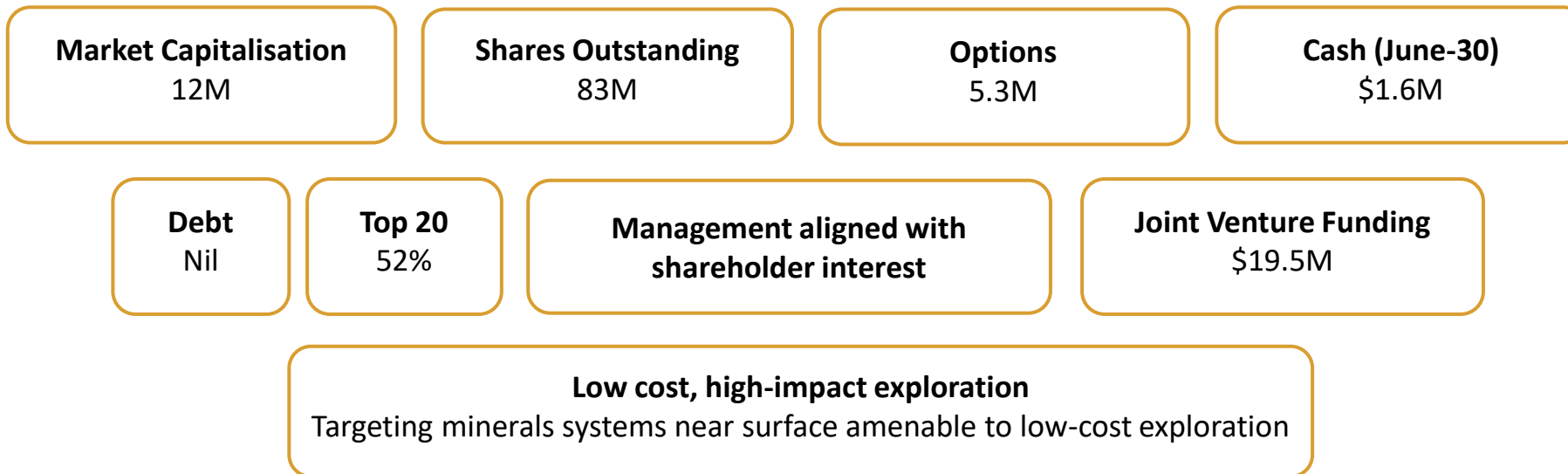
Pipeline Projects

Fontenoy Ni-Cu-PGE-Au **EARTH AI**

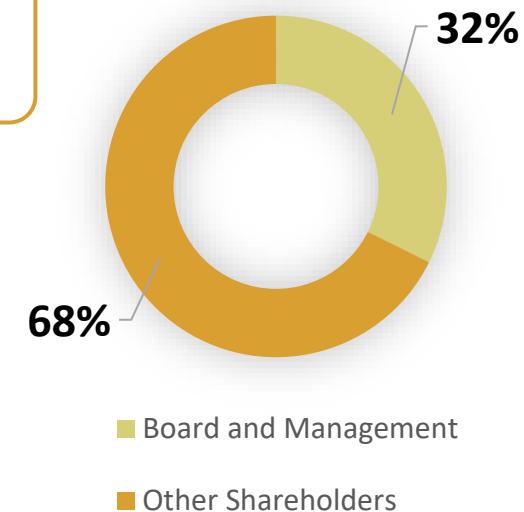
Cobar, Rockley, Harden



Company overview



Issued Capital



Share Price - \$0.15



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

What sets us apart?

Legacy Minerals Discovery Vision

Direct funding



- 100% owned high-quality projects with no royalty burden
- World class geological terrain
- 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

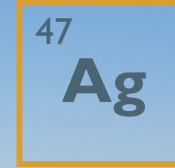
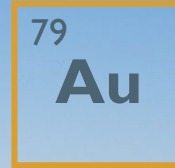
- **Direct upside for shareholders through self-funded exploration**
- **Minimise exploration risk, dilution, and financing risk with partner funding**
- **Multiple projects increase the probability of discovery success**



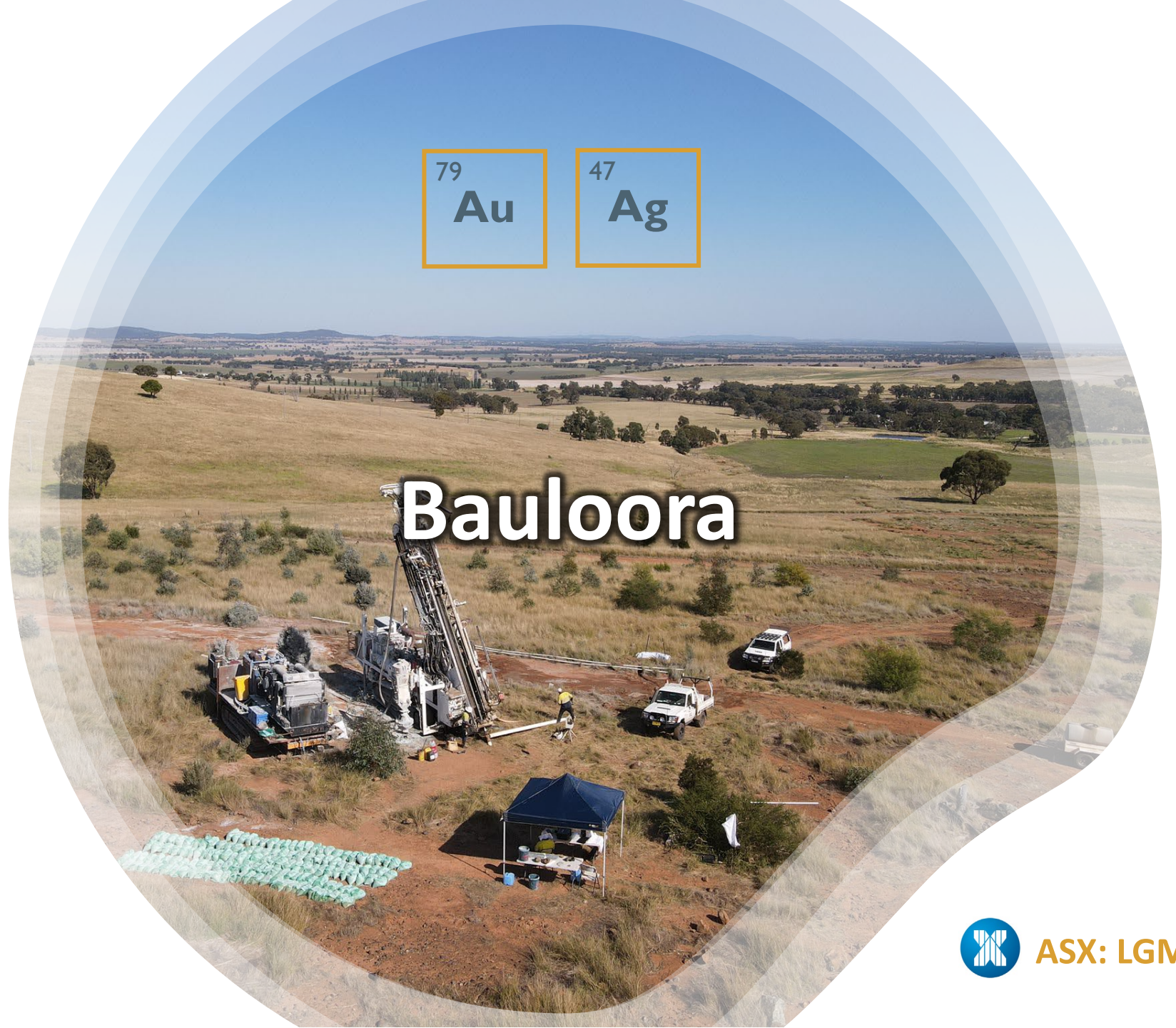
Drilling for a major
epithermal discovery

