



Targeting High-Value Discoveries



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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.

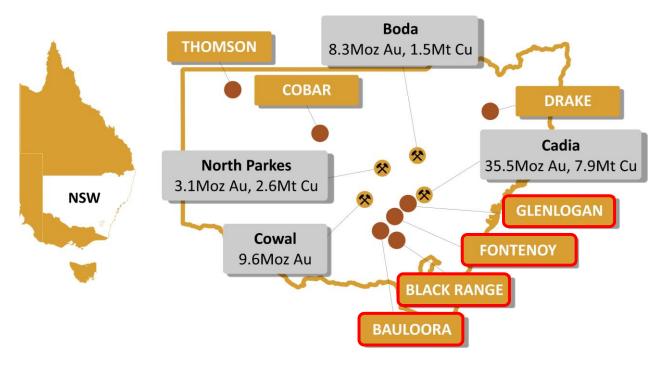
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Legacy Minerals Assets

Why the Lachlan Fold Belt NSW?

- Continued discovery success e.g. Achilles (ASX: AGC), Spur (ASX: WTM)
- Home to Australia's premier Cu-Au porphyry district and largest gold mine
- Discovery potential validated by global mining company investment
 - \$210M in joint ventures in the last 12 months



Map of NSW showing Legacy Minerals tenements and geographical location of major mining and exploration projects in NSW¹(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
Glenlogan	Cu-Au	S2 Resources

Drill Targeting

Drake	Au-Cu	LGM 100 %
Cobar	Au-Cu	LGM 100 %
Thomson	Au-Cu	LGM 100 %
Rockley, Ha	LGM 100 %	



Company Overview¹

Share Price

\$0.30

Market Cap

\$30.5M



Shares 105M Top 20 46%

Liquidity 23/24 CY ~\$.6M month

Cash – 31 Mar \$3.2M Cash - 30 Jun

\$3.0M

Debt Nil

Joint Venture Funding \$25.5M







Board and Management



Dr David CarlandNon-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

Value Proposition

Actively drilling with four projects drilled in 2024

100% Owned Projects



- 6 x 100% owned high-quality projects no royalties
- Multiple projects being actively explored with low-cost base to add value
- Full discovery upside to shareholders upon exploration success

Joint Ventures

Newmont



- Aggressive exploration targeting world class gold and copper deposits
- Financed pathway to mining under earn in joint ventures
- Legacy Minerals retains 20% ownership of Project





Hybrid Discovery Approach

- Direct upside for shareholders through self-funded exploration
- Minimise dilution and financing risk with partner funding
- \$25 million in JV and strategic alliance funding
- Multiple discovery exposure



Why Buy A Junior Miner With A Minority Stake?

Value Proposition – LGMs Partnership Projects

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

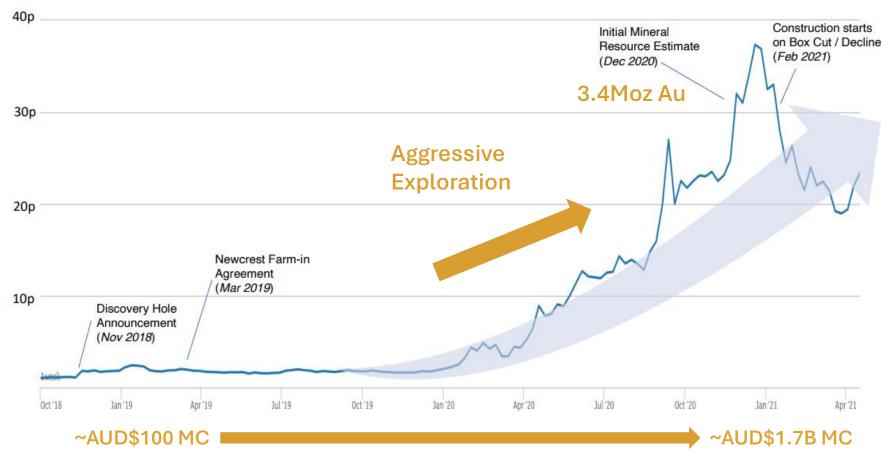


Finance secured: LGM option for 20% equity interest to be loan carried to production



