



# MOUNT HOPE MINING

## Maiden Drill Program and Development Strategy

Maiden Drill Program

| August 2025



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### References:

1. MHM Announcement 10 Jun 2025: Mt Solitary Gold Exploration Target
2. MHM Announcement 29 Apr 2025: Positive Soil Sample Results
3. MHM Announcement 1 Apr 2025: Ground Gravity Survey Completed
4. MHM Announcement 29 Apr 2025: Stage 2 soil survey expands target areas. Unlocks EM IP Survey
5. MHM Announcement 18 Dec 2024 - Prospectus

### References – Slide 14

- 5: 8 July 2025: ASX: MKR A\$8M Fully Underwritten Entitlement Offer to Progress Manuka’s Cobar Basin Production Plan
- 6: 27 May 2025: ASX: MAC - MAC Copper Limited Enters Into Binding Scheme Implementation Deed With Harmony
- 7: 16 April 2025: ASX: AMI Great Cobar Project Approval 16 April 2025
- 8: 10 February 2025: ASX: POL \$35 Million Equity Capital Raise
- 9: 23 December 2024: ASX: MHM Commencement of Trading
- 10: Dec 9, 2024: ASX: KSN: \$13.5m Equity Raising to Accelerate Hard Rock Mining in Cobar Basin"
- 11: 16 September 2024: ASX:POL: Endeavour Mine Funding & Offtake Secured
- 12: 11 Sep 2024: ASX: AMI "NSW Government Officially Opens Aurelia Metals’ Federation Mine"
- 13: Jun 23: ASX: MAC acquisition of CSA = US\$1.1B





# VISION UNLOCKING THE GOLD & BASE METAL POTENTIAL OF THE SOUTHERN COBAR BASIN THROUGH SYSTEMATIC EXPLORATION AND EARLY-STAGE DEVELOPMENT



## EXPEDIATED PATHWAY TO Gold Development

- Mt Solitary Exploration Target of 1.3-1.8Mt @ (1-1.35g/t Au)
- Gold Oz: 42.5 – 81.4 kOz
- Resource definition drilling underway mid-2025



## PREMIER LOCATION FOR Base Metal Discovery

- 4 advanced drill stage targets
- Maiden drill program imminent
- Pipeline of earlier-stage prospects



## STRATEGIC LANDHOLDING IN Regional Consolidation

- Building a premium tenure over underexplored stratigraphy
- Actively pursuing farm-ins, JV opportunities, and partnerships





# OUR COMPANY

## BOARD OF DIRECTORS

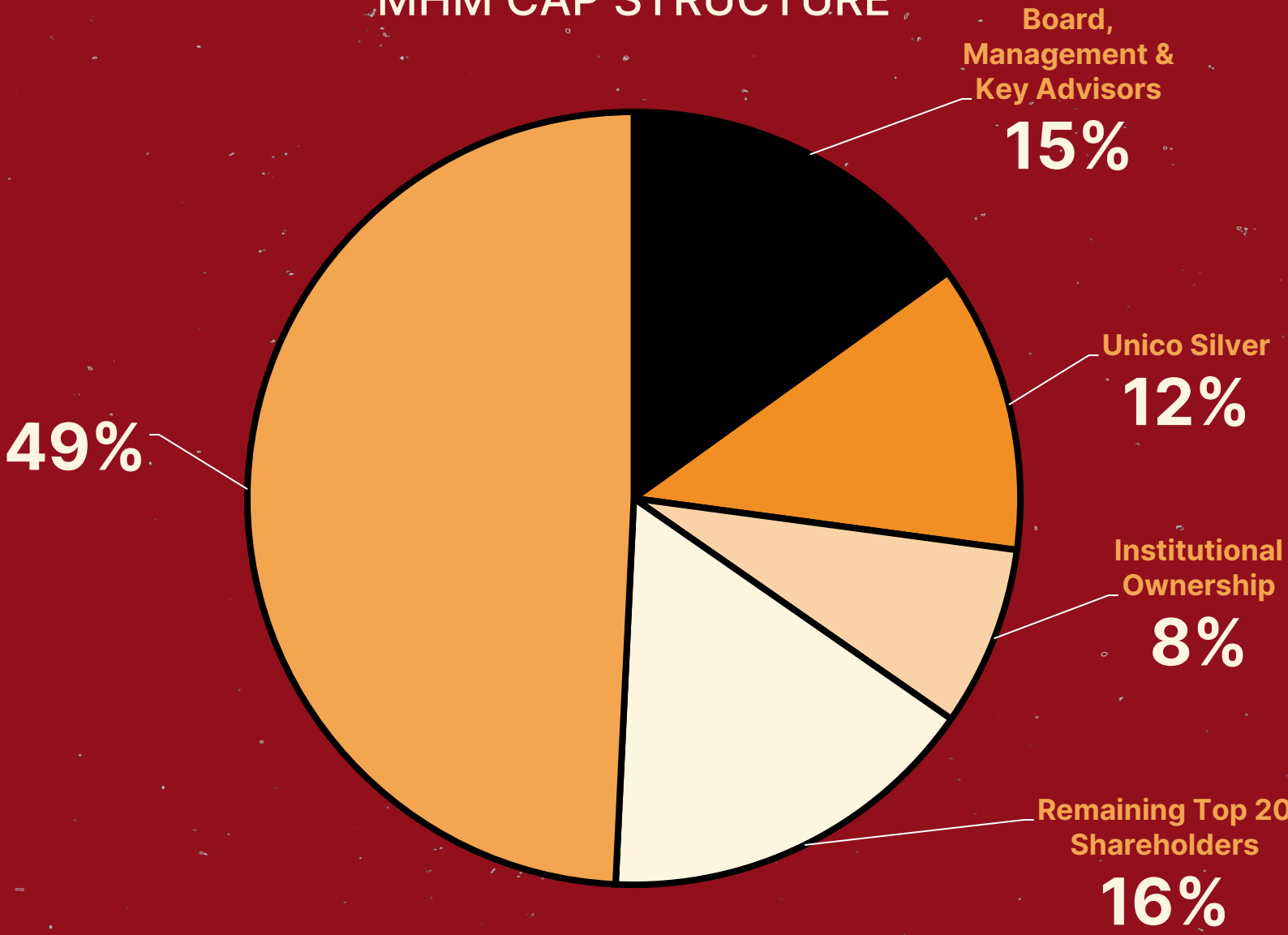
Ben Phillips  
NON-EXECUTIVE CHAIRMAN

Fergus Kiley  
MANAGING DIRECTOR & CEO

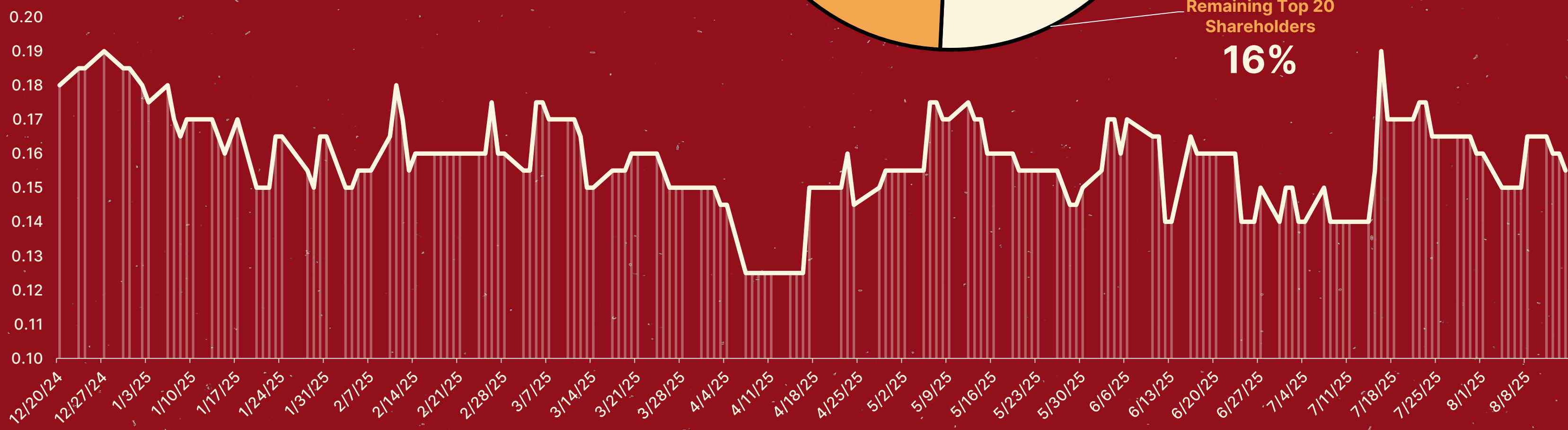
Todd Williams  
NON-EXECUTIVE DIRECTOR

Paul Kiley  
CFO & COMPANY SECRETARY

MHM CAP STRUCTURE



MHM | SHARE PRICE (DAILY)(AU\$)



