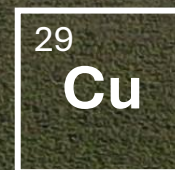




Forging a leading resources company.



28 August 2024

Chris Byrne, *CEO & Managing Director*
chris.byrne@legacyminerals.com.au +61 499 527 547

Australian
Gold Conference

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.

Additionally, Legacy Minerals makes no representation or warranty, express or implied, in relation to, and no responsibility or liability (whether for negligence, under statute or otherwise) is or will be accepted by Legacy Minerals or by any of their respective officers, directors, shareholders, partners, employees, or advisers as to or in relation to the accuracy or completeness of the information, statements, opinions or matters (express or implied) arising out of, contained in or derived from this presentation or any omission from this presentation or of any other written or oral information or opinions provided now or in the future to any interested party or its advisers. In furnishing this presentation, Legacy Minerals undertakes no obligation to provide any additional or updated information whether as a result of new information, future events or results or otherwise. Nothing in this material should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities. It does not include all available information and should not be used in isolation as a basis to invest in Legacy Minerals.

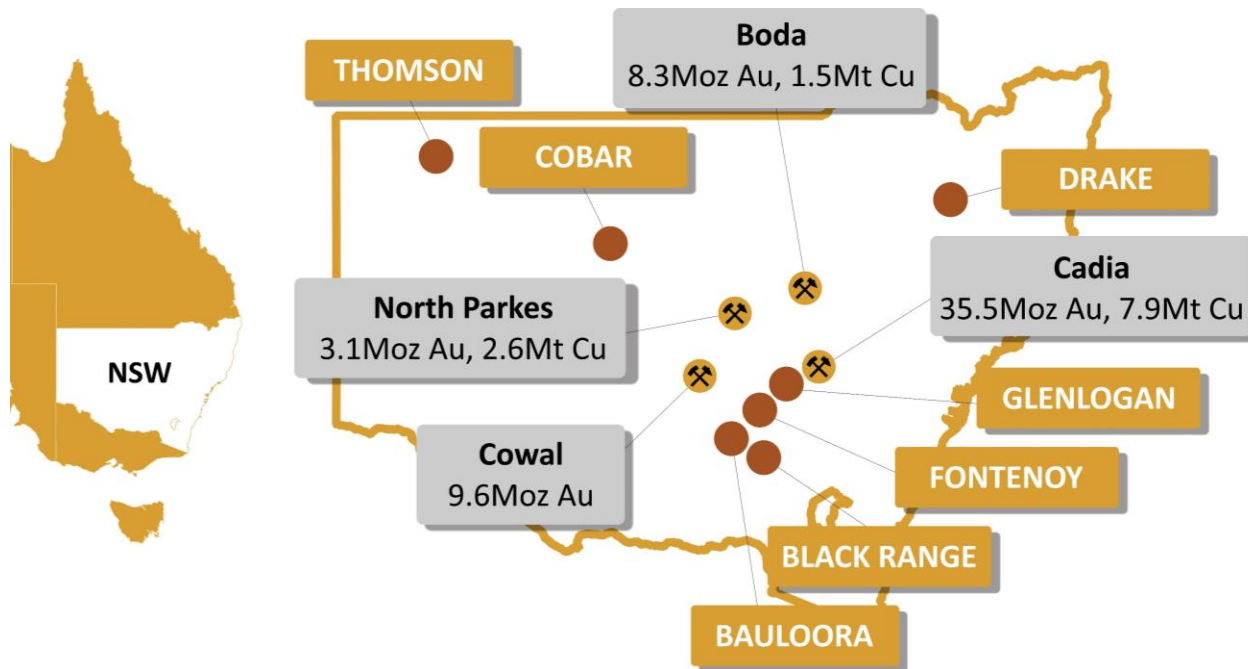
This presentation contains exploration results and historic exploration results as originally reported the Company's Prospectus dated 28 July 2021 and released 9 September and subsequent ASX market announcements. The Company confirms that it is not aware of any new information that materially affects 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.



A premier gold, silver and copper portfolio



Map of NSW showing Legacy Minerals tenements and geographical location of major mining and exploration projects in NSW¹ (figures are expressed as mineral resources).

100% Owned Projects -7,067km²

Thomson, Drake, and Black Range

Joint Venture Projects -1,070km²

Bauloora, Fontenoy, Glenloghan, Cobar

Newmont

S2R
S2 Resources

EARTH AI

HELIIX
RESOURCES LIMITED

Why New South Wales?

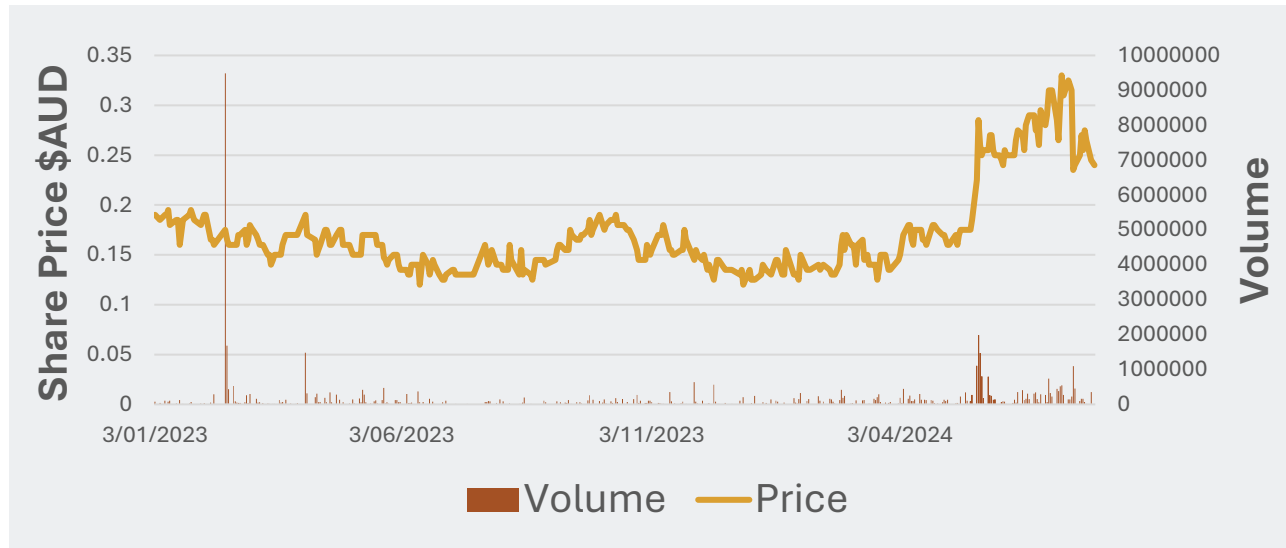
- Home to Australia's largest gold mine (Cadia) and continued discovery success e.g. Achilles (AGC:ASX), Spur (WTM:ASX)
- Potential validated by global mining company investment
 - **\$300M in joint venture deals across NSW in the last 16 months**



ASX: LGM

Legacy Minerals at a glance

Share Price **\$0.205** **Market Cap** **\$22M**



Shares
105M

Top 20
46%

2024 Drill Campaigns
6 across 5 Projects

Cash – 31 Mar
\$3.2M

Cash – 30 Jun
\$3.0M

Debt
Nil

Joint Venture Funding
\$28.3M

Newmont

S2R
S2 Resources

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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

Strategy to deliver shareholder value



Acquiring, discovering, and developing high quality gold, copper, and silver projects

Discovery

Active drilling and targeting

Focussed on gold, silver, and copper

Looking for Tier-1 Type Deposits

Acquisitions

Low-cost acquisitions

Growth opportunities

Diverse mix of early stage (Thomson) and advanced projects (Drake)

