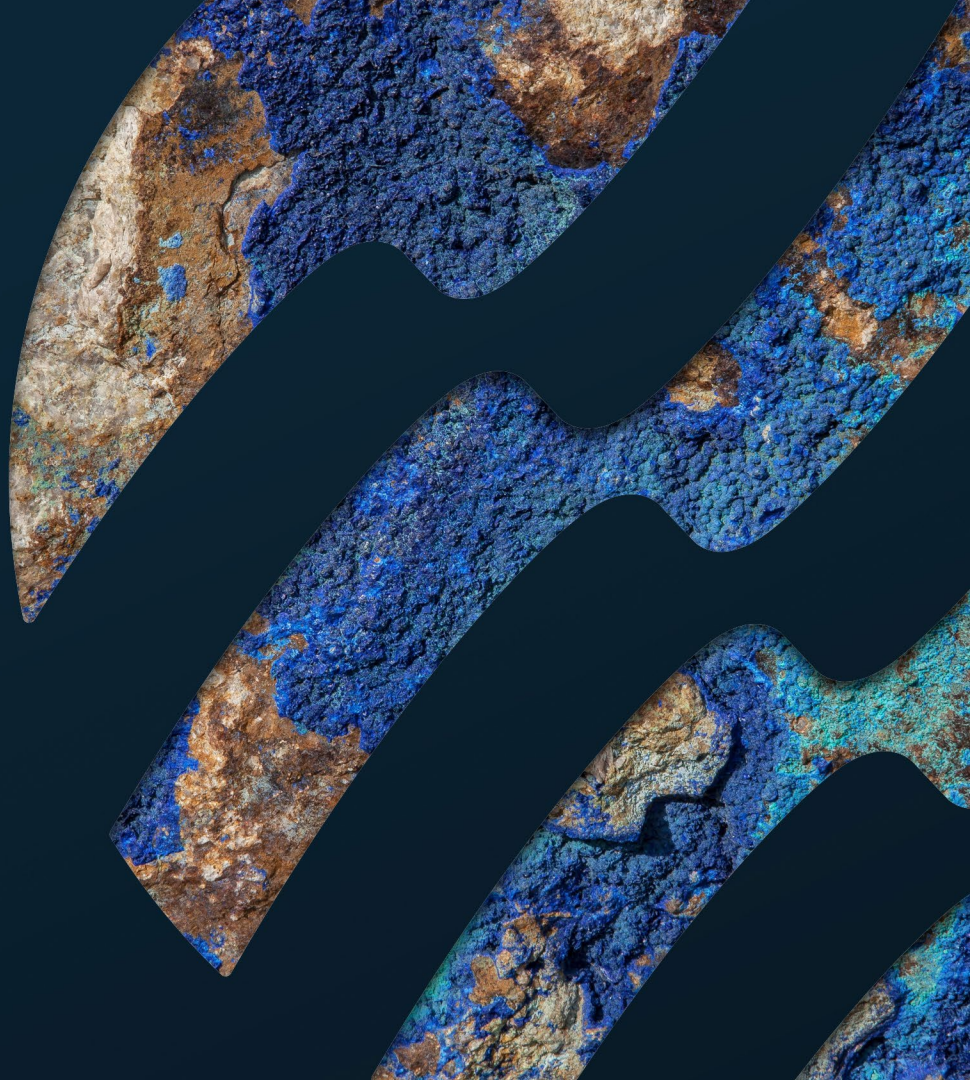




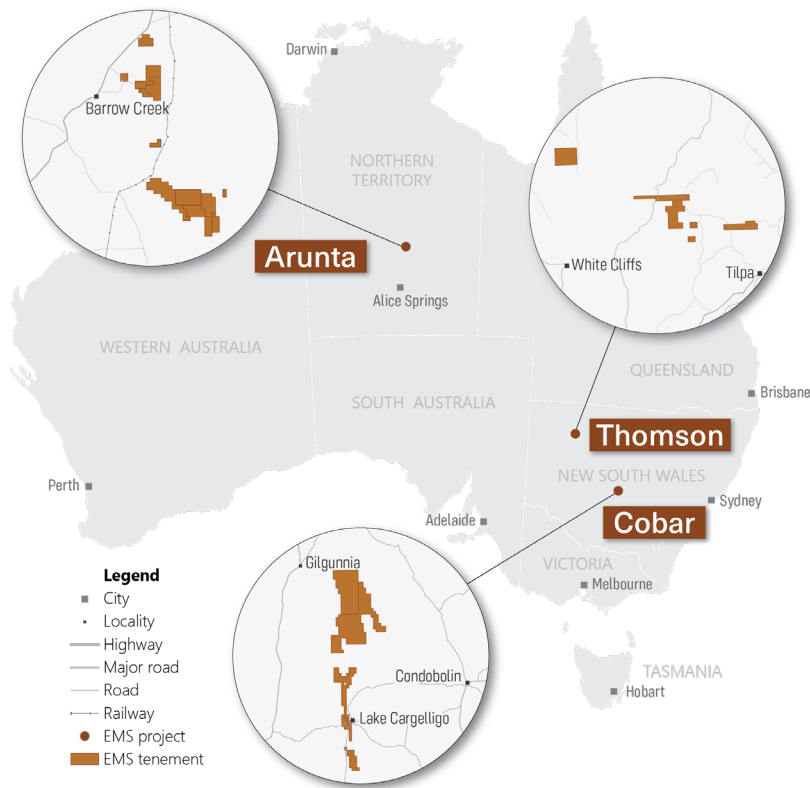
**EASTERN  
METALS**

**General Meeting**  
**Wednesday 10 July 2024**



# OVERVIEW – EASTERN METALS' ASSETS

## EXPLORING FOR METALS VITAL TO ENERGY SECURITY



### Base metals exploration in tier-one mineral provinces

#### Arunta Project (NT)

- Home of Bullion deposit hosts a Mineral Resource Estimate\* of **3.1 million tonnes** grading @ **2.9% CuEq**

