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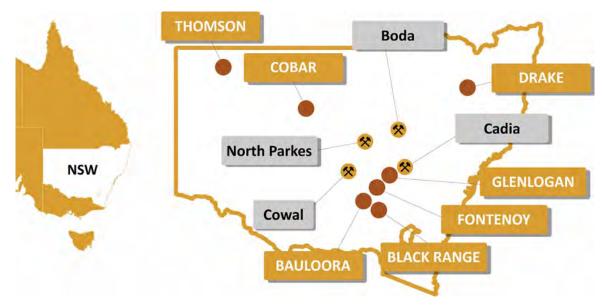
This presentation contains exploration results and historic exploration results as originally reported the Company's Prospectus dated 28 July 2021 and released 9 September and subsequent ASX market announcements. The Company confirms that it is not aware of any new information that materially affects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



Map of NSW showing Legacy Minerals tenements and geographical location of major mining and exploration projects

100% Owned Projects -7,067km²

Thomson, Drake, and Black Range

Joint Venture Projects -1,070km²

Bauloora, Fontenoy, Glenlogan, Cobar

Newmont



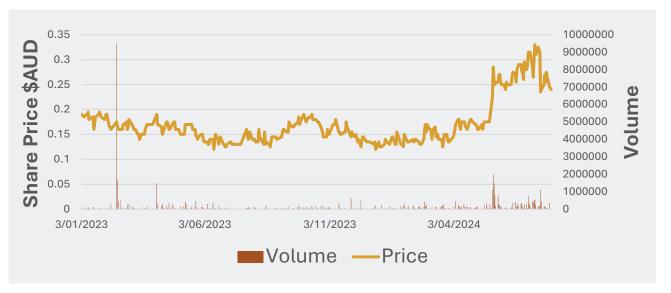


Why New South Wales?

- Home to Australia's largest gold mine (Cadia) and continued discovery success
- Value demonstrated by global mining company investment
 - Since 2023, NSW has seen A\$16B in mining M&A deals and \$300m in exploration JVs¹
- Underexplored WA receives almost 4 times more annual expenditure than NSW²

Legacy Minerals at a glance

Share Price \$0.16 Market Cap \$19M



Shares 118M Top 20 42%

2024 Drill Campaigns 7 across 5 Prospects

Joint Venture Funding \$28.3M

Cash – 31 Sep \$1.6M

M Nil

\$3M raised in quarter





EARTH AI

New Significant Shareholder Fleet Space



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



Strategy to deliver shareholder value

Discovery

Acquisitions

Partnerships



Targeting multi-million-ounce gold and copper systems

Drake

One of NSW's largest epithermal systems

Targeting a major pacificrim gold-copper system

Comparable in size to the giant Porgrera complex 19Moz Au¹

Hits and widespread high-grade gold, silver, and copper

Bauloora

One of the largest epithermal vein fields in Australia

Targeting a globally significant discovery: A Tier 1 Deposit 500kOz Pa

Newmont Farm-in and providing technical expertise

Thomson

Belt scale, 5,000km² gold and copper project

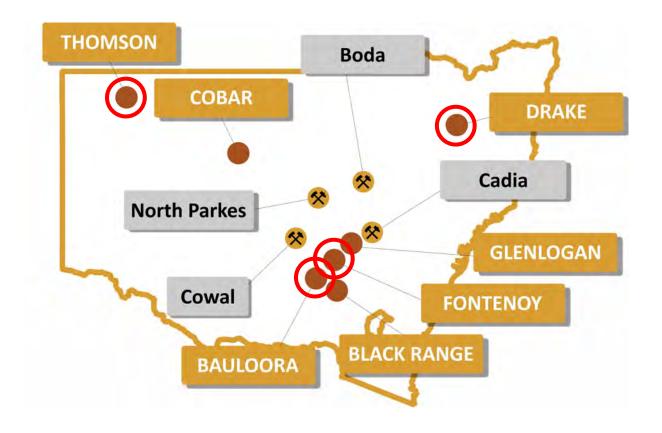
Targeting Hemi (13.6Moz²) or Havieron (8.4Moz AuEq²) discovery

Undrilled targets are being unpacked with leading geophysics

Actively Drilling

Boots and Rigs on the Ground

Active exploration campaigns underway



Thomson

- On-ground gravity and ambient noise tomography (ANT)
- Al-driven drill target generation Fleet Space
- Drill planning for Jan/Feb 2025 campaign
- Historic drill core cutting and sampling underway

