# **ASX ANNOUNCEMENT**



25 NOV 2022

# **AGM Managing Director's Presentation**

Legacy Minerals Ltd (ASX: LGM, "Legacy Minerals" or the "Company") is pleased to advise that the presentation that will be made at today's Annual General Meeting by Chief Executive Officer and Managing Director, Mr Christopher Byrne is available on the Company's website.

A copy of Mr Byrne's presentation is attached.

Approved by the Board of Legacy Minerals.

#### For more information:

**Chris Byrne** 

CEO & Managing Director <a href="mailto:chris.byrne@legacyminerals.com.au">chris.byrne@legacyminerals.com.au</a>

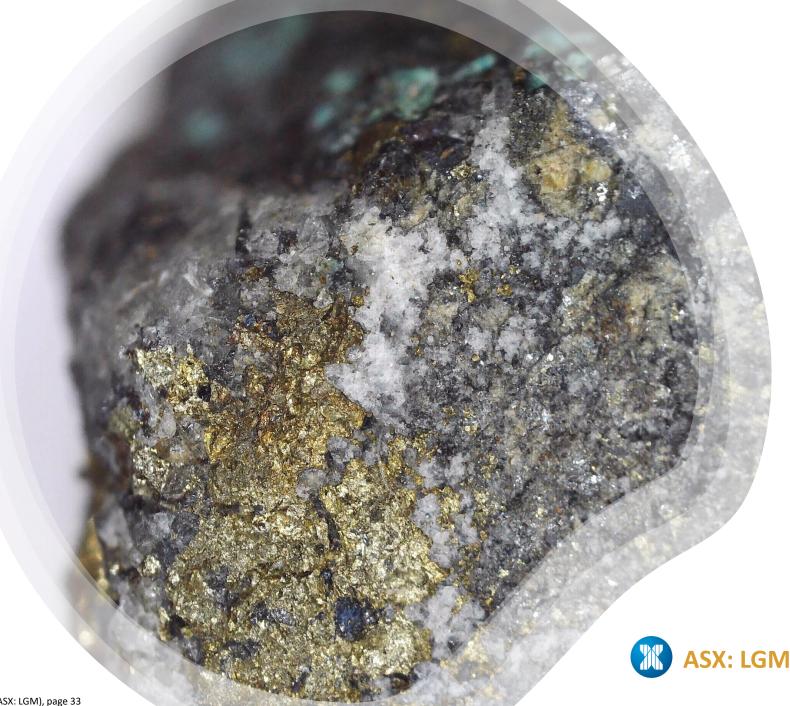
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# **Company Presentation**

