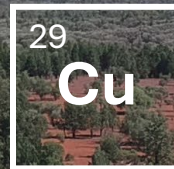
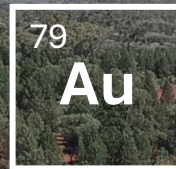




Drilling for a Breakthrough Discovery



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RSS Adelaide 4 April 2024

Disclaimer

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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.

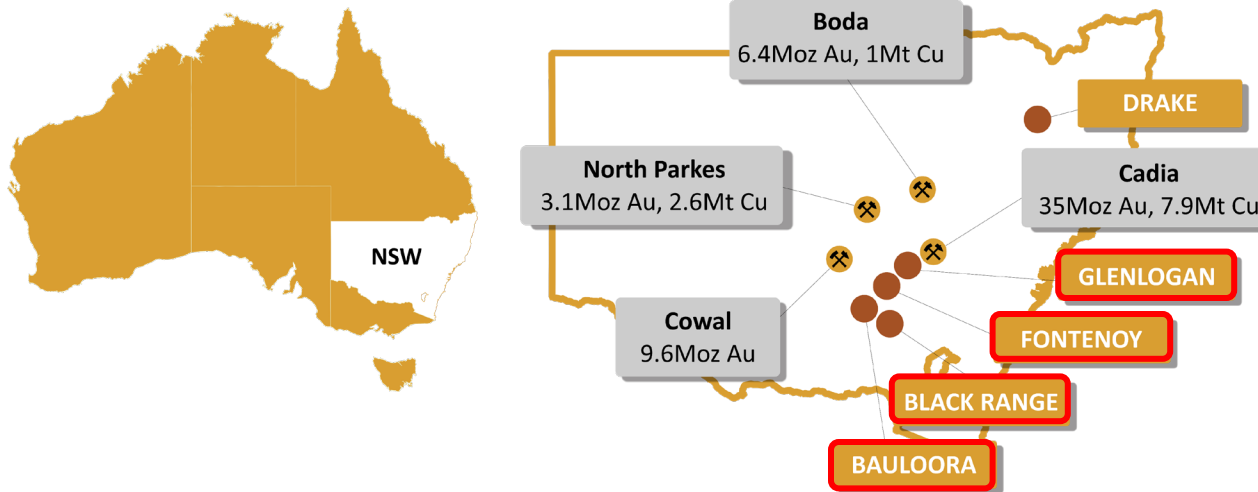
The information in this presentation that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Thomas Wall, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Wall is the Technical Director is a full-time 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.



Legacy Minerals Assets

Lachlan Fold Belt – A World Class Mining District



Map of central NSW showing Legacy Minerals tenements and geographical location of major mining and exploration projects in NSW^{1,2,3,4} (figures are expressed as mineral resources).

Drilling Campaigns in 2024

Black Range	Au-Ag	LGM 100%
Bauloora	Au-Ag	Newmont™
Fontenoy	Ni-Cu-PGE-Au	EARTH AI
Glenloghan	Cu-Au	S2R S2 Resources
Drake	Au-Cu	LGM 100%
Cobar, Rockley, Harden		LGM 100%

Drill Targeting



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 23 and 24

Company Overview¹

Share Price **\$0.15**



Market Cap
\$15.8M

Shares Outstanding
105M

Cash - 1 Jan 24
\$3.2M*

Debt
Nil

Top 20
46%

Joint Venture Funding
\$25.5M

Newmont

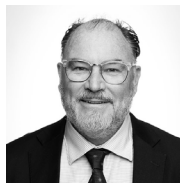
S2R
S2 Resources

EARTH AI

Board and Management



Dr David Carland
Non-Executive
Chairman



Matthew Wall
Non-Executive
Director



Douglas Menzies
Non-Executive
Director



Christopher Byrne
CEO and
Managing Director



Thomas Wall
Exploration Manager
and Executive Director



ASX: LGM

¹ At March 3 2024, *Pro-forma cash position post capital raise,

The Legacy Minerals Investment Case

Drilling for Breakthrough Discoveries

1. Multiple share price catalysts with a low market cap

- Targeting large gold and copper systems with 4 upcoming drill campaigns
- \$15.8M market cap means exposure to growth

2. Focused on gold and copper

- Significant tenure in Tier 1 Gold and Copper mining district

3. Invest with those who know

- Partnered with serially successful people and companies who have a track record of making and monetising discoveries, and successful mining operations

4. Clear strategy to deliver shareholder value

- 100% ownership of projects give shareholders direct upside to discoveries
- Partnerships minimise dilution and financing risk

5. Cash in bank and joint venture funding to deliver strategy



Bauloora Project, Mee Mar Prospect drill core (Newmont Farm-in Joint Venture)



Where partnerships have delivered significant returns

Newcrest JV at Havieron's delivered exceptional growth through discovery for Greatland Gold shareholders