Partnerships

Non-dilutive discovery exposure

\$28M secured in earn-in agreements to date

Ongoing, multiple discovery catalysts

Thomson

Belt scale exploration opportunity



ASX: LGM

Discovery Opportunity

Belt-scale exploration opportunity

Confirmed Intrusion related Au-Cu Potential

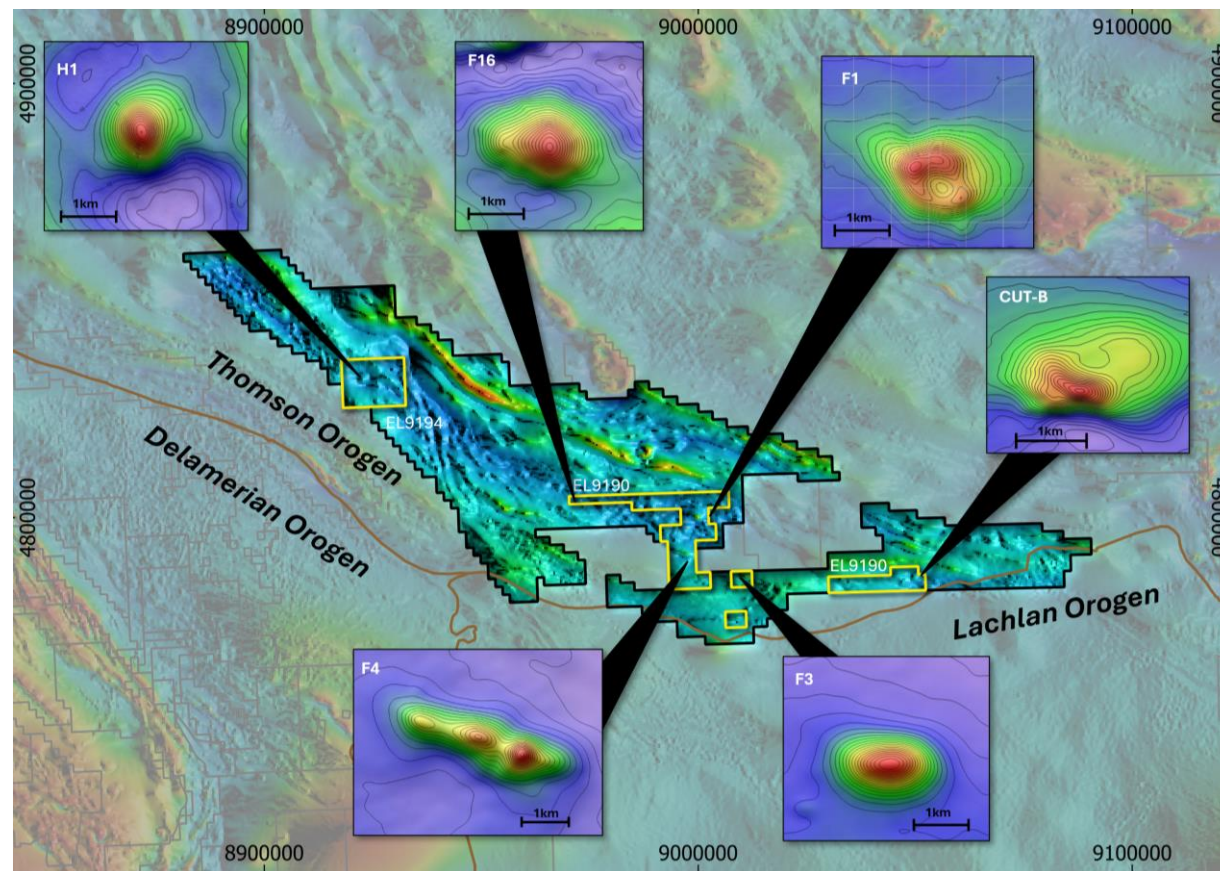
- Proof of concept confirmed in historic drilling
- Target rich environment
 - Numerous bulls-eye magnetic and gravity anomalies
- Large alteration footprints confirmed (tourmaline, biotite, silica and pyrrhotite)

One of the most under-explored orogens in Australia

- Potential for large deposits due to first mover advantage.
- Belt scale exploration opportunity (5,500km²)
- Successful discovery opens multitude of walk-up drill targets

Pathway to Discovery

- Gravity survey > magnetic and gravity modelling > drilling
- Cover sequence geophysically transparent for gravity, magnetics, IP and potentially ground EM.
- Shallow cover means cost-effective discovery rates.



Project overview showing EL9190, EL9194, ELA6777 and examples of “bullseye” magnetic targets.
All magnetic targets shown here indicate a magnetic body >100Mt.



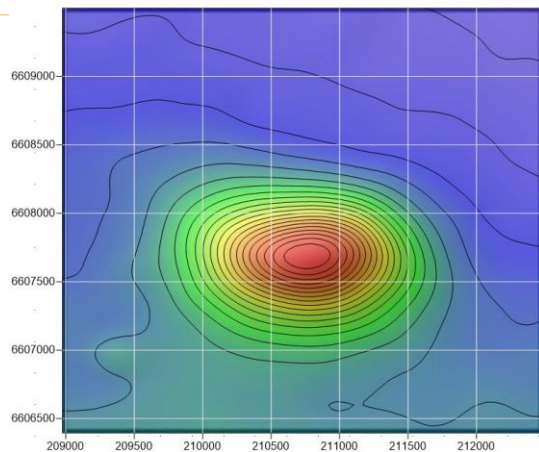
ASX: LGM

Highlight Prospects¹

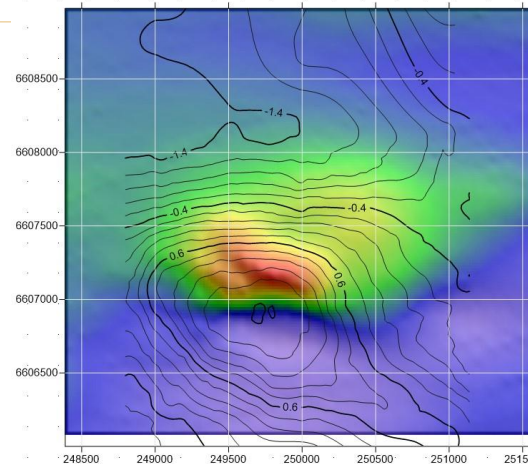
Multiple opportunities for a large deposit discovery

Target	Modelled mag body size	Previous Drilling	Key observations
F3	350Mt	Not tested. Hole passed nearby but did not intercept the interpreted causative magnetic body.	Strong silica-pyrrhotite alteration and veining
CUT-B	>100Mt	Not tested. Magnetic susceptibility measurements of the drill core indicate the magnetic anomaly remains untested.	Coincident gravity anomaly. Extensive tourmaline and biotite alteration and tourmaline + sulphide vein. (up to 0.53g/t Au, 113g/t Ag, 0.5% Cu, 4.2% Zn, 0.5% Bi, 0.6% W)
CUT-A	170Mt	Not tested. Magnetic susceptibility measurements of the drill core indicate the magnetic anomaly remains untested.	480m zone of alteration - silicification, veining and brecciation indicating an extensive mineralized hydrothermal system. (up to 3.73g/t Au, 58g/t Ag, 0.12% Bi, 105ppm Mo, 1.8% Pb, and 1.0% Zn)

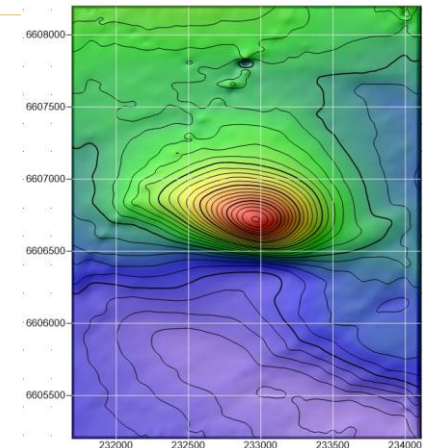
F3



CUT-B



CUT-A



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Note: references on this slide are in the Appendix – Endnotes on Slides 25-27