**Annual General Meeting - 2022** 



**Christopher Byrne, CEO and Managing Director** 

# **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.



# **Portfolio**

Bauloora Au-Ag Epithermal

Rockley Cu-Au Porphyry

Cobar Au-Cu Cobar Type

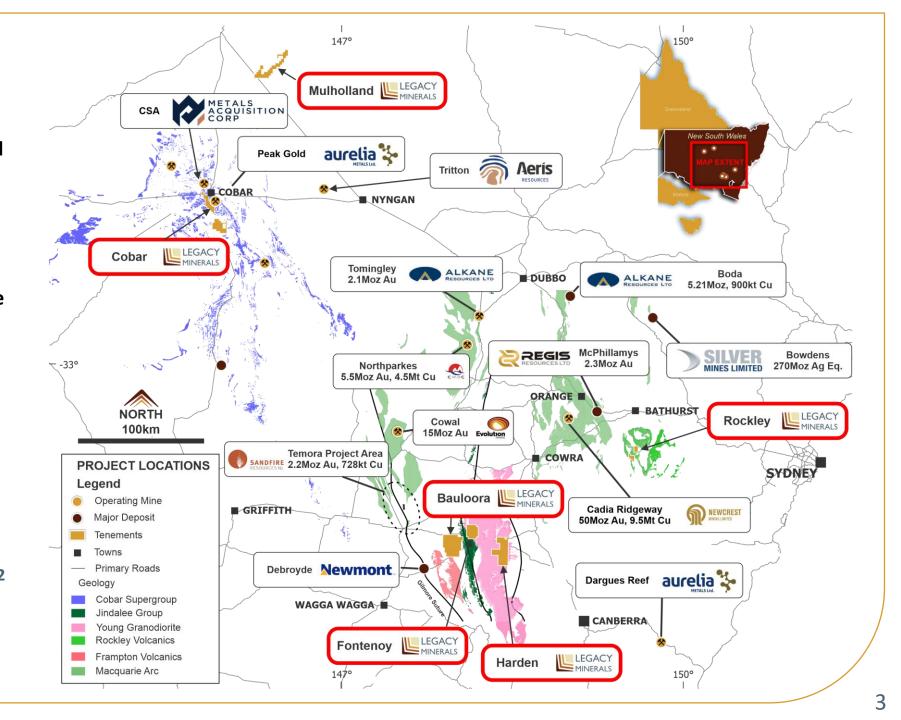
Fontenoy Cu-Au Porphyry

Mulholland Ni-Sn Skarn

Harden Au Orogenic

100% Ownership of 1,528km<sup>2</sup>



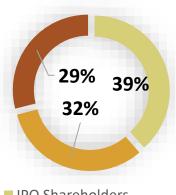


# **Company overview**

#### CAPITAL STRUCTURE<sup>1</sup>

<b>ASX Share Price</b>	\$0.16
Shares on Issues	75.2M
Options on Issue (\$0.3)	4.9M
Market Capitalisation	\$12M
Cash (at Sep-30)	\$2.2M
Debt	Nil
Top 20	64%

#### **ISSUED CAPITAL**







# 95

**Dr David Carland**Non-Executive
Chairman



**Douglas Menzies** Non-Executive Director



Matthew Wall Non-Executive Director



Christopher Byrne
CEO & Managing
Director



Thomas Wall
Exploration Manager
& Executive Director

#### **DIRECTORS**

Investment banker with over 40 experience. Has held senior positions at UBS, Bankers Trust, CRA (now Rio Tinto). David was recently the Non-Executive Chair of Rex Minerals (RXM).

Geologist with 28 years of widespread experience in the porphyry gold-copper districts of PNG and Australia, epithermal gold-silver projects in Australia, Indonesia, Fiji, Laos, Chile. Doug has held positions at Rio Tinto, Wafi-Golpu, and is a director at Godolphin Resources (GRL)

Commercial specialist with over 35 years of experience in metals and mining across sales, marketing, logistics, trading, and risk management. Matt has held senior management roles with Rio Tinto, EDF Trading and Wood Mackenzie and is a director with Allegiance Coal (AHQ)

#### **MANAGEMENT**

Electrical Engineer with diverse experience in the mining sector with Anglo American across maintenance, operations, and capital works. Proven record of delivering large and complex mining and infrastructure projects in greenfield and brownfield environments

Geologist with wide ranging exploration industry experience with senior roles at Peak Gold Mines and New South Resources. Demonstrated exploration and mining success across a variety of commodities and deposit styles

# 2022 – A Year in review

# **Drilling – Bauloora and Harden**

- Successful maiden drill campaigns across two projects
- High grade and shallow results included intercepts of:
  - 9m at 8.4g/t Au Eq. from 145m (Bauloora)
  - 5m at 7.06g/t Au from 110m (Harden)

#### **Generative Works**

- Significant progress in defining a large, district scale project at Bauloora
- Systematic work identifying targets across Cobar and Rockley

### Strategic Alliance - Earth Al

- 'First of type' deal on the ASX for a junior explorer
- Gives accelerated exposure to discoveries while LGM remains focused at Bauloora

# **Company**

- New Shareholders 44% growth in shareholders in 12 months
- No safety or environmental incidents
- Remaining focused on our portfolio and on gold and copper