ASX CODE

MHM

SHARES

41.2M

OPTIONS

18.9M

MARKET CAP

\$6.1M\*

\*at 15 cents AUD per share

CASH (30 JUNE 2025)

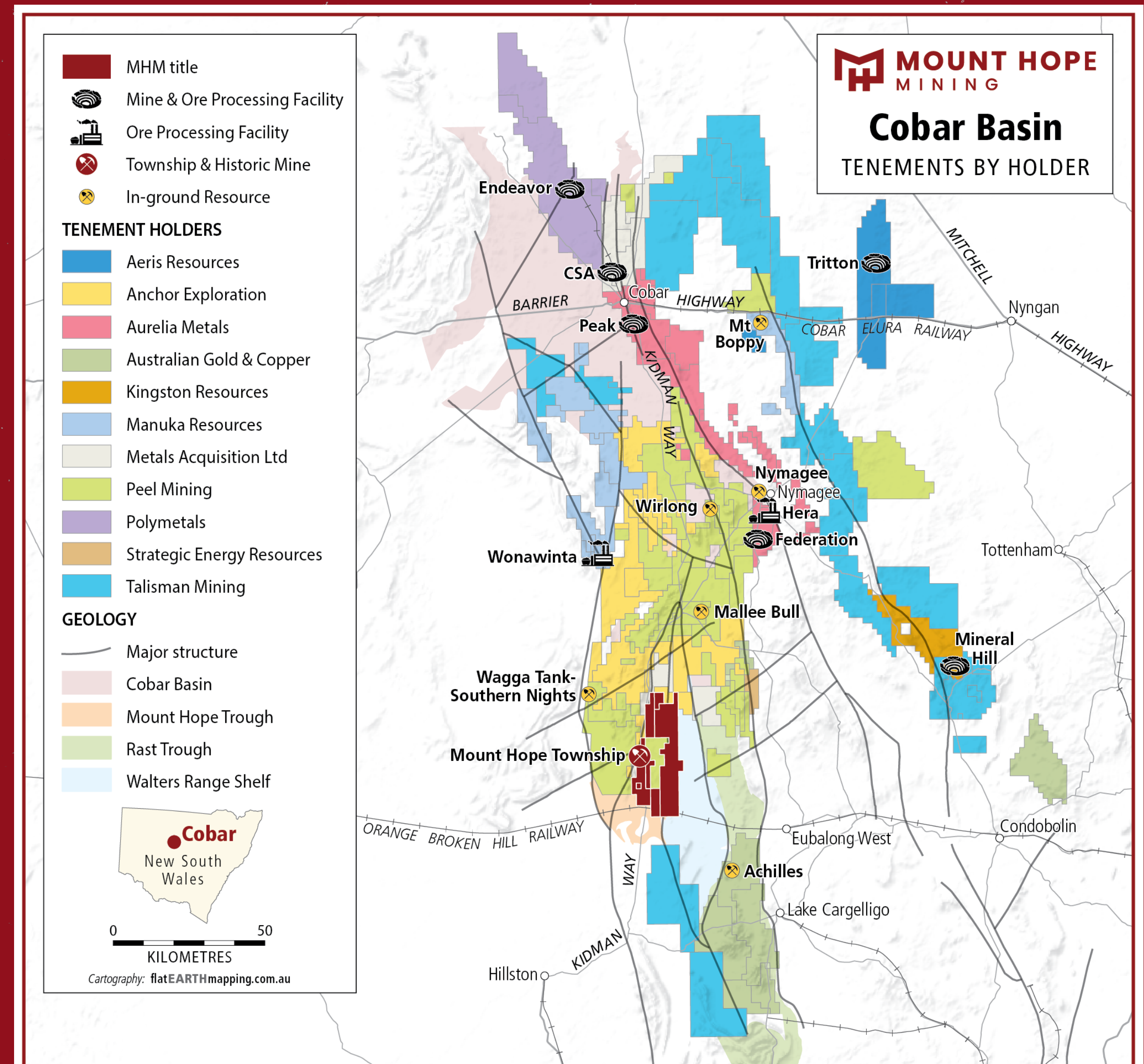
\$3.96M





# LOCATION – COBAR, NSW

- Australia's premier base & precious metals mining jurisdiction
- 417km<sup>2</sup> tenure on majority freehold land
- 5 advanced targets heading to maiden drill program
- Mining supportive local economy – 6 operating mines and 7 different Mills within 200km
- Well established infrastructure, including road and rail
- *MAC Copper acquired by Harmony Gold ~A\$1.6B<sup>1</sup>*



Cobar mining locations & tenements

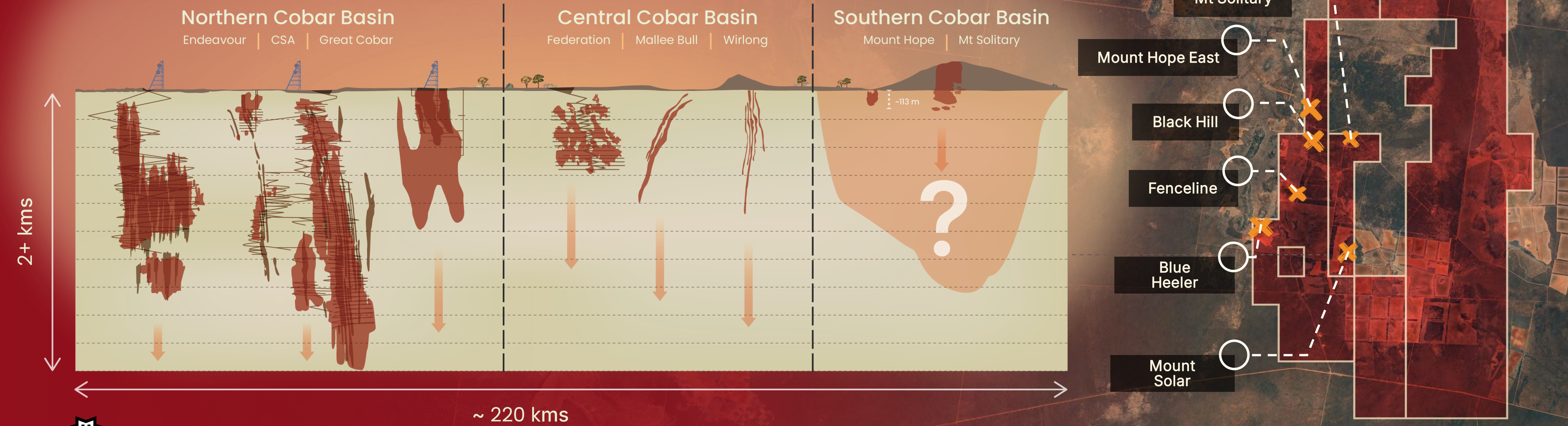
Source

1: MAC Copper: ASX Announcement, 27 May 2025 - Binding Scheme Implementation Deed with Harmony



# THE PROJECT – EXPLORATION POTENTIAL

- Gold resource growth opportunity at Mt Solitary
- Broader portfolio of advanced copper-gold exploration targets
- Cobar yields exceptionally deep, high potential mineral deposits