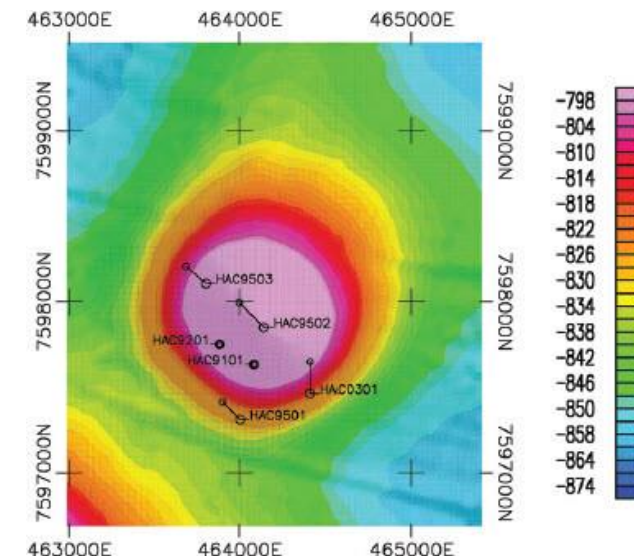
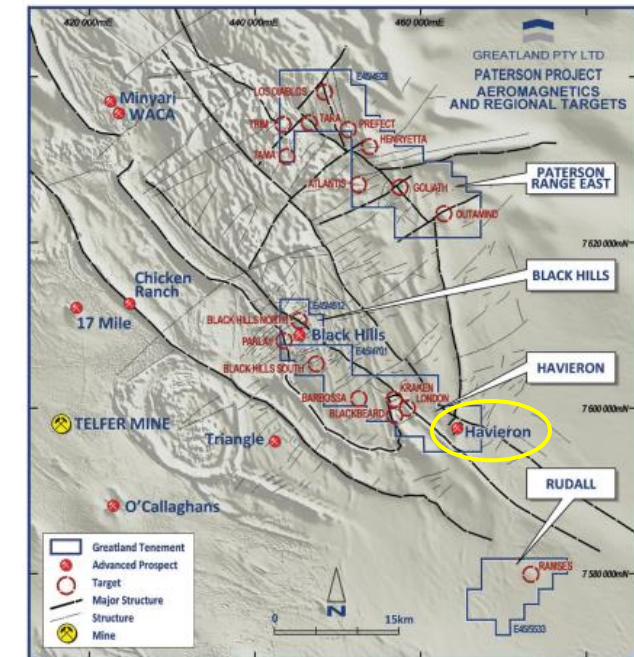
Analogue Deposit¹

Havieron Deposit 8.4Moz AuEq (Greatland Gold)

Au-Cu Intrusion Related Deposit

- Havieron is an intrusion- related system with gold and copper mineralisation hosted in breccia, vein and massive sulphide (pyrrhotite dominant) styles
- High grade gold and copper mineralisation discovered under more than 400 m of post-mineralisation cover
- Drill testing of a coincident magnetic and residual gravity anomaly.
- Circular magnetic anomaly within generally bland magnetic terrain.

- ✓ Bulls-eye to sub-circular magnetic high anomalies
- ✓ Meta-sedimentary host rocks;
- ✓ Pyrrhotite related mineralisation; and
- ✓ Related gravity high anomalies.



Discovery of the Havieron Gold-Copper deposit, WA (James *et al.*, 2022)

Note: references on this slide are in the Appendix – Endnotes on Slides 25-27



ASX: LGM

Drake

An Extensive and Underexplored Au-Cu system



Unlocking a Target rich epithermal environment

A 'Legacy' project with new Legacy Minerals exploration vision and approach

What's Legacy Minerals Strategy?

- A focus on the delivering value through Au-Ag-Cu discovery

Transaction

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

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

Resources

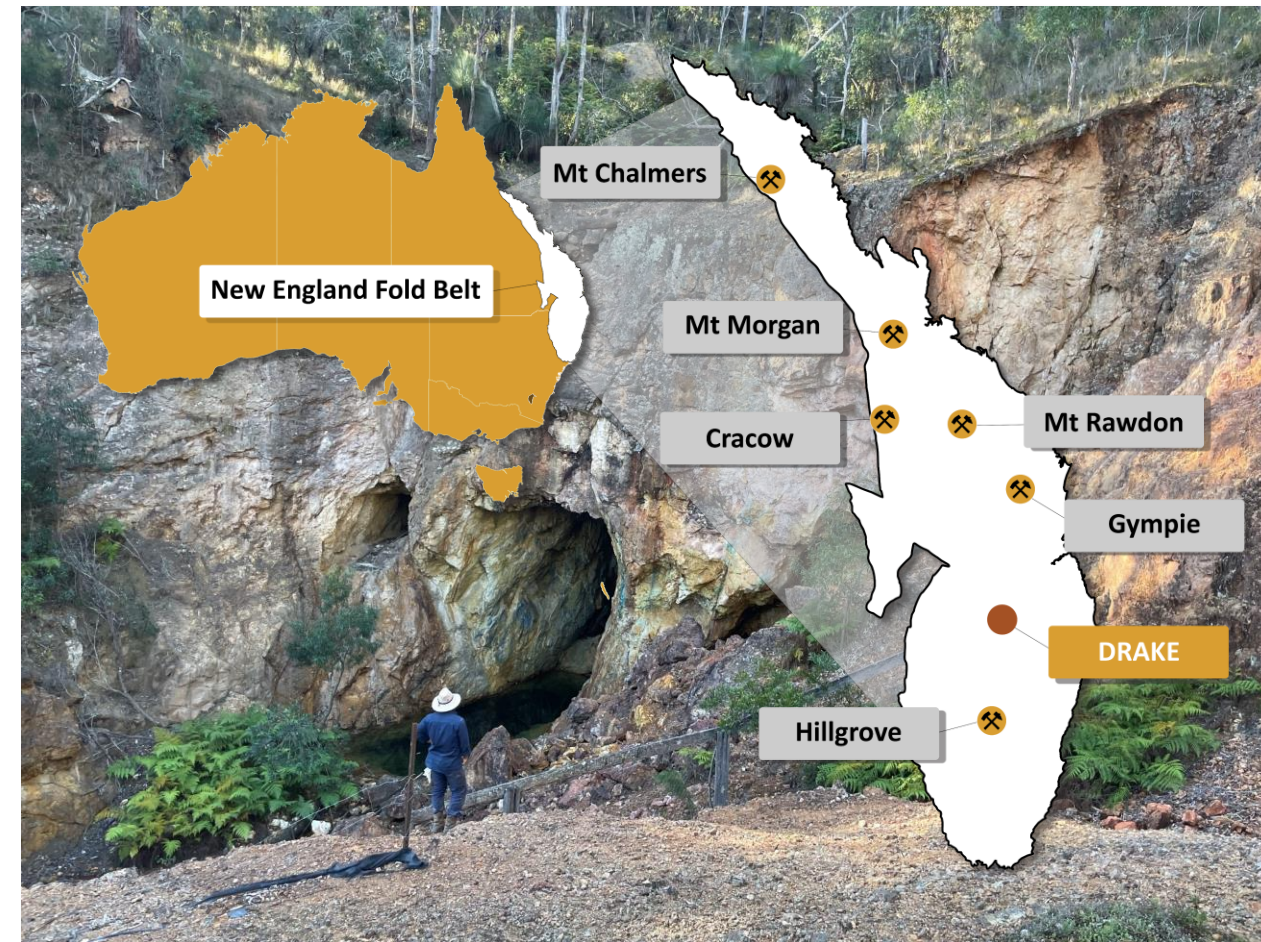
- Exploration License Application and Exploration Licences Resource
 - 320kOz Au and 23Moz Ag in open pit resources³