NewmontTM

Newmont Farm-in



Bauloora



ASX: LGM

Bauloora

Targeting a Tier 1 Epithermal Deposit

Drilling this quarter

- Immediate discovery exposure

Newmont Joint Venture (\$15M)

- Discovery focused joint venture
- LGM 20% loan carried to production

District scale control – 330km² license

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

Untested potential

- Previously unrecognised opportunity

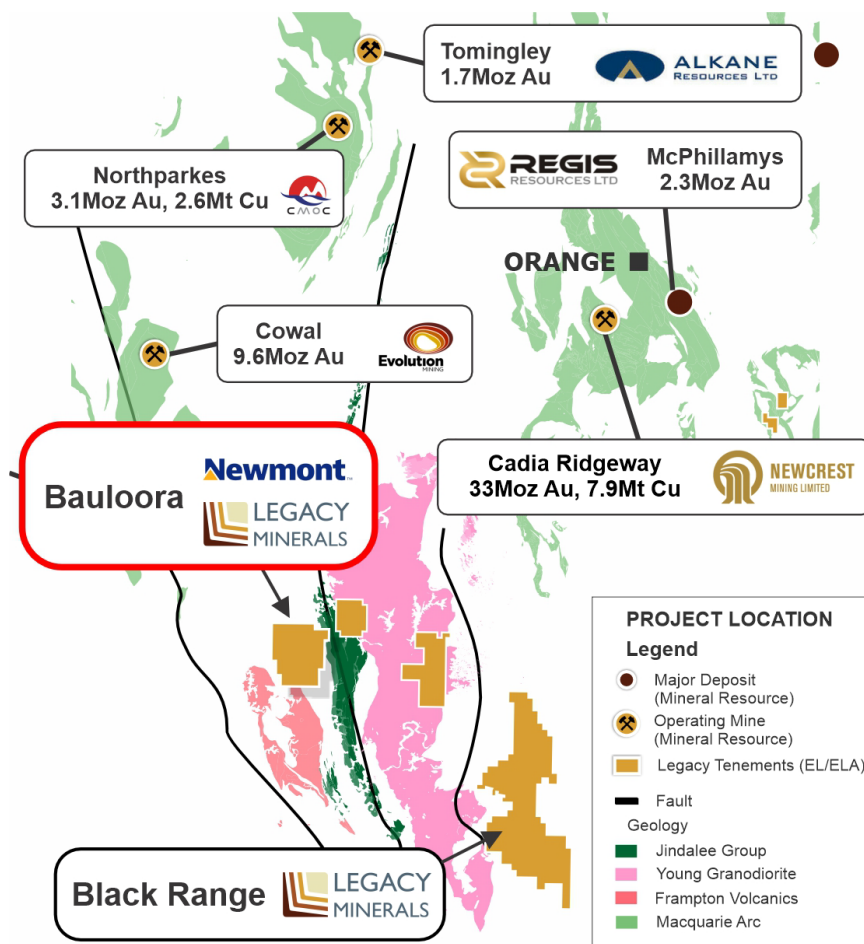
High-Grades and Extensive Veining

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

Significant Programs Underway

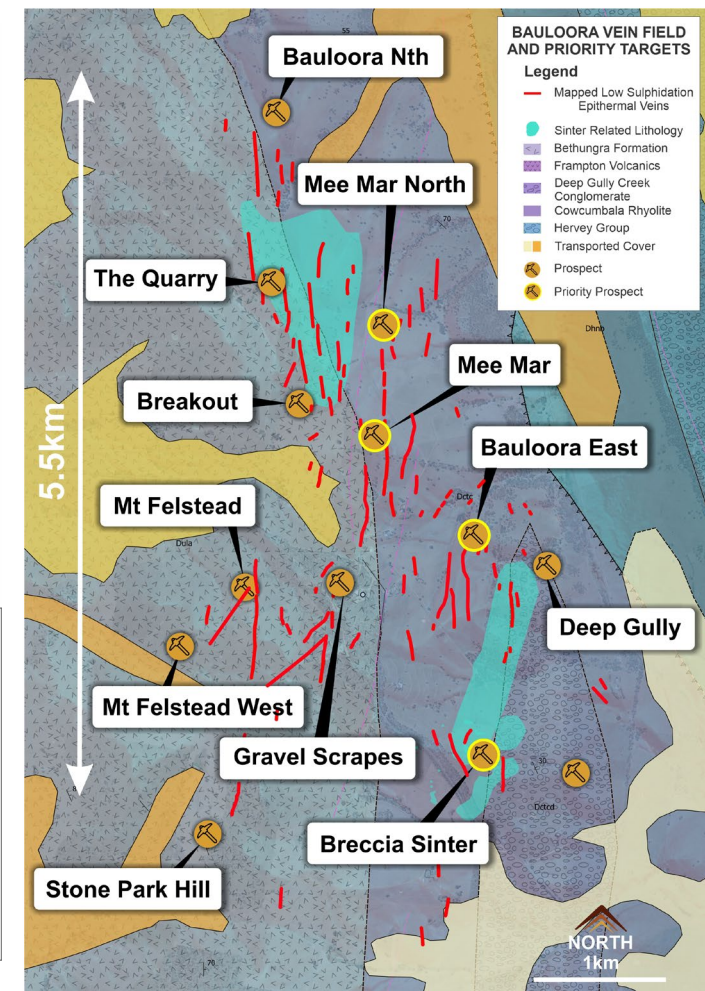
Large scale ground and airborne geophysics