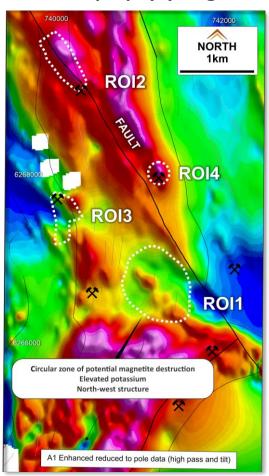




# **Depth of Projects in World Class Location**

**Rockley** 

Widespread copper across untested porphyry targets<sup>1,2</sup>



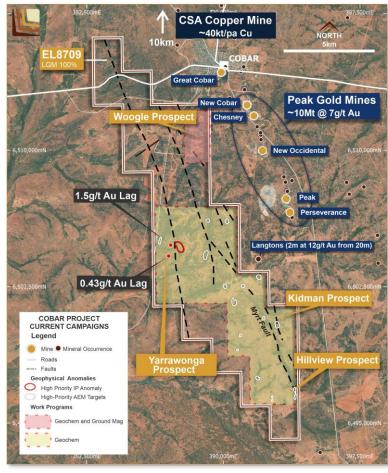
Harden

High-grade gold intercepted<sup>3</sup> across historical mining district (0.46Moz)<sup>4</sup>



Cobar

Positioned in the heart of the Cobar Basin with untested gold geochem targets



<sup>1:</sup> ASX: LGM 4 April 2022: Extensive Copper and Gold in Rock Chips and Rockley 2: ASX: LGM 27 July 2022 Geophysics Defines Porphyry Copper-Gold Targets at Rockley , 3: ASX: LGM 5 October 2021 Additional High-Grade Gold Assays at Harden, 4: Company's Prospectus dated 28 July 2021 lodged 9 September 2021 (ASX: LGM)

# Realising value through strategic transactions

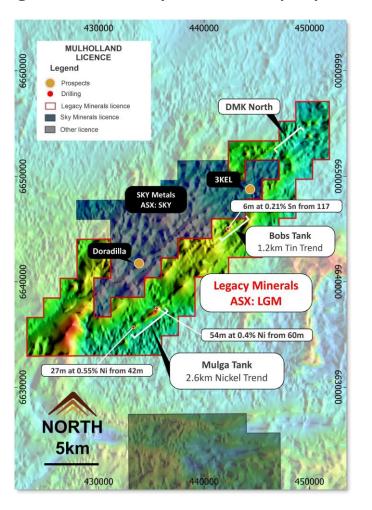
# **Fontenoy**

8km of copper and gold mineralisation with limited drill testing

#### 24m @ 0.17g/t Au, 0.24% Cu 79m @ 0.27% Cu from 1.5m (incl. 19.8m @ 0.21g/t Au, 0.33% Cu) ncl. 5m @ 0.40g/t Au, 0.47% Cu) 4m @ 0.30g/t Au , 0.43% Cu **Fontency North** 22m @ 0.67g/t Au 0.34% Cu from 20m 26m @ 0.44g/t Au, 0.11% Cu Nubba 6.185.000mN **FONTENOY PROJECT** PROJECT GEOLOGY Wallendbeen Legend o Drill Collar Legacy Tenement Mineral Occurrence 14m @ 0.72g/t Au Nickel 0.37% Cu from 108m Chromium Manganese Gold --- Interpreted faults --- Faults axis - Thrust Alluvium Brawlin Formation Jindalee Group Moonbilleen Gabbro Ungrouped Palaeozoic serpentinite Wambidgee Serpentinite NORTH Warranoy Diorite Yandilla Volcanics Young Granodiorite

### **Mulholland**

Known skarns and untested anomalies with several significant drill ready nickel and tin prospects



#### **Earth Al**

Strategic Alliance putting LGM at the exploration forefront

- Exposure for LGM shareholders to the priority AI owned by Earth AI (EAI)
- EAI have locally based drilling operations
- EAI will spend pp to \$4.5M over 2 years
- Unlike a 'classic JV' purely success based
- LGM retain 100% ownership



Accelerated exposure to discoveries while LGM remains focused at Bauloora

NSW's largest underexplored low sulphidation epithermal



# Primed for a breakthrough discovery

# ✓ District scale control − 330km² license

- Alteration across 150km<sup>2</sup> zone
- 27km² low sulphidation vein field
- 15km² gold zone (>0.2g/t Au in rock chips)