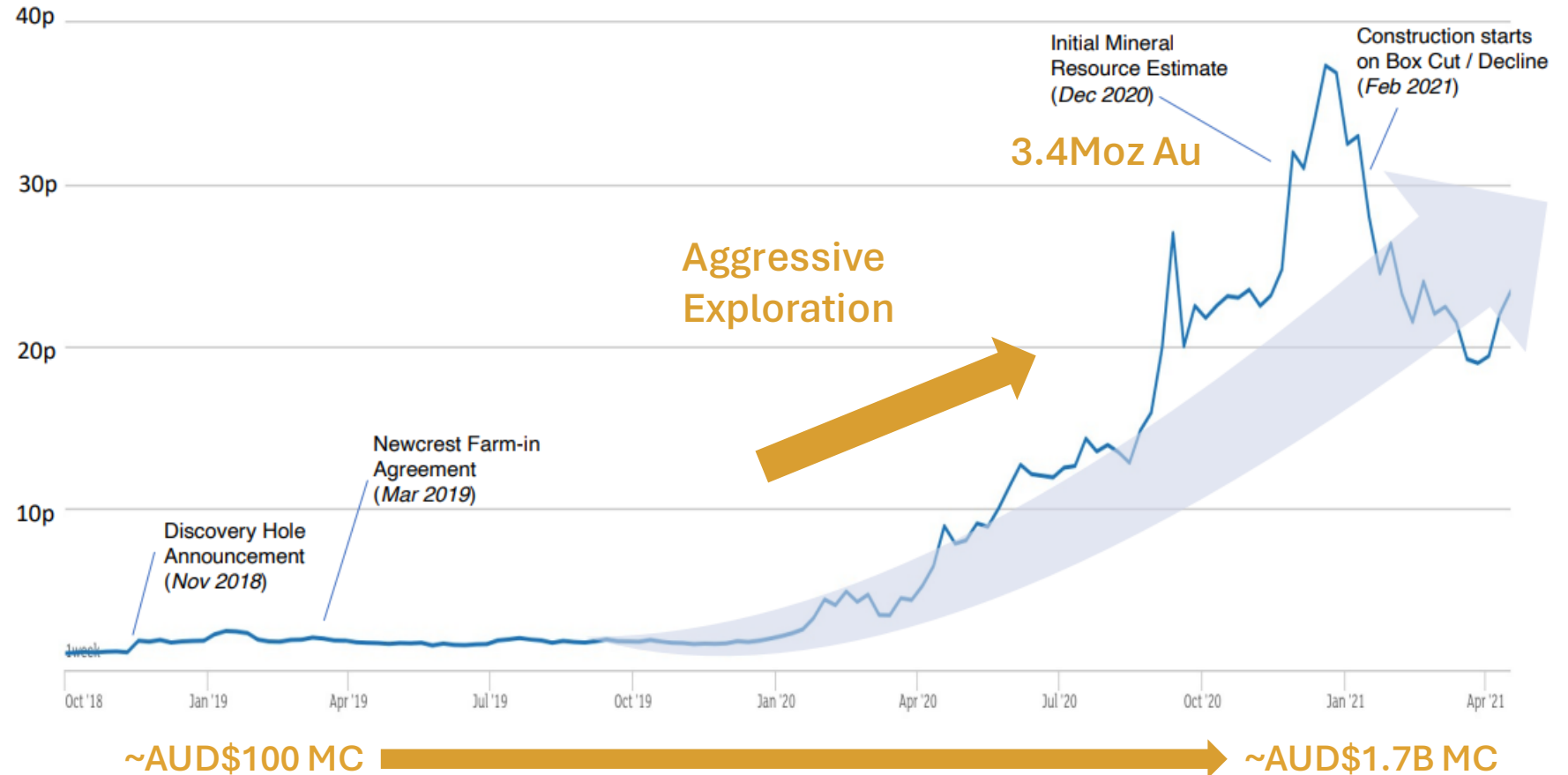
Greatland – Newcrest JV¹

- \$60M for 70% over 7 years
- Greatland to fund its 30%
- As of 2023 ~\$300M in debt/debt facility

Legacy – Newmont and S2R JV²

- ✓ JV's ensure sufficient funding to deliver potential discovery's
- ✓ LGM option for 20% loan carried to production
Payments to come from production revenue

Greatland Gold Share Price 3 Year Period (> x 10)



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23

Black Range

Drilling a high-grade gold target



Black Range

100% ownership of a large underexplored epithermal system

District scale control – 905km² license

- **Newcrest** were the last to complete significant exploration over **30 years ago**¹
- Newcrest relinquished the ground in 1992 (Cadia discovery)¹

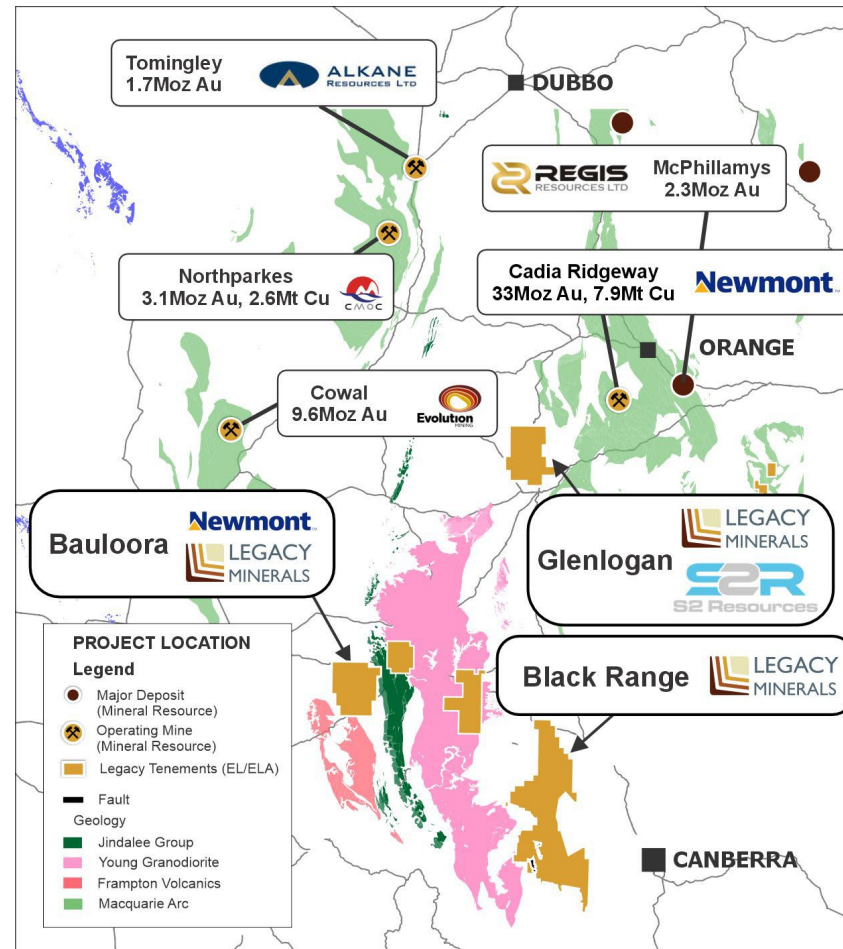
Why is it a compelling project?

- Preservation and **widespread Au anomalism (Sugarbag Hill)**
- 65km from Bauloora with clear parallels between the two systems
- Newcrest dated Black Range to be the same age mineralisation as Bauloora¹