#### Cobar Project (NSW)

- Browns Reef** zinc-lead-copper-silver deposit in the world-class **Cobar Basin**

#### Thomson Project (NSW)

- Divested for \$200,000 cash plus a 1.5% royalty** to Legacy Minerals Holdings Ltd (ASX:LGM)

\* Eastern Metals Ltd (ASX:EMS) ASX Announcements 8 & 10 March 2023, 'Resource Grows at Home of Bullion Copper Project'

\* Eastern Metals Ltd (ASX:EMS) ASX Announcement 24 June 2024, 'Thomson Project Sold For \$200,000 Plus 1.5% Net Smelter Royalty'

# CORPORATE SNAPSHOT

ASX:EMS



**Bob Duffin**  
Non-Executive Chair



**Dr Jason Berton**  
Independent  
Non-Executive Director



**Mark Dugmore**  
Independent  
Non-Executive Director



**Ian White**  
Independent  
Non-Executive Director



**Ley Kingdom**  
Chief Executive Officer

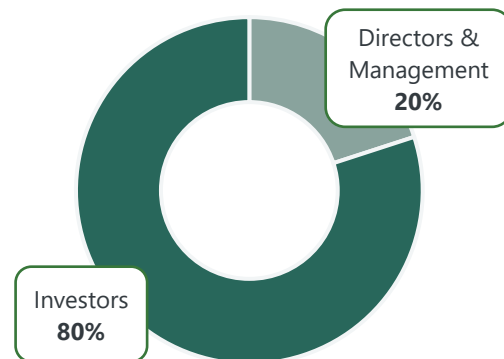


**Ian Morgan**  
Company Secretary &  
Chief Financial Officer

## CAPITAL STRUCTURE

<b>Shares on issue</b>	98,826,245
<b>Unlisted options*</b>	46,887,701
<b>Market capitalisation</b>	A\$3M
<b>Share price</b> (9 July 2024)	A\$0.030
<b>Cash</b> (31 March 2024)	A\$1.1M
<b>Debt</b>	Nil

\*\$0.30 (26,550,000) and \$0.10 (20,337,701) strike prices



# COPPER & ZINC – ‘ENERGY TRANSITION’ METALS



## COPPER –

- **Pivotal to everything that requires electricity** i.e. energy transmission
- Today, **22% of overall copper demand comes from energy** – that percentage is likely to **increase in the next 2-3 decades**, due to structural changes in how we consume and produce energy
- JP Morgan report ‘*Eye on the Market: Electravisión*’ by Michael Cembalest:
  - It’s now estimated that **the ‘AI revolution’ will require more power in the US than a future fleet of EVs**

## ZINC –

- Demand driven by galvanisation to **protect steel, batteries, solar panels, offshore wind turbines, electric vehicles**
- Global **zinc inventory at historic lows**

### Sources:

- \* Financial Times, ‘Copper producers warn of lack of mines to meet demand for metal’, 9 October 2023
- \* Doomberg ([doomberg.substack.com/p/fission-chips](https://doomberg.substack.com/p/fission-chips)), ‘Fission Chips’, 7 November 2023
- \* BMO Global Commodities Research, ‘Copper: 2024’s “bad year” disappears’, 10 December 2023
- \* mining.com, ‘Gates, Bezos-backed KoBold Metals says Zambia copper find largest in a century’, 5 February 2024
- \* JP Morgan Asset & Wealth Management, ‘Eye on the Market: Electravisión’, Michael Cembalest, 5 March 2024
- \* Sprott, ‘The Elements of Energy: Uranium and Copper’, 7 March 2024
- \* Doomberg ([doomberg.substack.com/p/prime-time](https://doomberg.substack.com/p/prime-time)), ‘Prime Time’, 12 March 2024
- \* [www.investopedia.com/terms/d/doctor-copper.asp](https://www.investopedia.com/terms/d/doctor-copper.asp)

# ARUNTA PROJECT (NT)

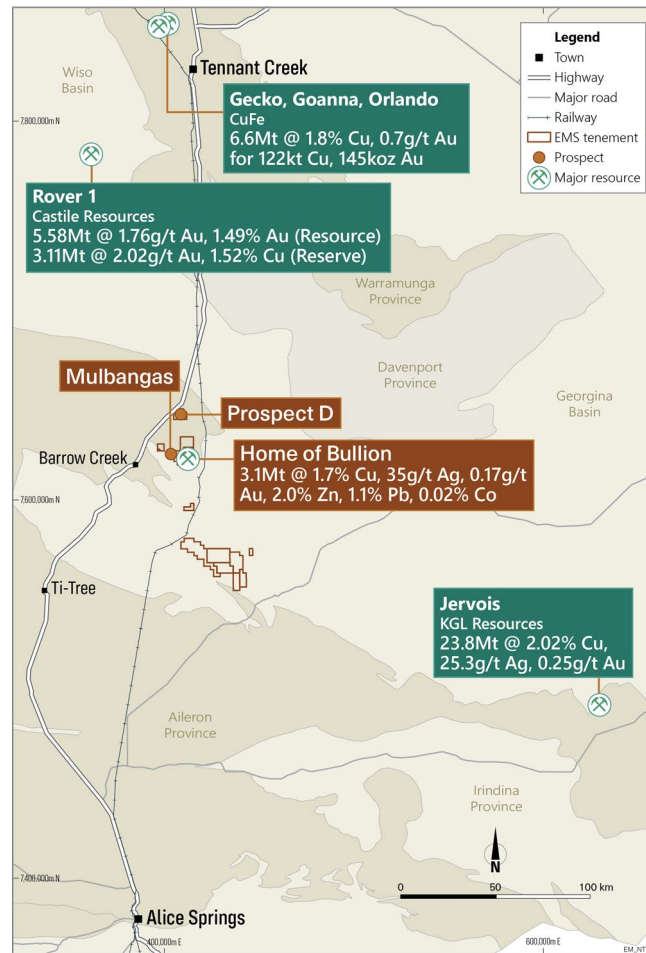
## STRATEGICALLY LOCATED TENEMENT PACKAGE