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

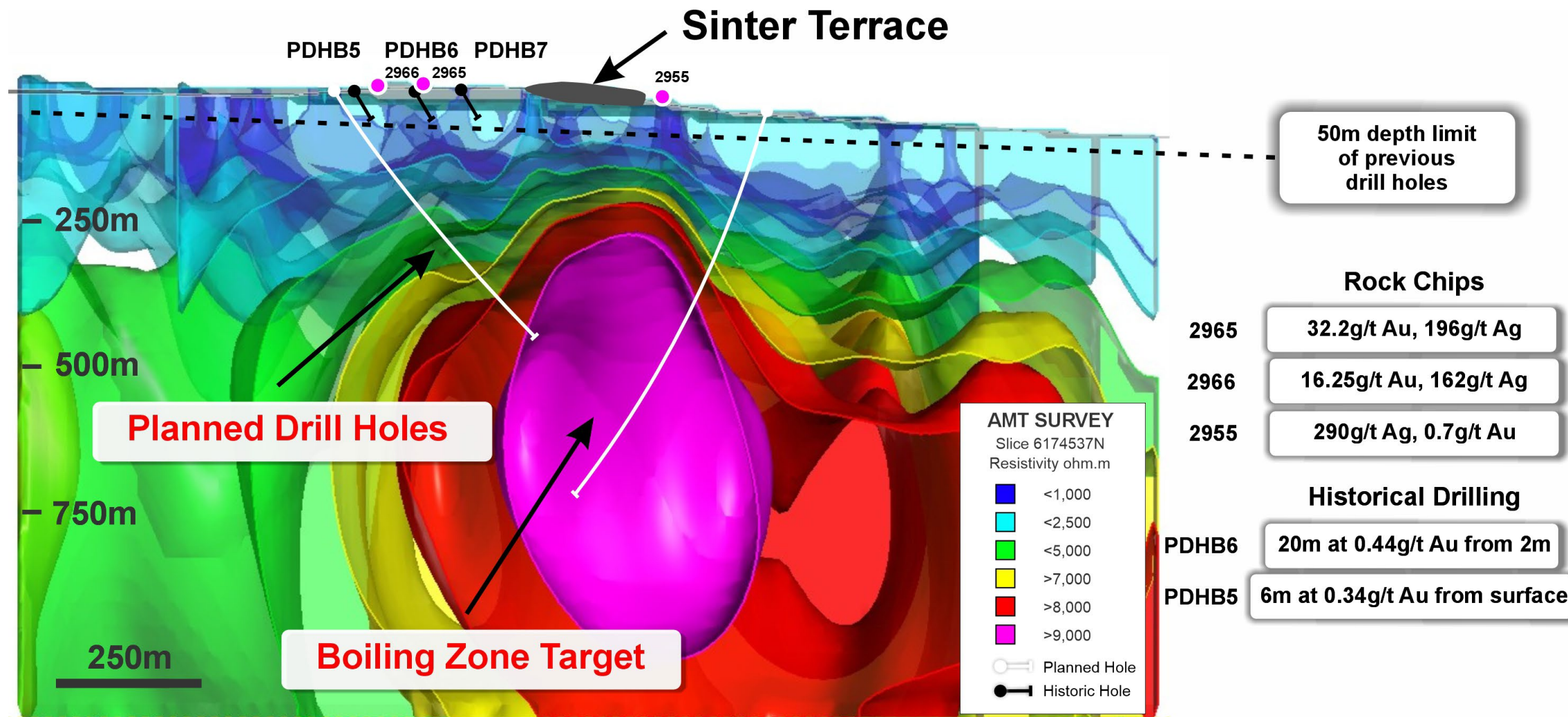


Current combined extent of low-sulphidation epithermal-style textured veins and sinter related lithology¹

'Bulls Eye' 500mx500m Resistive Anomaly

Drilling Planned for Q3 2023

- A strongly resistive anomaly (~9,000 ohm*m) has been identified and is depth extensive (>1,000m) and comes to within 300m of the surface¹



Textbook Response

Geological Model for the Breccia Sinter and AMT Response¹

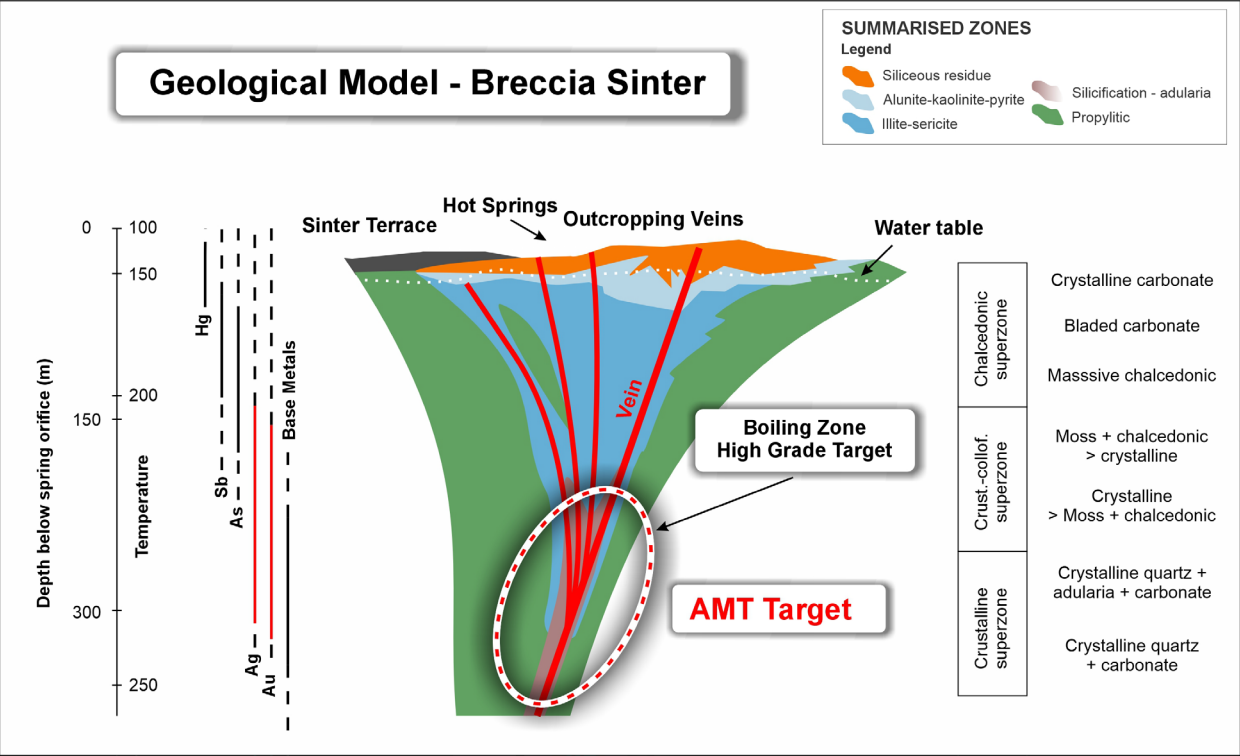


Figure 1. Showing the geological model used for targeting at Bauloora (after Buchanan, 1981)