Comparable scale to other globally significant systems

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

Unrealised copper opportunity

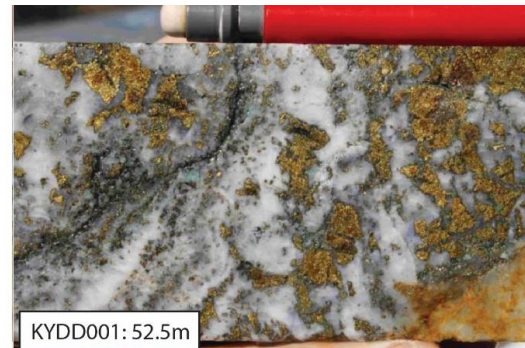
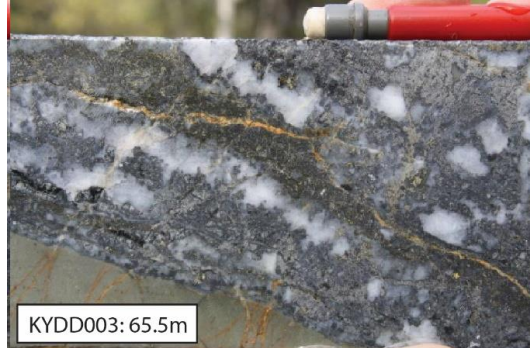
- Extensive copper oxide potential across several kilometers
- Historical high grade and wide copper intersects not followed up



ASX: LGM

Extensive high-grades demonstrate system potential

Why we are here?: Because this project reported the right grades and exhibits the right textures



Porphyry D-vein

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)

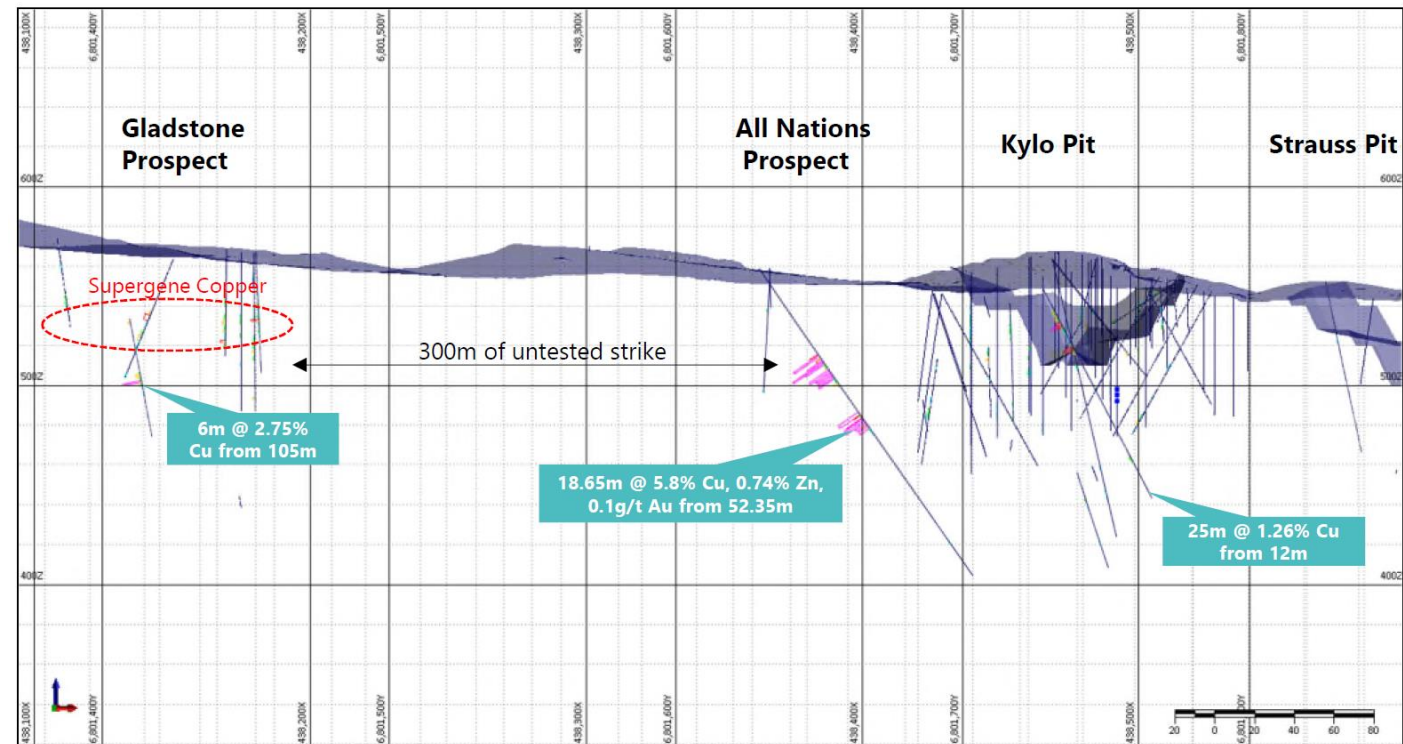
- 12.82m at 48g/t Au and 2,589g/t Ag, including 6.88m at 82g/t Au, 3,355g/t Ag with 3.78m of core loss (DDH006)¹
 - The highest grades in this interval went **0.91m at 230g/t Au and 9,081g/t Ag**
- 118m at 1.71g/t Au, 6.9g/t Ag, 0.1%Cu and 1.12% Zn from 2m (KYDD003)²
- 8m at 16.92g/t Au, 17g/t Ag, 0.53% Cu, 1.45% Pb and 6.89% Zn, from 52m (NOT IN RESOURCE) (RED003)¹
- 26.5m at 220g/t Ag and 0.1g/t Au from 133.3m (NOT IN RESOURCE) (MODD004)⁴
- 16m at 5.8% Cu from 58m and 10.1m at 7.26% Cu from 88m (NOT IN RESOURCE) (KYDD001)³



Copper Opportunity

Untested porphyry copper targets¹

- Highly encouraging shallow intercepts including:
 - 18.65m at 5.8% Cu from 52m and 10.1m at 7.26% Cu from 88m**
 - 25m at 1.26% Cu from 12m, and 6m at 2.75% Cu from 105m
- Extensive copper oxide resource potential across several kilometers gives confidence to large system