# MT SOLITARY

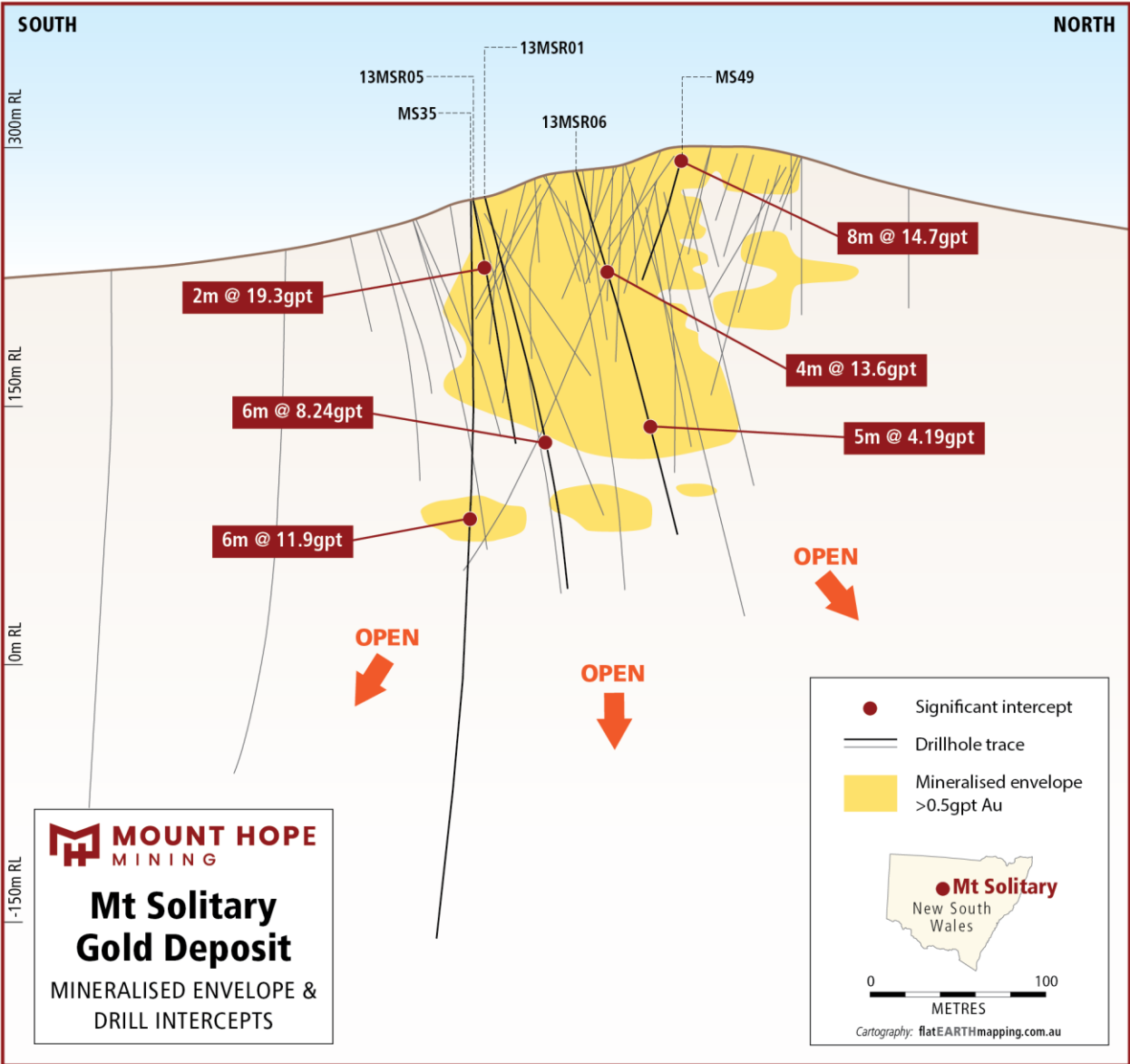
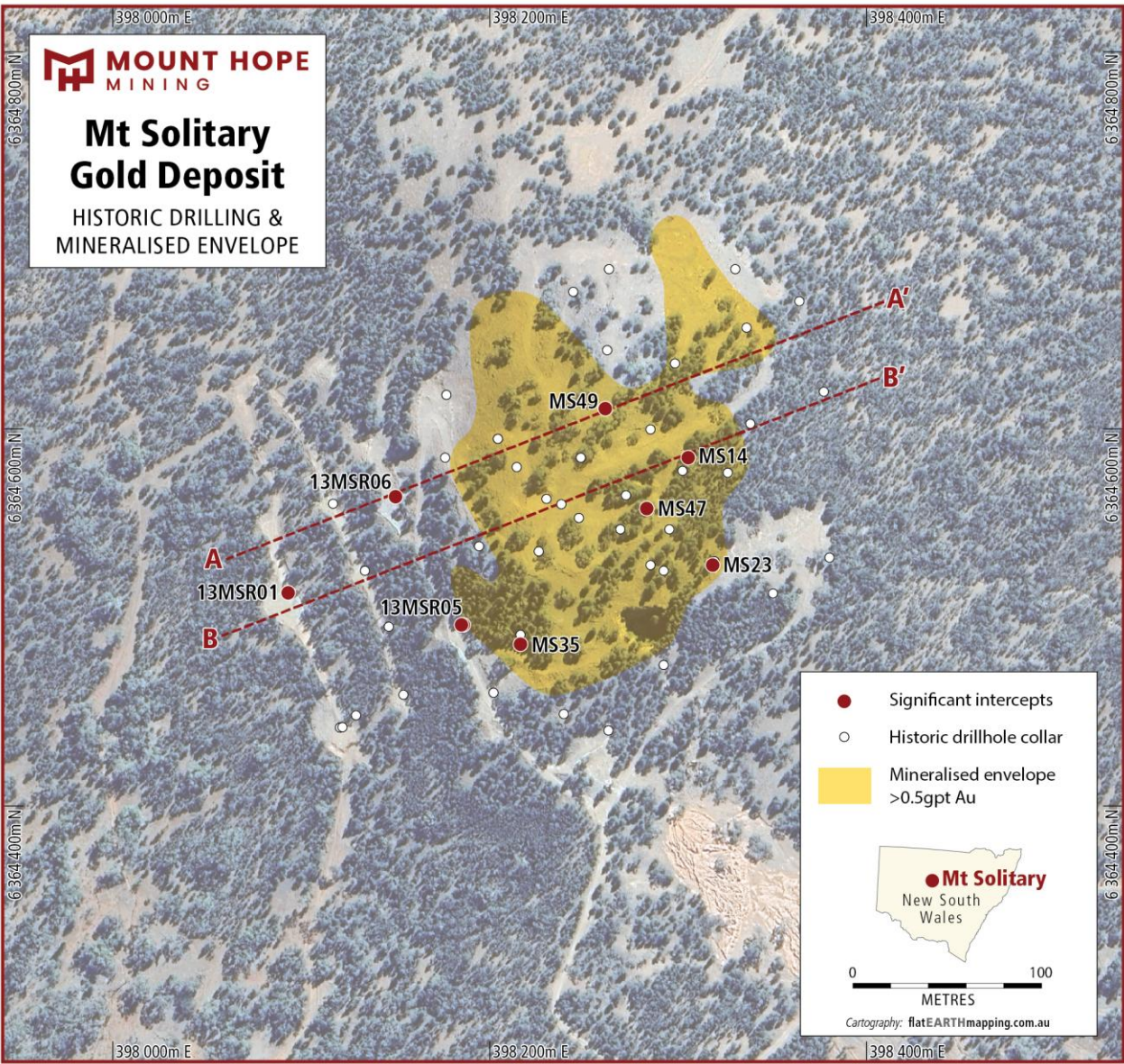
- Maiden drill program - 1,500m RC program scheduled for mid-August
- Advancing towards JORC Resource
- Exploration upside - open along strike & at depth
- Rapid development via tolling

Exploration Target

EXPLORATION TARGET	TONNAGE (Mt) RANGE
Total	1.32 - 1.87
Au (g/t)	Au (kOz)
1.0 – 1.35	42.5 – 81.4

PROSPECT	HOLE ID	INTERVAL (m)	Au_GT	Au (gpt)	
MS	13MSR05	4	40	9.98	4m at 9.98gpt Au, from 49m
MS	MS56	7	40.2	5.73	7m at 5.73gpt Au, from 70m
MS	MS61	10	42.2	4.22	10m at 4.22gpt Au, from 111m
MS	MS58	8	44	5.49	8m at 5.49gpt Au, from 16m
MS	MS48	9	48.7	5.41	9m at 5.41gpt Au, from 15m
MS	13MSR01	6	49.5	8.25	6m at 8.25gpt Au, from 148m
MS	MS14	22	50	2.27	22m at 2.27gpt Au, from 32m
MS	MS14	4	57.4	14.34	4m at 14.34gpt Au, from 76m
MS	MS02	9	67.5	7.49	9m at 7.49gpt Au, from 66m
MS	MS47	5	68.9	13.77	5m at 13.77gpt Au, from 31m
MS	MS35	6	71.4	11.91	6m at 11.91gpt Au, from 184m
MS	MS49	8	117.9	14.7	8m at 14.7gpt Au, from 1m
MS	MS23	46	146.3	3.18	46m at 3.18gpt Au, from 24m