Repayments to come from production revenue

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







Bauloora - Drilling Underway

Targeting a Tier-1 Epithermal Deposit

Ongoing discovery exposure

Drilling to commence imminently

Newmont Joint Venture (\$15M)¹

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

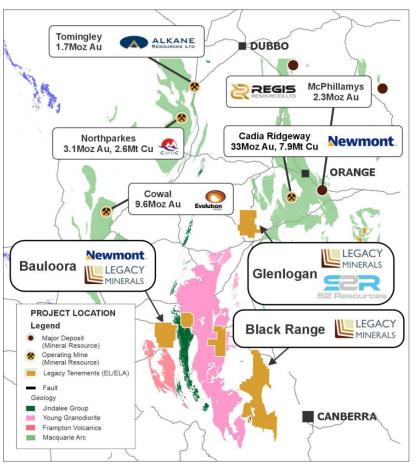
District scale control - 330km² license

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

High-Grades and Extensive Veining

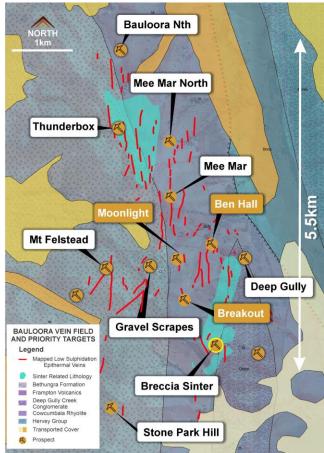
- Veins up to 3m wide at surface for >2km
- 9m at 2.0g/t Au, 28.4g/t Ag, and 9.87% Zn+Pb from 145m³
- 3,701g/t Ag, 6.9g/t Au, 6.4% Cu, and 55%
 Pb+Zn (0.2m face sample)⁴
- 6m at 3.56g/t Au, 10.95g/t Ag, 0.22% Cu and 6.47% Pb+Zn (from 57m)⁴

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.}

Primary Vein Field and Current Targets



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





Black Range

100% ownership of a large underexplored epithermal system

District scale control – 905km² license

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

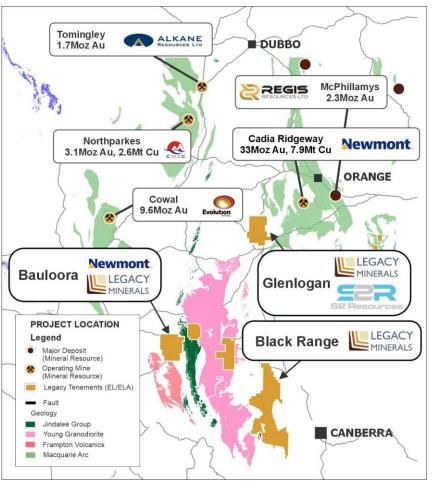
Why is it a compelling project?

- 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

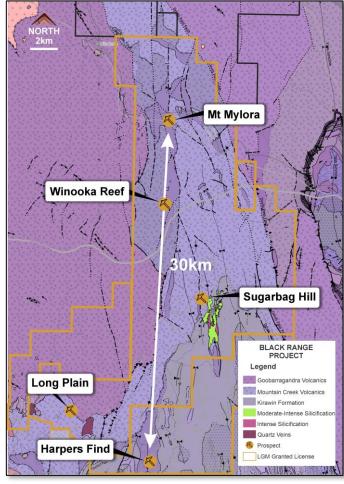
Assays pending from recent drilling

Black Range Project



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

Main Prospects



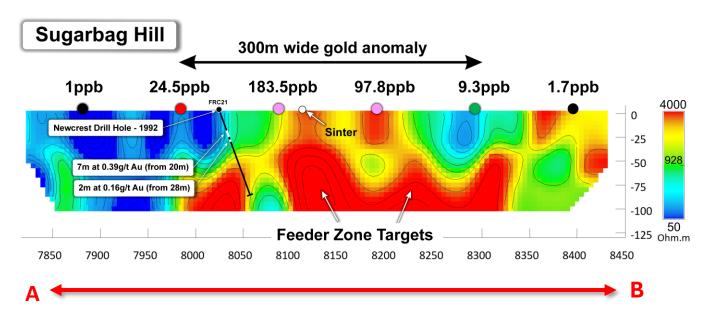
Black Range EL with solid geology showing major prospects