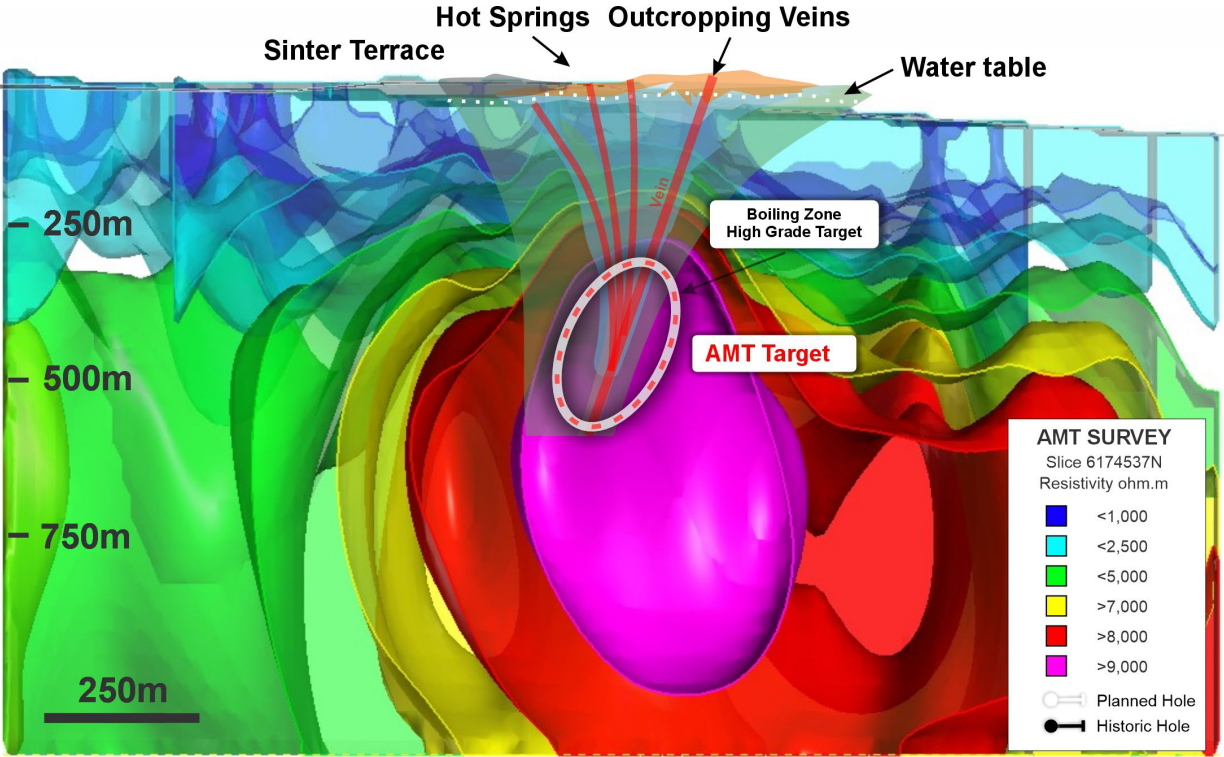


Figure 2. Showing the geological model used for targeting at Bauloora (after Buchanan, 1981) overlain over the 3D AMT model at the Breccia Sinter prospect.

Target Rich Environment

District Scale Environment

Shallow and high-grades in drilling^{1,2}

Bluecap - new epithermal shoot discovery 2023

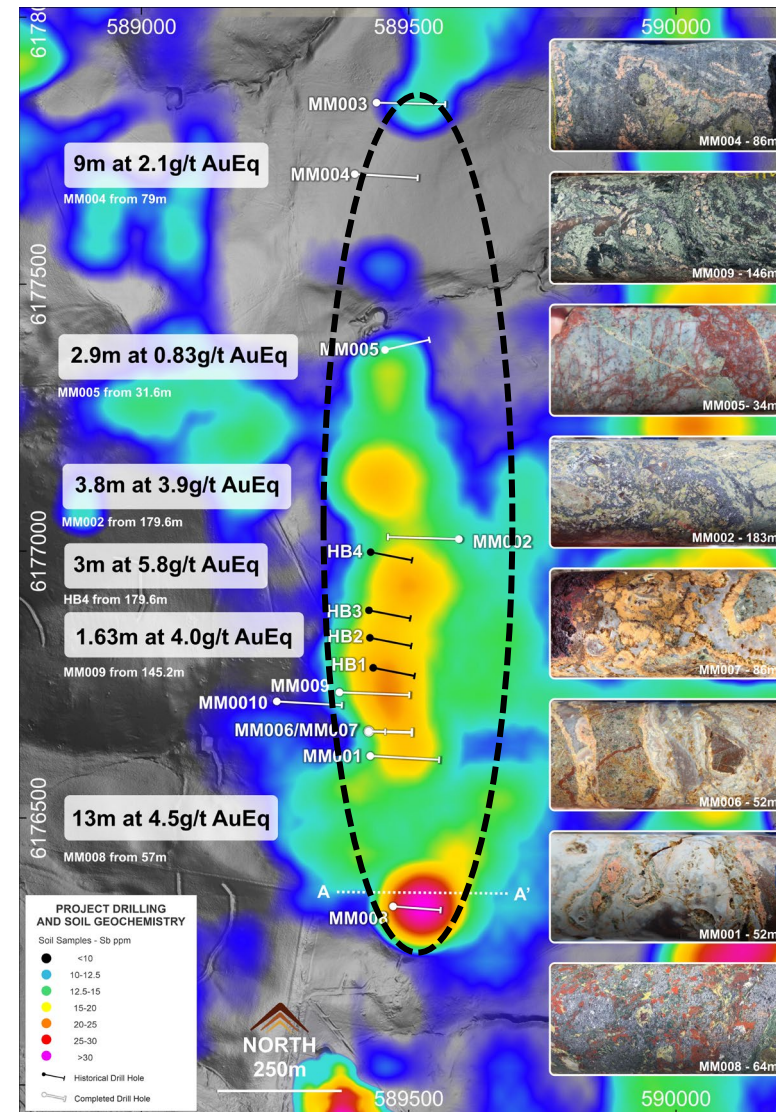
- **13m at 4.53g/t AuEq.** (1.66g/t Au, 6.68g/t Ag, 0.14% Cu and 4.23% Pb+Zn) incl.
- **6m at 8.00g/t AuEq.** (3.56g/t Au, 10.95g/t Ag, 0.22% Cu and 6.47% Pb+Zn) from 57m

