



# **MOUNT HOPE MINING CORPORATE PRESENTATION**

**DECEMBER 2024**

# IMPORTANT INFORMATION

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Certain statements contained in this presentation, including information as to the future financial or operating performance of the Company and its projects, are forward looking statements. Such forward looking statements:

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- are necessarily based upon several estimates and assumptions that, while considered reasonable by the Company, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

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No representation is made that, in relation to the tenements the subject of this presentation, the Company has now or will at any time in the future develop further resources or reserves within the meaning of the Australian Code for Reporting of Exploration Results, Mineral resources and Ore Reserves (**The JORC Code**).

## Competent Persons Statement

The information contained in this presentation that relates to exploration results is based on and fairly represents information and supporting documentation prepared Mr Malcolm Castle, Principal Consultant at Agricola Mining Consultants Pty Ltd. Mr Castle, a member of the Australian Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposits under consideration, and to the activity which he has undertaken to qualify as a Competent Person as defined in the JORC Code. Mr Castle consents to the inclusion of the matters based on his information in the form and context in which the exploration results and supporting information are presented in this presentation.

## Exploration by Other Explorers

This presentation contains information sourced from the reports of Other Explorers. References to the original reports are provided as footnotes where the information is cited in this presentation. The Company does not vouch for the accuracy of these reports. The Company has taken the decision to include this information as it is in the public domain and as we assess it to be of relevance to shareholders and investors.

## Foreign Selling Restrictions

No action has been taken to register or qualify The Company's shares (the "**Shares**"), or to otherwise permit the proposed initial public offer (the "**Offer**"), or otherwise to permit the public offering of the Shares, in any jurisdiction outside of Australia. The distribution of this presentation and the presentation for the Offer (the "**Prospectus**") may be restricted by law. See further, the Foreign Selling Restrictions at the end of this presentation.

# CORPORATE SNAPSHOT

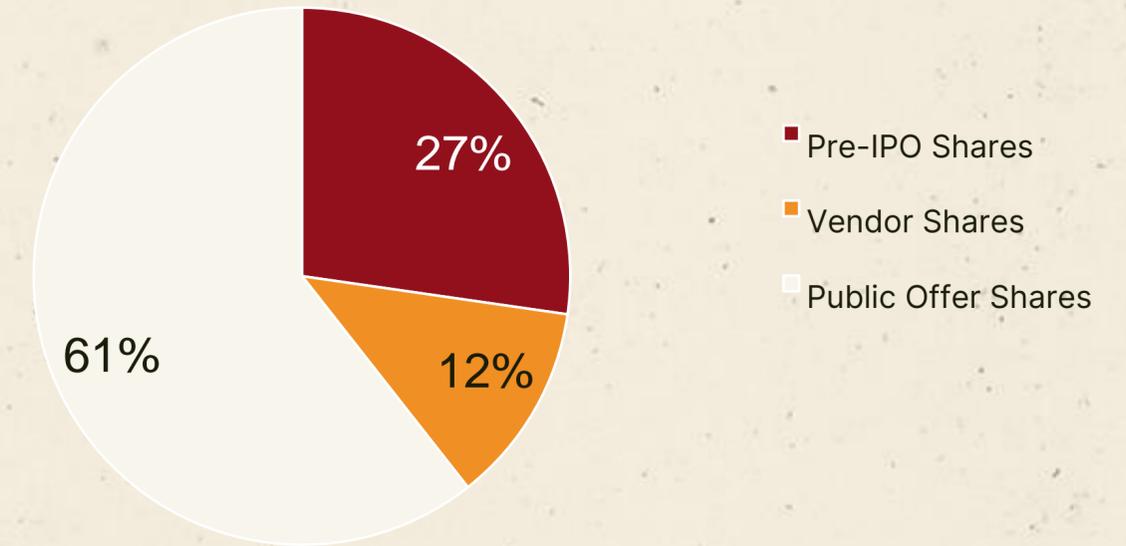
## MHM CAP STRUCTURE - MIN SUBSCRIPTION

BOARD OF DIRECTORS	
Ben Phillips	Non-Executive Chair
Fergus Kiley	Managing Director
Todd Williams	Non-Executive Director
Paul Kiley	CFO & Company Secretary

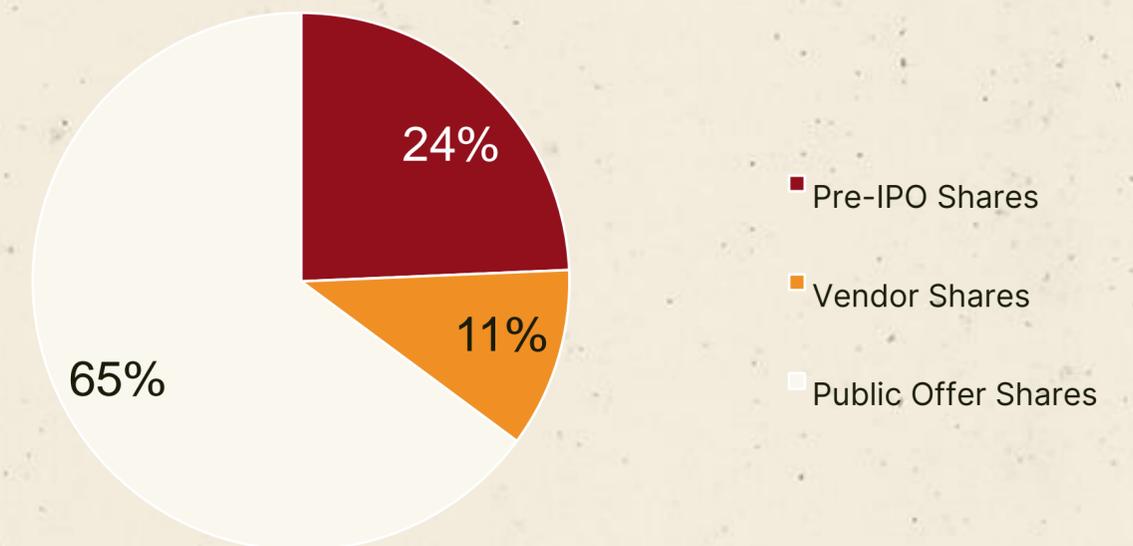
<b>Shares</b>
41M <sup>1</sup>
<b>Options</b>
9.5M
<b>Market Capitalisation</b>
\$8.2M
<b>Cash</b>
\$5M <sup>1</sup>

1: Assumes minimum subscription raised \$5M (Net of fee's)