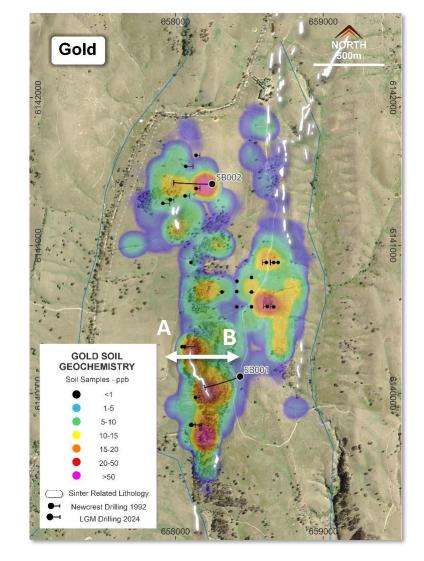


Sugarbag Hill - Diamond Drilling May 2024

Coincident pathfinder element targets

- The latest soil sampling results at Sugarbag Hill have mapped¹:
 - A <u>3.5km x 1.2km zone</u> 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.
- Two first pass drill holes intercepted a thick volcanic sequence of volcanic conglomerates, ignimbrites and volcanic breccia.
- Widespread silica-sericite +/- chlorite-pyrite alteration was observed in both holes.







Sugar Bag Hill soil geochemistry and drill hole sections 1



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

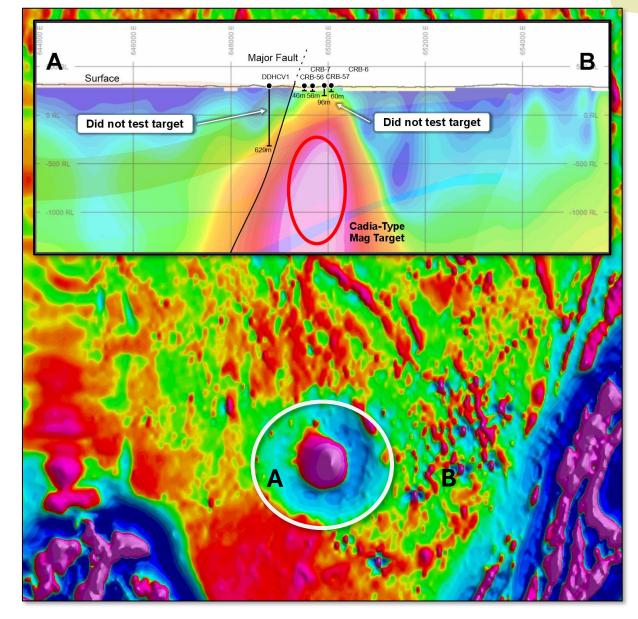
 Modern technology has shown the target is much shallower than previously thought (~500m), and well within economic mining depths²

Significant stake retained by LGM

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

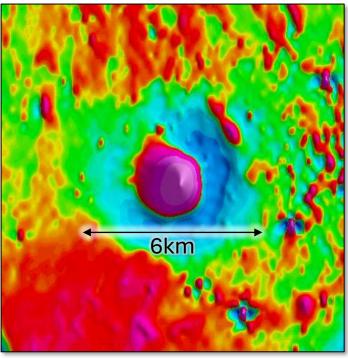
Partnership with a quality exploration company

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

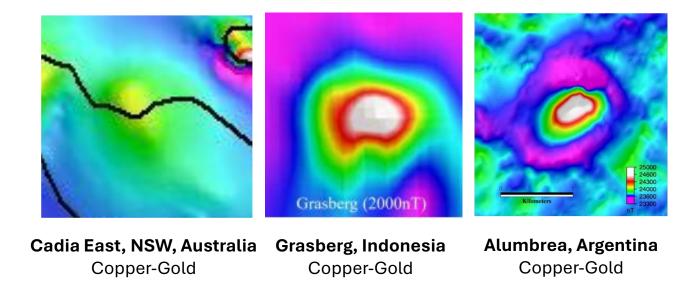


Magnetic signatures of world class porphyry's

'Bullseye Targets'