Black Range

Under explored gold-silver epithermal systems



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

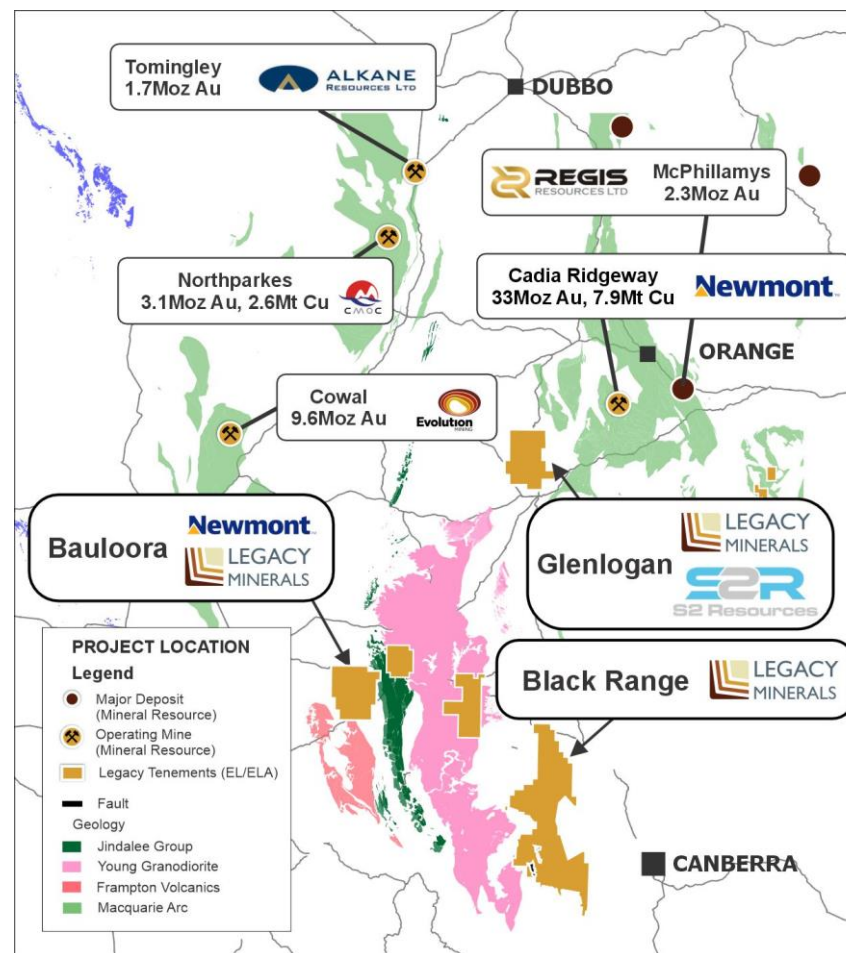
Why is it a compelling project?

- Preservation and widespread Au-Ag anomalism (Sugarbag Hill, Mt Mylora)^{1,2}
- 65km from Bauloora with clear parallels between the two systems
- Newcrest dated Black Range to be the same age mineralisation as Bauloora¹

Large Scale Potential

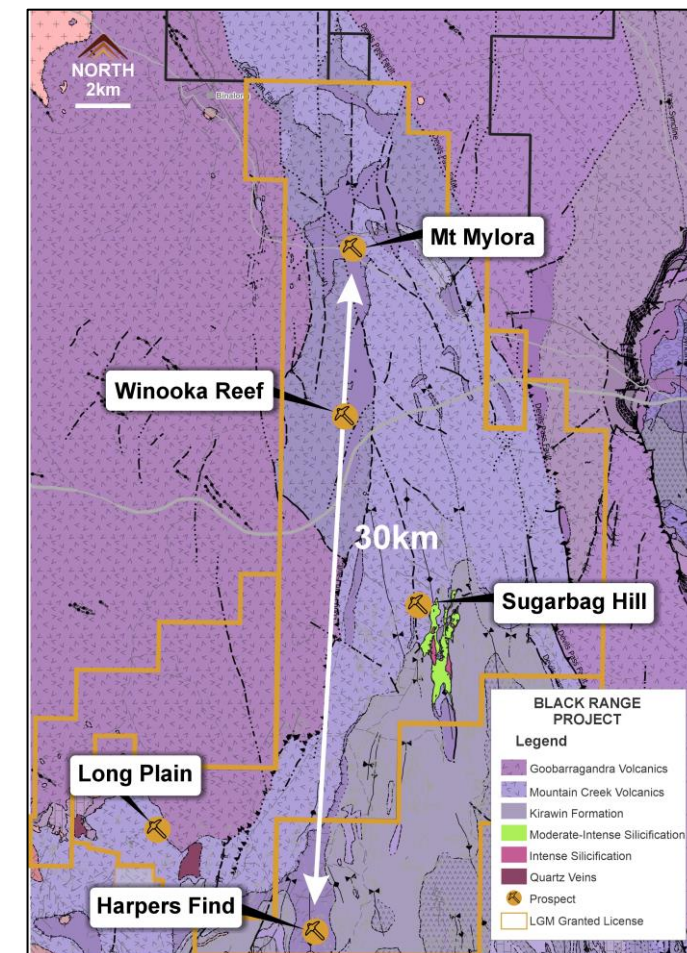
- Rock chips up to 1,440g/t Ag and 2.06g/t Au underpin district potential³

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

Joint Venture Projects

\$28.5M in JVs sees sustained discovery effort



Newmont™

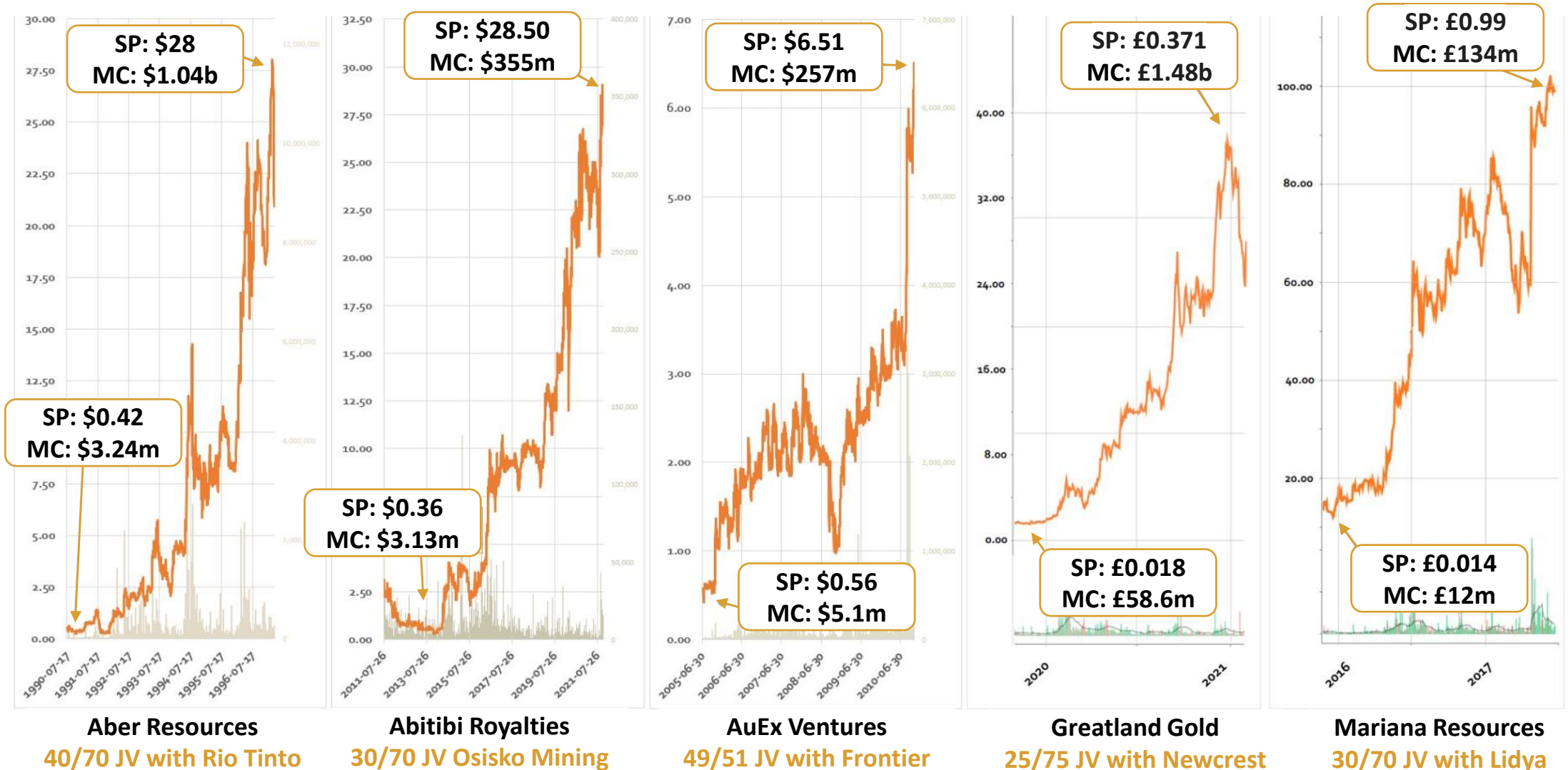


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The upside in a JV - non-dilutive potential for value creation