Bauloora

Drill campaign underway

Fontenoy

• Drill campaign underway

Drake

- LiDAR ground truthing
- Airborne Magnetotelluric survey planning
- Mineral Resource Update underway

New engagement of Chief Technical Advisor – Dr John Greenfield

- Ex-Principal Geologist (Newmont) and ex-Director, Geological Survey of NSW
- Technical expertise to deliver on LGM's discovery strategy





Drake - Unlocking a target-rich epithermal space

A 'Legacy' project with new vision and approach

Discovery Upside – Porgera style Cu-Au deposit (~19.7Moz)¹

- One of the largest mineral systems in NSW
- Multiple untested discovery opportunities
- Limited shallow drilling with thousands of historic workings
- Demonstrated potential for significant deposit 14 x 100 AuEq g/t m hits²

Existing Resource³

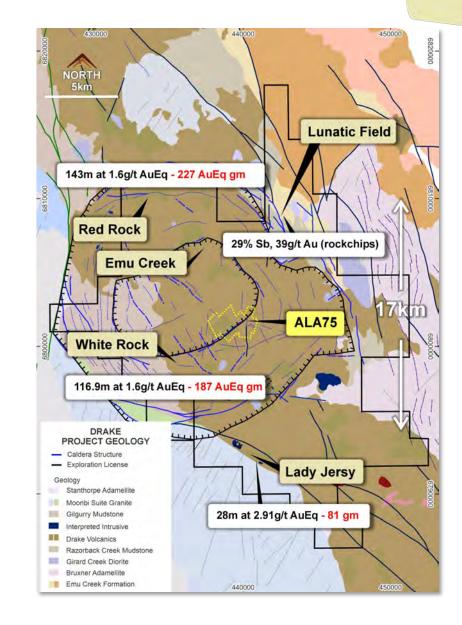
Existing JORC 2004 and 2012 Resource (see ASX Release 13 Nov)

De-risked future upside – Brownfields Site

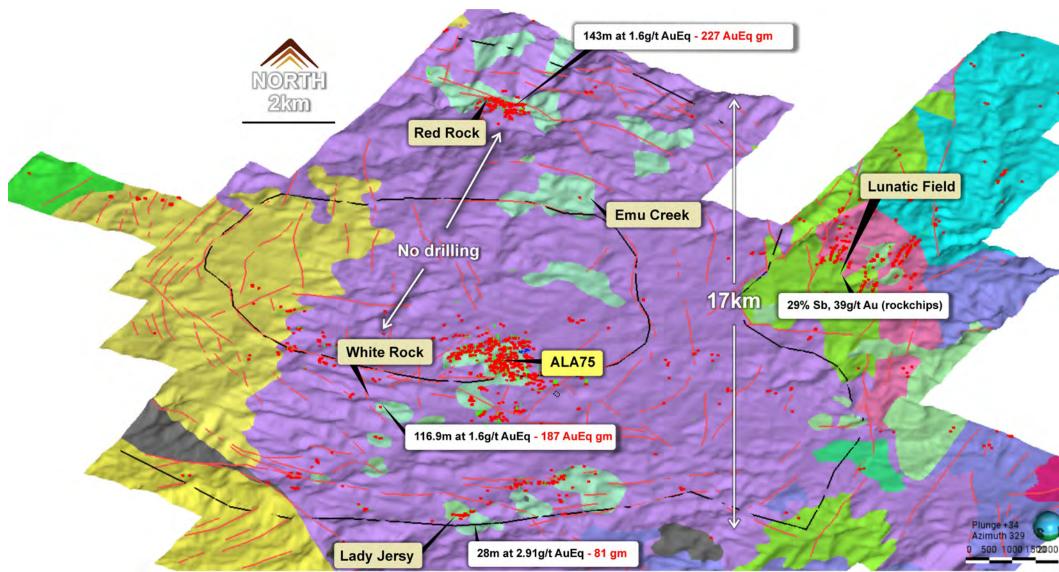
- Tailings dam, freshwater dam, grid easement, site sheds, housing
- Long life exploration licences, no royalites, no encumbrances
- Estimated \$30-50M in infrastructure and previous exploration

Future opportunity - Mt Carrington Area ALA75

Currently an Assessment Lease Application (ALA)