Mt Solitary Significant Intercepts

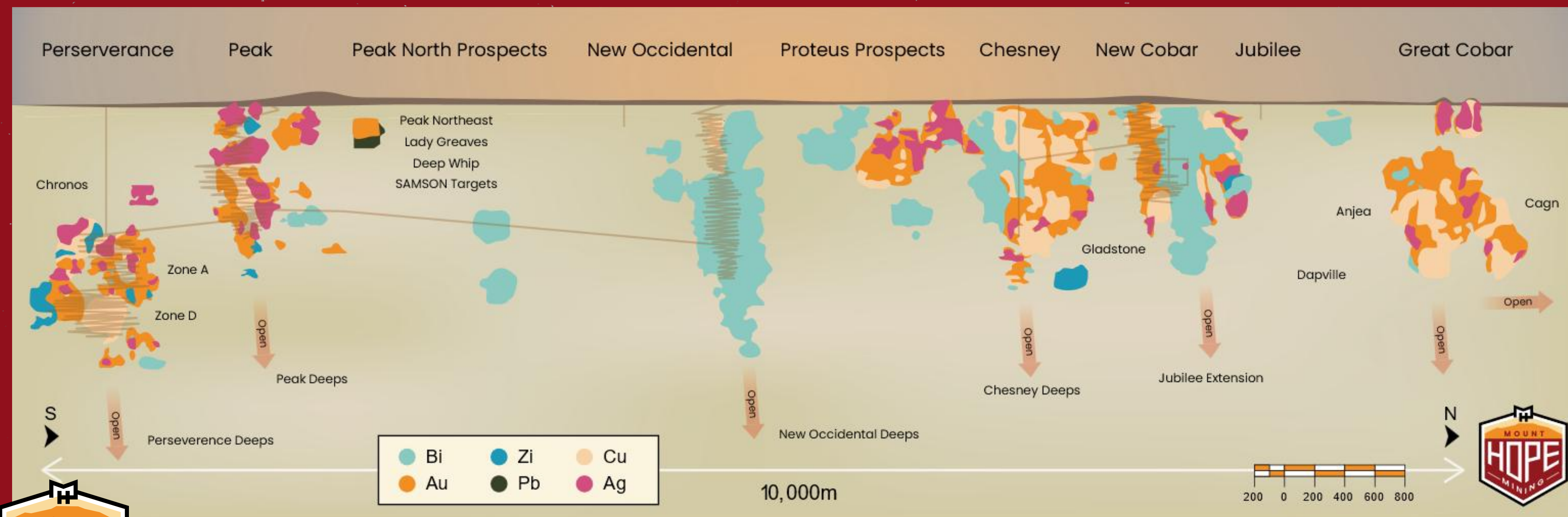
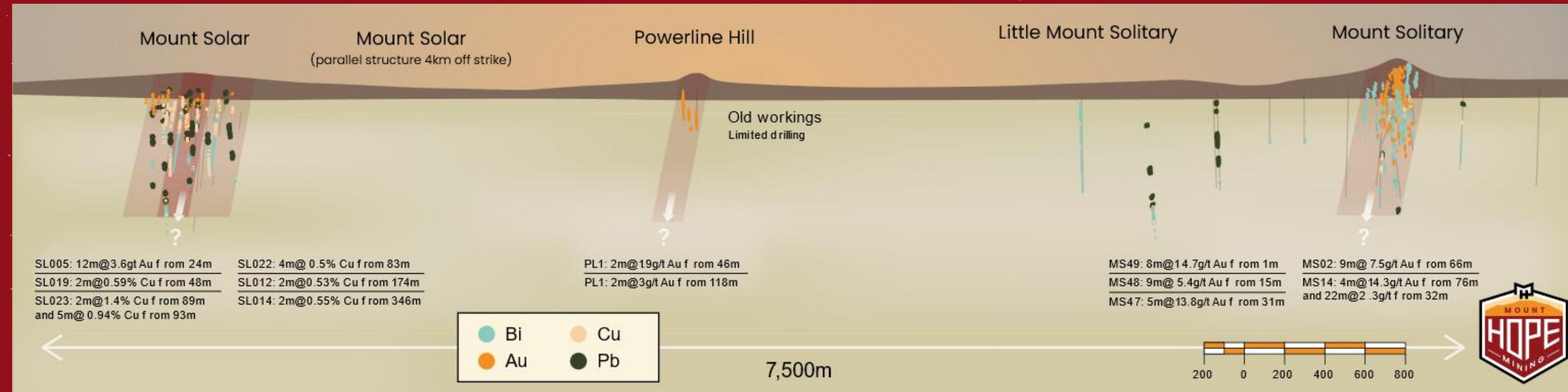


Mt Solitary map & long section





# MT SOLITARY EXPLORATION UPSIDE



- Mt Solitary Shear is an analogue for the Peak-Perseverance Shear
- The Peak – Perseverance produced over ~2.5 mOz Au and 140 kT of Cu<sup>2</sup>
- Similar geochemical signature Bi/Cu/Au/Pb
- Mt Solitary Shear is 7.5km strike owned 100% by MHM
- Proximity to major subsurface intrusions - potential source of hydrothermal fluids