## ASX RESERVED TICKER - ASX: MHM

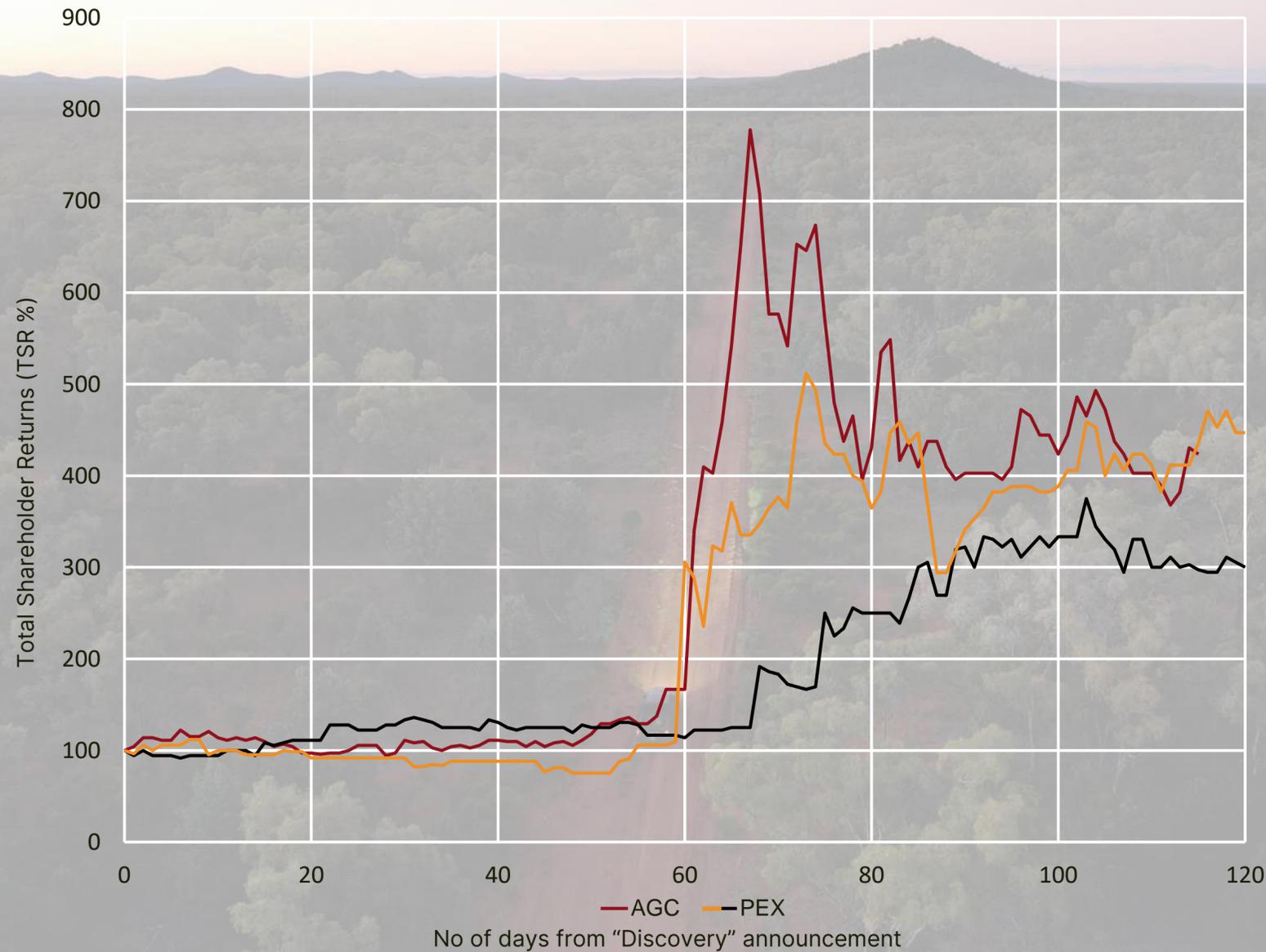


## MHM CAP STRUCTURE - MAX SUBSCRIPTION



# PRICE MOVEMENT FOR THE DISCOVERY PHASE FOR RECENT COBAR EXPLORERS

## COBAR DISCOVERY EVENTS



**AUSTRALIAN GOLD & COPPER (ASX: AGC)  
ACHILLES (2024)**  
TSR - 777%



**PEEL MINING (ASX: PEX)  
MALLEE BULL (2012)**  
TSR - 511%



**PEEL MINING (ASX: PEX)  
SOUTHERN NIGHTS (2019)**  
TSR - 375%

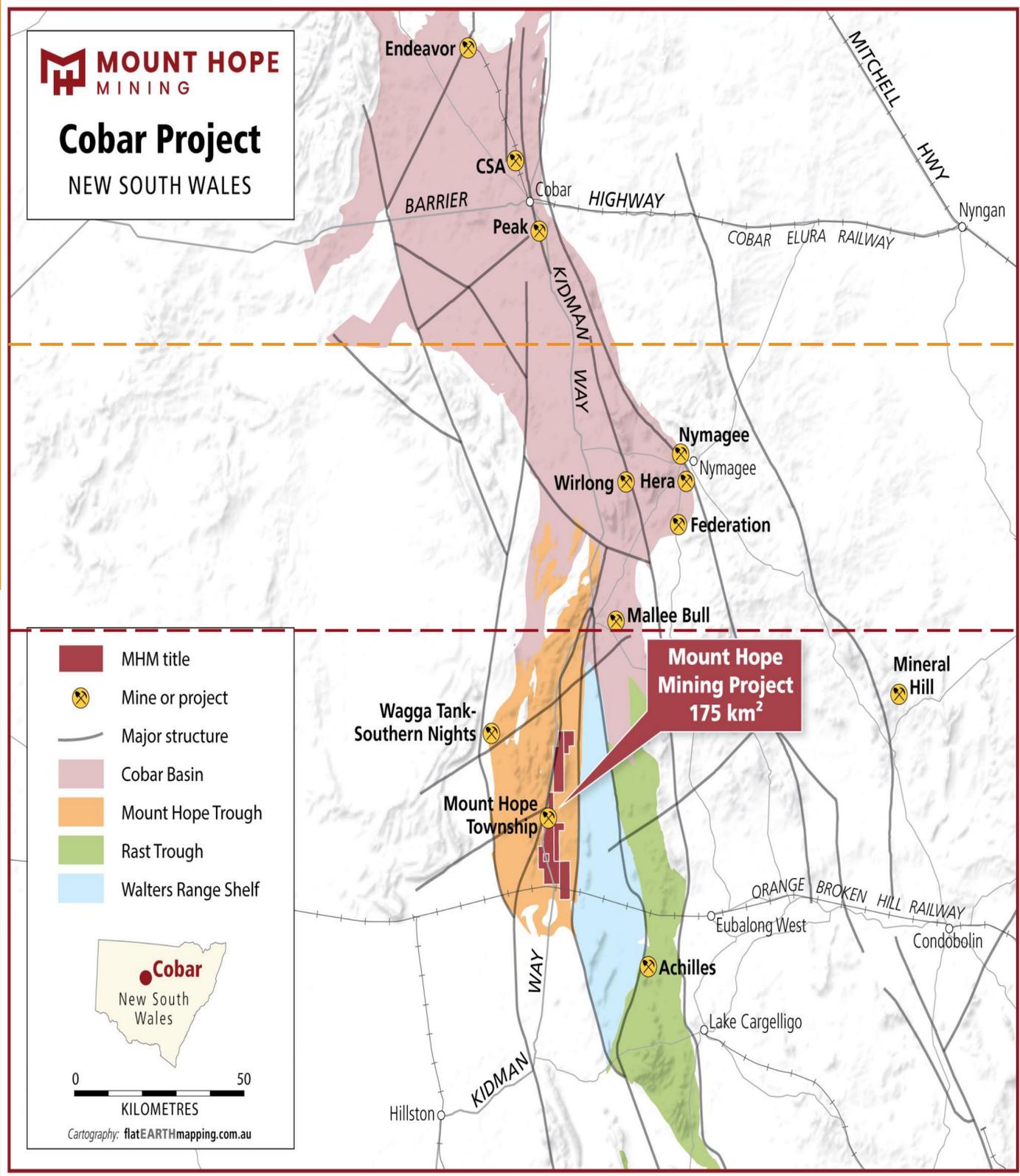


## NORTHERN COBAR BASIN

Historic Production:  
Copper: 4.1 Mt  
Gold: 2.9 MOz  
Pb/Zn/Ag: 144.6 MOzEqu

Current Resources/Reserves  
Copper: 1.2 Mt  
Gold: 320 kOz  
Pb/Zn/Ag: 273.6 MOzEqu

Operating Mines: 4  
Care & Maintenance: 1



## CENTRAL COBAR BASIN

Historic Production:  
Copper: 1 Mt  
Gold: 300 kOz  
Pb/Zn/Ag: 144.6 MOzEqu

Current Resources/Reserves  
Copper: 396 kt  
Gold: 527.1 kOz  
Pb/Zn/Ag: 158.6 MOzEqu