Drake - Unlocking a target-rich epithermal space¹





Drake – Over 100% increase in Historical workings identified¹

LiDAR Survey Interpretation

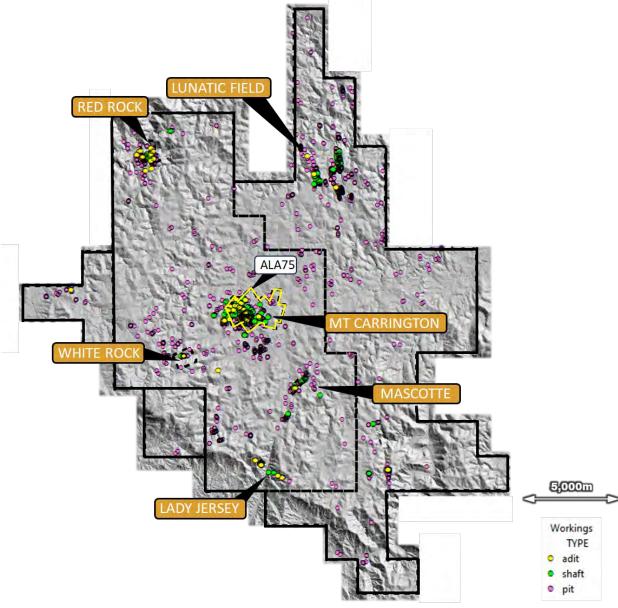
- 391 mine shafts
- 250 adits (mine tunnels)
- 2,726 trenches and prospecting pits
- **3,367** total historical mining features, increases from approximately **1,663**.

Extensive Mineral System Footprint

- Scale and density of workings highlights the size of mineral system present.
- New high potential areas identified for future exploration focus.
- Large number of shafts and workings have never been subject to modern surface sampling, geophysics or drilling.

Geophysical Review

- LiDAR facilitates enhanced interpretation of existing geophysical datasets.
- Interpreting outcrop allows for accelerated ground-truthing activities.



Advanced Exploration Prospects

Red Rock, White Rock, Emu Creek, Lunatic Field¹

Redrock - Epithermal Au-Ag (Cu-Zn-Pb) 1

- 228 AuEq gxm 143m at 1.1g/t Au, 3g/t Ag, and 0.9% Pb+Zn from 0m (RRDD009)
- 135 AuEq gxm 88m at 0.9g/t Au, 5g/t Ag, and 1.1% Pb+Zn from 0m (RRDD011)
- 150 AuEq gxm 121.6m at 0.7g/t Au, 3g/t Ag, and 1.1% Pb+Zn from 1m (RRDD004)

White Rock North – Epithermal Ag-Au¹

- 230 Au Eq gxm 37.1m at 0.2g/t Au, 422g/t Ag, 1.5% Pb+Zn from 0m (PWR128)
- 193 AuEq gxm 58.5m at 0.2g/t Au, 204g/t Ag, 1.1% Pb+Zn from 25.5m (PWR172)
- **196 AuEq gxm** 116.9m at 0.1g/t Au, 59g/t Ag, 1.7% Pb+Zn from 0m (WRDD031)

Emu Creek - Cu

The largest historical producing copper mine in the district

No modern exploration since 1970

Lunatic Field – Hillgrove Style Antimony²

Caledonian Reef: **29.2% Sb, 3.1g/t Au, 46g/t Ag** (80/M179)

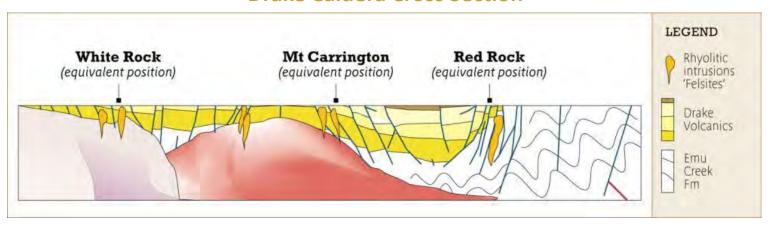
Hugh & Jackson Reef: **20.4% Sb,** 1.8g/t Au (80/M176), **15.8% Sb,** 0.25g/t Au (62145)

Deep Creek Sb Vein: **7.1% Sb,** 0.55g/t Au (62147)

Victoria Reefs: **39.0g/t Au,** 4g/t Ag (113919), 7.7g/t Au, 7g/t Ag (113917)

Collins Mine: **63.4g/t Au**, 6g/t Ag (62140), **56g/t Au**, 3g/t Ag (62141)