Upcoming news flow

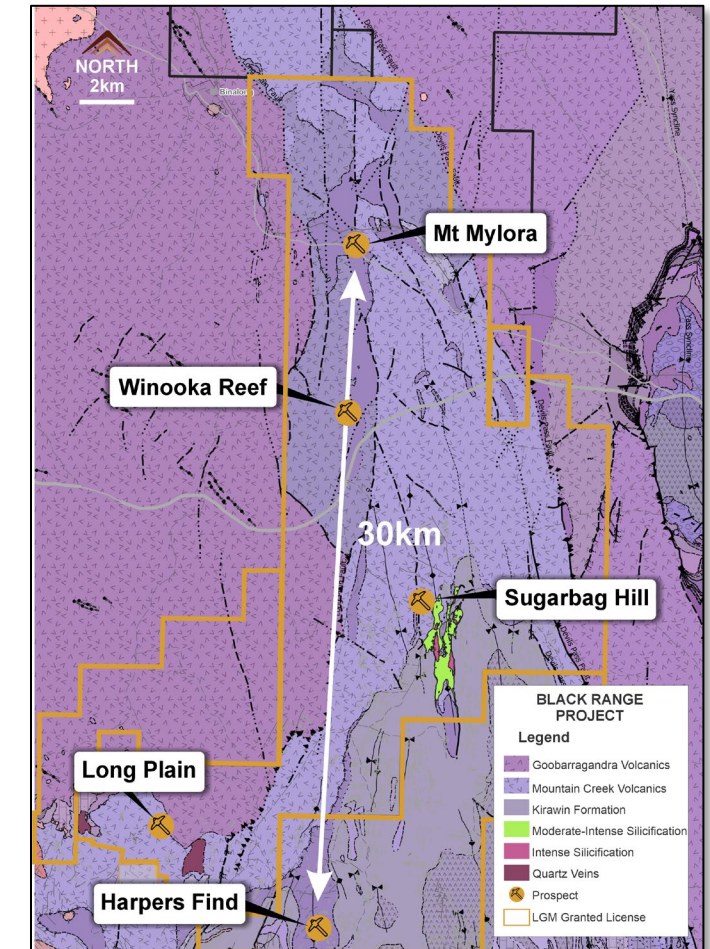
- **Drilling to commence imminently**

Black Range Project



Regional Setting of the Black Range project and nearby operations^{2,3,4,5,6}

Main Prospects



Black Range EL with solid geology showing major prospect



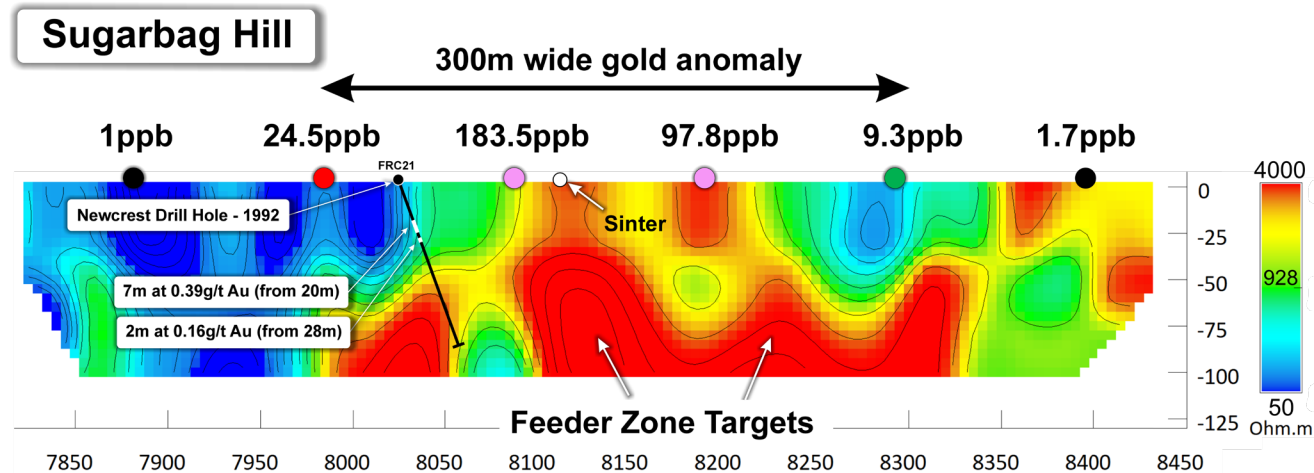
ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23

Targeting High Grade Gold

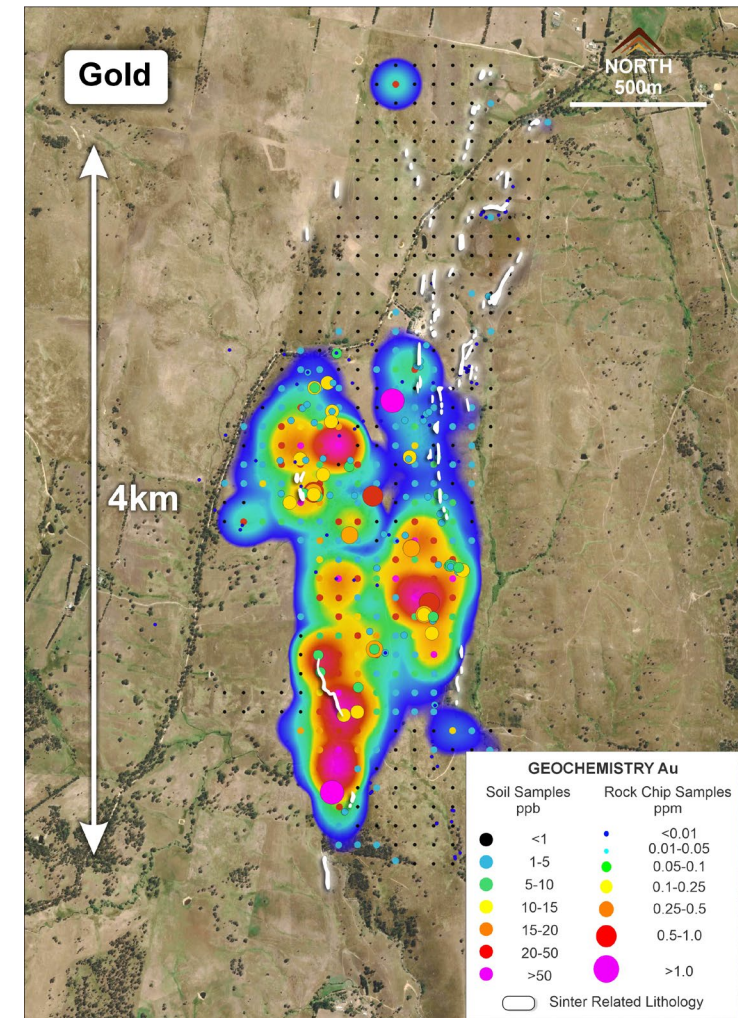
Undrilled coincident pathfinder element targets

- The latest soil sampling results at Sugarbag Hill have mapped¹:
 - A **3.5km x 1.2km zone** of elevated low-sulphidation epithermal Au-Ag pathfinder elements
 - 2.2km long gold trend >20ppb Au (up to 296ppb Au).**
- First pass rock chip sampling has returned **up to 2.27g/t gold and 29.6g/t silver¹.**



Last drilling in 1992 when gold was A\$500/oz

- Newcrest drilling did not hit the interpreted high-grade feeding zones
- Legacy Minerals will test this target for the first time this month