- **Home of Bullion** was discovered circa 1923, and to 1949 produced 3,185 tonnes of ore at 22.5% Cu\*

Photo: State Library of South Australia [B 64383/149]

\* <https://www.mindat.org/loc-294346.html>



ASX:EMS

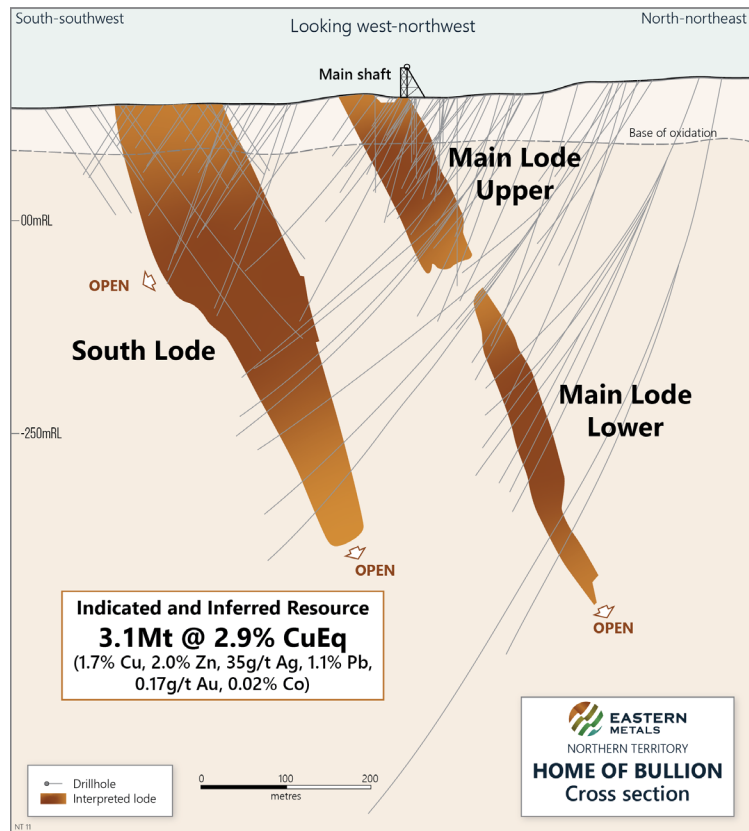
- **Home of Bullion**, 3.1Mt @ 2.9% CuEq
- **Prospect D**, Cu-Ni mineralisation mapped for ~2km
- **Mulbangas**, Cu prospect, ~9km along strike from Home of Bullion
- **Strategically located** between the Stuart Highway, Darwin-Adelaide railway line + gas pipeline

\* Resource information extracted from each company's website, market announcements, presentations and reports lodged during the FY2024 period