Drake Caldera Cross Section







Thomson Discovery Opportunity

Belt-scale exploration opportunity

Confirmed Intrusion related Au-Cu Potential

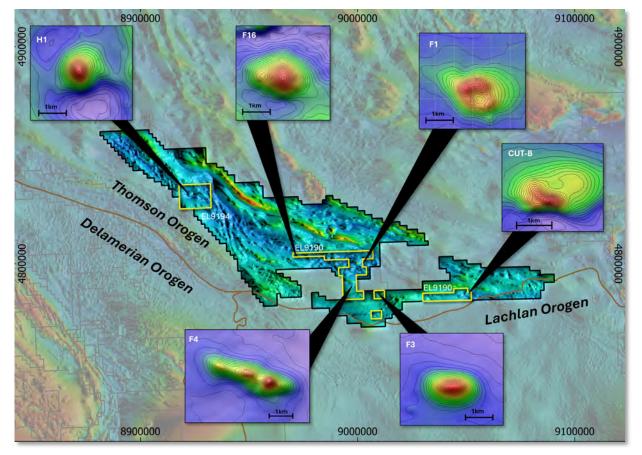
- Proof of concept confirmed in historic drilling
- Target rich environment
 - Numerous bulls-eye magnetic and gravity anomalies
- Large alteration footprints confirmed (tourmaline, biotite, silica and pyrrhotite)

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, EL9278 and examples of "bullseye" magnetic targets.

All magnetic targets shown here indicate a magnetic body >100Mt1.

Analogue Deposit¹

Havieron Deposit (Greatland Gold)¹

Au-Cu Intrusion Related Deposit

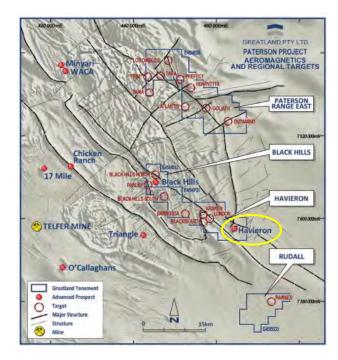
- Havieron is an intrusion- related system with gold and copper mineralisation hosted in breccia, vein and massive sulphide (<u>pyrrhotite dominant</u>) styles
- High grade gold and copper mineralisation discovered under more than
 400 m of post-mineralisation cover
- Drill testing of a coincident <u>magnetic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

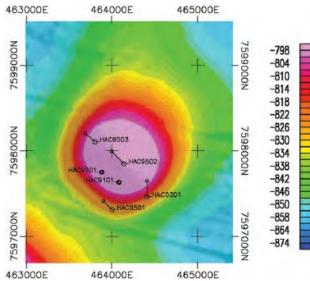


Meta-sedimentary host rocks;

Pyrrhotite related mineralisation; and

Related gravity high anomalies.

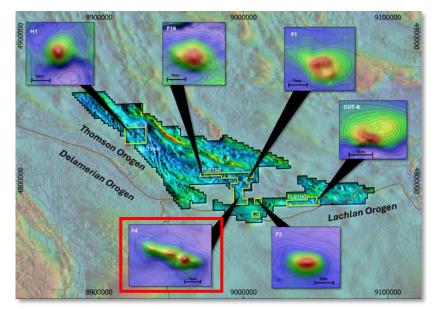


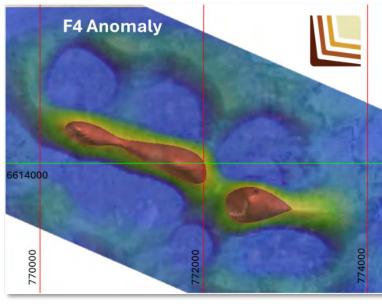




Highlight: F4 Anomaly Mag Modelling¹

Undrilled high priority target





Plan view of the F4 magnetic anomaly shells (>0.006 SI) over aerial image.

F4 Anomaly

Proposed drill hole

3D magnetic inversion model anomaly shells (>0.006 SI) (section 6613500mN, MGA94 z54).

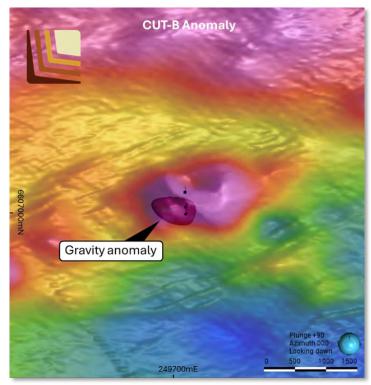
- Undrilled sub-linear magnetic anomaly
- Modelled magnetic body strikes WNW over an extent ~3km.
- No known nearby lithologies in the district to account for the features observed in the magnetic data
- Modelled magnetic geometry is not consistent with other known felsic-intermediate intrusives
- Magnetic body is modelled to come to within 160m of surface