Sugar Bag Hill Gold in Soils¹



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23

Bauloora

Large scale programs underway and fully funded



Bauloora

Targeting a Tier-1 Epithermal Deposit

Upcoming drilling campaigns

- Ongoing discovery exposure

Newmont Joint Venture (\$15M)¹

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

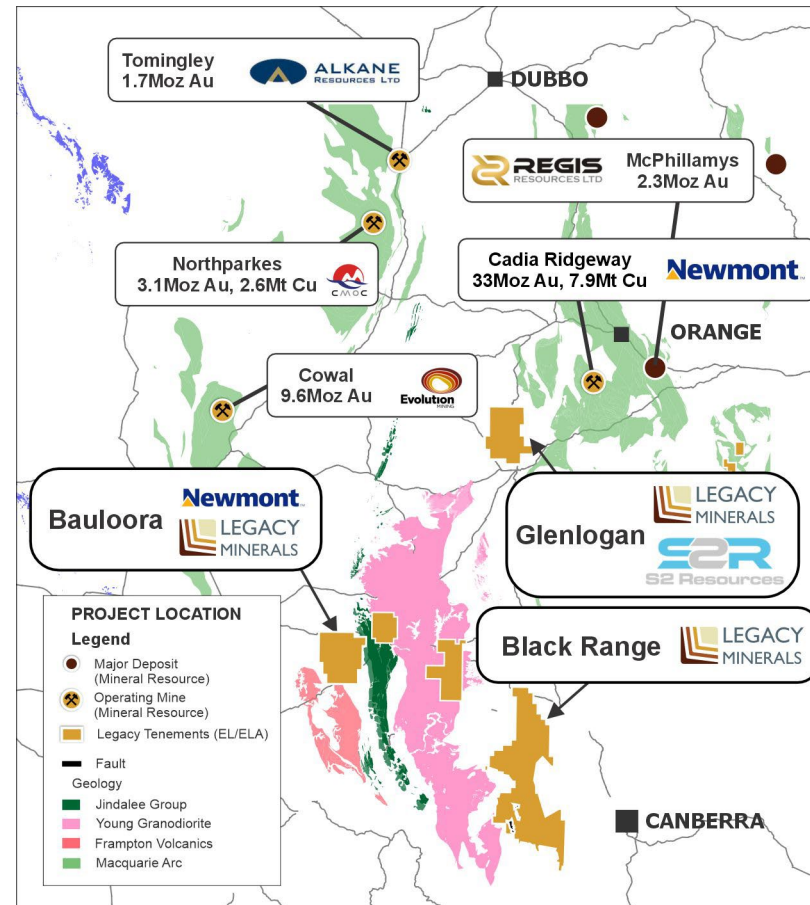
District scale control – 330km² license

- Alteration across 150km² zone²
- 27km² low sulphidation vein field

High-Grades and Extensive Veining

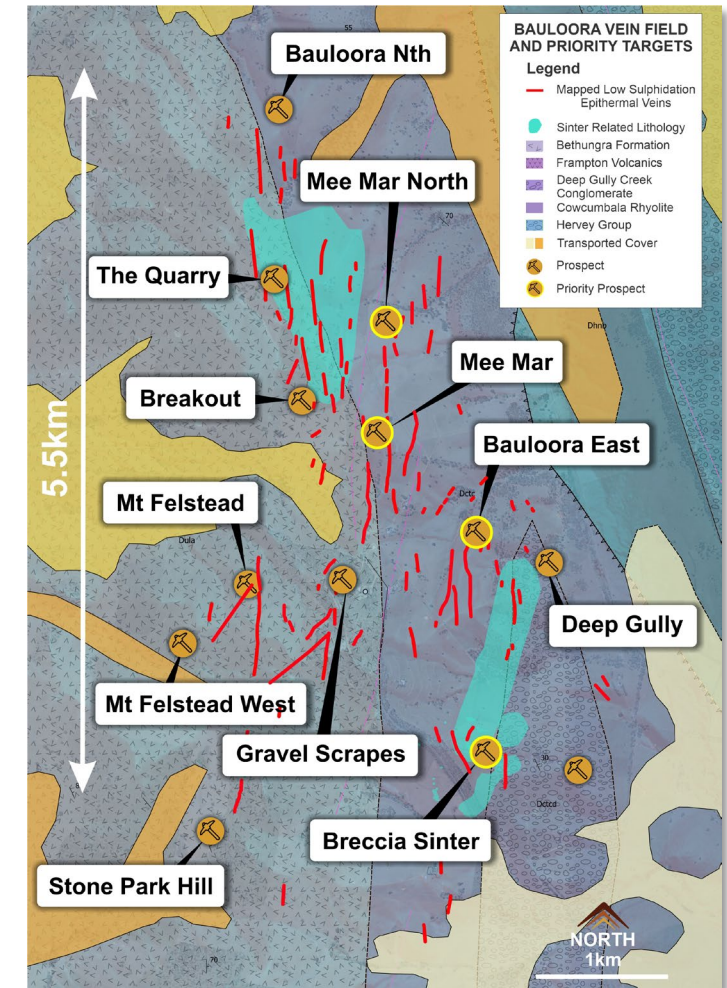
- High-grade gold, silver and base metals
- Veins up to 3m wide at surface for >2km

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)²

27km² Primary Vein Field



Current combined extent of low-sulphidation epithermal-style textured veins and sinter related lithology²



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 23 and 24

Unpacking a district scale gold system

Large scale, fully funded generative works¹

- Audio Frequency Magnetotelluric Survey (AMT)
- Ground Gravity Survey
- Geochemical Surveys
- Geological Mapping
- Airborne Aeromagnetic and Radiometric survey
- BLEG stream sediment sampling



Ground crews conducting AMT survey, Jan 2024

High-grades across a wide area²

The Mt Felstead Prospect (2022 drilling):

- 9m at 2.0g/t Au, 28.4g/t Ag, 0.16% Cu, and 9.87% Zn + Pb from 145m
- **3,701g/t Ag, 6.9g/t Au, 6.4% Cu, and 55% Pb+Zn** (underground face sample)

The BlueCap Prospect (2023 drilling):

- 6m at 3.56g/t Au, 10.95g/t Ag, 0.22% Cu and 6.47% Pb+Zn (from 57m)

The vein field with rock chips across ~15km² up to 55.5g/t Au and 904g/t Ag.



Aims to deliver multiple Tier-1 drill ready targets



Secured funding under farm-in and earn in



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 23 and 24

Fontenoy

Artificial Intelligence PGE-Ni-Cu Discovery



EARTH AI



Reaping the reward of Artificial Intelligence

EarthAI Strategic Alliance

Discovery Drillhole – February 2024¹

- **34m at 0.5g/t 3E PGE*** including a higher grade zone of:
- **10m at 1.2g/t 3E PGE, 0.2% Ni and 891ppm Cu** from 388m down-hole.