Operating Mines: 1  
Care & Maintenance: 1



## SOUTHERN COBAR BASIN

Historic Production:  
Copper: 14 kt  
Gold: ~10 kOz  
Pb/Zn/Ag: >10 kOzEqu

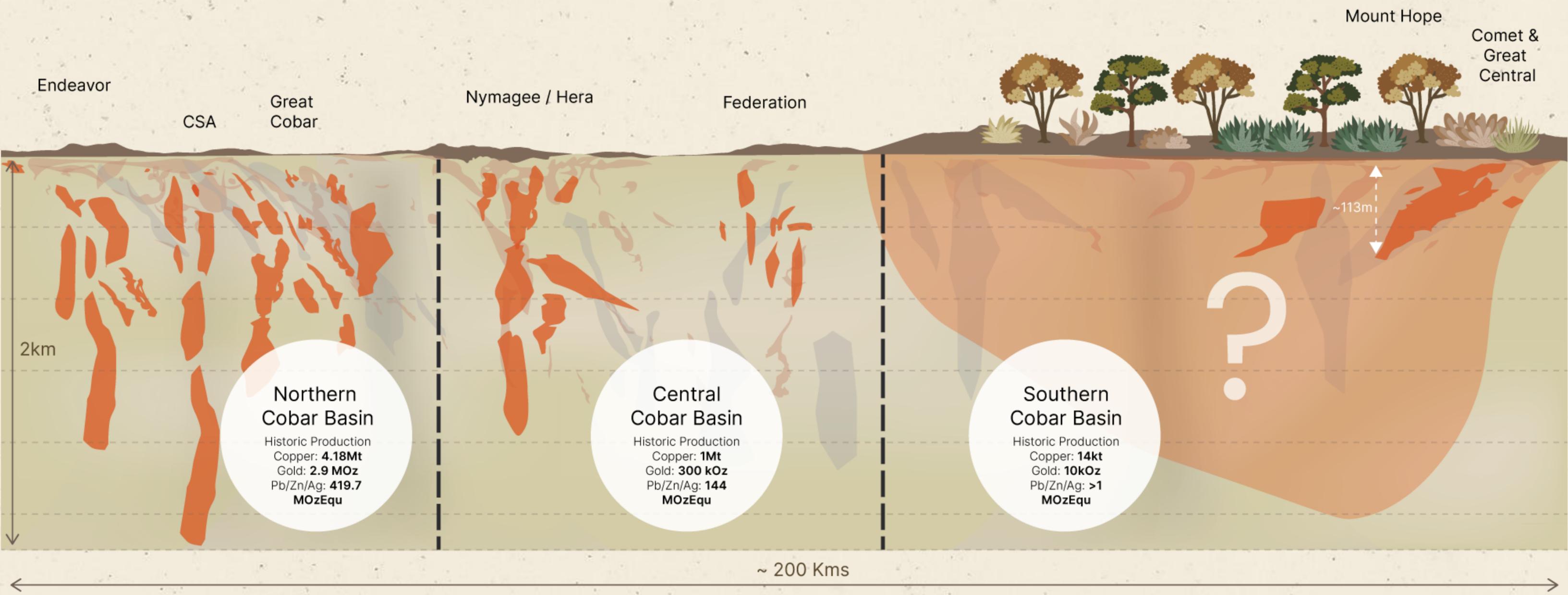
Current Resources/Reserves  
Copper: 22.5 kt  
Gold: 48 kOz  
Pb/Zn/Ag: 34.3 MOzEqu

Operating Mines: 1

# COBAR BASIN MINING SINCE 1870

# COBAR BASIN MINE DEPTHS

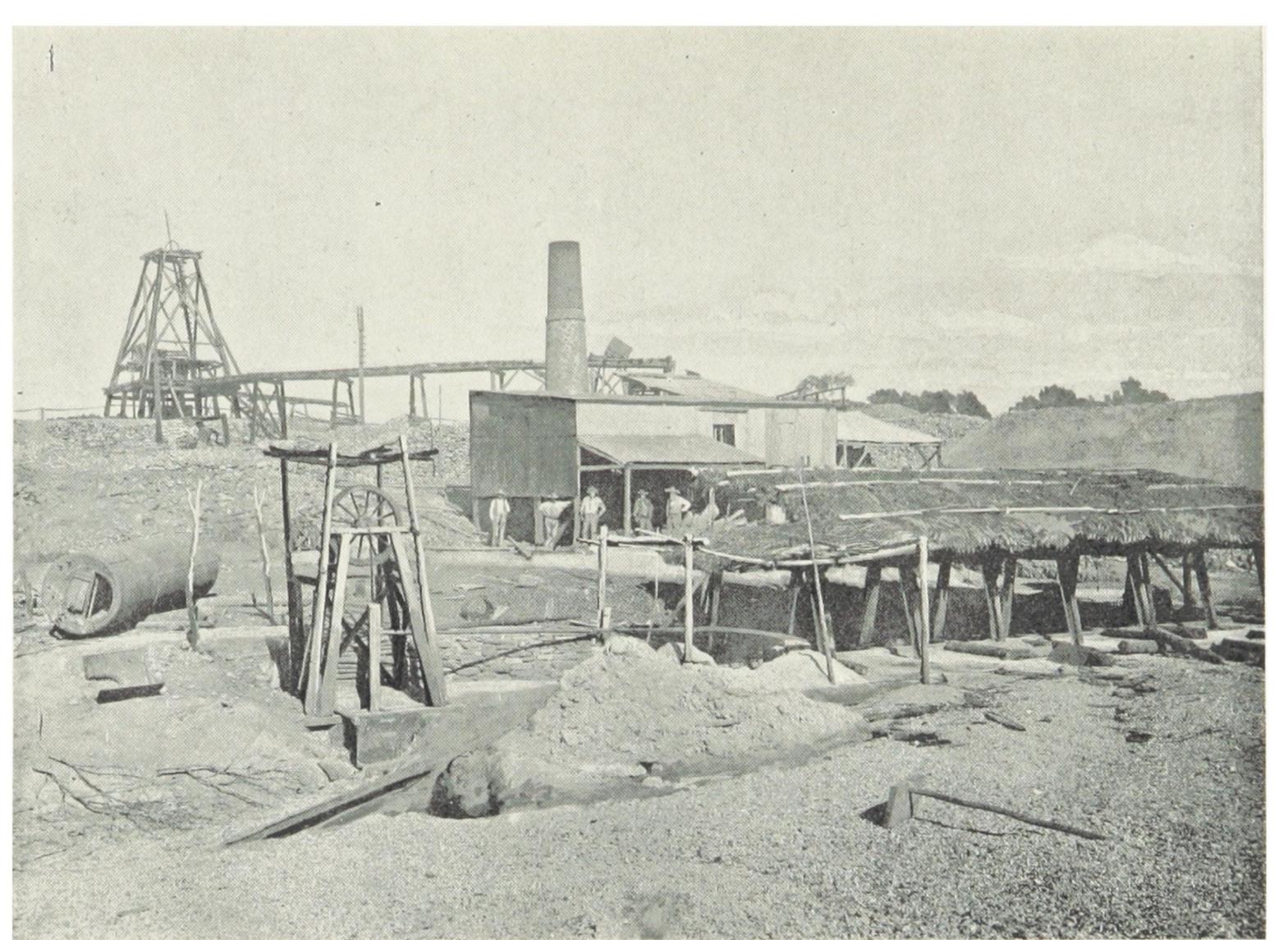
## MOUNT HOPE PROJECT



# MOUNT HOPE

- The historic Mount Hope Mine is the largest in the district.
- Discovered in 1878 and worked until 1919. It was reopened for a short period in 1942.
- Production amounted to 7,891t of Cu metal from 75,000t of ore for a grade of 10.5% Cu<sup>(1)</sup>.
- Mined to a depth of 113m. The deposit occurs on a north-south striking ridge.
- Sequence of siltstones with thin interbedded sandstone of the Broken Range Group.
- The primary sulphides are chalcopyrite with minor pyrite, pyrrhotite, sphalerite and galena.