CUT-B Anomaly¹

Compelling Geophysical Target

Confirmed Intrusion related Au-Cu Potential

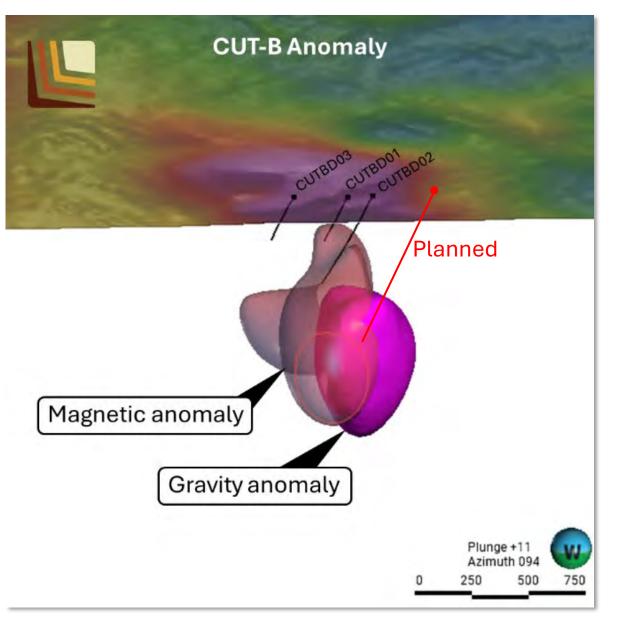
- Proof of concept confirmed in historic drilling
- Untested gravity anomaly along strike of strong and extensive alteration intercepted in drilling
- Proximal IRG-Cu pathfinders indicate nearby prospectivity



Plan view of the CUT-B magnetic and gravity anomaly.



ASX: LGM

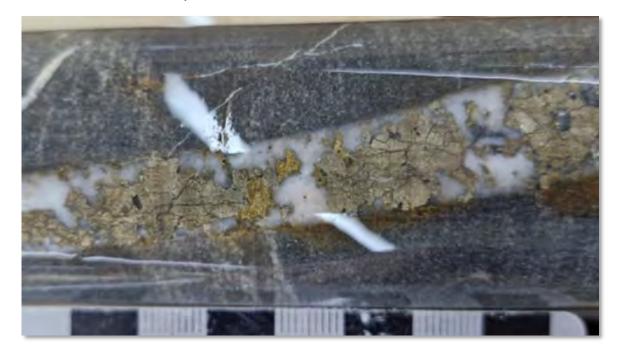


Untested gravity high anomaly (density >2.8) adjacent to magnetic anomaly shells (>0.005 SI) (section 249,700mE, MGA94 z55).

Significant Unsampled Core¹

Core cutting underway

- A significant amount of core remains unsampled from the 2011 drilling.
- LGM is undertaking a re-assay of ~1,000m of the core which will include multi-element analysis.



CUTBD03, 145m – Unsampled pyrite(brass-yellow)-pyrrhotite (brown-bronze) in quartz vein¹



CUTBD02, 419.8m – Unsampled arsenopyrite (grey) in quartz vein¹



CUTAD01, 433m – Unsampled pyrite (brass yellow) – chalcopyrite (yellow) quartz vein¹

<u>Cautionary Note – Visual Estimates of Mineralisation:</u> 'Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. See ASX Release LGM 9 December 2024 Thomson Drill Targets Announcement 4 December 2024 – Amended, for further information'

Deploying leading Geophysics – ANT & Gravity

Ambient Noise Tomography Deployment

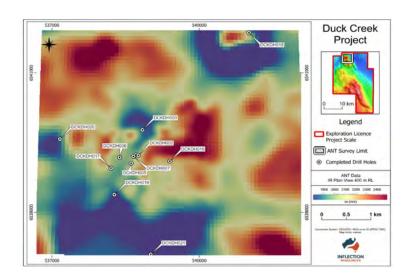
Large-scale, 3D subsurface data to identify belt-scale architecture including cross-arc structures that may direct fluid flow and influence the formation of large-scale intrusive bodies and mineral systems

ANT imaging being implemented by major mining companies

- 2024 Barrick Gold, Reko Diq porphyry Cu-Au for near-mine targeting¹.
- 2023-2024 Anglo Gold Ashanti (NSW Macquarie Arc)²