Unlocked potential for magmatic-related PGE-Ni-Cu

- Deposit styles such Nova-Bollinger (IGO) and Julimar (Chalice)^{2,3}.

PGE's and Nickel listed as Critical and Strategic Minerals

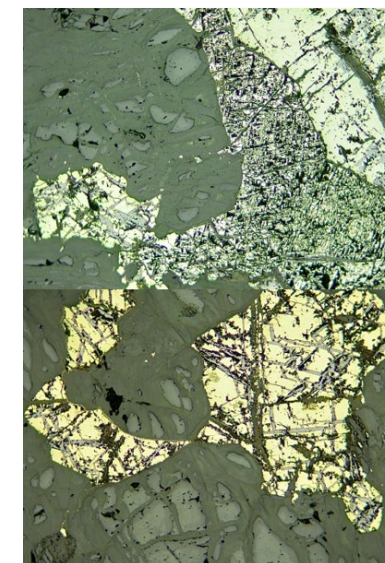
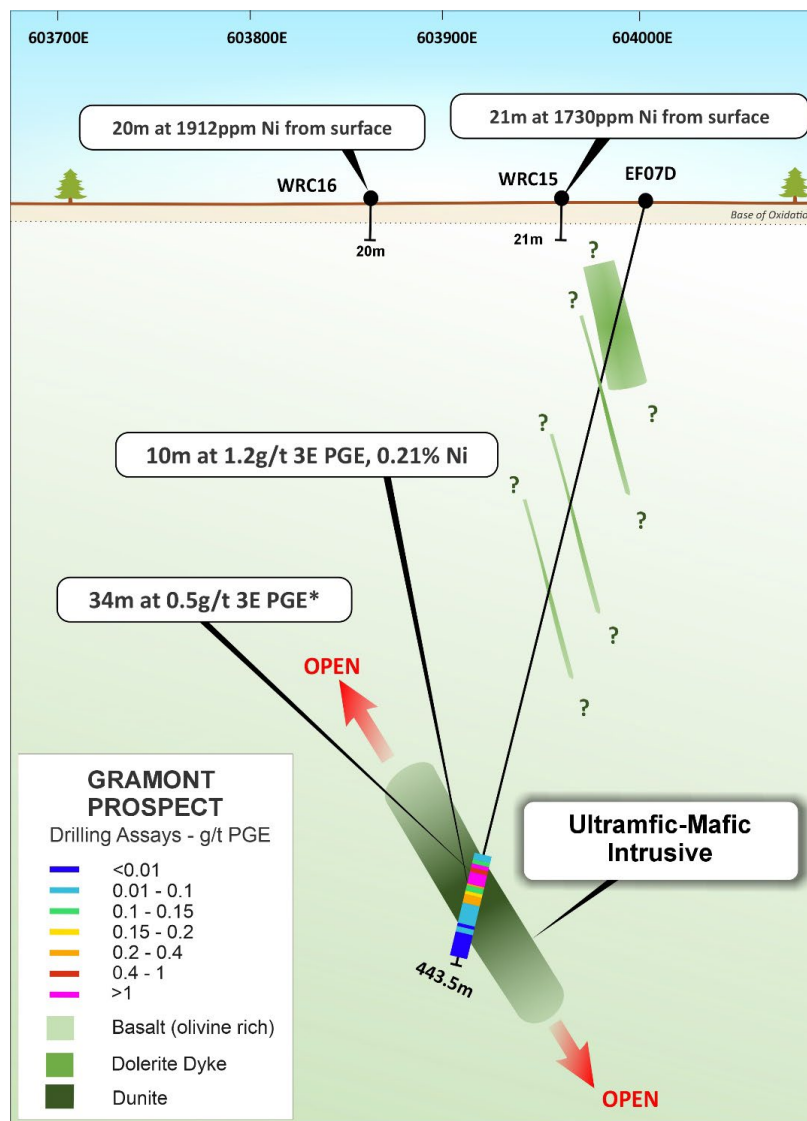
- Their value, rarity and strategic importance underpin the value for shareholders

Shareholders are exposed to cutting edge AI

- Strong potential to make further discoveries

Further drilling planned

- Upcoming drilling to test the system



Disseminated interstitial Ni-Cu-Fe sulphides and photomicrograph (field of view 1mm across) of the mineralisation (composed of bronze pentlandite, yellow chalcopyrite and brown pyrrhotite).



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23

Artificial Intelligence Driven Discovery

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

1

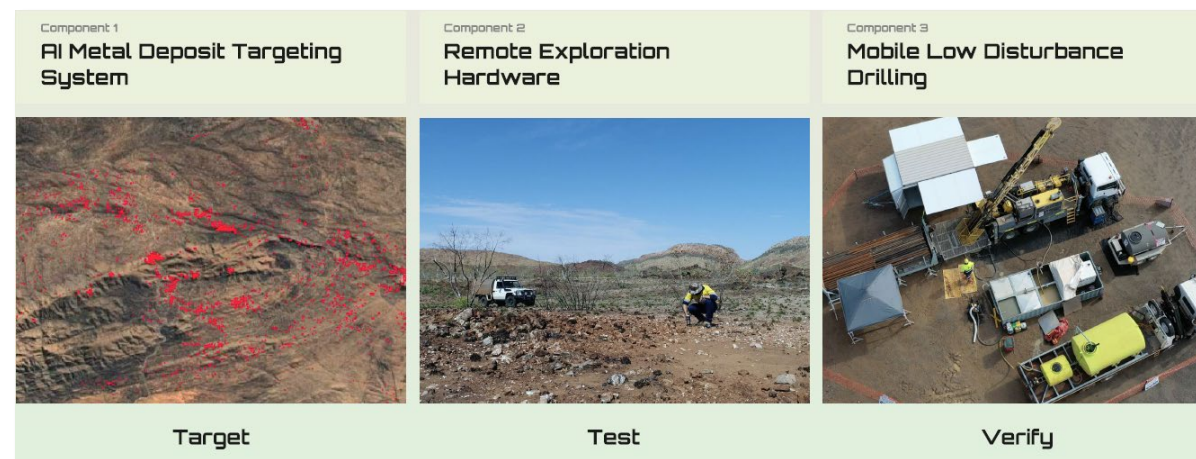


Location of NSW's mafic units and major projects and transactions in 2023.