Mt Felstead Mine

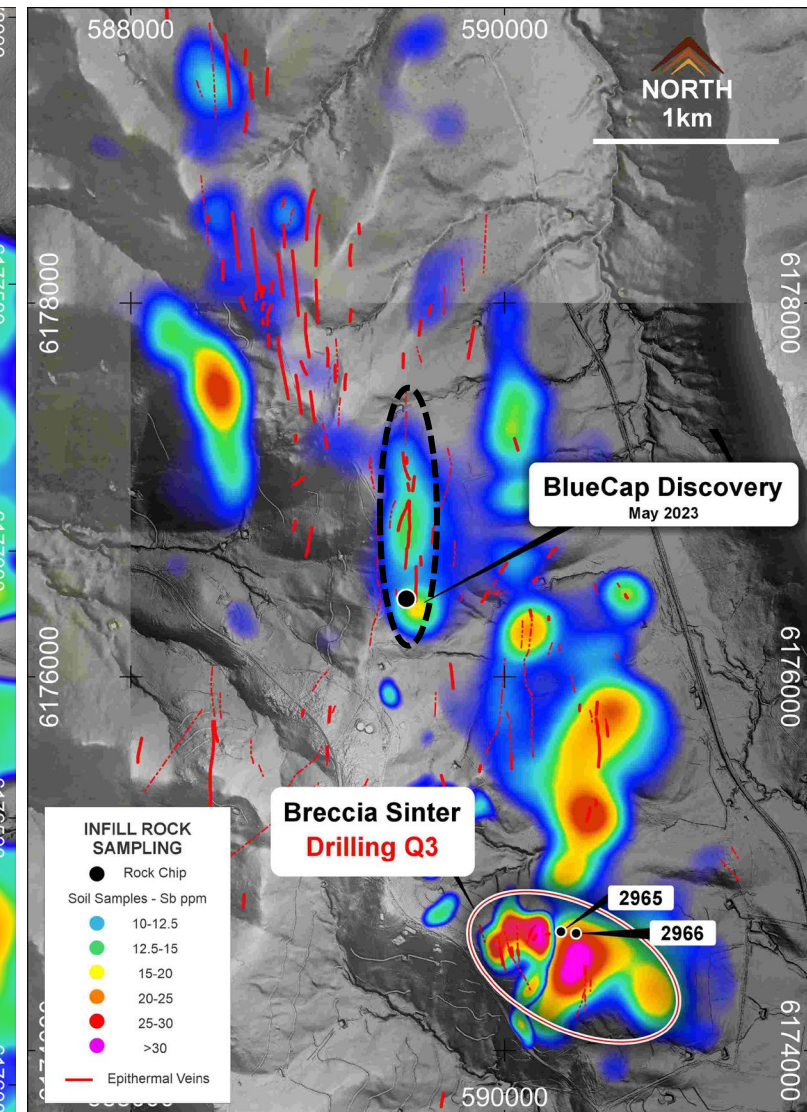
- **9m at 8.5g/t AuEq.** From 142m

Testing of Further Targets in 2024

Completion of AMT survey across the northern area will define targets for testing early 2024



Mees 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 trends²

Where the JV model has worked - Greatland Gold (LSE:GGP)



Newcrest Partnership at Havieron's delivered exceptional growth through discovery

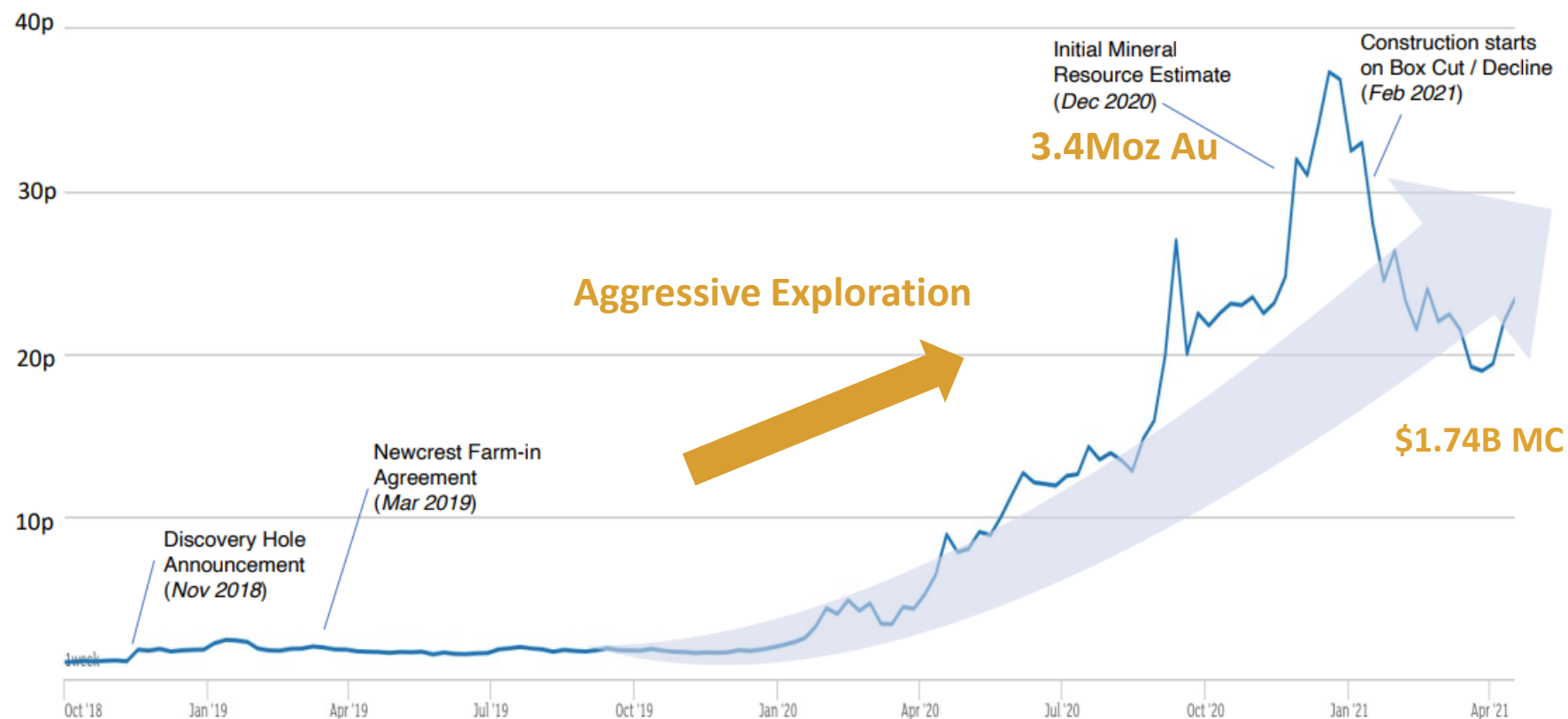
Greatland – Newcrest JV¹

- \$60M for 70% over 7 years
- Greatland to fund its 30%
- As of 2023 \$84M in debt and \$220M facility

Legacy – Newmont JV²

- \$15M for 70% over 8 years
- **LGM option be 20% loan carried to production by NEM**
- Payments to come from production revenue

Greatland Gold Share Price 3 Year Period¹



79
Au

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

Black Range



ASX: LGM

Black Range¹

100% ownership of an 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 relinquished the ground in 1992 (year of the Cadia discovery)