Drill target definition and regional geological model

Delivered best results for AngloGold Ashanti (Inflection drilling) in NSW³













Black Range

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

Significance of the known geology

- 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

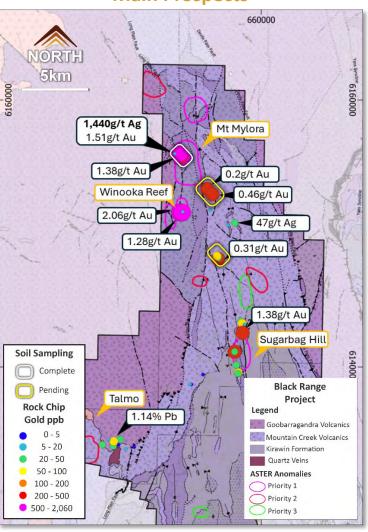
Large Scale Potential

- Interpreted to be a nested caldera setting with widespread epithermal style mineralisation.
- Rock chips up to 1,440g/t Ag and 2.06g/t Au underpin district potential³



Black Range Rock Chip

Main Prospects



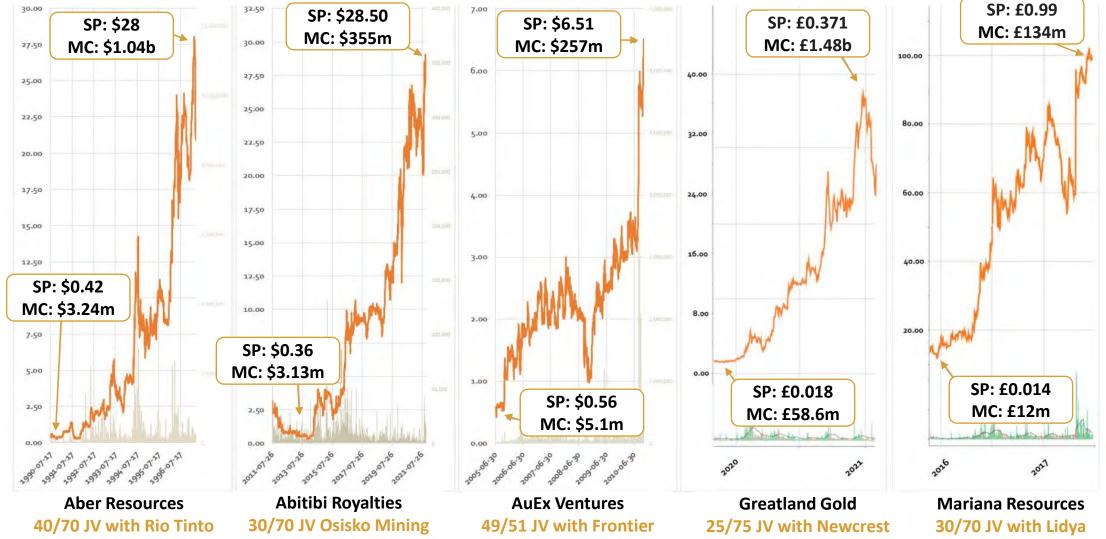
Black Range EL with solid geology showing major prospect





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

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





Bauloora – Newmont (\$15M)

Newmont

Drilling campaign underway

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

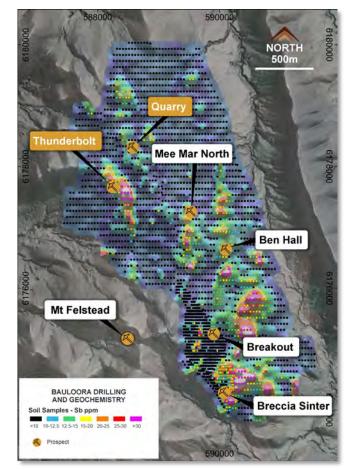
- Veins up to 3m wide at surface strike >2km
- 3,701g/t Ag, 6.9g/t Au, 6.4% Cu, and 55% Pb+Zn (0.2m face sample) 4
- 6m at 3.56g/t Au, 10.95g/t Ag, 0.22% Cu and 6.47% Pb+Zn (from 57m) 4

Cautionary Note – Visual Estimates of Mineralisation: 'Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. See ASX Release LGM 25 November 2024 Drilling Underway at the Bauloora Project - Amended

Primary Vein Field and Current Targets



Example of outcropping epithermal chalcedony-quartz vein at the Quarry Prospect (no estimated sulphides, no samples taken)⁵



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



Fontenoy – EarthAl Alliance (\$4.5m)

Drilling Underway

Discovery Drillhole – February 2024^{1,4}

- 120m at 0.3g/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
- 200m at 0.15g/t 3E PGE*

Joint Venture Terms²

- \$4M earn in over 4 years
- Minimum commitment to drill
- LGM loan carried through to commercial production at 20%

Unlocked potential for magmatic-related PGE-Ni-Cu

Deposit styles such Nova-Bollinger (IGO) and Julimar (Chalice)³.