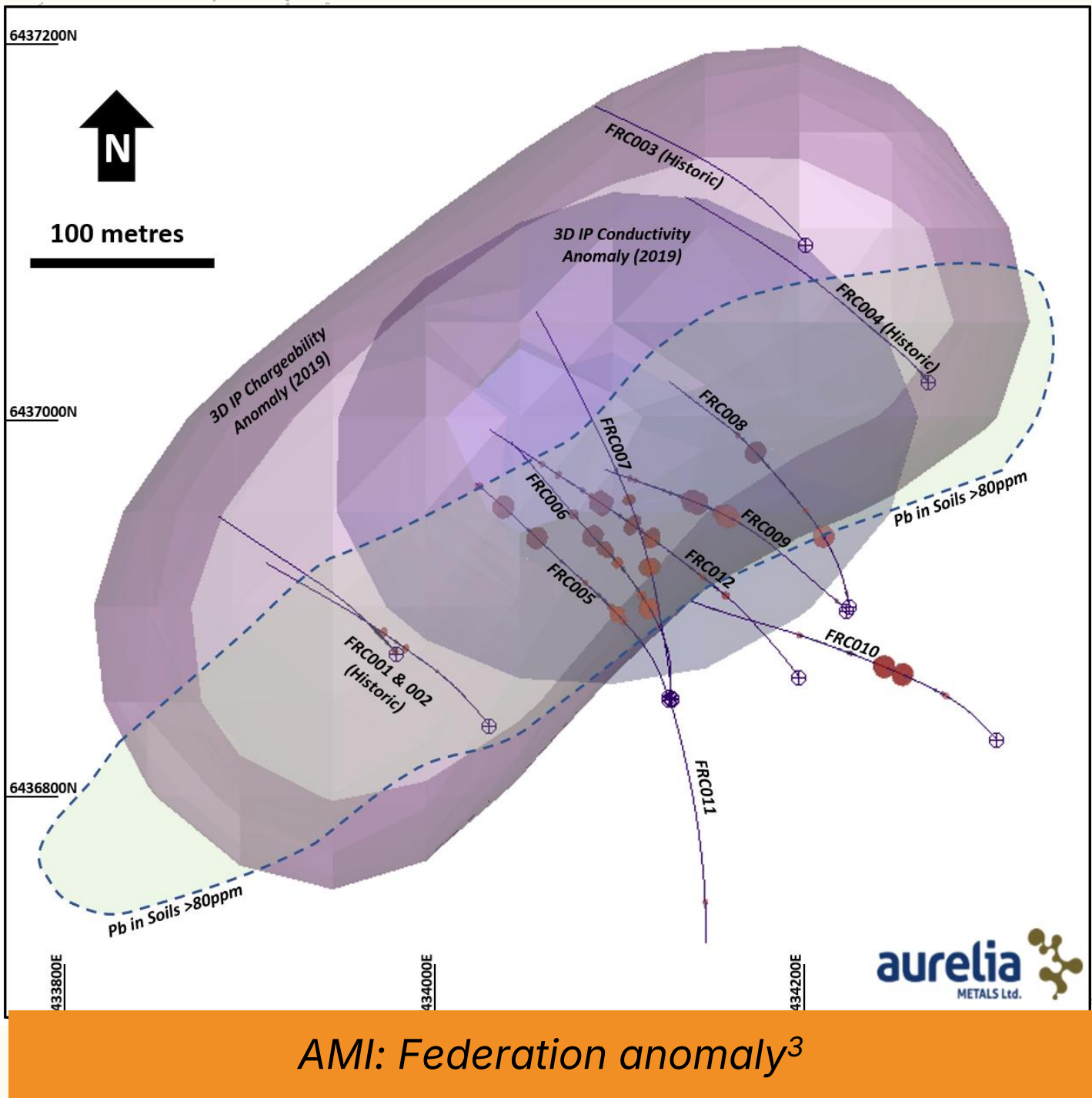
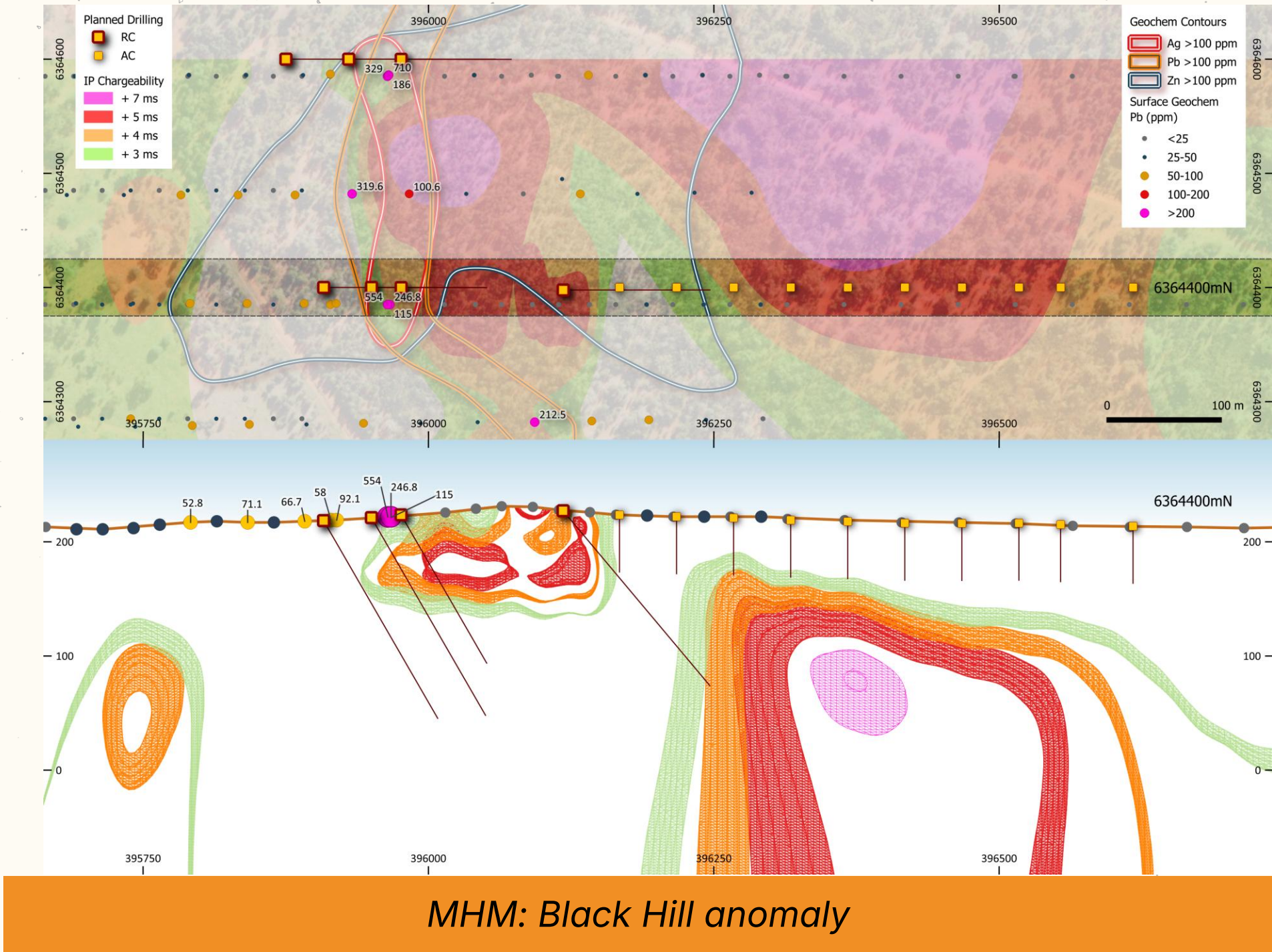




# BLACK HILL - FEDERATION 2.0

- Black Hill is located 1.7km south of historic Mt Hope Copper Mine
- The anomaly occurs on the western side of a small topographic rise
- Identified in 1975 by Esso
- Recent application of Cobar style mineralisation model highlighted the area for further exploration
- **1200m RC/AC Drill program scheduled for mid-August**

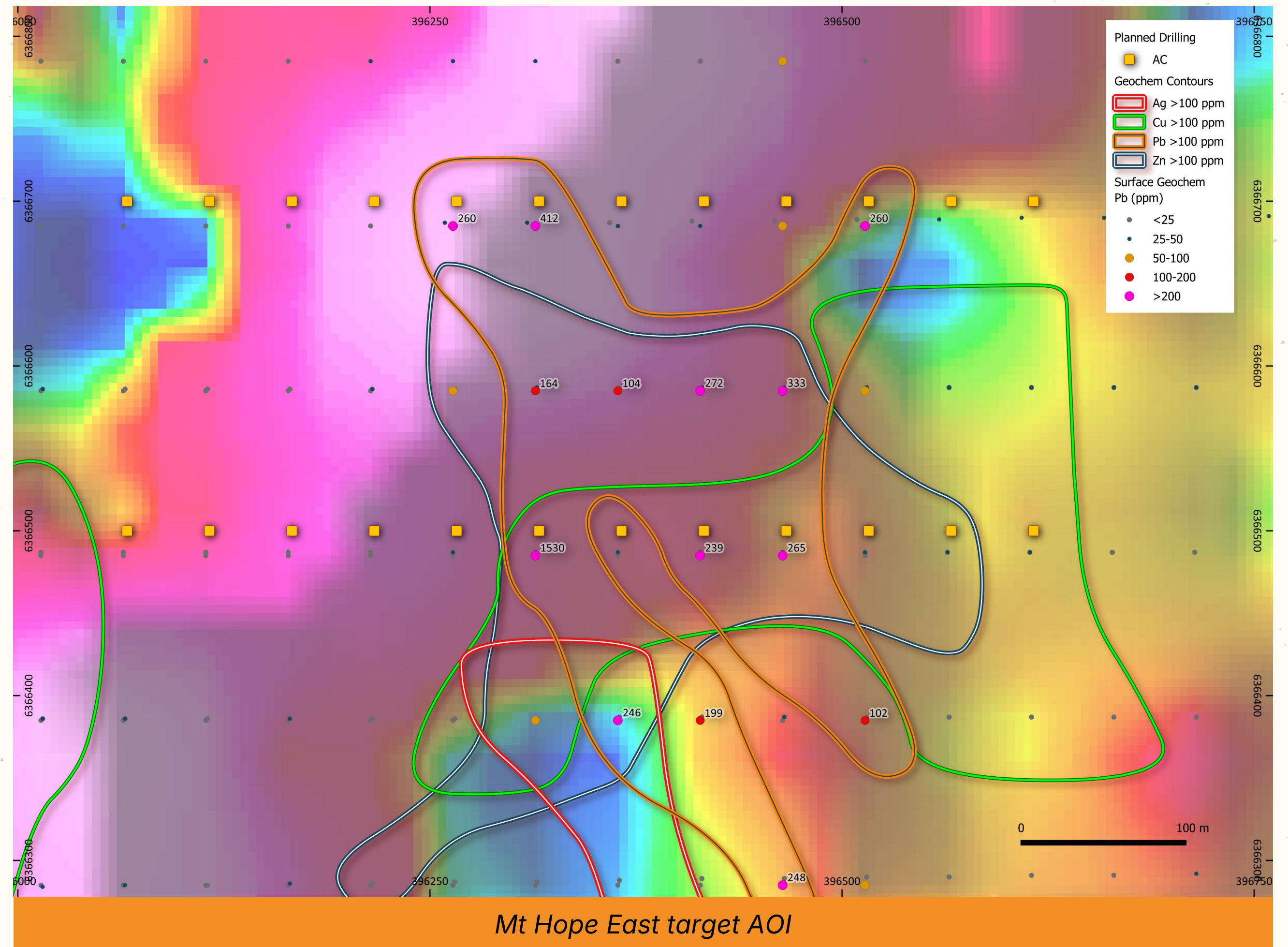
PROSPECT	GEOLOGICAL AGE	GEOLOGICAL UNITS	METALS	SOIL ANOMALY	IP CHARGEABILITY	IP CONDUCTIVITY	DRILL TESTED
Federation	Devonian Turbidite sequence	Folded Mouramba and Amphitheatre Groups	Pb/Zn/Ag/Au ±Cu	±600m 300ppm Pb max value	±600m	±250m	✓
Black Hill	Devonian Turbidite sequence	Folded Broken Range Sediments	Pb/Zn/Ag±Cu ±Au	±500m 554ppm Pb max value	±400m	±150m	X