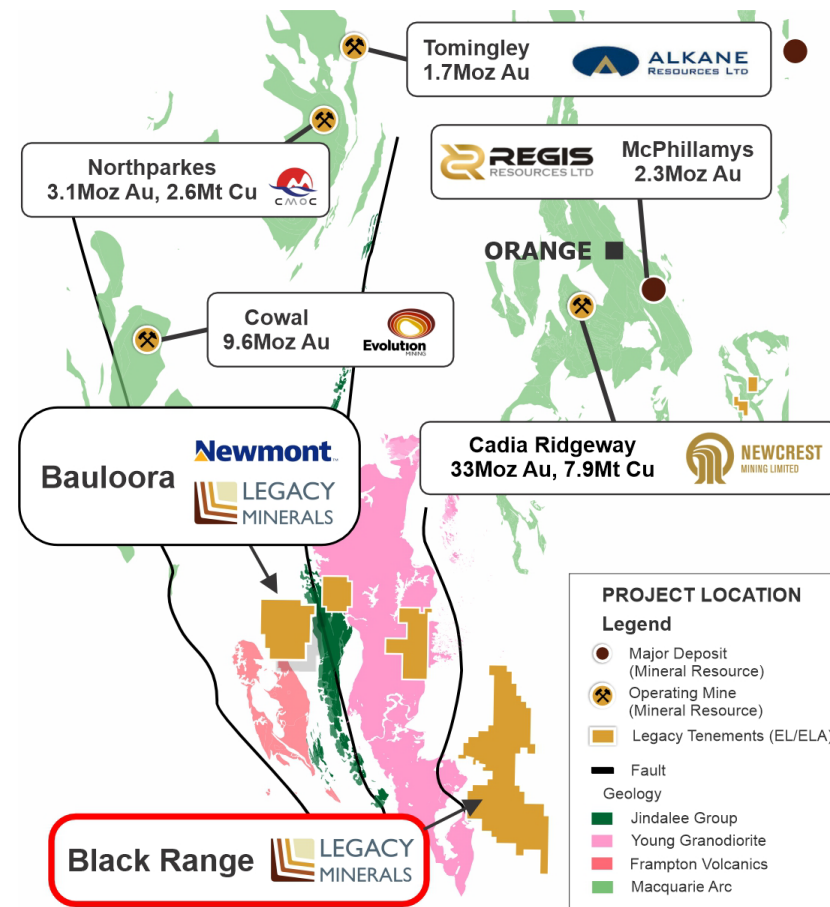
Why are we excited?

- 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

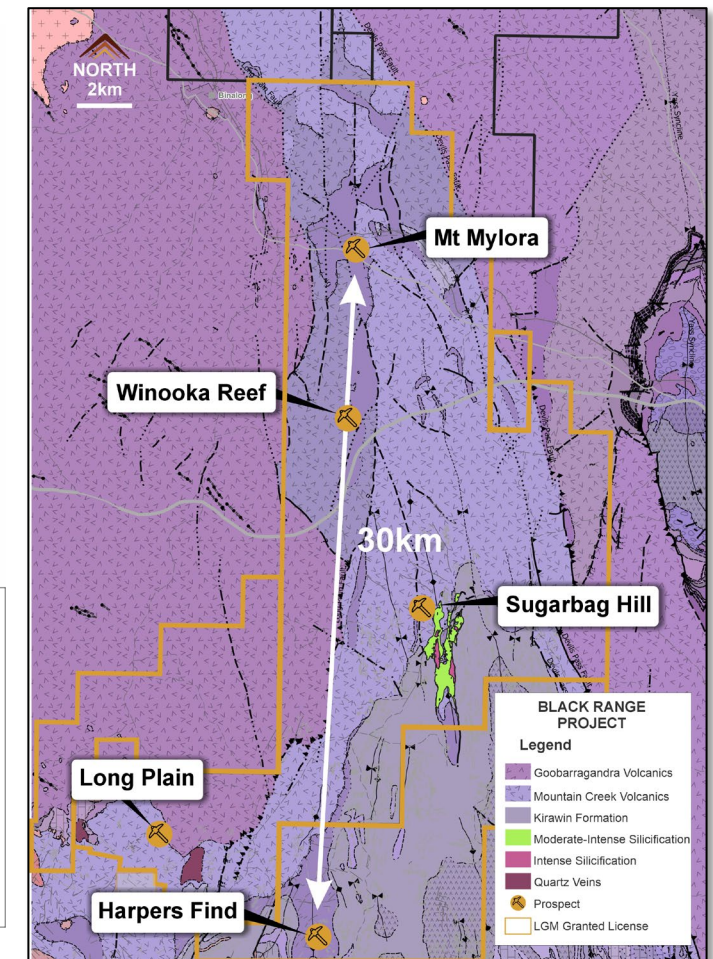
Systemic work with geology and terrain amenable to low cost, high impact exploration

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

Note: references on this slide can be located in the Appendix – Endnotes on Slides 21 and 22

Black Range

Sugarbag Hill Prospect – Exploration Underway



Figure 1. Aerial view of the Sugarbag Hill prospect (Looking North)