Earth AI

Strategic Alliance putting LGM at the exploration forefront¹

- 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 qualifying intercept
- LGM retain 100% ownership of project



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23

Glenlogan

A Tier-1 Cu-Au porphyry target



Targeting a Copper-Gold Porphyry Giant

Partnership with S2 Resources

Tier-1 Cadia-style porphyry target

- Planning underway for testing the target in 2024

Rio Tinto did not drill test

- Rio Tinto last held in the ground in 1994 and did not drill test the target due to modelled target depth of 800m¹

Modern geophysical breakthrough

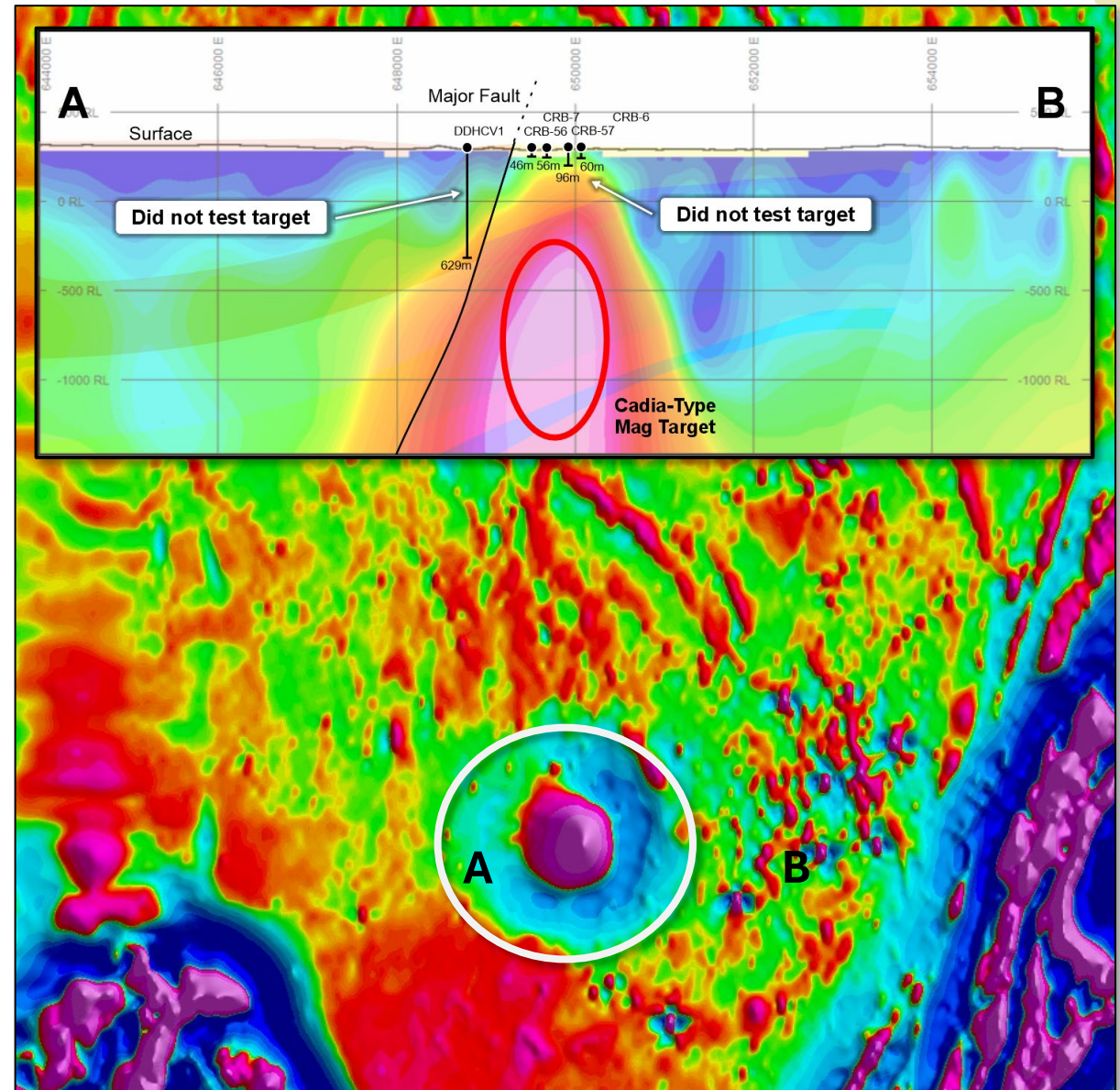
- Modern technology has shown the target is much shallower than previously thought (~500m), and well within economic mining depths²

Significant stake retained by LGM

- LGM may contribute or dilute from 30% ownership
- Option to have a 20% interest loan carried to production²

Partnership with a quality exploration company

- S2 Resources led by Dr Mark Bennet with by Mark Creasy as major shareholder



Note: references on this slide are in the Appendix – Endnotes on Slides 22 and 23



Drake

Extensive Underexplored Cu-Au mineral system



Unlocking a massive Gold-Copper system

'Legacy' project with new exploration vision and approach

- Historical focus on mining has left behind great targets

An untested copper opportunity

- Extensive copper oxide potential across several kilometers
- Drilling includes:
 - 18.65m at 5.8% Cu from 52m and 10.1m at 7.26% Cu from 88m¹.

What's Legacy Minerals Strategy?