# MT HOPE EAST

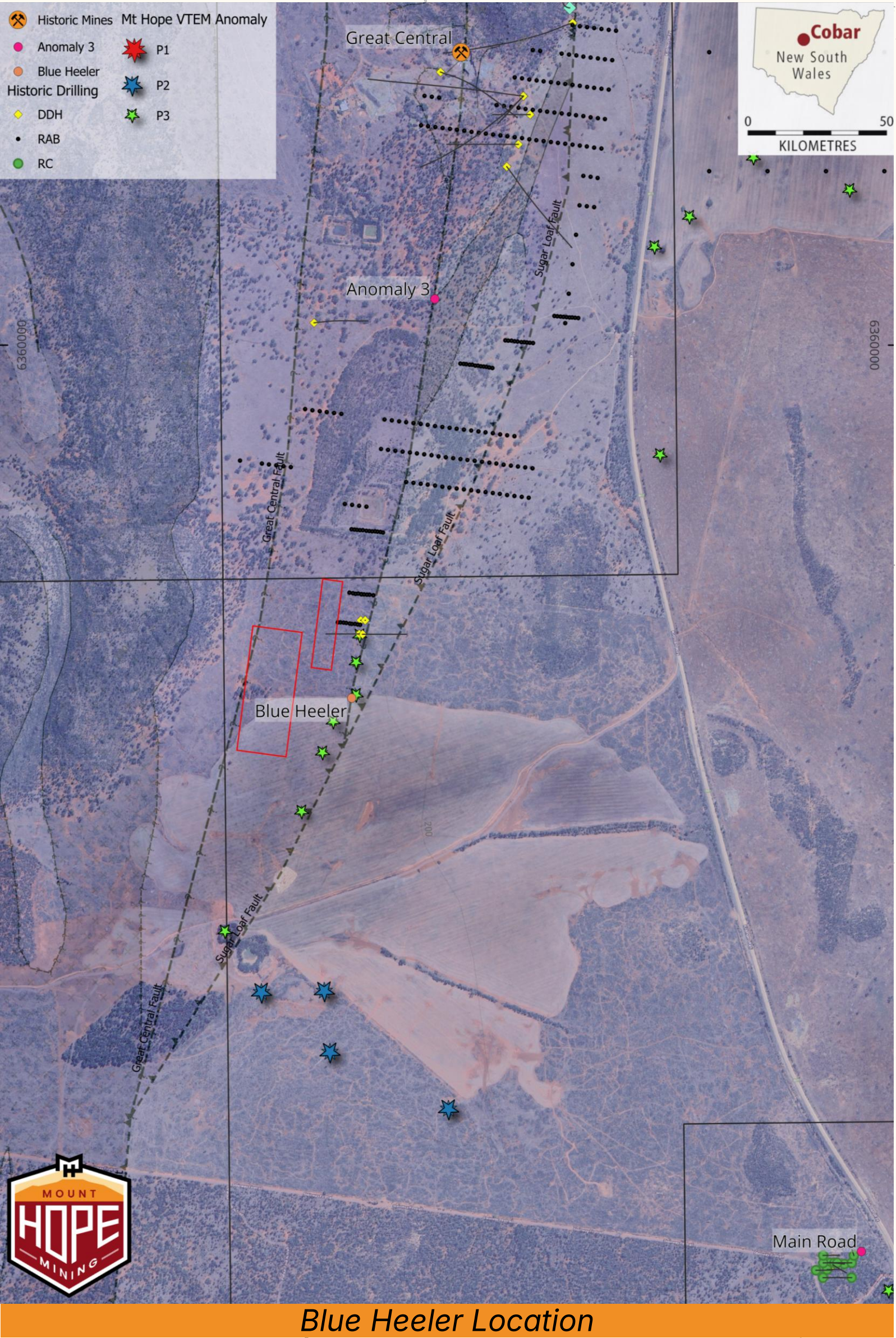
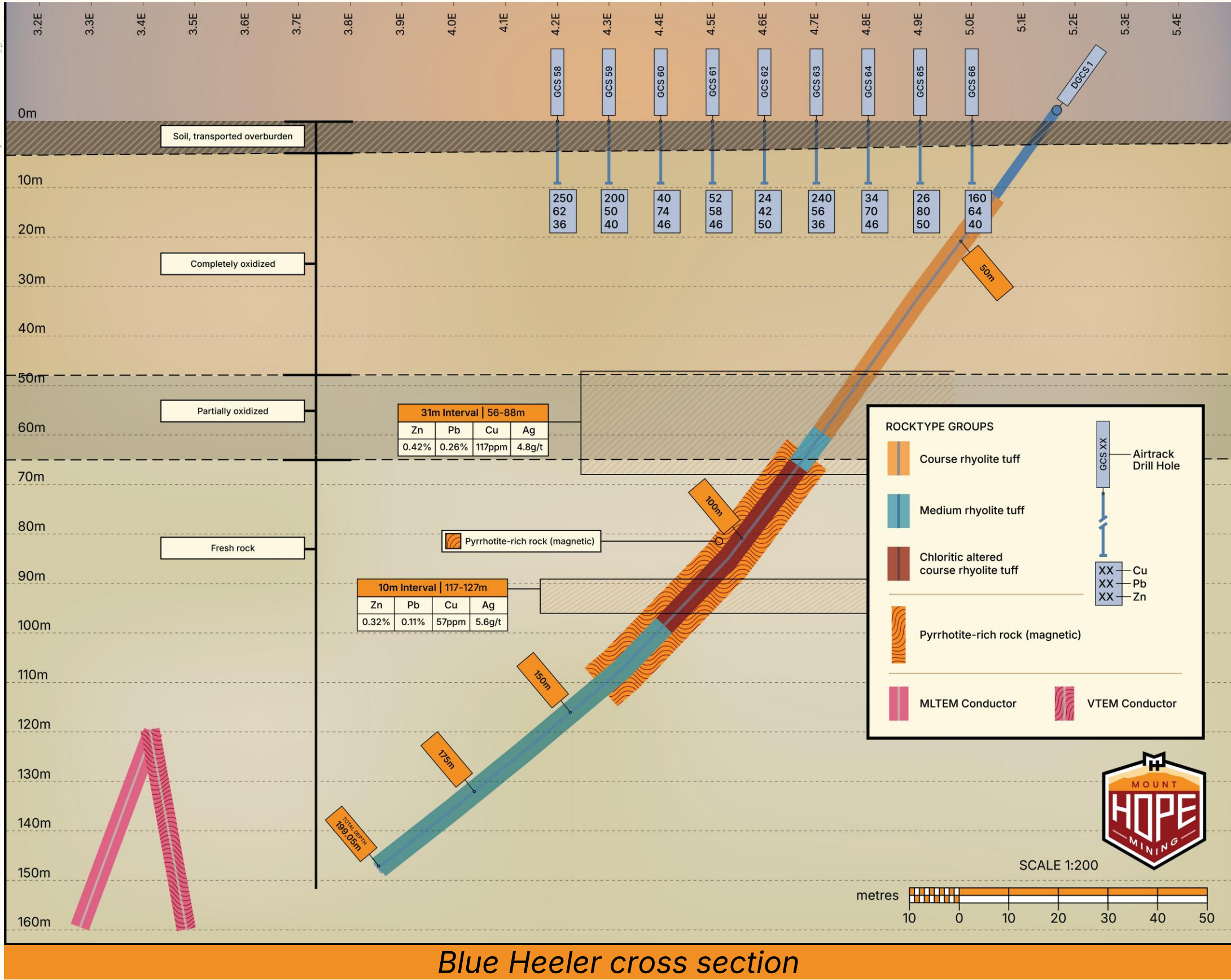
- East (1km) of historic Mt Hope Copper mine (75Kt @ 10.5% Copper  $\pm$  Au-Ag-Pb-Zn)
- Exploring for continuation of this system
- IP & EM response strengthens to the north offset from the strongest Geochem anomaly
- ***800m Air Core program scheduled for mid-August***