(1) 18-Dec-2024 MHM: Prospectus

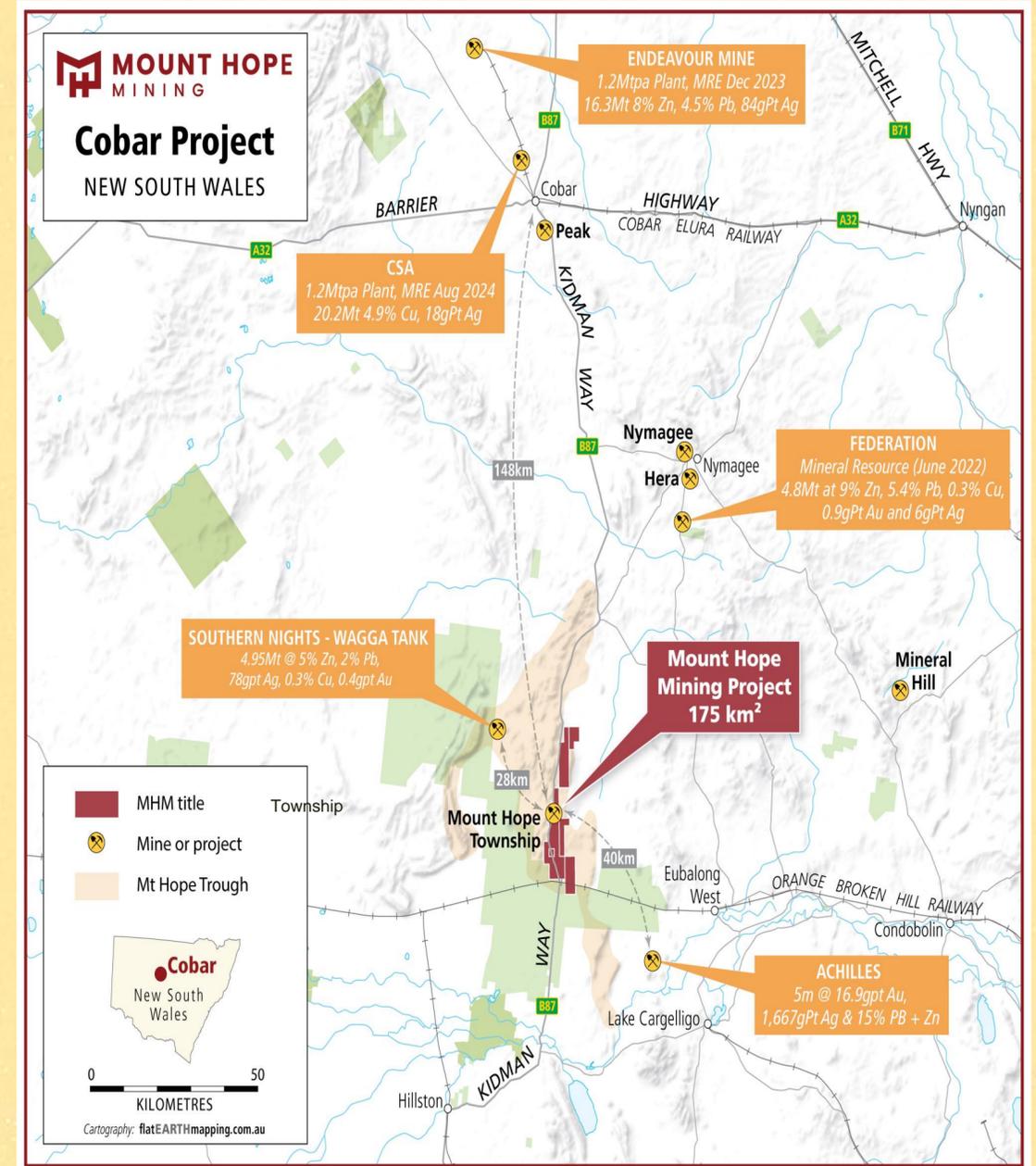


NEW MOUNT HOPE COPPER MINE.

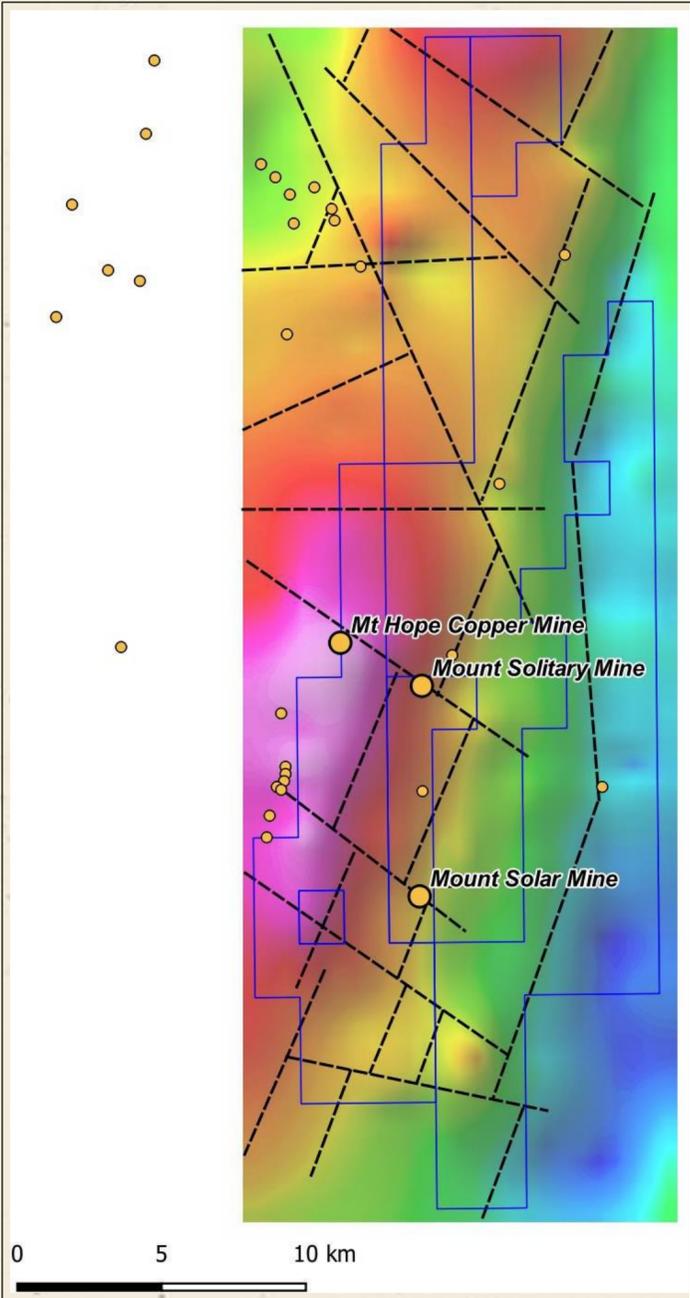
# PROJECT LOCATION AND OVERVIEW

- Belt scale strategic landholding in the Mt Hope Trough, Southern Cobar Basin
- Four licenses totaling 175km<sup>2</sup>
- Historical Mount Hope mining district, consolidation of the eastern margin of the Mount Hope Trough
- Untested potential strike extent of historic mines undercover
  - Mount Hope Mine
  - Mount Solitary Mine
  - Comet & Great Central Mines
- Targeting model comparable to Peel Mining's successful Southern Nights-Wagga Tanks discovery (6.83Mt at 3.92% Zn, 1.52% Pb, 62gpt Ag, 0.3% Cu, 0.4gpt Au)<sup>(2)</sup>
- Structural setting analogous to Aurelia Metals' recent Federation discovery

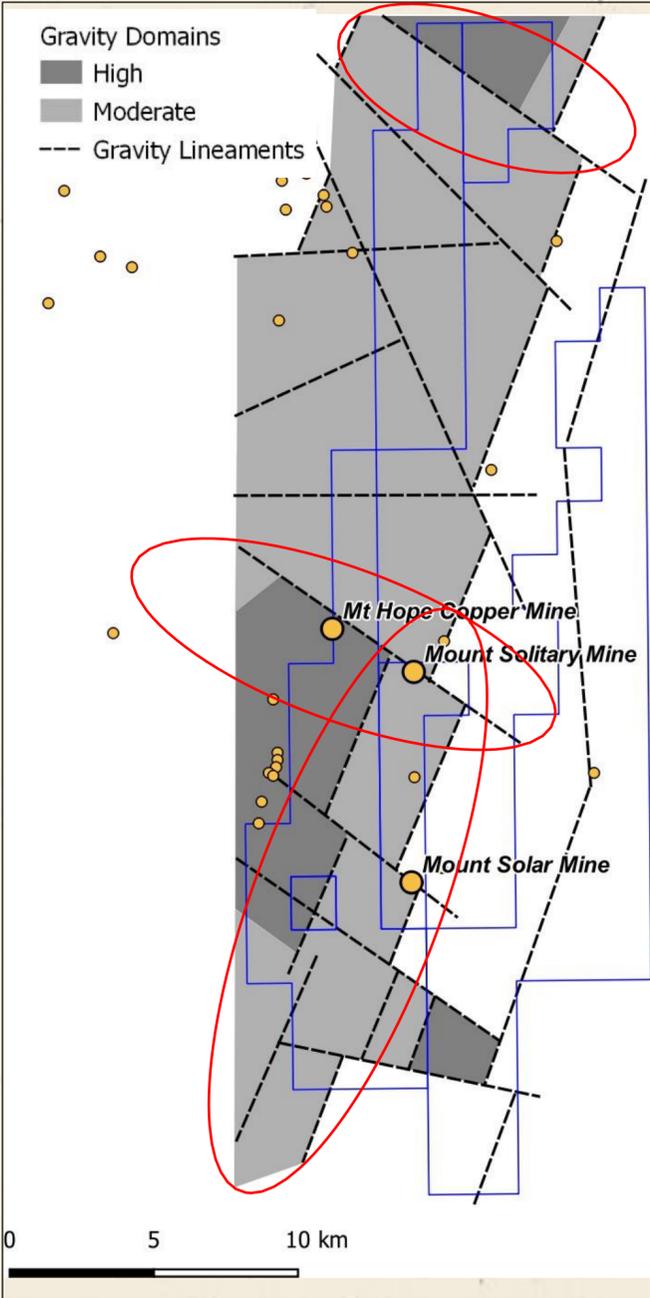
(2) 9-Jan-2023 PEX: 20MT Resource Base for South Cobar Project