- A holistic district scale approach that will utilise modern technology

Transaction

\$190k unencumbered sale from White Rock Resources (WRM)²

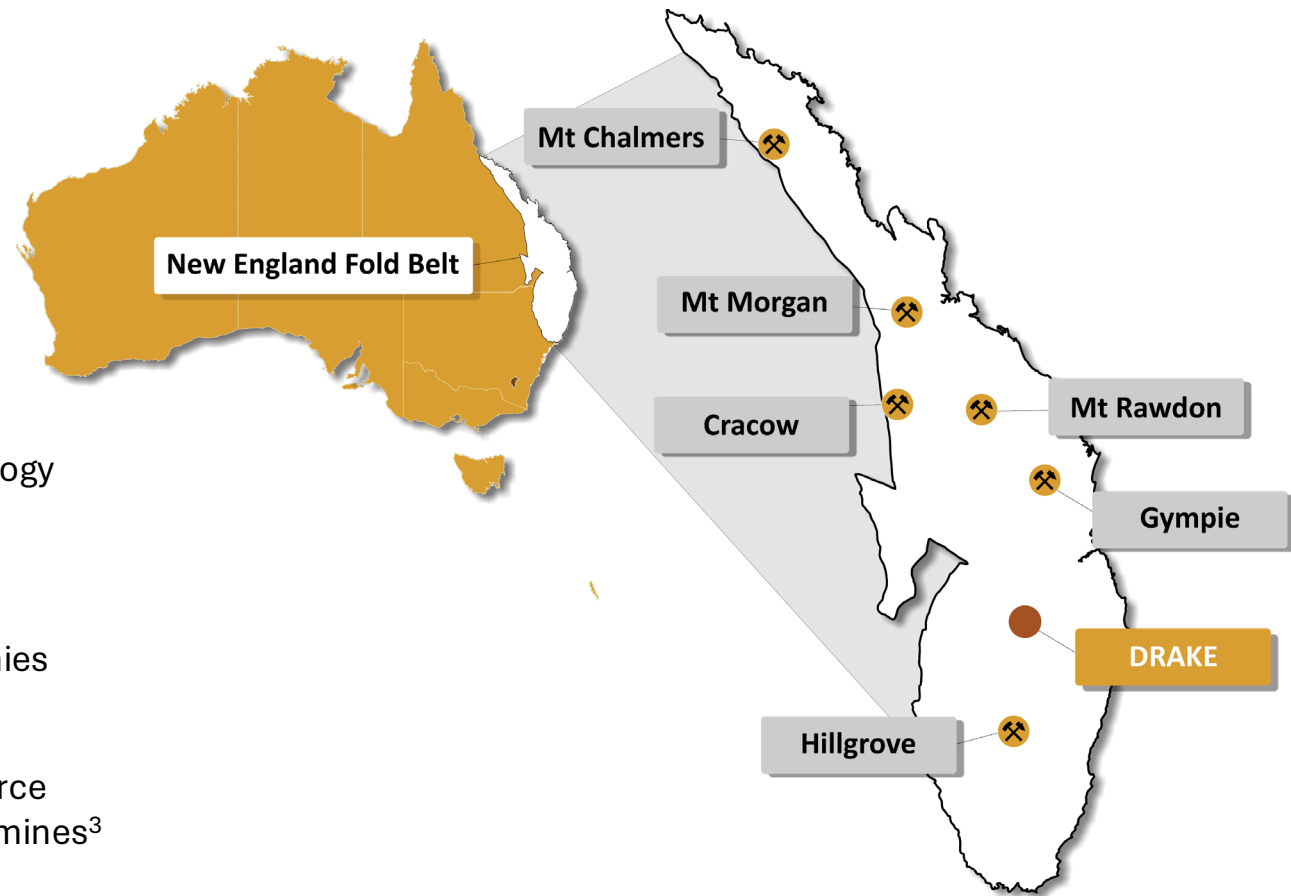
- **Estimated \$20-30M in project expenditure** by previous companies

Resources

- Exploration License Application and Exploration Licences Resource
 - 320kOz Au and 23Moz Ag of resources in existing open pit mines³

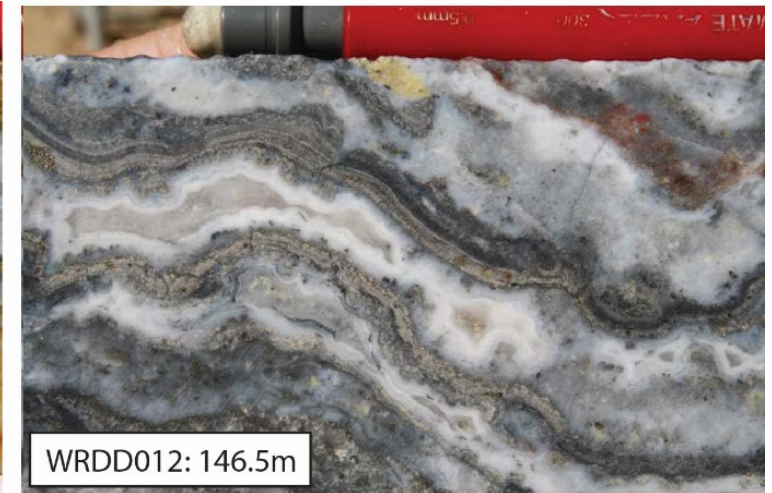
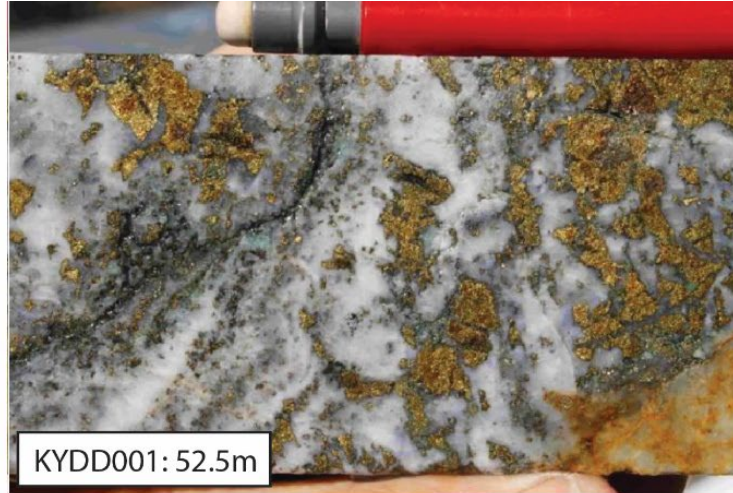
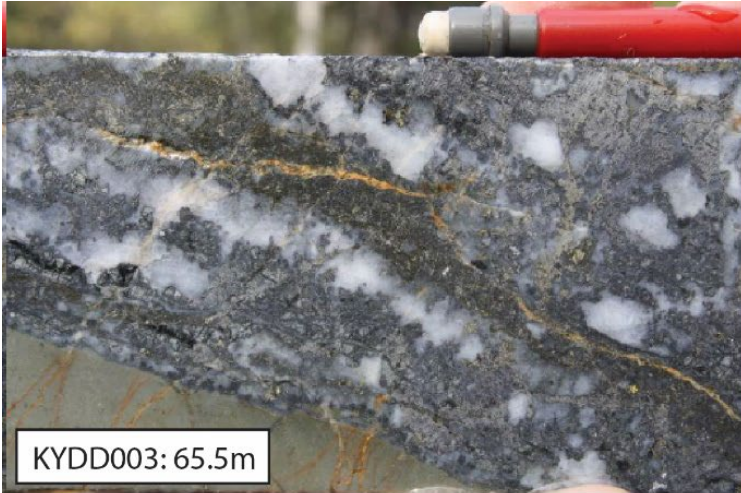
Significant project scale compared to global systems

- Prospective for epithermal and porphyry deposits
- Similar features to world class deposits such as Porgera, PNG⁴



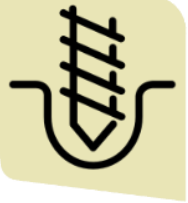
Extensive high-grades demonstrate potential