# **✓** Untested potential

- Previously unrecognised opportunity
- 1 drill hole every 75ha, average depth 88m

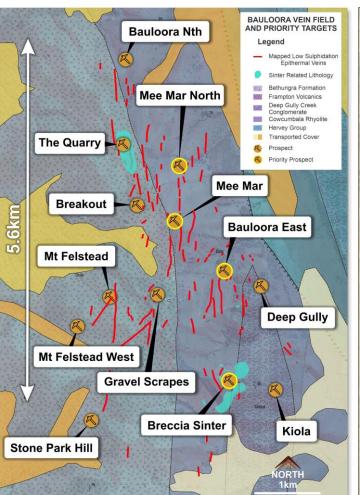
# **✓ High-Grades and Extensive Veining**

- High-grade gold, silver and base metals
- Veins at surface mapped for >2km
- Vein widths up 3m at surface

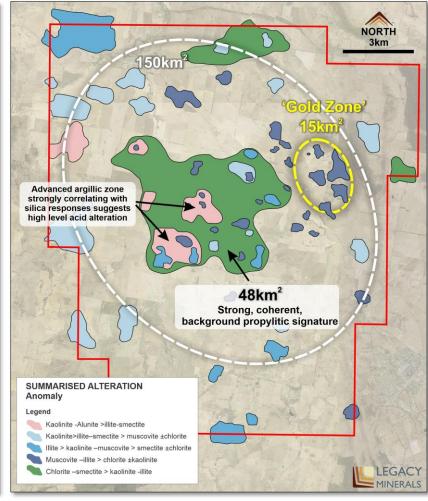
# System Preservation

- Widespread recognition of sinter
- Strongly elevated in Hg, Sb, and As
- **✓** Surrounded by infrastructure
- **Exceptional metallurgical recoveries**

# **Primary Vein Field**



### **Bauloora Project**



Current combined extent of low-sulphidation epithermal-style goldsilver mineralisation textured veins and sinter related lithology Bauloora tenure (red) with ASTER interpreted propylitic signature and anomalous spectral responses shown and currently defined 'gold zone'

# **Scale Comparison**

- The Bauloora vein field is of similar scale to typical multi-million oz vein fields found globally<sup>1</sup>
- The Company is actively stepping out and mapping the system which is <u>open in all directions</u>
- Pajingo (Australia)
  ~40km2 (2015)
  4.5Moz Au

  Cerro Negro (Arg)
  Marianas-San Marcos Vein
  ~35km2 (2016)
  4.69Moz Au Eq.

  Bauloora
  San Jose (Arg)
  ~20km2 (2010)

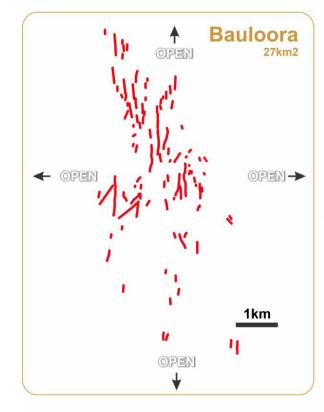
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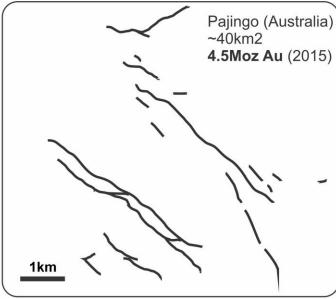
  Gosowong (Indonesia)
  ~38km2 (2008)
  5Moz Au

  27km2

Vein Field Area (km²)