# ARUNTA PROJECT – HOME OF BULLION (NT)

## EXISTING COPPER RESOURCE

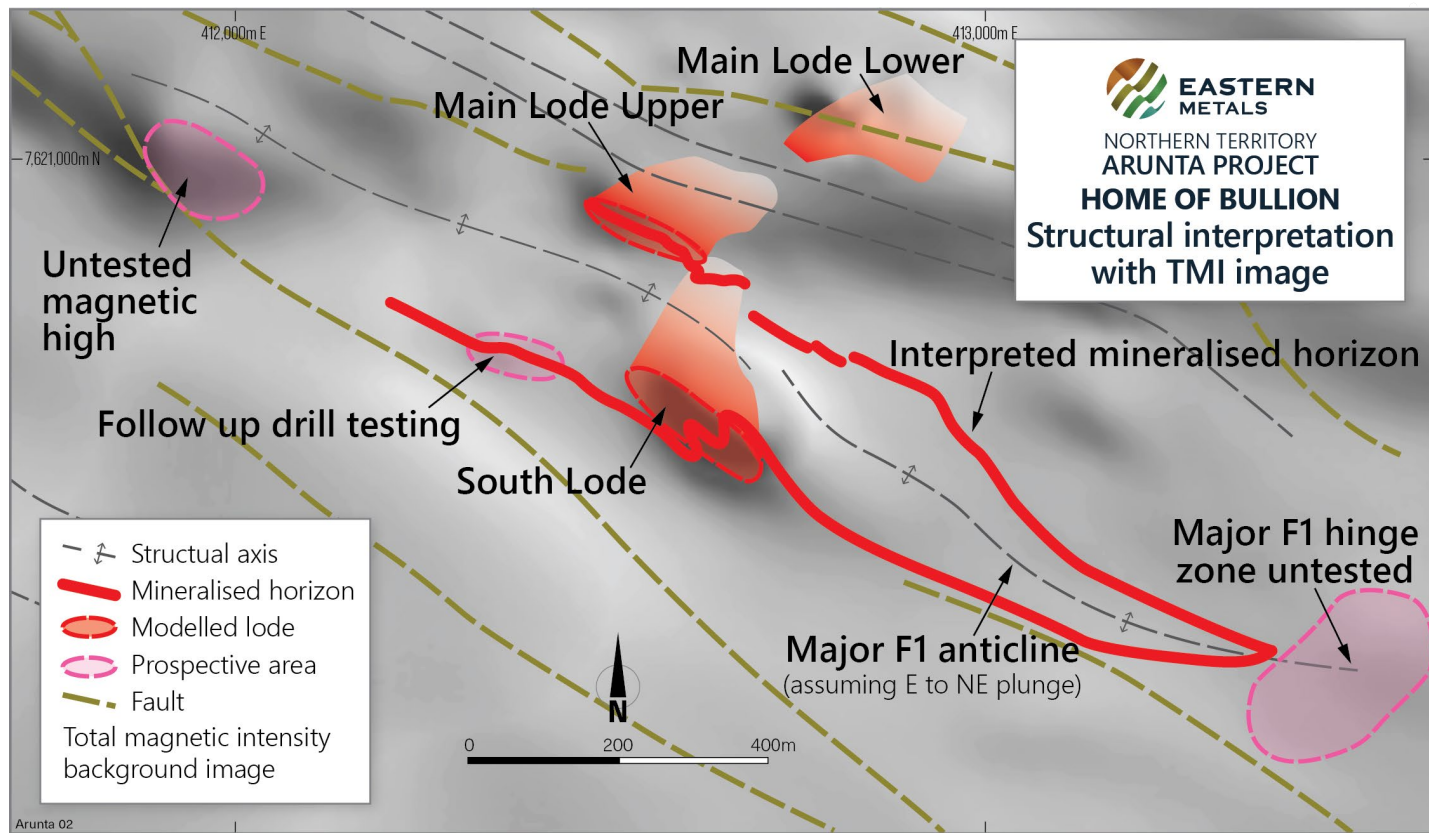


- The total **Mineral Resource Estimate** was updated in March 2023 to:
  - **3.1Mt** averaging 1.7% Cu (**2.9% CuEq**), 2.0% Zn, 35g/t Ag, 1.1% Pb, 0.17ppm Au and 0.02% Co
  - **Tonnage increased by 0.6Mt** or 24% from ASX:KDR's 2014 MRE and the grade by 0.1% CuEq (or 4%)
  - **Contained CuEq** increased from 70kt to 89.9kt of metal – an increase of 28%
- High-grade, structurally controlled, volcanogenic massive sulphide (VMS) style deposit, **open along-strike** and at depth
- Preliminary metallurgical testing showed **good copper flotation recovery**

#### Sources:

- \* Eastern Metals Ltd (ASX:EMS) ASX Announcements 8 & 10 March 2023, 'Resource Grows at Home of Bullion Copper Project'
- \* Kidman Resources Ltd (ASX:KDR) ASX Announcement 29 July 2014, 'Maiden Resource at Home of Bullion'

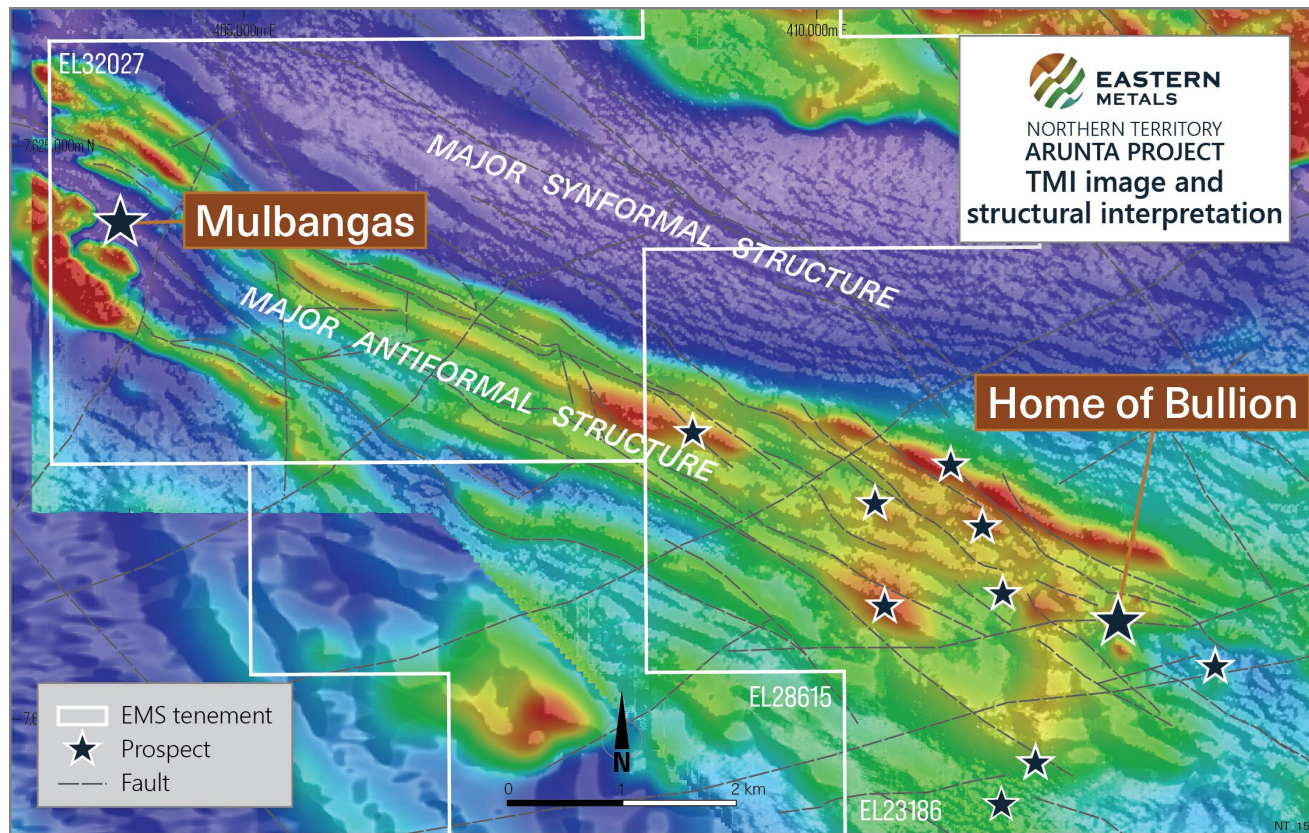
# ARUNTA PROJECT – HOME OF BULLION (NT)