Cowra Porphyry Target
MagRTP_HP



Comparison in aeromagnetic signature between Cowra in NSW and the Cadia East (AUS), Grasberg (IND) Alumbrera (ARG), and Buenavista Del Cobre (MEX). Strong magnetic response, with discreet central magnetic highs due to chalcopyrite-magnetite mineralisation (magnetite skarn) and surrounding annular magnetic low due to core potassic zone magnetite destructive hydrothermal alteration, characteristic of globally important copper-gold porphyries.¹



Numerous "bullseye" magnetic and gravity targets

New, untested search space

Discovery Upside

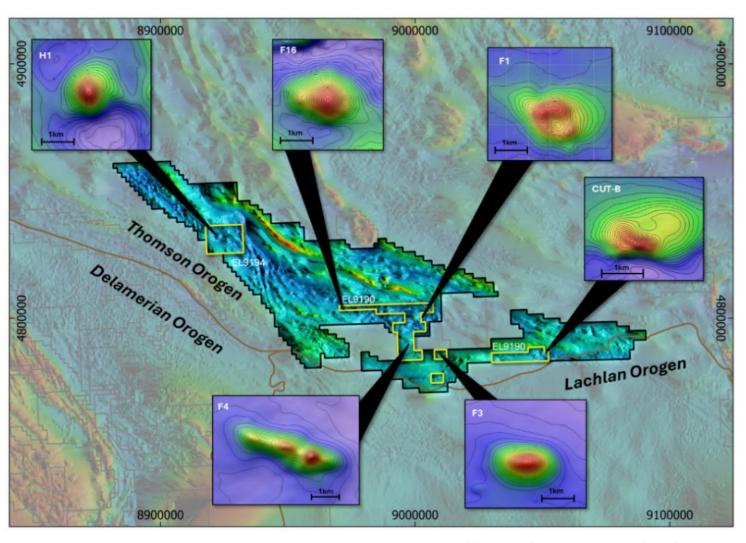
- Highly prospective for Iron Oxide Copper-Gold and Intrusion Related Gold discoveries.
- Havieron (IRG, 8.4Moz AuEq) and Carrapatenna (IOCG, 5.1Mt Cu, 7Moz Au) are notable undercover discoveries of this type¹
- Located west of Bourke, NSW the Project covers 5,500km2 of tenure and sits in one of the most under-explored geological provinces in Australia.

Clear Tier-1 geophysical targets

- Numerous, undercover targets defined by discrete, "bullseye" magnetic and gravity anomalies.
- The limited historical drilling has been either too shallow, or mis-targeted, to have tested the magnetic and gravity anomalies