# **Vein Fields**









1.48Moz Au, 99Moz Ag

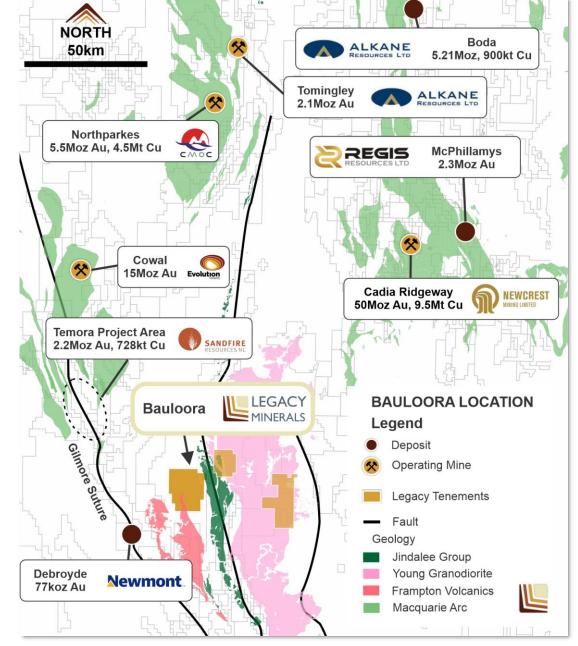
# **Regional Setting**

# NSW - home to several large low-sulphidation systems

- Cowal, Evolution Mining, ~15Moz<sup>1</sup>
  - 'Gold Zone' defined by 15km<sup>2</sup> of >0.1g/t Au
- Bowdens, Silver Mines 275Moz Ag Eq<sup>2</sup>
  - Australia largest undeveloped silver deposit
- Mineral Hill, Kingston Resources
- Bauloora (100% Legacy Minerals)
  - 'Gold Zone' defined by 15km<sup>2</sup> of >0.2g/t Au in rock chip sampling

# **BAULOORA**

"Scale, grades with exceptional metallurgy in a world class location"





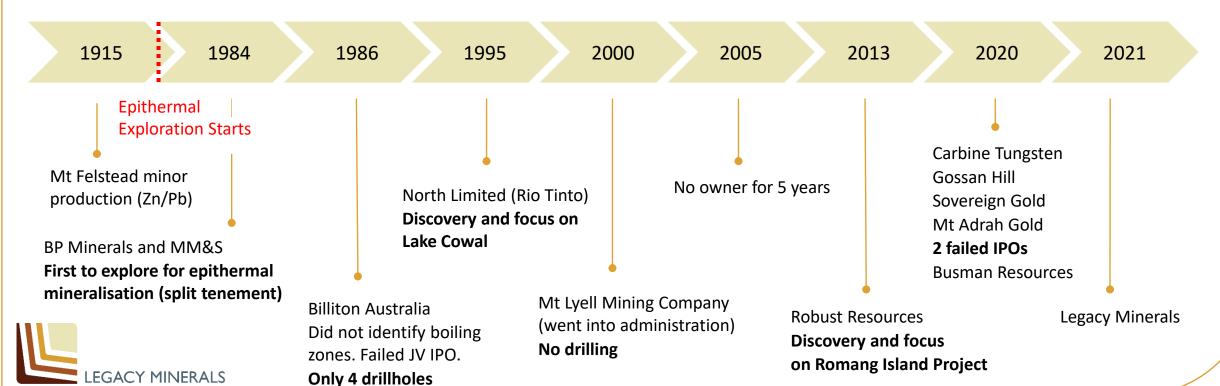
# Why does the opportunity still exist at Bauloora?

# No drilling, no discovery

- Only 8 diamond and 29 RC drill holes over 50 years (1 drill hole per 72 ha)
- No modern geophysics
- Held by major companies distracted by other successes
- Individual puzzle pieces no holistic systematic work

# LGM's approach is different

- Recognised as a priority asset and focus on putting the puzzle pieces together
- Works programs fully funded
- Modern systematic exploration underway
  - Proving up scale



# Bauloora – LGMs' Project Approach

**TARGET** 

**Bauloora Tenement Size** 

**Hydrothermal Alteration Zone** 

Vein Field(s)

Gold Zone(s)

**Vein Trend Strikes** 

**Mineralised Shoots** 

**SCALE** 

330km2

42km2

27km2

15km2

1-3km

150m x 150m

### **OBJECTIVE – SYSTEMATIC EXPLORATION**

# Ongoing regional exploration to expand target pipeline

- Geochemical sampling to define new vein trends
- District scale geophysical programs and geological mapping