Source: Adapted from Dr John Stewart, PGN Geoscience

# ARUNTA PROJECT – HOME OF BULLION, WHAT NEXT?

ASX:EMS



Source: Adapted from Dr John Stewart, PGN Geoscience

- **Generate targets** between **Home of Bullion** and **Mulbongas ~9km** to potentially **extend resource** (in progress)
  - **Co-funded IP survey** along strike from Home of Bullion
  - Potential to materially extend orebody with several **underexplored satellite prospects**
- **Increase confidence and tonnage** of known resource

Source:  
\* Eastern Metals Ltd (ASX:EMS) ASX Announcement  
11 June 2024, 'Successful NTGS Co-Funding  
Collaboration Grant'



# COBAR BASIN – KEY MINES AND PROJECTS\*

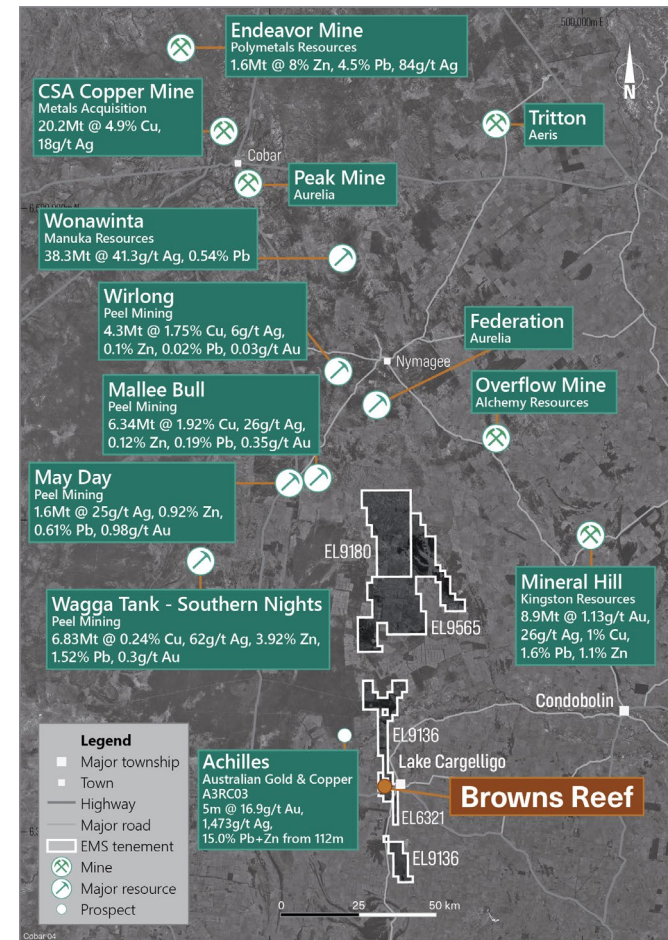
## EXISTING MINES

- **Metals Acquisition (NYSE:MTAL, ASX:MAC)** purchased **CSA Copper Mine** from Glencore for US\$1.1 billion in 2022, Australia's largest Cu mine
  - **MAC started ASX trading on 20 February 2024, raised A\$325M in an oversubscribed IPO**
  - **Strategic investment in Polymetals Resources (ASX:POL) in May 2024 to restart Elura mine and processing, toll-treat Zn ore**
- **Aurelia Metals (ASX:AMI)** Hera and Peak, with Federation and Great Cobar in development. Two CIL/flotation plants
- **Kingston Resources (ASX:KSN)** Mineral Hill, CIL/flotation plant, moving from reprocessing tailings to mining in FY25, **within 100km of Browns Reef**

## DEVELOPMENT PROJECTS

- **Peel Mining (ASX:PEX)** Mallee Bull, Wirlong and Wagga Tank-Southern Nights underground projects, and an open pit project at May Day

\* The third-party projects are not considered by the Company to be peer comparisons to the Company's projects; Eastern Metals is a mineral explorer, not a mineral producer. The third-party projects listed are from producing operations or approved mining projects  
 \* Information extracted from each company's website, market announcements, presentations and reports lodged during the FY2023 and FY2024 periods  
 \* "Metals Acquisition Limited Initial Offering in Connection with ASX Listing Oversubscribed and Upsized to ~A\$325 million", 9 February 2024