# GRAVITY - BOUGER ANOMALY AND DOMAINS

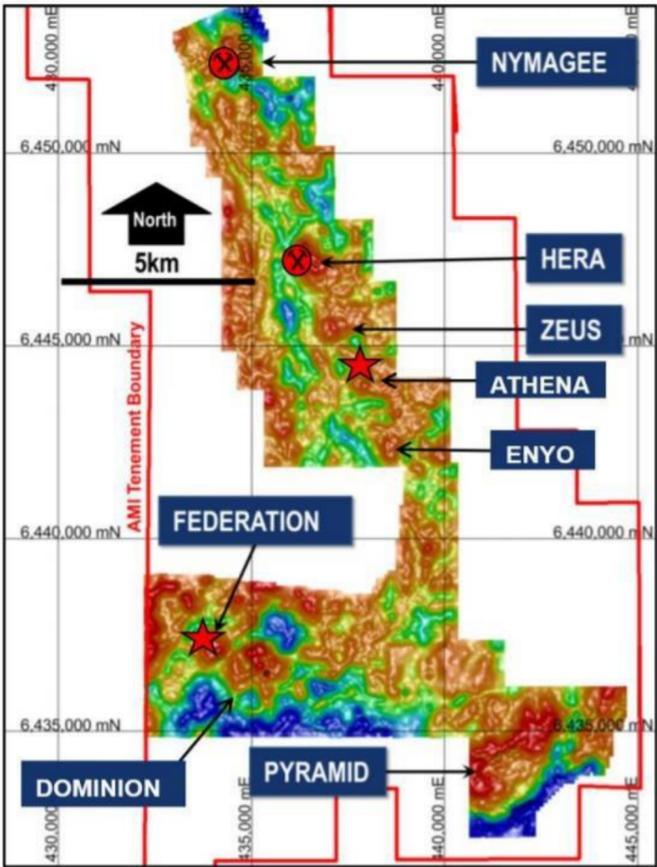


GRAVITY IMAGE



GRAVITY DOMAINS

Known deposits cluster on NNE and WNW lineaments that cut a prominent gravity high (e.g. Hera - ASX: AMI). Unexplored gravity high margin in the northern project area

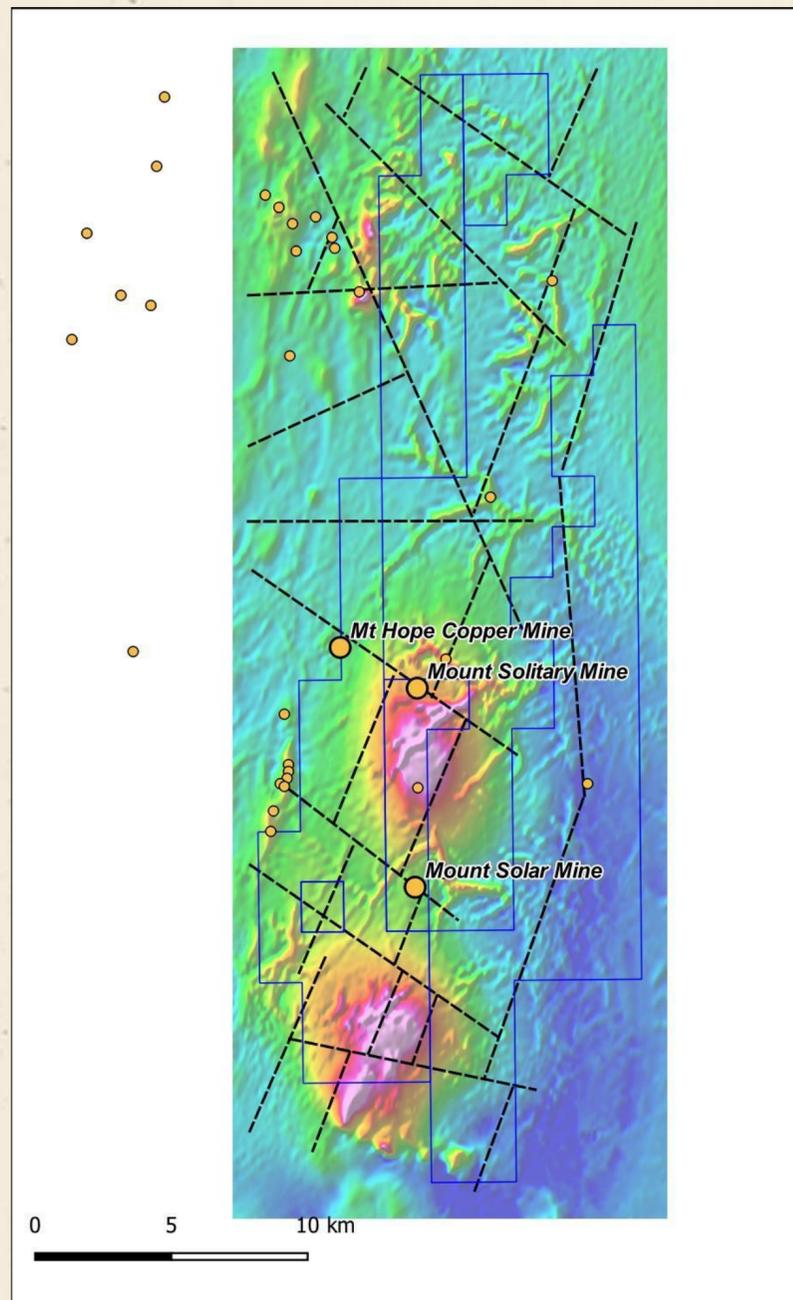


WAGGA TANK 1VD IMAGE

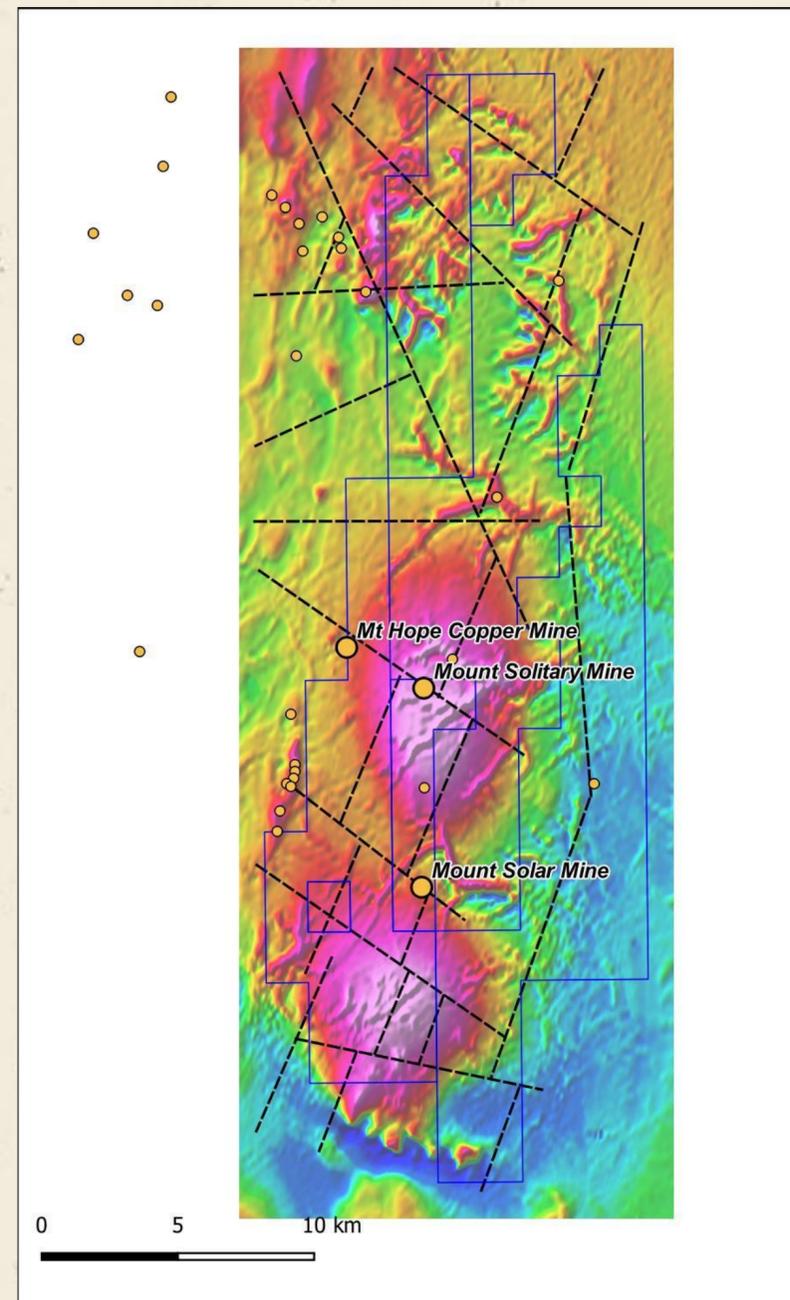
HERA NYMAGEE DEPOSITS AND GRAVITY ANOMALISM