### Test all priority mineralised trends to vector to mineralised shoots

- Untested vein trends defined by soil and rock chip geochemistry
- Geophysics and geological mapping to target trends at surface

# Discovery of several mineralised shoot

- Extensions, parallel structures of mineralised shoots
  - Shallow drilling at new prospects
  - Deeper drilling at known prospects



# Proven grades and widths in drilling

# Mt Felstead Prospect<sup>1</sup>

- 9m at 8.4g/t Au Eq. from 145m inc. 2m at 24.1g/t Au Eq. from 148m
- 3m at 7.1g/t Au Eq. from 149m

### **Mee Mar Prospect**

- 3m at 5.8g/t Au Eq. from 69m (HB1)
- 5m at 1.8g/t Au Eq. from 70m (HB4)

# **Breccia Sinter Prospect**

6m at 0.95g/t Au from 6m incl. 2m at 1.95g/t Au

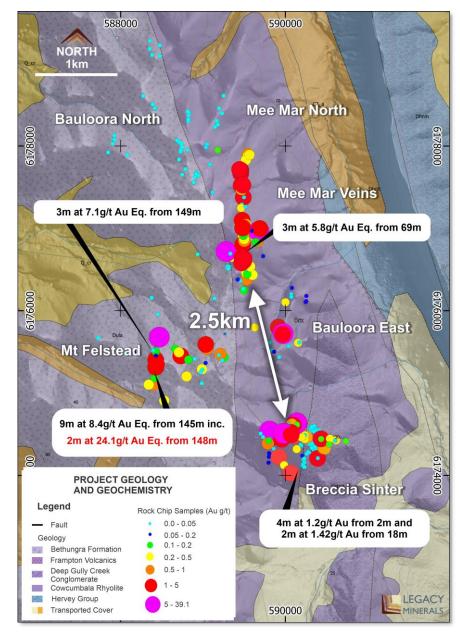
# Representing the tip of the iceberg?

- Potential to represent top of a larger system
- These systems are known for vertical zonation and world-class low sulphidation systems develop at depth

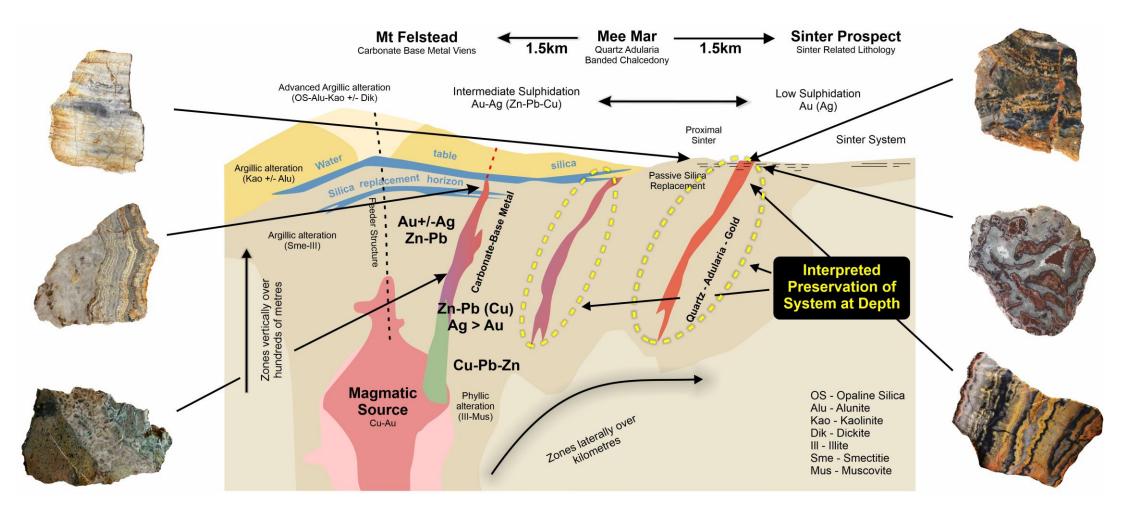
# Multiple undrilled targets across the district