Like 100% owned projects, partnerships can deliver significant returns for shareholders



ASX: LGM

Note: references on this slide are in the Appendix – Endnotes on Slides 25-27

Bauloora – Newmont (\$15M)

Drilling Assays Pending

Ongoing discovery exposure

- Further 2024 drilling planned

Joint Venture Terms¹

- Up to \$15M spent over 8 years.
- Minimum drill meters.
- **LGM option for 20% loan carried to mining.**

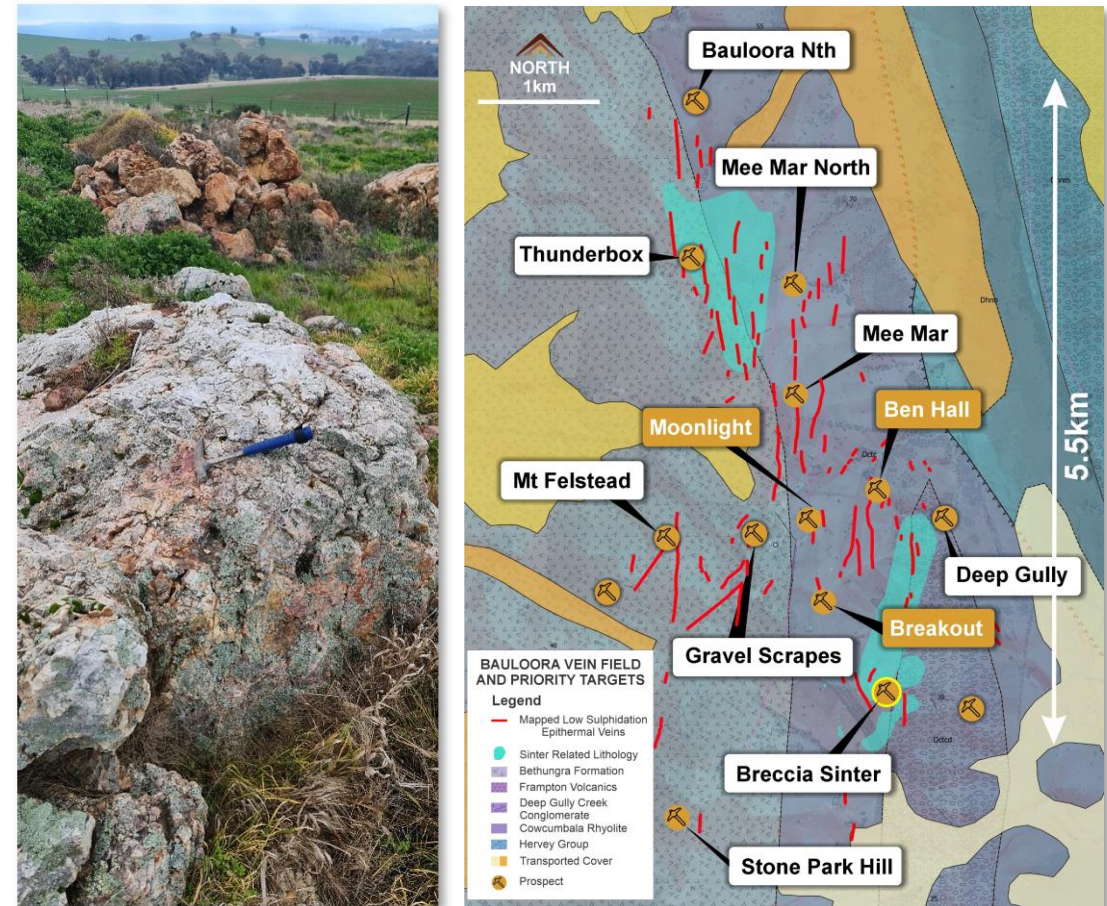
District scale control

- 27km² low sulphidation epithermal vein field²
- Target rich environment

High-Grades and Extensive Veining

- Veins up to 3m wide at surface strike >2km
- **3,701g/t Ag, 6.9g/t Au, 6.4% Cu, and 55% Pb+Zn (0.2m face sample)⁴**
- 6m at 3.56g/t Au, 10.95g/t Ag, 0.22% Cu and 6.47% Pb+Zn (from 57m)⁴

Primary Vein Field and Current Targets



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

Fontenoy – EarthAI Alliance (\$4.5m)

Drilling Underway

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.

Alliance Terms¹

- Up to \$4M spent over 3 years.
- Minimum drill meters.
- **Success-based earn-in (need a qualifying intercept).**

Unlocked potential for magmatic-related PGE-Ni-Cu

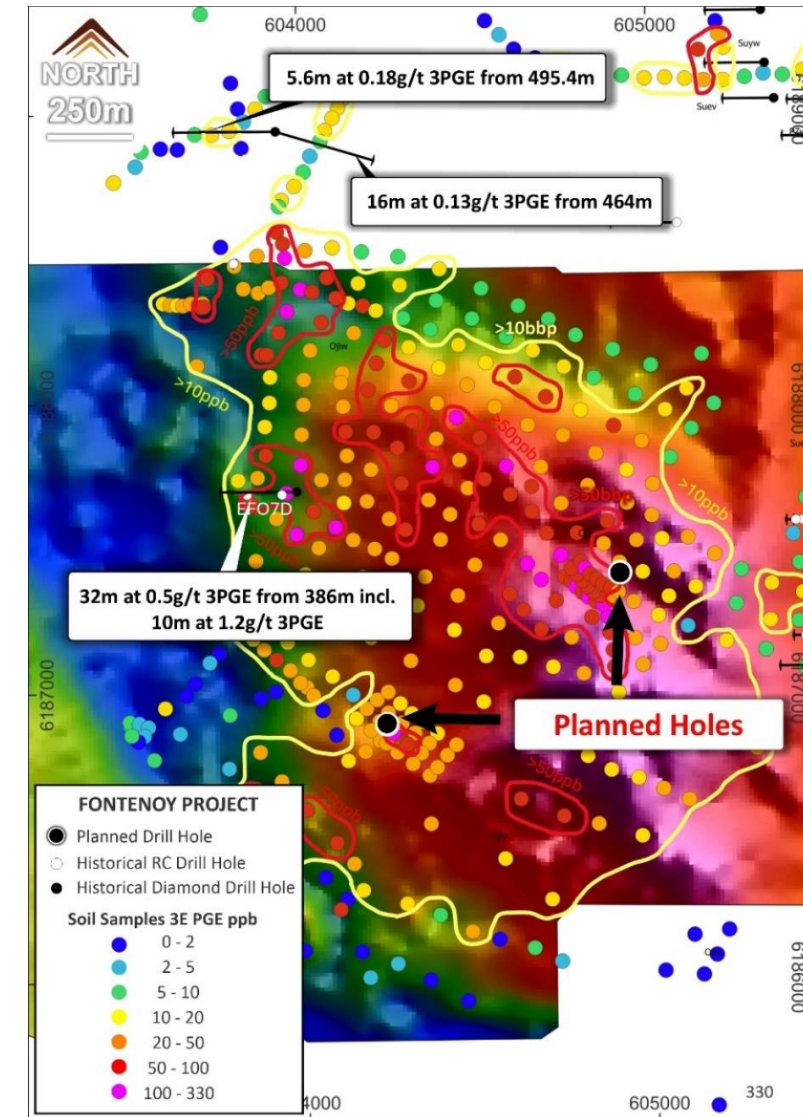
- Deposit styles such Nova-Bollinger (IGO) and Julimar (Chalice)^{2,3}.