# MAGNETICS – TOTAL MAGNETIC INTENSITY AND REDUCE TO POLE

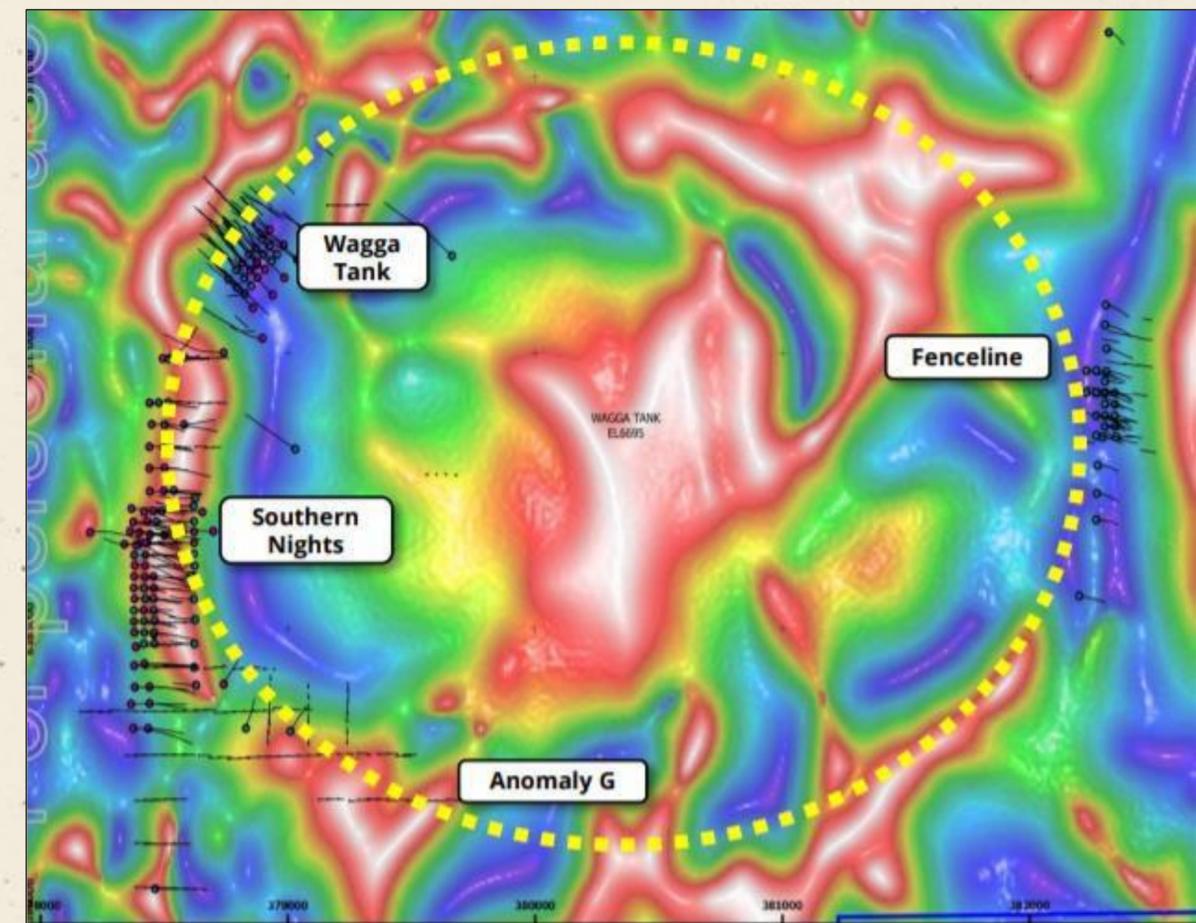


TMI IMAGE



RTP IMAGE

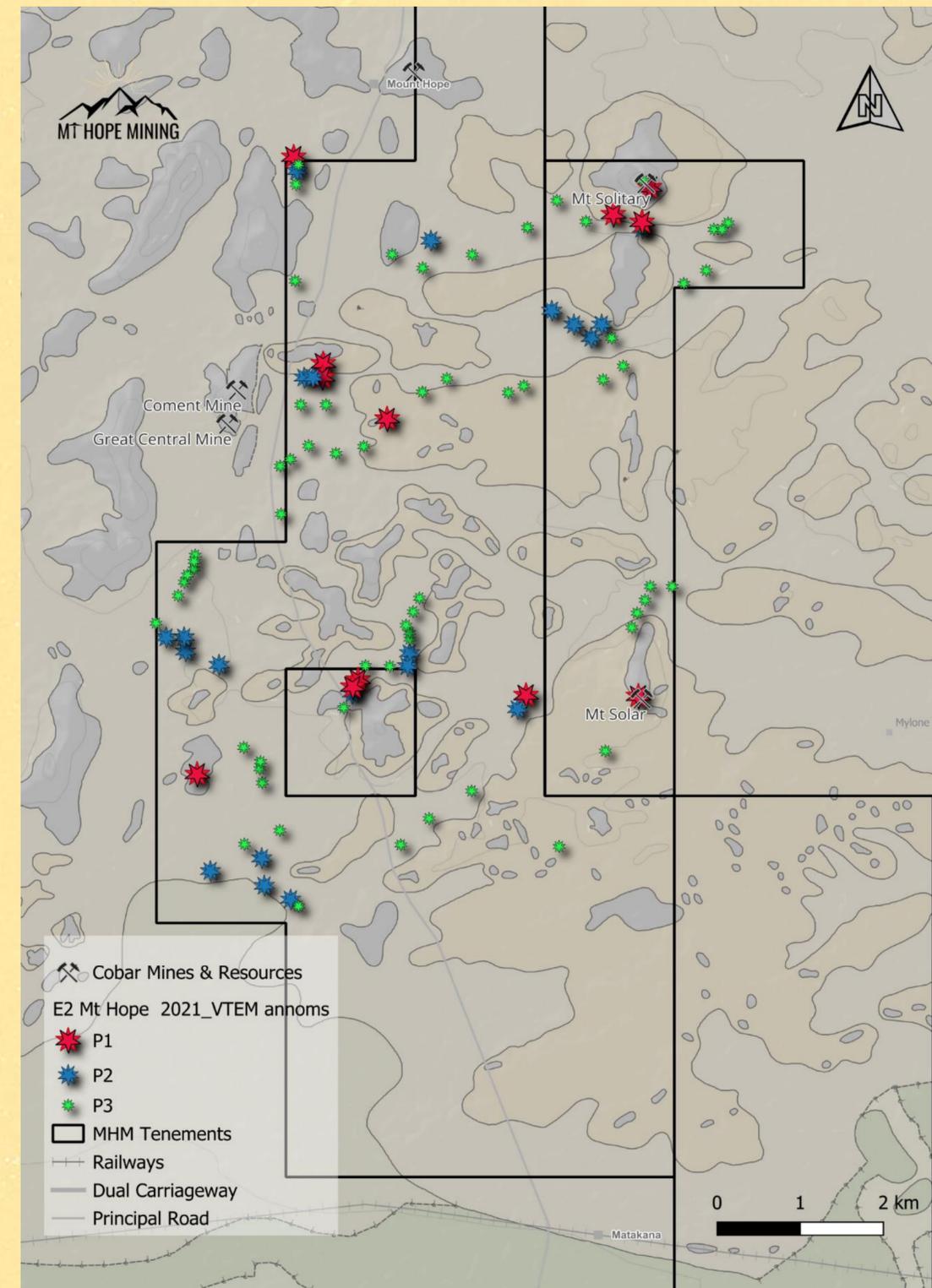
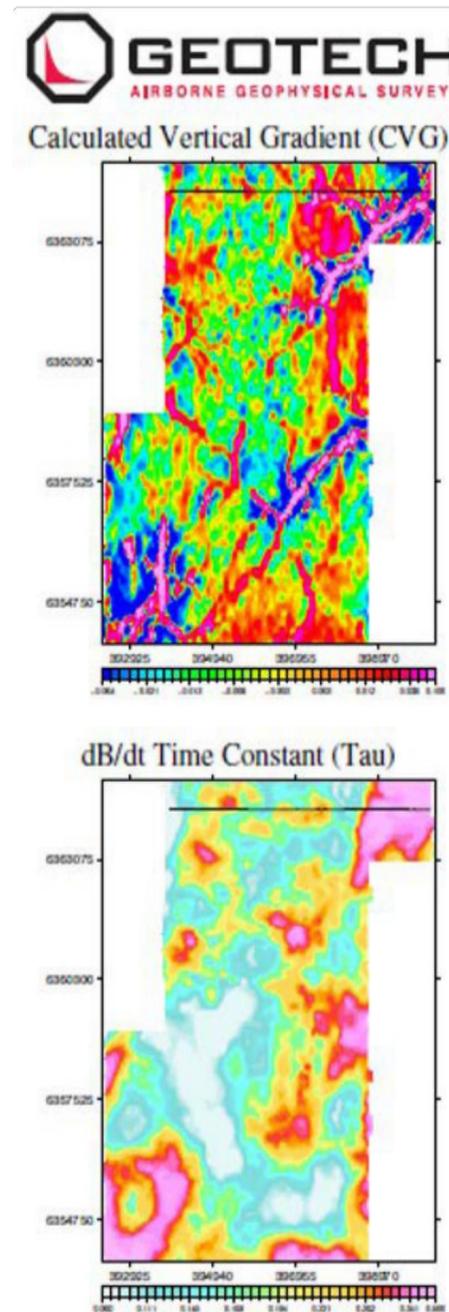
Two major circular magnetic anomalies interpreted as deep-seated rhyolitic-dacitic intrusions as the source of metals (eg Wagga Tank - ASX: PEX)