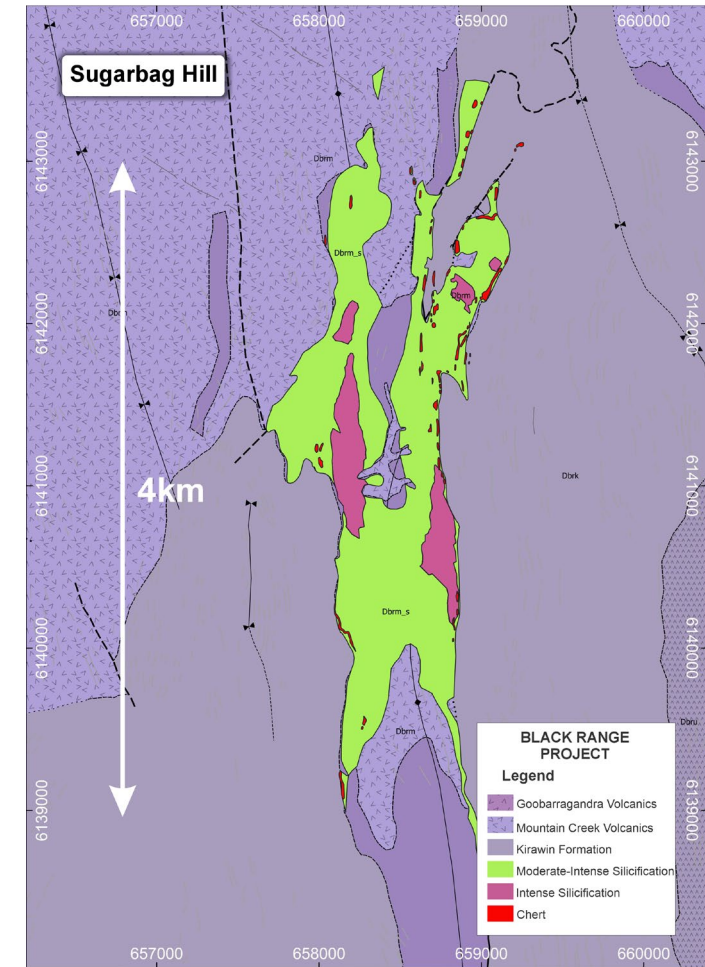
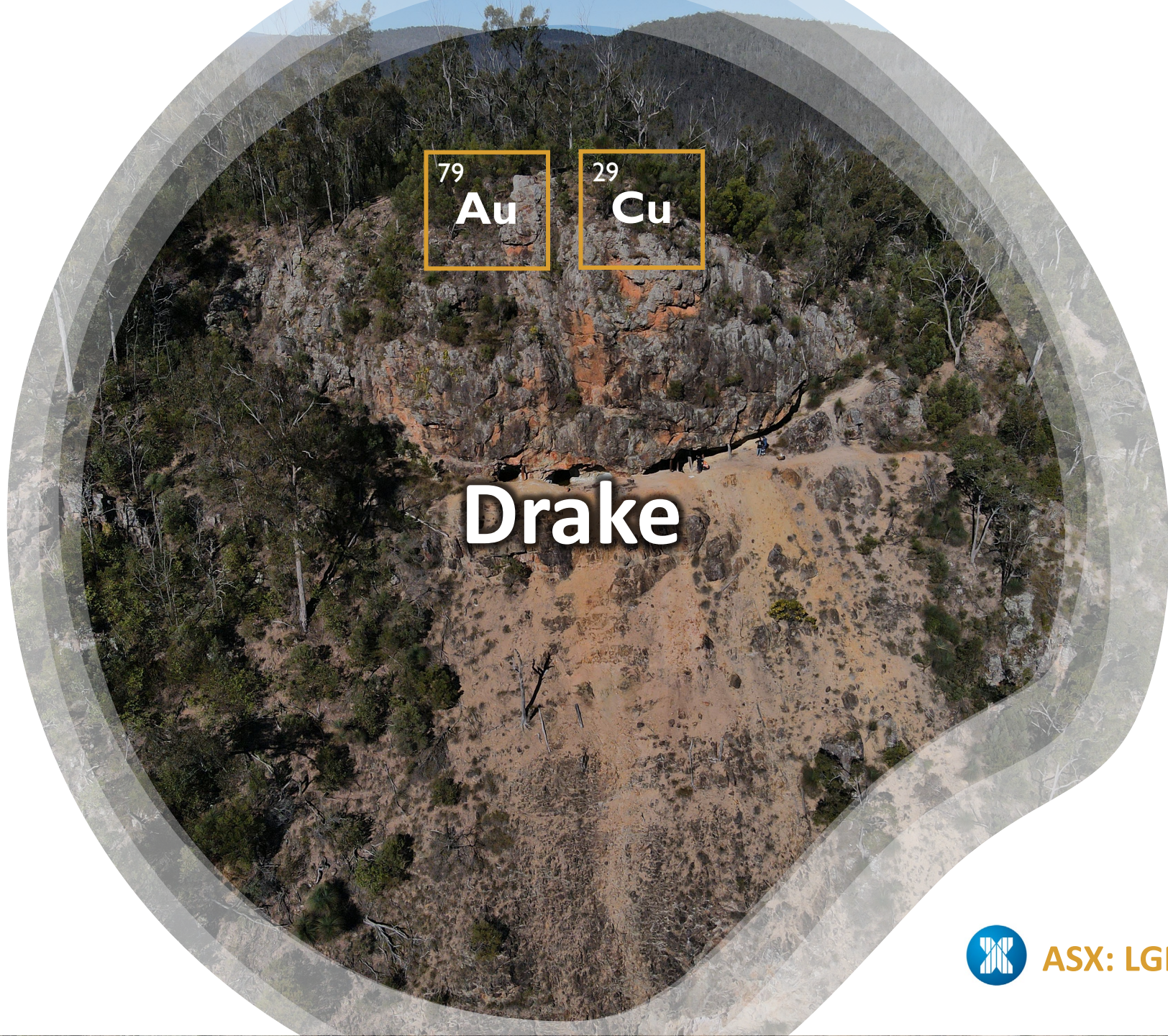


Figure 1. Plan view of the Sugarbag Hill prospect.



**‘Legacy’ project with new
copper-gold vision**



Drake Exploration License

Significant Discovery Opportunity

Transaction opportunity

\$200k unencumbered sale from White Rock Resources (WRM)

- **\$20-30M in project expenditure** by previous companies
- Completely surrounds the Mt Carrington MLs – 320kOz Au and 23Moz Ag of resources in existing open pit mines¹
- District scale pegging opportunity

Historical focus on mining has left behind great targets

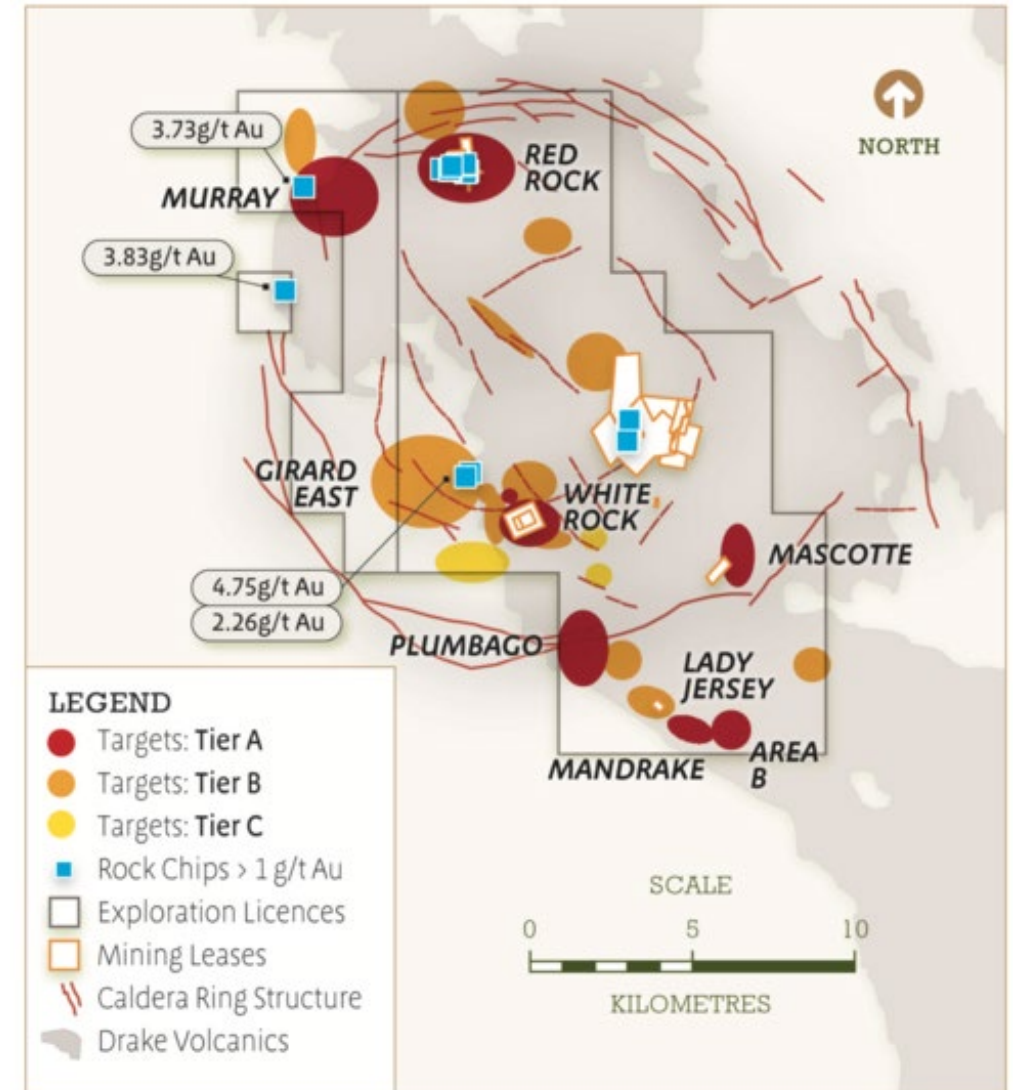
- ‘Legacy’ project with new exploration vision and approach