# BLUE HEELER

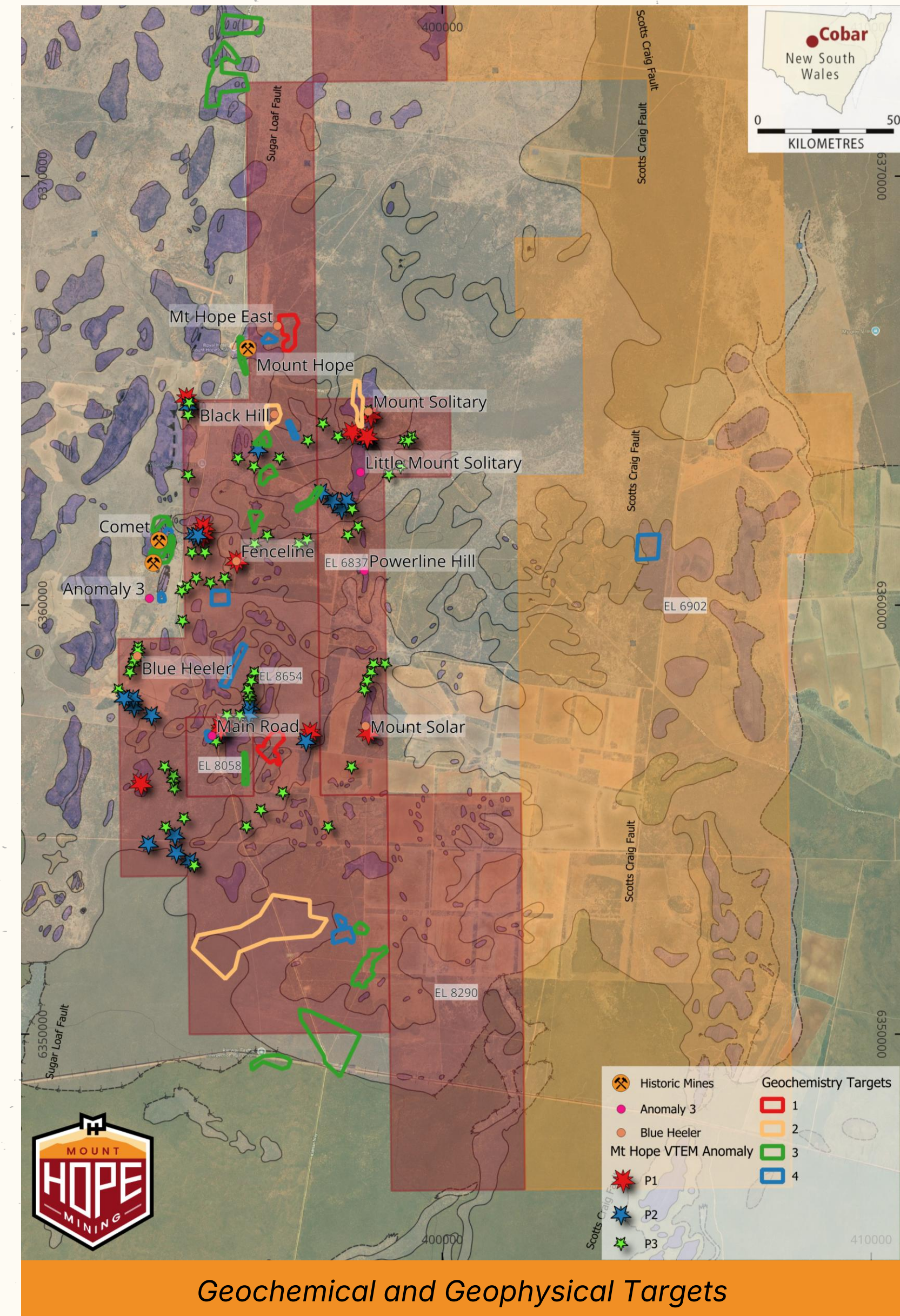
- MLTEM EM target plate ~600m strike
- EM plates 200m west “near miss” drill hole DGCS-1, 2km along strike from Comet and Great Central copper mines
  - *31m @ 0.42% Zn, 0.26% Pb, 117 ppm Cu and 4.8 ppm Ag<sup>4</sup>*
- 1km south of Anomaly 3 Gossan, a weathered massive sulphide lens
- *1000m RC Drill program scheduled for mid-August*





# REGIONAL EXPLORATION

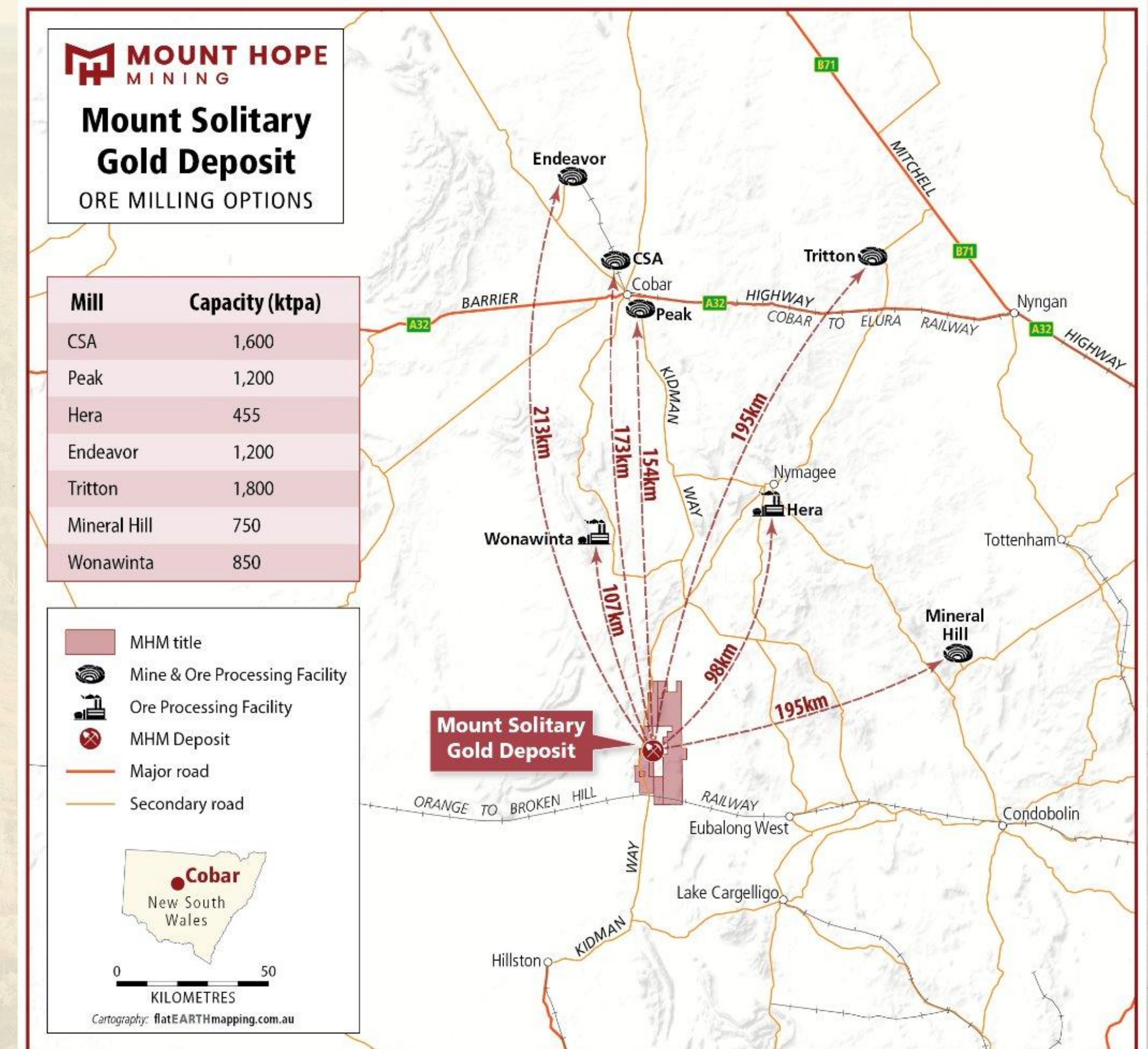
- **Over 40 additional early stage exploration target areas identified.**
- Recently doubled land package following further staking of 242 km<sup>2</sup> of prime real estate.
- MHM now controls ~40km of the strike of Scotts Craig Fault, along with the existing Sugar Loaf Fault.
- Advanced targets include additional EM/IP Conductors identified in recent surveys or geochemical anomalies not followed up by previous explorers.
- Significant mapping and sampling campaigns have been commenced to refine each target area.