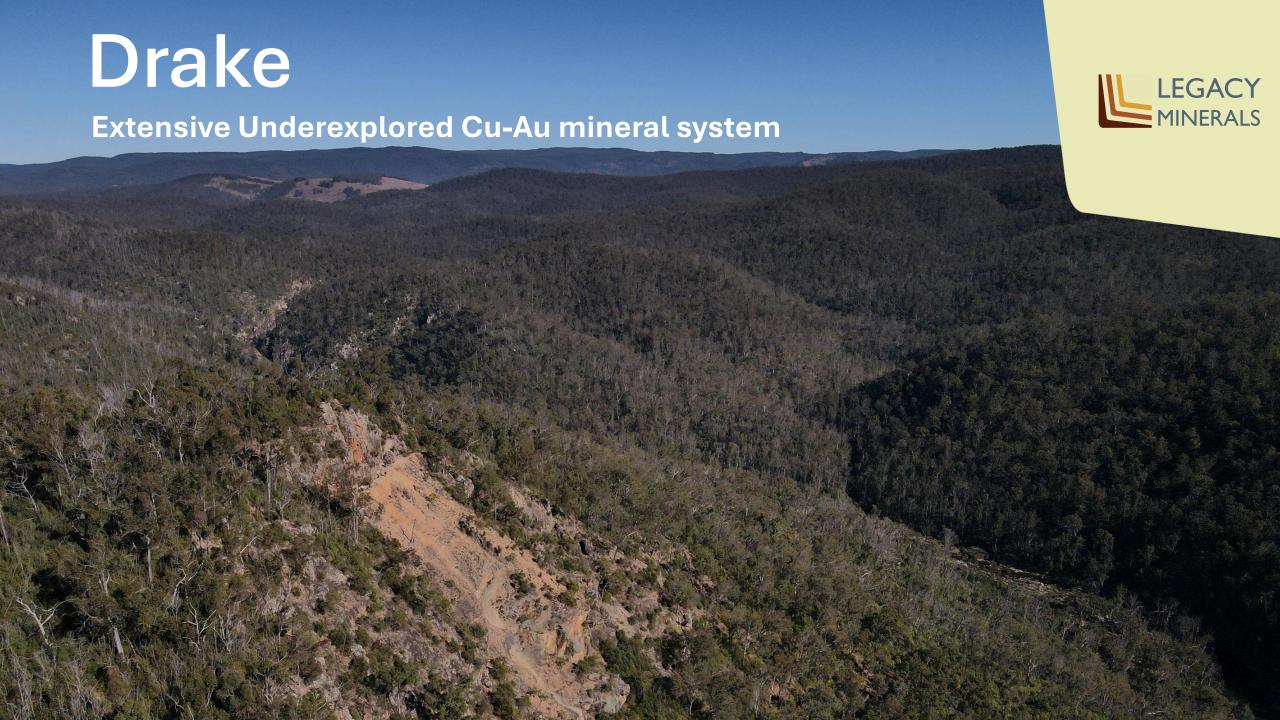
Track Record to Secure Funding/Partners

 Joint Venture and funding record in being able to secure a pathway to discovery



Project overview showing EL9190, EL9194, ELA6777 and examples of "bullseye" magnetic targets (inset).





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
- Porphyry 'smoke' but yet to be found:
 - Porphyry D Veins intercepted in drilling and mapped at surface

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

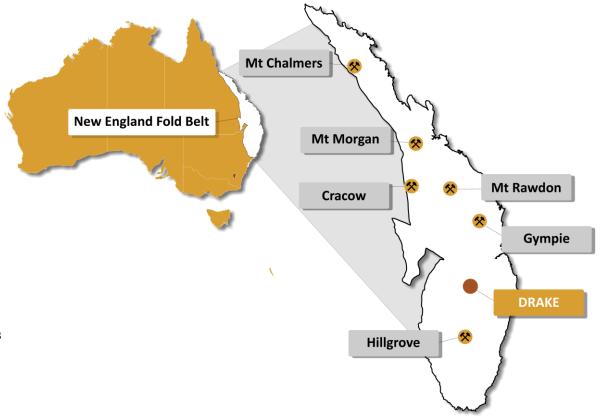
- Estimated \$20-30M in project expenditure by previous companies
- Represents a transaction valuer

Resources

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

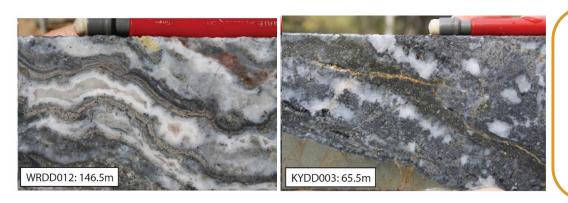
Significant project scale compared to global systems

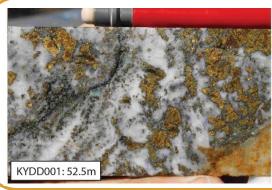
- Prospective for epithermal and porphyry deposits
- Similar features to world class deposits such as Porgera, PNG⁴



Extensive high-grades demonstrate system potential

Why we are here: right grades and 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
- 8m at 16.92g/t Au, 17g/t Ag, 0.53% Cu, 1.45% Pb and 6.89% Zn, from 52m
- **118m at 1.71g/t Au,** 6.9g/t Ag, 0.1%Cu and 1.12% Zn from 2m
- 16m at 5.8% Cu from 58m and 10.1m at 7.26% Cu from 88m
- **26.5m at 220g/t Ag** and 0.1g/t Au from 133.3m

(NOT IN RESOURCE) (RED003)¹

(KYDD003)²

(NOT IN RESOURCE) (KYDD001)³

(NOT IN RESOURCE) (MODD004) 4

Our strategy to unlock value

Next steps at the Drake Project

The Basic Steps

• Compiling a comprehensive database of all historical surface and drilling assays, as well as historical geological maps, mining activities and geophysical surveys