Significant project scale compared to global systems

- Prospective for LSE-ISE and PCD deposits
- Similar features in other magmatic arcs such as the Porgera Transfer Structure.

Copper upside

- **Extensive copper oxide potential across several kilometers**
- Drilling on the neighbouring mining license (WRM:ASX) includes:
 - **18.65m at 5.8% Cu from 52m** and
 - **10.1m at 7.26% Cu from 88m².**



Drake Regional Exploration Targets (2015 WRM ELs)³

At the head of the pack with artificial intelligence exploration

Earth AI Exploration Alliance



Realising value through strategic partners

Fontenoy: Ni-Cu-PGE

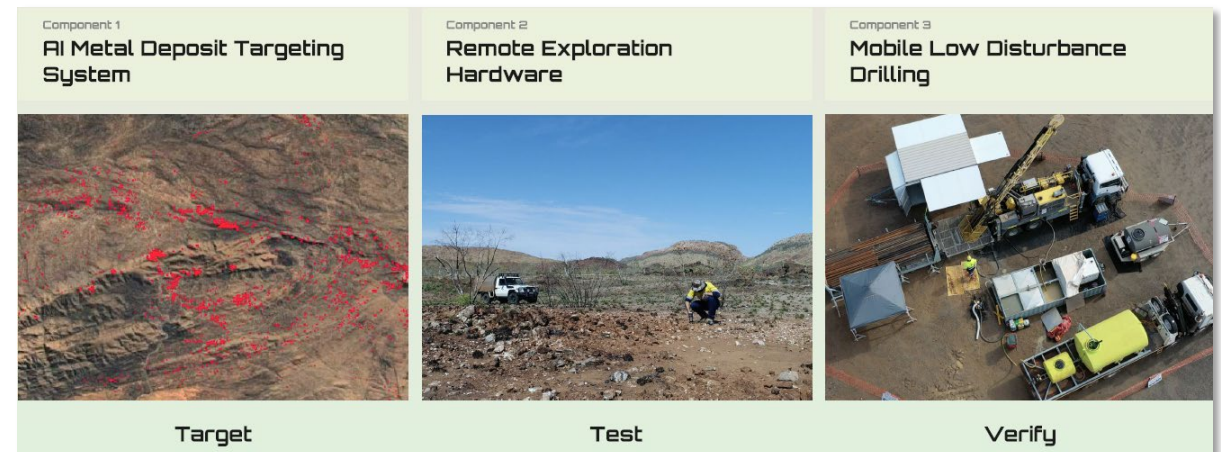
Widespread Cu-Au and Ni-Cu-PGE anomalism with limited drilling testing¹



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



Upcoming Works



Significant pipeline of exploration works



**LEGACY
MINERALS**

Sole funded discovery exposure

Q2
Black Range
Reconnaissance Field Work

Q2 - Q4
Black Range
Mapping and Geochem

Q3 - Q4
Black Range
*Advanced Spaceborne Thermal
Emission and Reflection*

Q2-Q3
Cobar
AEM Modelling

Q2 - Q3
Cobar
Geochem

Q3
Rockley
Geochem

- Follow up drill campaigns
- Follow up generative work





Newmont™

EARTH AI


Partnership funding
up to \$19.5M over 8 years

 **Q2**
Mee Mar
Drilling


Q2
Bauloora
Geophysics

Q2 – Q3
Bauloora
Geochem

Q3
Bauloora -
Aerial mag/rad

 **Q3-Q4**
Sinter Prospect
Drill Campaign

Q2-Q3
Fontenoy
Geochem

 **Q3**
Fontenoy
Drill Campaign



Why Legacy Minerals?



Immediate discovery
exposure – drilling Q3



Tier 1 Jurisdiction
Tier 1 Partner
Tier 1 Targets



Active exploration across
100% owned projects

CONTACT

ASX:LGM

Chris Byrne

CEO and Managing Director

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+61 (0) 499 527 547



ASX: LGM

Appendices – Endnotes



Slide 3, Slide 7, Slide 13 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: $\text{Ag Eq (g/t)} = \text{Ag (g/t)} + 33.48 \cdot \text{Pb (\%)} + 49.61 \cdot \text{Zn (\%)} + 80 \cdot \text{Au (g/t)}$ 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

Slide 8 1: LGM ASX: 29 August 2023 Large 500m x 500m Bulls-Eye anomaly defined at Bauloora

Slide 9: LGM ASX: 29 August 2023 Large 500m x 500m Bulls-Eye anomaly defined at Bauloora

Slide 10 1: LGM ASX: 15 February 2023 Significant new discovery at the Bauloora Epithermal Project; 2: LGM ASX: 21 NOV2022 New High-Grade Gold Assays Returned Across Bauloora

Slide 11 1: Greatland Gold, greatlandgold.com/wp-content/uploads/2023/08/2023.08.07-Greatland-Diggers-Dealers-Presentation.pdf, greatlandgold.com/wp-content/uploads/2022/09/22092022-GGP-Corporate-Update-Sep-2022-vfinal.pdf 2: ASX LGM: 5 April 2023 Newmont Farm-in at Bauloora Project

Slide 13 1: ASX 27 April 2023 Exploration underway at new low-sulphidation epithermal, NSW

Slide 14 1: ASX: LGM 27 April 2023 Exploration underway at new low-sulphidation epithermal

Slide 16 1: ASX: LGM 20 July 2023 Acquisition of District Scale Copper-Gold Epithermal Project 2: ASX: WRM 24 October 2022 High Grade Copper Target Identified at Mt Carrington, 3: ASX WRM 28 July 2015 Investor Presentation

Slide 18 1: ASX: LGM 22 June 2023 Nickel-Copper Sulphide and PGEs found at Fontenoy 2: ASX LGM 3 May 2022 Strategic Exploration Alliance with AI Explorer