Why we are here: right grades and right textures



- **8m at 16.92g/t Au**, 17g/t Ag, 0.53% Cu, 1.45% Pb and 6.89% Zn, from 52m (RED003)¹
- **118m at 1.71g/t Au**, 6.9g/t Ag, 0.1%Cu and 1.12% Zn from 2m (KYDD003)²
- **16m at 5.8% Cu** from 58m and **10.1m at 7.26% Cu** from 88m (KYDD001)³
- **26.5m at 220g/t Ag** and 0.1g/t Au from 133.3m (MODD004)⁴

Examples of epithermal vein textures from drill holes KYDD003 at 65.5m, WRDD012 at 120m and 146.5m and interpreted porphyry D-veins in KYDD001 at 52.5m (Comments on Exploration at the Drake Project, Corbett Geological Consulting)



Drilling across multiple projects



Focused on gold and copper



**Secured funding with
multiple price catalysts**



The right connections

Christopher Byrne *CEO and Managing Director*
chris.byrne@legacyminerals.com.au +61 (0) 499 527 547

Appendices – Endnotes

Slide 3, Slide 8, Slide 11 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
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 and Ridgeway, NSW (2023) (Newmont Corporation)	35Moz Au, 7.9Mt Cu	0.30Moz Au, 0.041Mt Cu	30.98Moz Au, 6.97Mt Cu	4.06Moz, 0.91Mt Cu
Cowal, NSW (Evolution Mining Limited)	9.618Moz Au	0.367Moz Au	7.33Moz Au	1.92Moz Au
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 6: 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 8: 1: 1992 Newcrest Mining Limited (R00001533) License 3137 Goondah

Slide 9: 1 ASX LGM: 23 October 2023 Large 2.2km Long Gold Anomaly defined at Black Range, 2 ASX LGM: 11 October 2023 Widespread Silica Sinter Confirmed at Black Range. ASX LGM: 1 NOV 2023 High Conviction Drill Targets Defined at Black Range

Slide 11: 1: ASX LGM: 5 April 2023 Newmont Farm-in at Bauloora Project, ASX LGM 2: ASX LGM 27 April 2023 Exploration underway at new low-sulphidation epithermal, NSW

Slide 12: 1: ASX LGM 1 FEB 2024 Significant Exploration Programs Underway at Bauloora 2: ASX LGM: 16 June 2022 High-Grade Silver, Gold Drill Results, Met-Testing Underway, Legacy Minerals Prospectus, dated 28 July 2021, ASX LGM: 10 May 2023 Drilling Assays Confirm New Epithermal Discovery at Bauloora, ASX LGM: 21 November New High-Grade Gold Assays Returned Across Bauloora

Slide 12: 1 ASX LGM: 1 February 2024 Significant Exploration Programs Underway at Bauloora

Slide 14: 1: ASX LGM 26 February 2024 Artificial Intelligence makes Magmatic PGE-Ni-Cu Discovery, 2: ASX LGM IGO Ltd, <https://www.igo.com.au/site/operations/nova> 3: Chalice Mining Limited, <https://chalicemining.com/gonneville/>

Slide 15: ASX LGM 3 May 2022 Strategic Exploration Alliance with AI Explorer

Slide 17: 1: Rio Tinto Exploration Pty. Limited, EL5226 Cowra 8 Final Report Bathurst SI55-08 NSW, Australia, October 1997, 1: ASX 9 November 2023 Major Untested Porphyry Cu-Au Target Defined at New Project

Slide 19: 1 ASX WRM: 24 October 2022 High Grade Copper Target Identified at Mt Carrington, 2 ASX LGM: 20 July 2023 Acquisition of District Scale Copper-Gold Epithermal Project, 3:, 4: World Gold, Pacific Rim Epithermal https://corbettgeology.com/wp-content/uploads/2016/07/corbett_pacific_rim_epithermal_au.pdf

Slide 20: 1: ASX TMZ Release: 24 Oct 2022, High-Grade Copper Target Identified at Mt Carrington Six Annual Report for Period Ending September 15 2: 1992 EL 2662 (Drake) R00000410, CRAE 3: Prospectus is issued by White Rock Minerals Ltd (“White Rock”) dated 20 August 2010, ASX TMZ Release: 24 October 2022, High Grade Copper Target at Mt Carrington, 4: ASX WRM Release: 14 September 2012, Annual Report to shareholders



Appendices – Endnotes (continued)

Drake Mineral Resource Estimate as at 26 March 2024

Deposit	Resource Classification	Grade					Metal			
		Tonnes (Mt)	Au (g/t)	Ag (g/t)	Zn (%)	Cu (%)	Au (koz)	Ag (koz)	Zn (kt)	Cu (kt)
Strauss (ELA)	Indicated (JORC 2012)	2.2	1.48	1.74	0.49	0.08	105	123	10.7	1.7
	Inferred (JORC 2012)	1.36	0.69	1.81	0.33	0.06	30	79	4.4	0.9
Kyro (ELA)	Indicated (JORC 2012)	2.14	1.25	1.35	0.19	0.04	86	93	4.1	0.8
	Inferred (JORC 2012)	0.3	0.41	1.17	0.18	0.05	4	11	0.5	0.1
Sub-Total		6	1.17	1.59	0.33	0.06	225	306	19.8	3.5
Red Rock (ELA)	Inferred (JORC 2004)	1.63	1.6	2.2			54	182		
Guy Bell (ELA)	Inferred (JORC 2004)	0.16	2.5	4.9			13	24		
Sub-Total		1.79	1.2	3.6			67	206		
Lady Hampden	Indicated (JORC 2004)	1.84	0.6	69			37	4056		
	Inferred (JORC 2004)	2.47	0.3	51			27	4023		
White Rock (ELA)	Indicated (JORC 2004)	1.71		77				4214		
	Inferred (JORC 2004)	2.66		47				3978		
White Rock North (EL)	Inferred (JORC 2004)	3.18		52				5314		
Silver King (ELA)	Inferred (JORC 2004)	0.64		59				1218		
Sub-Total		8.95	0.1	51			64	22803		
Total (JORC 2012 + JORC 2004)		16.74					356	23315		

The Strauss and Kyro Mineral Resources have been estimated using a gold cut-off of 0.3g/t Au and 25g/t Ag, 0.1% Cu, 0.1% Pb, and 0.1% Znⁱⁱ. The Guy Bell Mineral Resource has been estimated using a cut-off of 0.5g/t Au and Red Rock has been estimated using a 0.7g/t Au cut-off. Silver dominant Mineral Resources (Lady Hampden, White Rock, White Rock North, and Silver King) have been estimated using a cut-off of 25g/t Ag. The Red Rock, Guy Bell, Lady Hampden, White Rock, White Rock North, and Silver King Mineral Resources was prepared and reported in accordance with the JORC Code (2004). The Resources figures have not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reportedⁱⁱⁱ.