# COBAR PROJECT – BROWNS REEF (NSW)

## EASTERN METALS' Zn-Ag-Pb-Cu ASSET

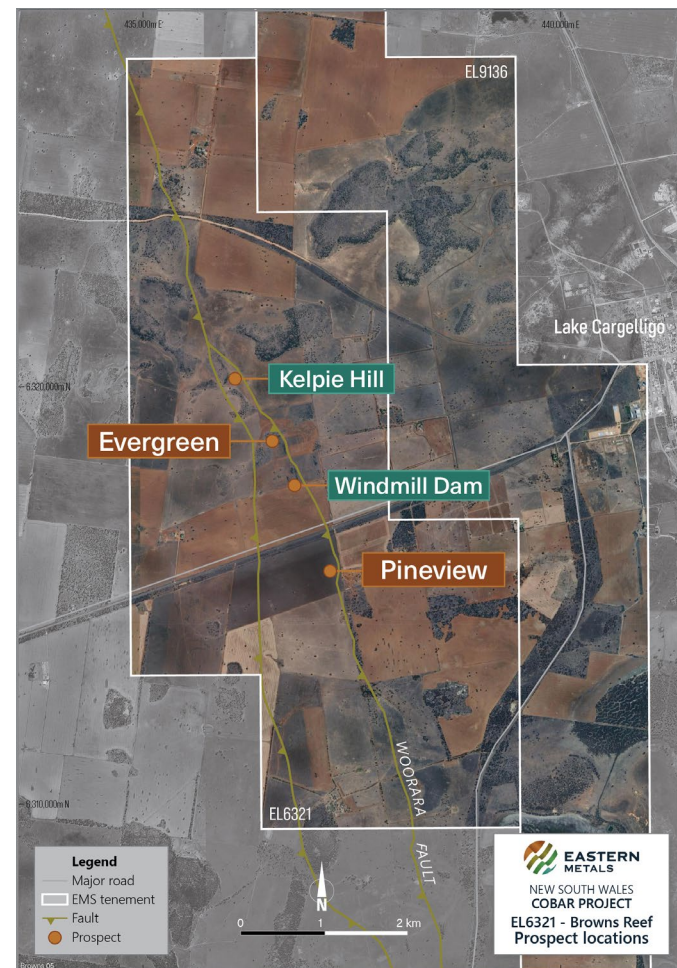
- **Two new high-priority targets** identified, **Kelpie Hill** and **Windmill Dam**, north and south of the **high-grade Evergreen** zone
- **Strike length** of **Evergreen-Pineview** is **comparable to** Peel Mining's (ASX:PEX) **Wagga Tank-Southern Nights** Zn-Pb-Ag system (about 2km in length)
- **Exploration Target\*** consisting of **27-37Mt** averaging between 1.3-1.4% Zn (**2.28-2.34% ZnEq**), 0.6- 0.7% Pb, 9-10g/t Ag and 0.2-0.3% Cu



**BRD018**, massive sulphide mineralisation (253.0-255.5m)

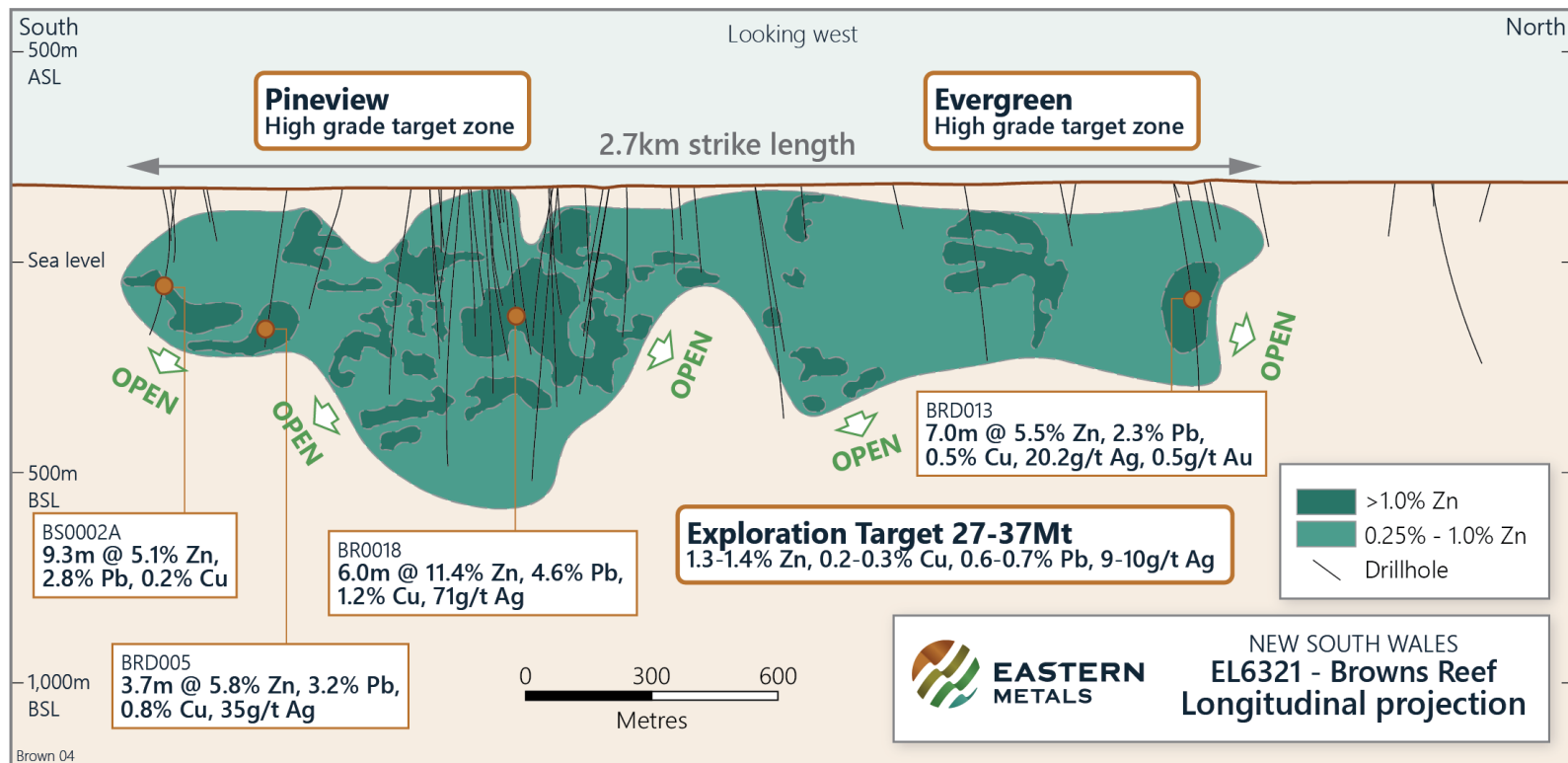
### Sources:

- \* Kidman Resources Ltd (ASX:KDR) ASX Announcement 20 January 2015, 'Clarification to Browns Reef Announcement'
- \* Kidman Resources Ltd (ASX:KDR) ASX Announcement 16 October 2014, 'New mineralised extensions at Browns Reef'
- \* Peel Mining Ltd (ASX:PEX), Investor Presentation November 2022
- \* Eastern Metals Ltd (ASX:EMS) ASX Announcement 9 March 2022, 'Browns Reef Lode Extended Along Strike and at Depth'
- \* Eastern Metals Ltd (ASX:EMS) ASX Announcement 3 June 2024, 'New High-Priority Targets Identified at Browns Reef, NSW'



# COBAR PROJECT – BROWNS REEF (NSW)

EASTERN METALS' Zn-Ag-Pb-Cu ASSET

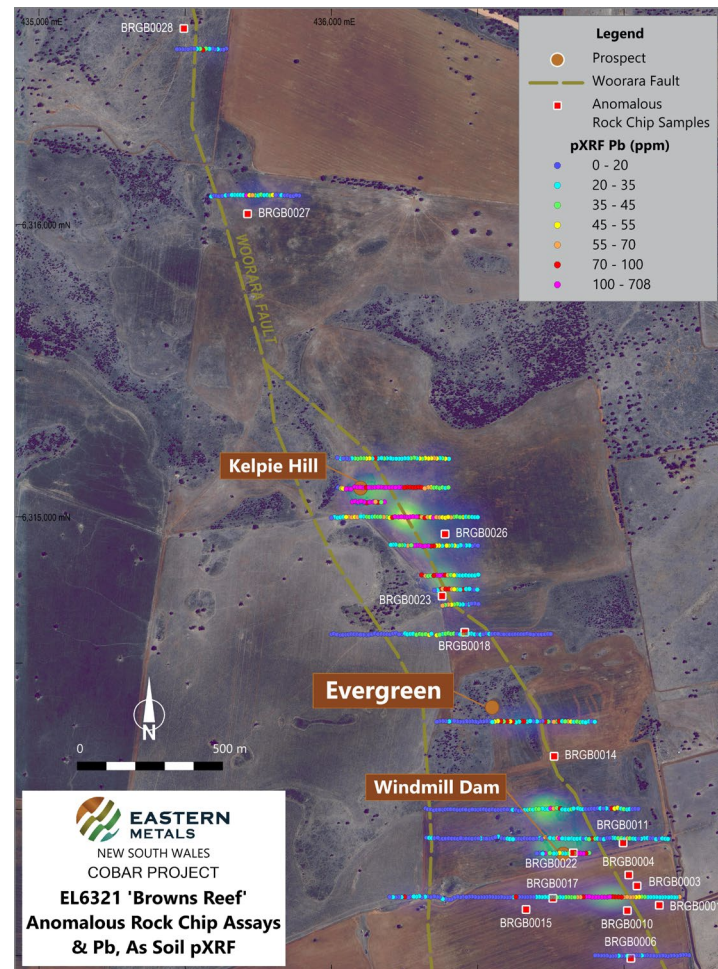


\* Eastern Metals Ltd (ASX:EMS) ASX Announcement 27 June 2022, 'Evergreen Discovery Zone Expanded at Browns Reef'



# COBAR PROJECT – WHAT NEXT?

- **Planning underway for drilling** in Q1 FY2024-25
- Assay results from recent fieldwork programs to the north of the known high-grade Evergreen zone returned **highly anomalous grades** from surface **rock chip samples**
- Mapping and pXRF traverses along the **prospective Woorara Fault**, identified **new high-priority targets** north and south of Evergreen, **Kelpie Hill** and **Windmill Dam**
  - Initial results confirmed the ability of soil pXRF analysis to identify geochemical trends within EL6321
- **EL9136 Bothrooney** land access agreements for key areas have been executed, **preliminary fieldwork has commenced**



\* Eastern Metals Ltd (ASX:EMS) ASX Announcement 3 June 2024, 'New High-Priority Targets Identified at Browns Reef, NSW'



# INVESTMENT SUMMARY

ASX:EMS

**Two advanced exploration projects** provide **de-risked exposure** to **strategic** and **energy transition** metals

**Home of Bullion** and **Browns Reef** located in **tier-one mineral provinces**, with established production and transport infrastructure

Shareholder value driven by **advancing** Home of Bullion and Browns Reef, both with **excellent potential for expansion**

**Highly experienced team** with a **strong track record** in mineral exploration, development, monetisation and governance