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



Glenlogan – S2 Resources JV (\$6m)

Drilling Underway

Joint Venture Terms

- Up to \$6M spent over 6 years.
- Minimum drill meters.
- **LGM option for 20% loan carried to mining.**

Rio Tinto did not drill target

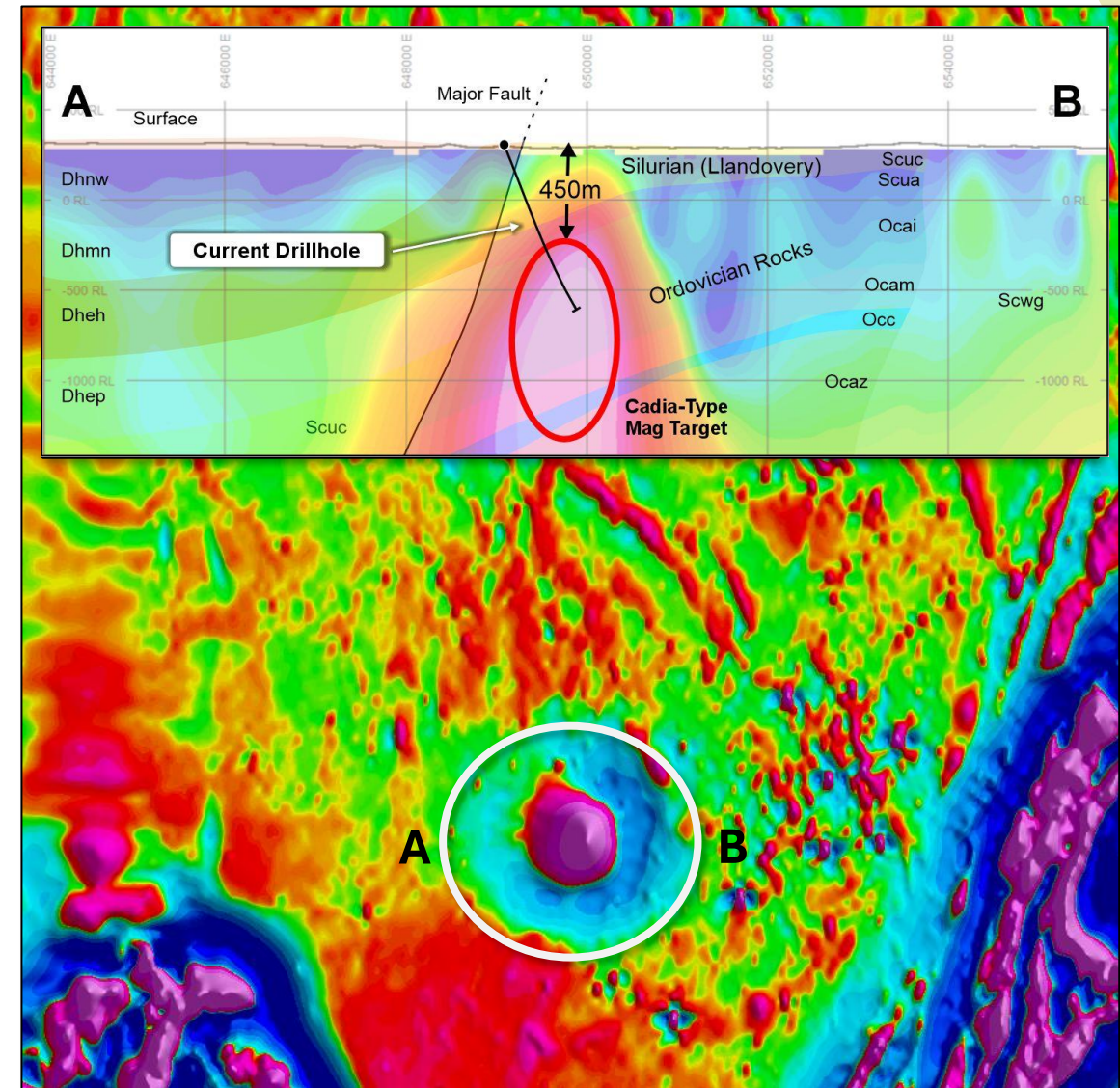
- Rio Tinto last held in the ground in 1994 and did not drill test the target due to modelled target depth of 800m¹

Modern geophysical breakthrough

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

Partnership with a quality exploration company

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

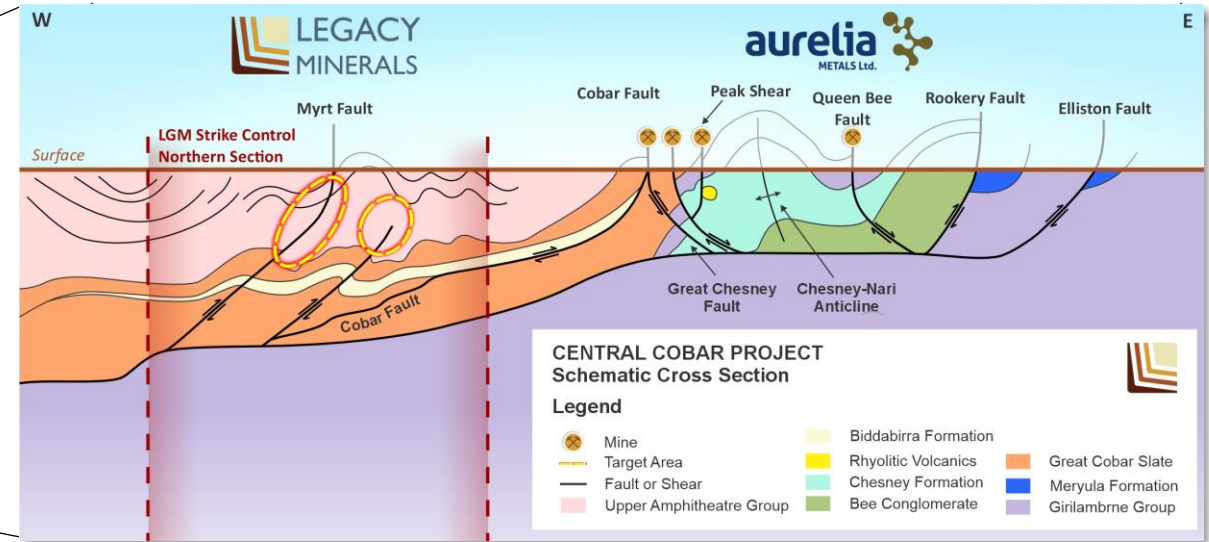
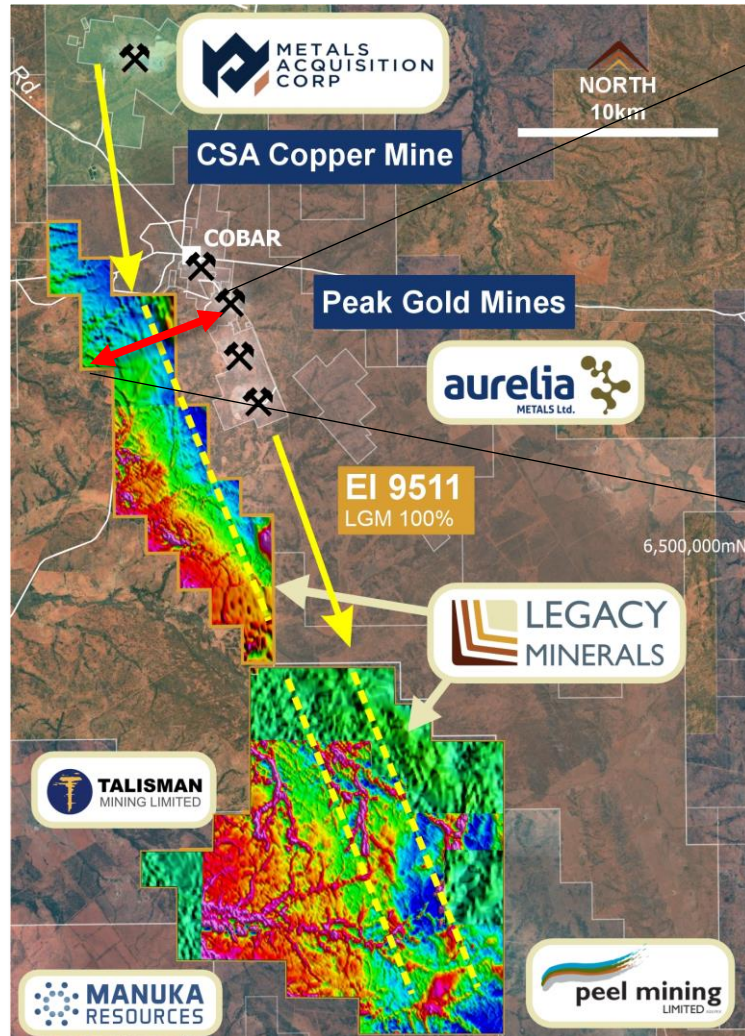