# AIRBORNE ELECTROMAGNETIC SURVEY 2021

- In late February 2021 E2 Metals in collaboration with Geotech Airborne Pty Ltd completed a 433-kilometre helicopter electromagnetic (VTEM) geophysical survey
- The survey was flown on east-west lines perpendicular to N to NNE mineralised faults of the Great Central and Mount Solitary trends
- Ten priority-1 bedrock conductors were defined within the survey area. These include bedrock conductors in areas of shallow cover along strike or adjacent to historical copper and gold prospects
  - Three priority-1 bedrock conductors up to 500m southwest of Mount Solitary historical gold working (historical deeper drill intercepts 13MSR02: **6m at 8.2gpt Au from 148m<sup>(1)</sup>**)
  - One priority-1 bedrock conductor at the Mount Solar prospect (historical drill intercept SL005: **12m at 3.78gpt Au from 24m<sup>(1)</sup>**)
  - Two priority-1 bedrock conductors up to 500m north-northeast of the Main Road prospect (historical drill intercept MRRC009: **3m at 12.7gpt Au from 0m<sup>(1)</sup>**)

(1) 18-Dec-2024 MHM: Prospectus

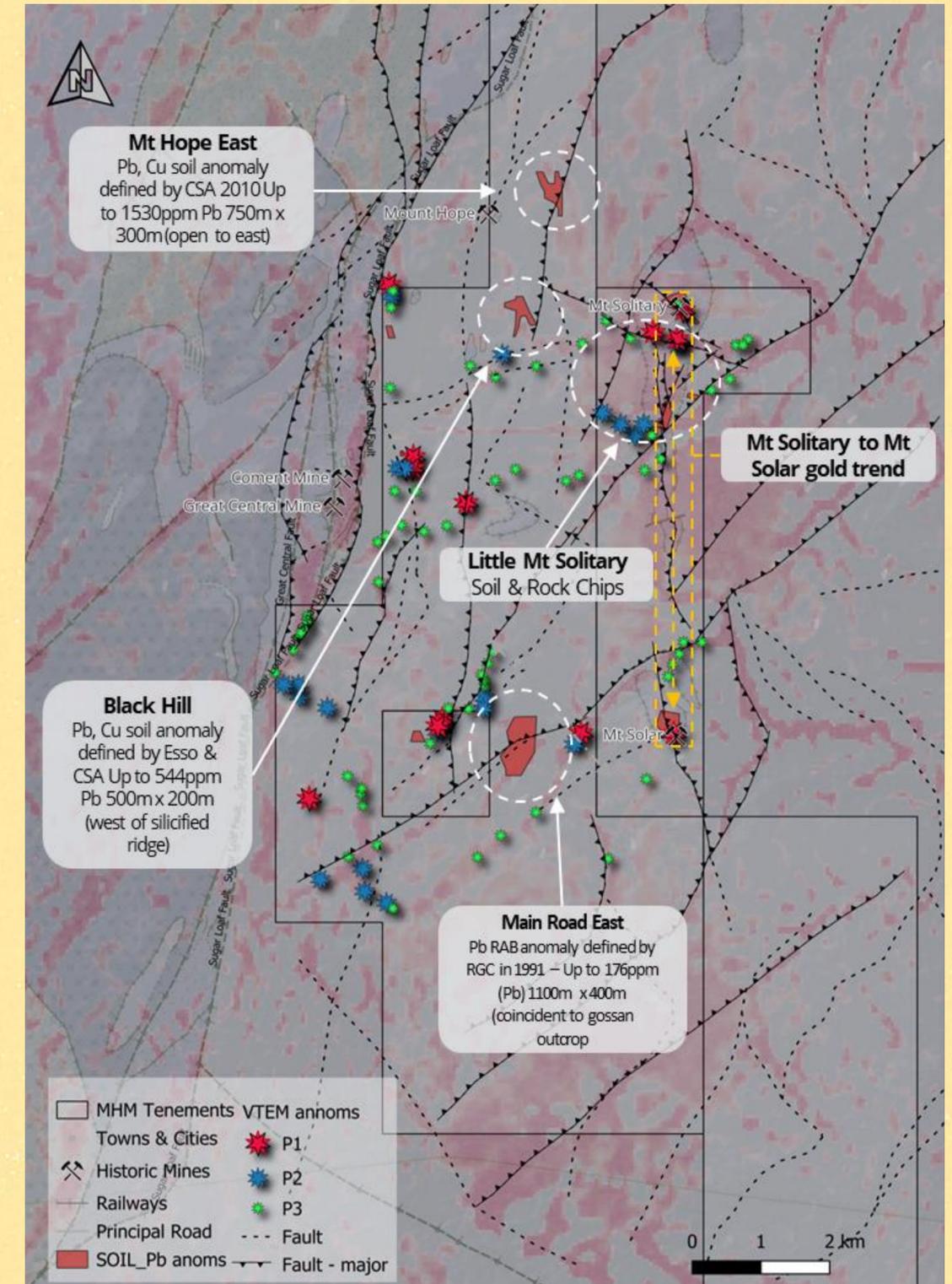


# EXPLORATION TARGETING COINCIDENT ANOMALIES

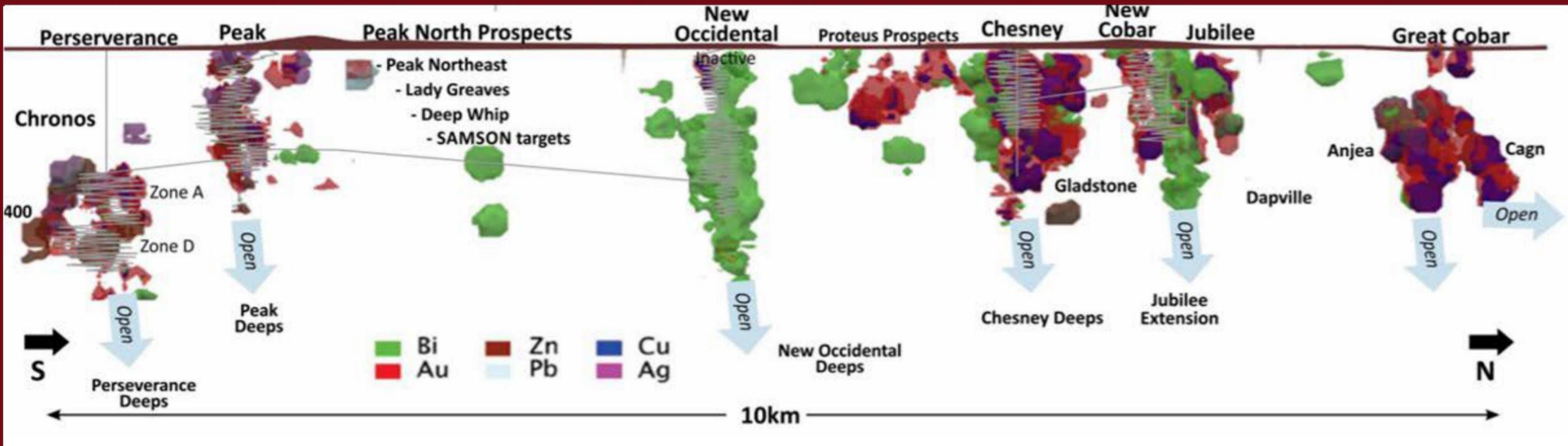
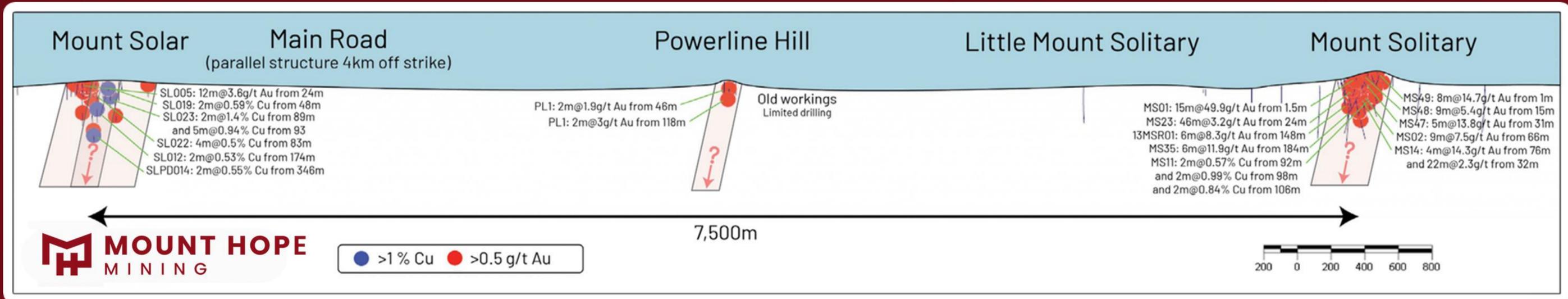
- Cobar is a mature mining district with a well-understood exploration model
- Exploration for Cobar style mineralisation requires coincident anomalies
  - Proximity to Historical mines – demonstrates geological fertility
  - Structural setting – an intersection of faults at geological boundaries
  - Proximity to a heat source – driving mineralised fluids
  - Surface geochemical anomalism – elevated base/precious metal soil chemistry
  - Geophysical Response – EM & IP Targeting