**EASTERN  
METALS**

**Thank you**

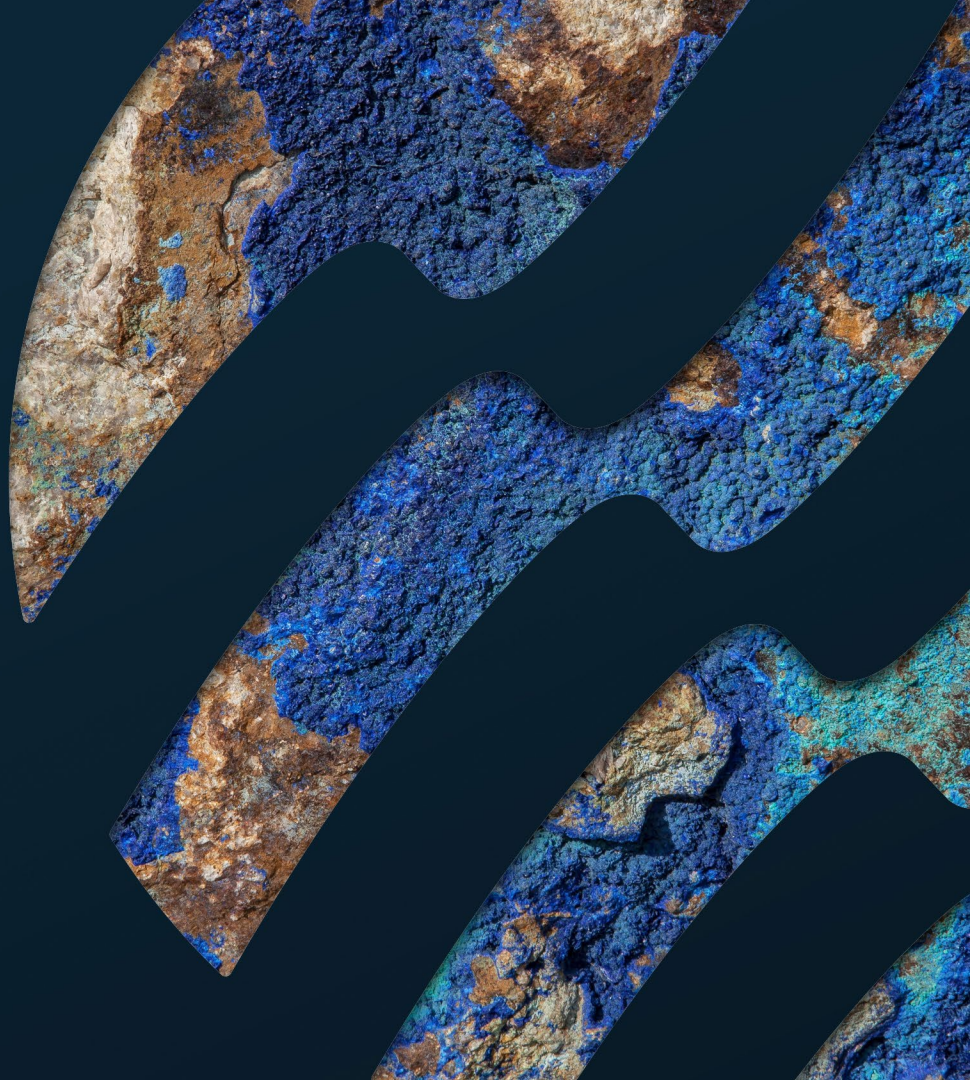
[www.easternmetals.com.au](http://www.easternmetals.com.au)

**ASX:EMS**

**Ley Kingdom**

Chief Executive Officer

[leykingdom@easternmetals.com.au](mailto:leykingdom@easternmetals.com.au)



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Additionally, Eastern Metals 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 Eastern Metals 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, Eastern Metals 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 Eastern Metals. This presentation contains exploration results and historic exploration results as originally reported in the Company's Prospectus dated 18 August 2021 (ASX:EMS released 22 October 2021).

### Competent Person Statement

The information in this Presentation that relates to Exploration Results, Mineral Resources or Ore Reserves (as those terms are used and defined in the JORC Code), except where otherwise noted, is based on information compiled by Mr Gary Jones who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Jones is a full-time employee of Geonz Associates, Consultant Geologists, a former director of Eastern Metals, shareholder of Eastern Metals, and Principal Consultant, Geology to the Company. Mr Jones has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code. Mr Jones consents to the inclusion in this document of the matters based on his information in the form and context in which it appears.

### Previously Reported Information

The information pertaining to the Browns Reef Exploration Target was extracted from the report entitled "Browns Reef Mineral Resource Estimate" dated 12 December 2014 prepared by Geos Mining. The information for the Browns Reef Project was first disclosed by Kidman Resources Limited (ASX:KDR) under the JORC Code 2012 on 29 December 2014 (Competent Persons, Llyle Sawyer for resource estimation and Michael Green for exploration) and further clarified on 20 January 2015 (Competent Persons, Llyle Sawyer for resource estimation and Michael Green for exploration) and is available on [www.asx.com.au](http://www.asx.com.au).

The information pertaining to the Home of Bullion project mineral resource estimate was extracted from the report entitled "Home of Bullion Resource Estimate", March 2023 prepared by SRK Consulting (Australasia) Pty Ltd as originally reported in an announcement on 8 & 10 March 2023 (ASX:EMS) (Competent Person, Gary Jones). The information for the Home of Bullion Project was first disclosed by Kidman Resource Limited Resources (ASX:KDR) under the JORC Code 2012 and released on 29 July 2014 (Competent Person, Danny Kentwell) and is available to view on [www.asx.com.au](http://www.asx.com.au).

Eastern Metals has not undertaken any work on the project that would impact the published resource estimates. The information in this report that references previously reported Exploration Results, Mineral Resources or Ore Reserves is extracted from the Company's Prospectus released on 18 August 2021 (ASX:EMS 22 October 2021). The Prospectus is available to view on the Company's website or on the ASX website ([www.asx.com.au](http://www.asx.com.au)). The Company confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus 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.