# GOLD DEVELOPMENT STRATEGY

- MHM plans to expedite the development of the Mt Solitary deposit for early cash flow.
- Mt Solitary contains an outcropping gold system on top of an 80m tall hill, reducing strip ratio for future development
- Project area is a historic mine on previously disturbed ground
- Located 500m from a sealed road and 3km from the town of Mt Hope (power, water, accommodation & people)
- Situated within 200km of 7 different mills, most with excess capacity for tolling



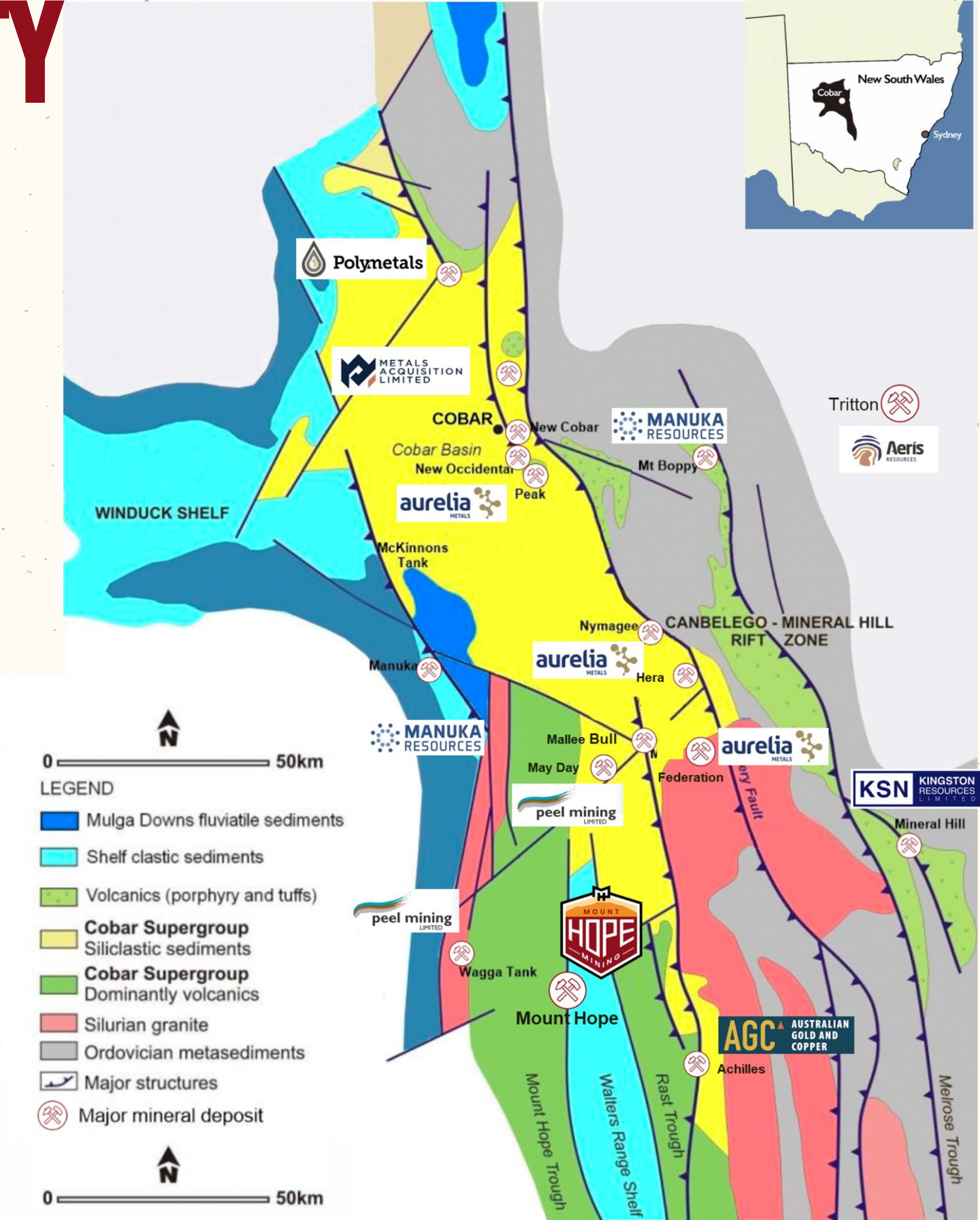
*Mt Solitary trucking distance to Cobar basin mills*





# COBAR DISTRICT CORPORATE ACTIVITY

Date	Event	Company	Value (A\$)
Jul 2025	Entitlement Offer to fund 10-Year Production Plan at Wonawinta <sup>5</sup>	MKR (Manuka)	A\$8 million
May 2025	<b>Binding Scheme Implementation Deed with Harmony Gold Mining (MAC Copper acquisition)<sup>6</sup></b>	<b>MAC / Harmony</b>	<b>~A\$1.7 billion (est.)</b>
Apr 2025	Great Cobar Project Approved – 3.6 Mt @ 3.2% Cu over 8 years <sup>7</sup>	AMI (Aurelia)	A\$91.8 million
Feb 2025	\$35M Equity Capital Raise to fund Endeavor restart <sup>8</sup>	POL (Polymetals)	A\$35 million
23 Dec 2024	<b>Commencement of Trading on ASX<sup>9</sup></b>	<b>MHM (Mount Hope Mining)</b>	<b>A\$5.2 million</b>
Dec 2024	Equity raising to accelerate hard-rock mining in the Cobar Basin <sup>10</sup>	KSN (Kingston)	A\$13.5 million
Sep 2024	Project financing secured for Endeavor Mine (with offtake agreement) <sup>11</sup>	POL (Polymetals)	~A\$20–30 million (est.)
11 Sep 2024	Federation Mine officially opened by NSW Government <sup>12</sup>	AMI (Aurelia)	NPV <sub>7</sub> (real, pre-tax) A\$415 million
Jun 2023	<b>Acquisition of CSA Mine from Glencore<sup>13</sup></b>	<b>MAC (MAC Copper)</b>	<b>US\$1.1 billion (~A\$1.6B)</b>



Cobar Basin Operators & Explorers





# NEXT STEPS



PHASE 1

## NEW GREENFIELD TARGETS



**Black Hill Phase 1**  
RC Drill Program -1,200m



**Blue Heeler Phase 1**  
RC Drill Program – 1,000m



**Mt Hope East Phase 1**  
AC Drill Program – 800m



PHASE 2

## MT SOLITARY EXPLORATION TARGET



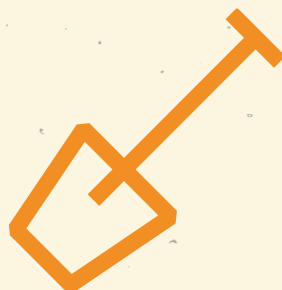
Infill & extensional  
drilling



Maiden MRE



Metallurgical test work



PHASE 3

## REGIONAL CONSOLIDATION



Expanded exploration  
footprint



Target generation  
ongoing





## ASX CODE

MHM

## CONTACT DETAILS

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