PROSPECT	STRUCTURAL ARCHITECTURE	GEOCHEMISTRY TARGET	EM ANOMALY	IP ANOMALY	DRILL TESTED	EXISTING DATA
Mt Hope East	☑	☑	⊗	⊗	⊗	2/5
Black Hill	☑	☑	☑	⊗	⊗	3/5
Main Road East	☑	☑	☑	⊗	⊗	3/5
Little Mt Solitary	☑	☑	☑	☑	⊗	4/5
Mt Solitary to Mt Solar	☑	☑	⊗	⊗	⊗	2/5

- ☑ Existing data
- ⊗ Data required

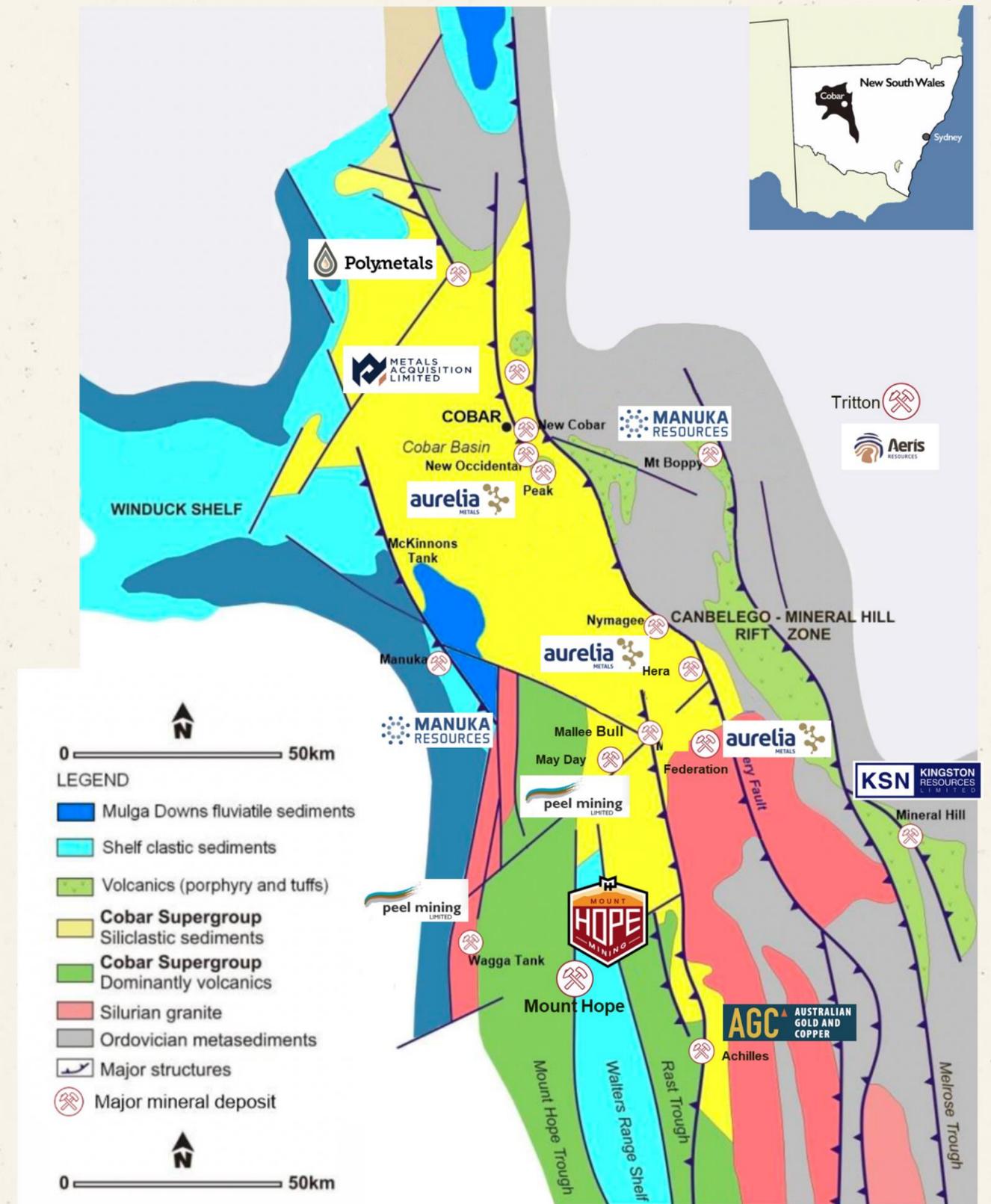


# COBAR GOLD FIELDS VERTICAL EXTENSION & BLIND LODES



# COBAR DISTRICT HIGHLIGHTS

- **Australian Gold & Copper (ASX: AGC) Achilles Discovery (2024) TSR - 777%**
- **Cobar's recent corporate activity:**
  - **Jun 23: MAC acquisition of CSA = US\$1.1B**
  - **11 Sep 2024: AMI "NSW Government Officially Opens Aurelia Metals' Federation Mine"**
  - **11 Sep 2024: PEX "Peel Mining Reports Highest Grade Intercepts at Wagga Tank" – Including an intercept of 66m @ 6.01% Pb, 3.73% Zn, 0.98% Cu, 74g/t Ag, and 0.48g/t Au from 114m.**
  - **30 Sep 2024: POL "Polymetals Completes Project Financing for Endeavor Silver-Zinc-Lead Project"**
  - **10 Oct 2024: MAC "Metals Acquisition Limited Completes \$150 Million Capital Raise" – Supporting CSA Copper Mine operations and exploration initiatives. "Enhancing its flexibility to pursue strategic inorganic growth opportunities."**
  - **21 Oct 2024: MAC "Metals Acquisition Limited Reports High-Grade Drill Results at CSA Copper Mine" – Including intercepts of 19.8 meters at 10.9% Cu and 27.3 meters at 8.7% Cu.**
  - **6 Dec 2024: KSN "\$13.5m Equity Raising to Accelerate Hard Rock Mining in Cobar Basin"**
- ***Aurelia discovered Federation in 2019, mining first stope in Q3 2024 – discoveries turn to mines at pace in Cobar***



# THANK YOU

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MINING