PGE's and Nickel listed as Critical and Strategic Minerals

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

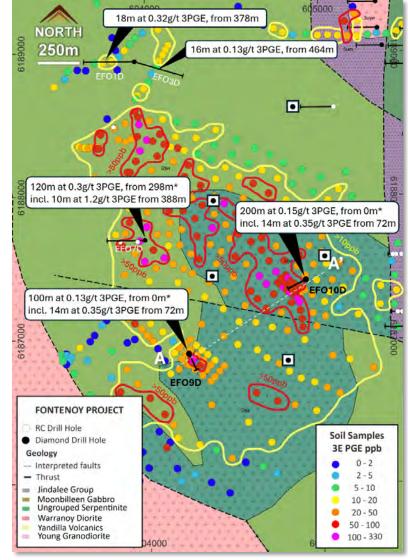
Shareholders are exposed to cutting edge AI

Strong potential to make further discoveries



* No cut off grade

EARTH AI



Fontency Soil Footprint and Driling⁴

Glenlogan – S2 Resources JV (\$6m)



Highly encouraging first drill results

Preliminary Drill Observations

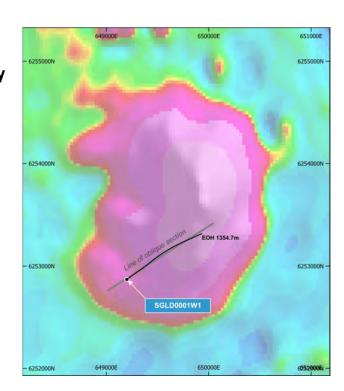
- Late magmatic chalcopyrite and elevated copper
- May represent the fringes of a nearby potentially mineralised porphyry intrusion as yet untested by drilling

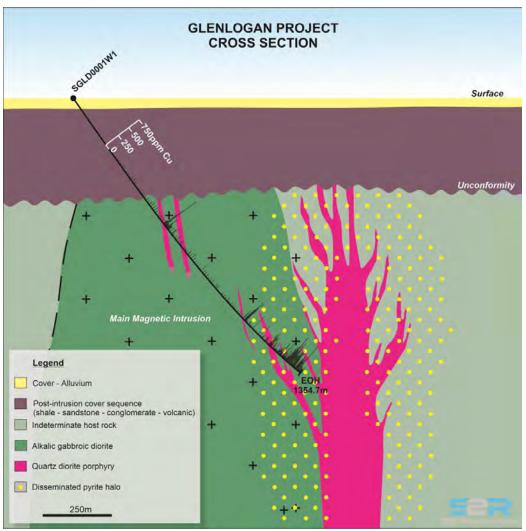
Joint Venture Terms

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

Partnership with a leading exploration company

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

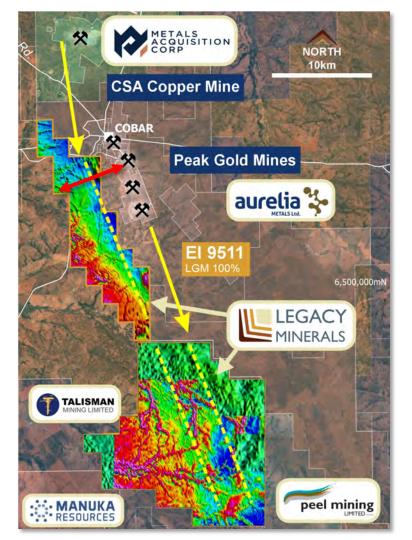




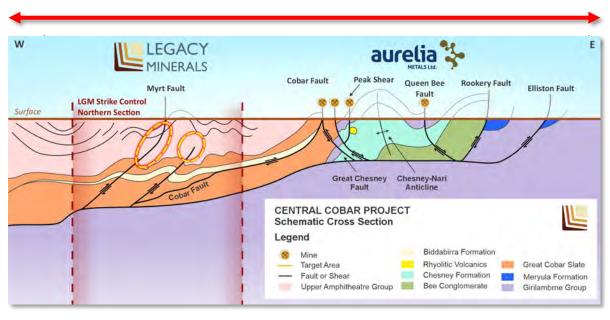


Central Cobar – Helix JV (\$2.8M)