<u>Drilling areas constitute less than 1% of the anomalous gold zone</u>

Bauloora gold reported equivalents are based on assumptions: AuEq(g/t)= Ag(g/t)+49\*Zn(%)+32\*Pb(%) and ZnEq(%)= Zn(%)+0.021\*Ag(g/t)+0.648\*Pb(%) calculated from 31 August 2022 spot prices of US\$1,710/oz gold, US\$18.88/oz silver, US\$3,540/t zinc, US\$7,719/t copper, US\$1,949/t lead and metallurgical recoveries of 88.3% gold, 96.9% silver, 97.4%, zinc, 94.6% copper, and 95.5% lead which is 3rd stage rougher concentration stage average recoveries in test work commissioned by LGM and reported in the ASX announcement dated 4 July 2022 titled "Exceptional Gold-Silver-Lead-Zinc Recoveries at Bauloora". It is LGM's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.



# **Bauloora Epithermal System**





Interpreted depositional setting with rock sock samples from the Bauloora Project based on vein texture relationships¹ (adapted from GlobalOre)

# Mee Mar Prospect – >2km Strike Length

**Bonanza Grades at Surface** 

Rock chips up 39.1g/t Au, 467g/t Ag, 1,810ppm Sb, 39ppm Hg

**Significant Scale** 

Qtz-Cal-Adularia and breccia Au bearing veins that strikes for >2km **Best Surface Gold Results Undrilled** 

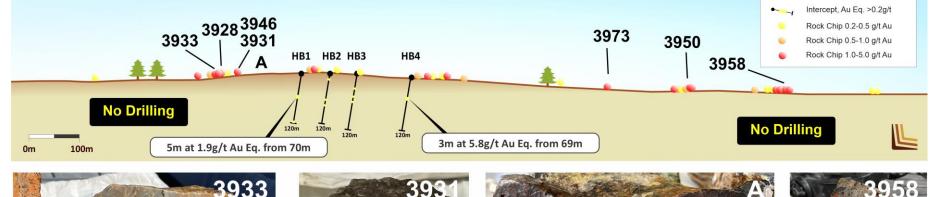
Limited historical drilling 12 years ago 4 RC holes) to only 120m EOH

Widespread recognition of sinter

6178000N

**High Level in the System** 

6177000N 2km MEE MAR VEIN PROSPECT 2km Long Section













# **Strategic Direction and Exploration - 2023**

LGM's plan to progress its vision of realising shareholder value through discovery

**Exploration** 

**Discovery** 

**Development** 

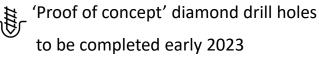
**Production** 

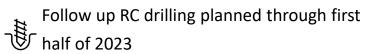
#### **Bauloora**

#### **Project Stage**

- Drill targets defined and ready for testing
- Ongoing regional exploration

### **Key Activities**





#### **Goals and Objectives**

- Demonstrate the potential of the system through discovery drilling
- Priority project over other LGM tenements for high-cost activities

# **Rockley and Cobar**

### **Project Stage**

Ongoing systematic work

### **Key Activities**

Geochemistry programs and geophysics

### **Goals and Objectives**

Further define drill targets and investigate opportunities to progress tenements

### Harden

### **Project Stage**

Drill ready targets

#### **Key Activities**

 Drill targeting and desktop studies while focused on Bauloora

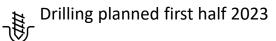
# **Fontenoy and Mulholland**

### **Project Stage**

Target generation through AI

### **Key Activities**

- Al deposit targeting
- Ground truthing



### **Goals and Objectives**

 Demonstrate the potential of the system through discovery drilling

# **SUMMARY**



District scale gold discovery opportunity – Bauloora



Value leveraged to exploration success



Depth of projects in a Tier 1
Province



Focused on delivering shareholder value



**Exploration forefront with Artificial Intelligence** 