Reduced to the pole magnetic image showing the large central magnetic high surrounded by a magnetic low, potentially representing a core zone of magnetite alteration with outer magnetite-destructive alteration, together with collar and planned trajectory of first hole.² Cross section looking west showing the vertical magnetic body and planned trajectory of the first hole.²

Note: references on this slide are in the Appendix – Endnotes on Slides 25-27

Central Cobar – Helix JV (\$2.8M)

New Joint Venture will see an active exploration program



Prospective, undrilled search space

- Along strike of the Peak Gold Mine Corridor (Aurelia, ASX)
- Along strike of the CSA Mine (Metals Acquisition Corp, ASX)
- Interpretation that the western margins of the Peak Corridor has structural complexity and potential for fluid pathways that form many Cobar-Type deposits¹

Key Terms of the Joint Venture²

- \$2.8M over six years and three stages to earn 80%
- LGM' ability to contribute at each stage
- Minimum expenditure and commitments to drill



ASX: LGM

Timeframes and Discovery Catalysts

Ongoing drilling and target generation



Drilling

Q3
Bauloora
Drilling Results

Q4
Glenloggan
Drilling Results

Q4
Bauloora
Drilling Starts

Q4
Fontenoy
Drilling Results

- Follow up drilling

2023

2024



Target Generation

Q3
Rockley
Soil sampling

Q3
Drake
Project Update

Q3-Q4
Black Range
Soil sampling

Q3-Q4
Cobar
Ground Geophysics

- Follow up generative work



ASX: LGM

Investment Highlights

Deliver shareholder value through acquiring, exploring and developing projects



Right Structure

Competitive market cap means room for growth

Tight capital structure
105M shares on issue

\$28.3M in non-dilutive, JV funding

\$3M cash in bank at end of June

Right People

Experience across all areas of exploration and mining space

Good stewards of capital with skin in the game

Track record of discovery and funding

Right Ground

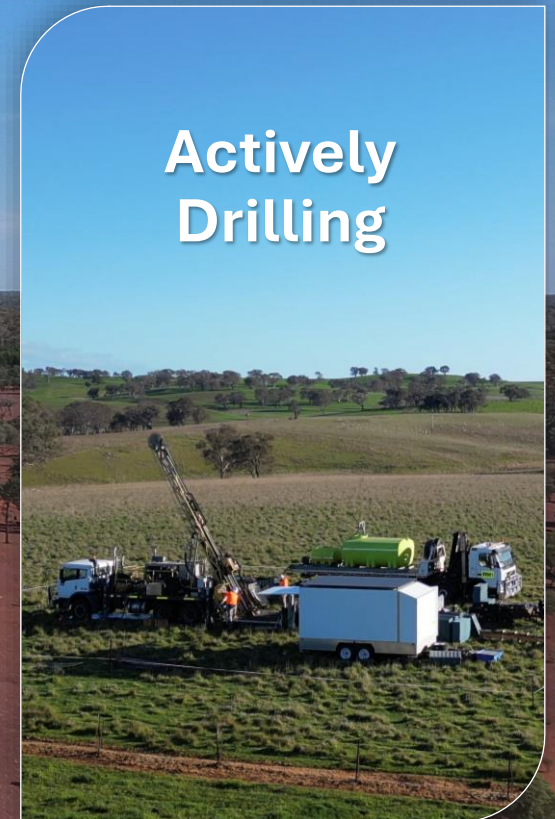
High grade projects

Focus on gold, silver, and copper

Targeting Tier-1 systems

Potential for significant discoveries and resource growth

Actively Drilling





Forging a path to become a premier
resources company.

Christopher Byrne, *CEO and Managing Director*
chris.byrne@legacyminerals.com.au

Appendices – Endnotes

Slide 3, Slide 15: 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



Appendices – Endnotes (continued)

Slide 7:1: Technical Review of the Falcon Project, July 2023, Bob Richardson (unpublished)

Slide 8: 1: Technical Review of the Falcon Project, July 2023, Bob Richardson (unpublished)

Slide 9: 1: Hanneson, J. E., & Baxter, C. N. (2022). Discovery of the Havieron Gold-Copper deposit, WA. Preview, 2022(219), 42–47. <https://doi.org/10.1080/14432471.2022.2103941>

Slide 11: 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: see slide 31, 4: World Gold, Pacific Rim Epithermal https://corbettgeology.com/wp-content/uploads/2016/07/corbett_pacific_rim_epithermal_au.pdf

Slide 12: 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

Slide 13: ASX: LGM 7 May 2024 Drake Project Exploration Update, ASX TMZ Release: 24 Oct 2022, High-Grade Copper Target Identified at Mt Carrington

Slide 15: 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. 3: ASX LGM 18 July 2024 Black Range Drilling Assays Returned and Exploration Update, 1992 Newcrest Mining Limited (R00001533) License 3137 Goondah

Slide 17: GoldDiscovery Group, https://www.linkedin.com/posts/golddiscovery-media-b-v_why-buy-a-junior-miner-with-a-minority-stake-activity-7173060437201129472-UGoE?utm_source=share&utm_medium=member_desktop

Slide 18: 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, 3: ASX LGM: 16 June 2022 High-Grade Silver, Gold Drill Results, Met-Testing Underway, Legacy Minerals Prospectus, dated 28 July 2021, 4: ASX LGM: 10 May 2023 Drilling Assays Confirm New Epithermal Discovery at Bauloora

Slide 19: 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/> 4: ASX LGM, 17 July 2024, Extensive Undrilled Palladium-Platinum Footprint at Fontenoy.

Slide 20: 1: Rio Tinto Exploration Pty. Limited, EL5226 Cowra 8 Final Report Bathurst SI55-08 NSW, Australia, October 1997, 2: ASX 9 November 2023 Major Untested Porphyry Cu-Au Target Defined at New Project, 3: ASX LGM 29 January LGM: S2R enter \$6M Farm-in at Glenlogan Porphyry Project, ASX S2R: 18 July 2024, Drilling started at Glenlogan Copper-Gold Project, NSW

Slide 21: 1: ASX LGM: 19 August 2024 Helix Resources to Farm-in to Legacy’s Central Cobar Project, ASX HLX: 19 August 2024 Helix Expands Cobar Copper-Gold Foothold



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
Kylo (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 Kylo 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.