Modern and Systematic Exploration

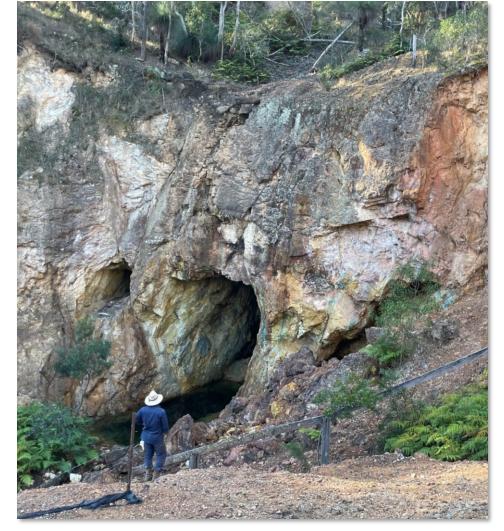
- Assessing a range of potential geophysical survey techniques to be acquired over the tenement area
- Utilise modern geochemistry and a focus on mapping textures and grade
- Implement machine learning and AI to help identity trends in the large data set

Test the porphyry copper opportunity

- Porphyry 'smoke' but no source yet to be found:
 - Porphyry D Veins intercepted in drilling and mapped at surface
- Follow up on previous copper drilling
- Follow up on the historical copper mines including Emu Creek
 - Emu Creek was the largest copper producer in the Drake Caldera

Timeframes

- Digitisation of all historical data is expected to be completed in June
- Interpretation, field campaigns, and drill target identification Q3-Q4 2024
- Potential airborne geophysical survey's Q3-Q4 2024



View of the historic Pioneer Mine



Reaping the reward of Artificial Intelligence

EarthAl 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

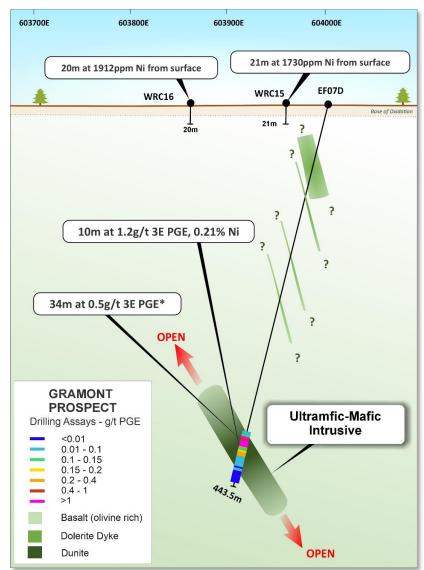
 Their value, rarity and strategic importance underpin the value for shareholders

Shareholders are exposed to cutting edge Al

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).



Investment Case

Targeting high value discoveries

- 1. Multiple share price catalysts
- Actively drilling with three more upcoming drill campaigns in the next 6 months
- 2. Strong and supportive register
- Tight capital structure presents significant growth opportunities
- 3. Focused on gold and copper
- Strong macro market thematic
- 4. Projects backed by Tier 1 Partners
- Partnered with serially successful people and companies who have a track record of making and monetising discoveries, and successful mining operations
- 5. Clear strategy to deliver shareholder value
- 100% ownership of projects give shareholders direct upside to discoveries & partnerships minimise dilution and financing risk



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



Appendices – Endnotes

Slide 3, Slide 8, 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
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: Ag Eq (g/t) = Ag (g/t) + 33.48*Pb (%) + 49.61*Zn (%) +80*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 7: 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, 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 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 15: 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 16: Greatland Gold, Half Year Report for the half year ended 31 December 2023, Carrapatenna 2022 Mineral Resources and Ore Reserves Statement and Explanatory Notes, 30 June 2022

Slide 18: 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 19: 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

Slid2 22: 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
https://chalicemining.com/gonneville/, 3: ASX LGM 3 May 2022 Strategic Exploration Alliance with AI Explorer



Appendices – Endnotes (continued)

Drake Mineral Resource Estimate as at 26 March 2024

Deposit Resource Classification	Resource	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
IGA (FLA)	Indicated (JORC 2012)	2.14	1.25	1.35	0.19	0.04	86	93	4.1	0.8
Kylo (ELA)	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		
Lada Hannadan	Indicated (JORC 2004)	1.84	0.6	69			37	4056		
Lady Hampden	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% Zn^[ii]. 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.