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



Timeframes and Discovery Catalysts

Ongoing drilling and target generation







Q4 - Dec Bauloora Drillina





Q1 - Jan/Feb Bauloora **Drilling Results**

Thomson **Drilling**

Q1 - Jan/Feb Fontenoy **Drilling Results**

Thomson

Historical drillcore analysis

Q1/Q2 - Mar/April

Drake

Drilling

Thomson

Drilling Results

2024

2025 Q1-Q2



Target Generation

Q4 - Dec Thomson ANT/gravity underway

Drake **LiDAR Results** Resource update commenced Q1 - Jan Thomson ANT/gravity results

Drake Resource update Airborne MT underway Q2 - Feb Drake

Airborne MT results

Mt Carrington (ALA update)

MRE Update





Appendices – Endnotes

Intro Slide 3: 1 Blue Ocean Equities, Waratah Minerals Research Initiation (8 October 2024), Australia's Identified Mineral Resources 2023, Mineral Exploration, 1 March 2024, Geoscience Australia

Drake Slide 8: 1 World Gold, 2 Pacific Rim Epithermal https://corbettgeology.com/wp-content/uploads/2016/07/corbett_pacific_rim_epithermal_au.pdf,

2 ASX LGM Release 29 October 2024 3,050gt Silver and 79gt Gold in Historical Drake Drilling, Slide 9: 1 ASX LGM Release 29 October 2024 3,050gt Silver and 79gt Gold in Historical Drake Drilling Slide 10: ASX Release LGM 16 December 2024 Over 100% Increase in Historical Mines identified at Drake Slide 11: 1 ASX LGM Release 29 October 2024 3,050gt Silver and 79gt Gold in Historical Drake Drilling; ASX LGM Release 16 Sep 2024 29% Antimony Rock Chips Identified in Drake Project Review

Thomson Slide 13: ASX Release LGM 9 December 2024 Thomson Drill Targets Announcement 4 December 2024 – Amended, **Slide 14**: **1** AIM release GGP 21 December 2023, Havieron Mineral Resource Estimate update, Exceptional Mineral Resource growth continues at Havieron. **2** Hanneson, J. E., & Baxter, C. N. (2022). Discovery of the Havieron Gold-Copper deposit, WA. Preview, 2022(219), 42–47. **Slide 15**: **1** ASX Release LGM 9 December 2024 Thomson Drill Targets Announcement 4 December 2024 – Amended

Slide 16: 1 ASX Release LGM 9 December 2024 Thomson Drill Targets Announcement 4 December 2024 – Amended, **Slide 17: 1** ASX Release LGM 9 December 2024 Thomson Drill Targets Announcement 4 December 2024 - Amended

Slide 18: 1 Gold Fields Taps ExoSphere To Advance Exploration at Salares Norte in Chile, 3 October 2024 2 Fleet Space's ExoSphere Enhances Barrick Gold's Data-Driven Copper Exploration at Reko Diq, 9 July 2024

Slide 20: ASX Release LGM 18 July 2024, Diamond Drilling Assays Returned at Sugarbag Hill, Black Range and Project Wide Exploration Update. Slide 23: 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, 5: ASX LGM 25 November 2024 Drilling underway at the Bauloora Project - Amended

Slide 24: 1 ASX LGM Release 25 October 2024 Platinum & Palladium Drilling Underway at Fontenoy, ASX LGM 26 February 2024 Artificial Intelligence makes Magmatic PGE-Ni-Cu Discovery, 2: ASX LGM 3 May 2022 Strategic Exploration Alliance with AI Explorer 3 IGO Ltd, https://www.igo.com.au/site/operations/nova3 Chalice Mining Limited, https://chalicemining.com/gonneville/

Slide 25: 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, ASX LGM: 3 September 2024 S2R: Glenlogan Drilling Update

Slide 26: 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

Joint Ventures Slide 27: GoldDiscovery Group, <a href="https://www.linkedin.com/posts/golddiscovery-media-b-v_why-buy-a-junior-miner-with-a-minority-stake-activity-why-a-junior-miner-with-a-minority-stake-activity-why-buy-a-junior-miner-with-a-minority-stake-activity-why-activity-why-buy-a-junior-miner-with-a-minority-why-buy-a-junior-miner-with-a-minority-why-buy-a-junior-miner-with-a-minority-why-buy-a-junior-with-a-m

