

## **Investor Presentation**

Pursuing gold-antimony and base metals discoveries in tier-1 mineral belts in Tasmania

ASX: AUH

May 2025





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#### **Competent Persons Statement**

The information in this announcement that relates to Exploration Results was compiled by Ian Neilson, who is a Member of the Australian Institute of Geosciences and was a major shareholder of Penwortham Exploration Pty Ltd, who were the vendors to the projects. Mr Neilson is providing geological support to the Company on the project areas. Mr Neilson has sufficient experience which 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 Neilson consents to the inclusion in the announcement of the matters based on the information in the form and context in which it appears. The Company confirms that it is not aware of any new information or data that materially affects the information in the original reports, and that the forma and context in which the Competent Person's findings are presented have not been materially modified from the original report.



### **CORPORATE OVERVIEW**

CAPITALISATION DATA									
Share Price	A\$	\$0.001							
Issued Capital		3.02 billion							
Market Capitalisation	A\$M	3.00							
Cash	A\$M	\$350,000							
Enterprise Value	A\$M	3.0 million							
MAJOR SHAREHOLDERS									
HSBC Custody Nominees (Aus	stralia) Limited	30.65%							
Blackcro Investments Pty Ltd	12.66%								
ProGreen Singapore Pte Ltd	9.09%								
KAMS Brother Holdings Limit	4.23%								
	Cu								
Mylonite Pty Ltd		2.98%							



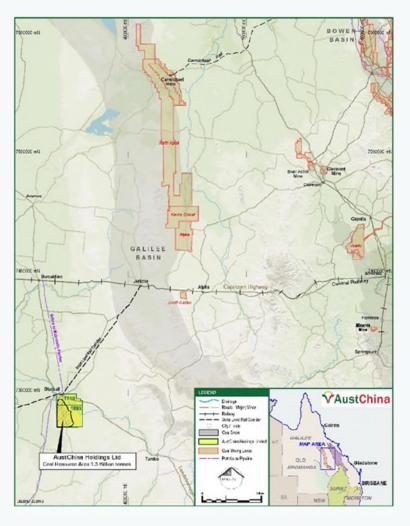


#### **OVERVIEW**

- ✓ ASX Listed Company (ASX: AUH) governance in accordance with Australian corporate laws and standards
- ✓ Thermal Coal project (Blackall) Holds coal exploration portfolio in Queensland, Australia including JORC Inferred Coal Resource of 1.275 billion tonnes of thermal coal which includes 55m tonnes of Indicated Resource.
- ✓ Gold-Antimony–Base Metals (Tasmania) Granted Exploration Licence EL 16/2022 and Application EL 6/2021 targeting gold, antimony, copper and base metals (zinc and lead)
- ✓ Copper Investment Shareholding in Revolver Resources Limited (ASX:RRR) with copper mineralisation being the primary target at its Dianne Mine and Osprey projects.
- ✓ Open to new opportunities both in resources and in other commercial areas through Joint Ventures or Investment



### **BLACKALL COAL PROJECT**



#### EPC 1993 & EPC 1719

- 1.275 billion tonnes of thermal coal which includes JORC
   Inferred Resource and 55m tonnes as an Indicated Resource.
- Over 800Mt of the resources is estimated at less than 50 metres depth.

Total Coal Resources (Inclusive of Resources modified to produce Reserves) 26 February 2024											
Mining Method	Depth Interval (m)	Measured (A)		Indicated (B)			(A+B)	Inferred			
		Tonnes	Quality		Tonnes	Quality		Tonnes	Tonnes	Quality	
		(Mt)	CV (kcal/kg)	Ash (%)	(Mt)	CV (kcal/kg)	Ash (%)	(Mt)	(Mt)	CV (kcal/kg)	Ash (%)
ос	0 – 50	-			47.4	3590	22.8	47.4	761	3820	19.7
ос	50 – 100	-			7.2	3920	18.5	7.2	416	3900	19.1
ос	100 – 150	-			-		-	-	43	4270	15.3
Total		-	-		54.7	3640	22.2	54.7	1220	3850	19.5

AUH ASX announcement 27 February 2024: "Coal Resource Upgrade for the Blackall Coal Project"



#### **NEW TASMANIAN INVESTMENT**

#### AustChina has acquired a portfolio of Gold-Antimony and Base Metals exploration assets in Tasmania<sup>1</sup>

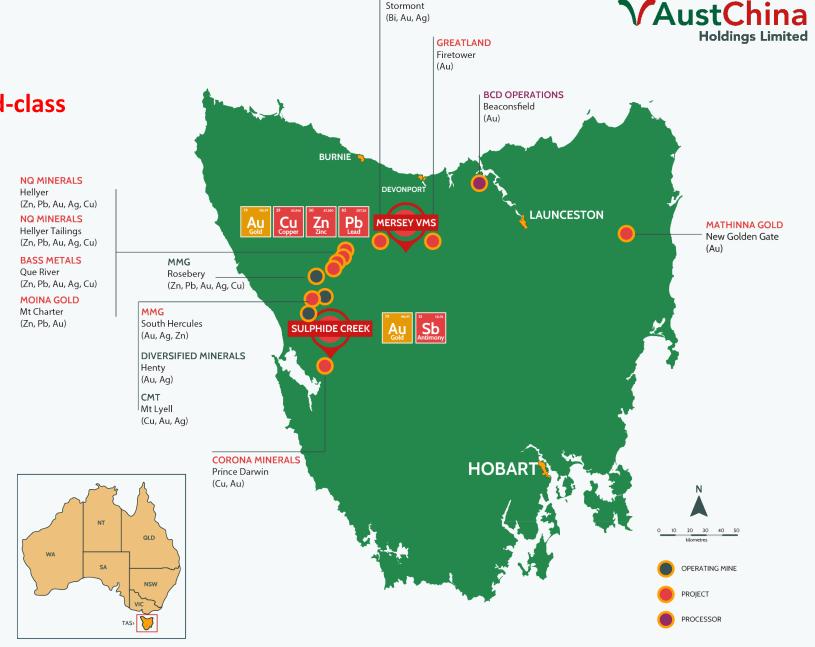
- ✓ New project acquisition allows AUH to expand into high-demand commodities gold, antimony and copper in active, Tier-1 mineral belts
  - Sulphide Creek Gold-Antimony Project; and
  - Mersey VMS Base Metals (including Copper and Gold) Project.
- ✓ Historical high-grade exploration results opportunity to apply modern exploration techniques to deliver near-term value
- ✓ **Targeted, value-accretive field work to commence immediately** maiden drilling program planned within six months at Sulphide Creek
- ✓ Project (subject to exploration results and requisite approvals)
- ✓ Focused board and highly experienced technical team committed to advancing projects and delivering shareholder value
- ✓ Highly supportive government jurisdiction for minerals exploration
  - Tasmania's Critical Minerals Strategy fosters a sustainable industry by leveraging geology, infrastructure, clean energy, and responsible extraction for a secure, cleaner future;
  - Tasmanian government's Exploration Drilling Grant Initiative (EDGI) provides funding for exploration drilling;
  - A focus on developing production and processing capabilities within Tasmania to further add value

#### **PROJECT LOCATIONS**

**Quality exploration assets in world-class exploration precinct in Tasmania** 

- High-grade Sulphide
   Creek Gold-Antimony
   Project in the Tier-1
   Queenstown mining
   district;
- Mersey VMS Base
   Metals Project
   including Copper and
   Gold.

Historical Mines and exploration in area date back to early 20th century - highlight prolonged prospectivity of region.



**MOINA GOLD** 

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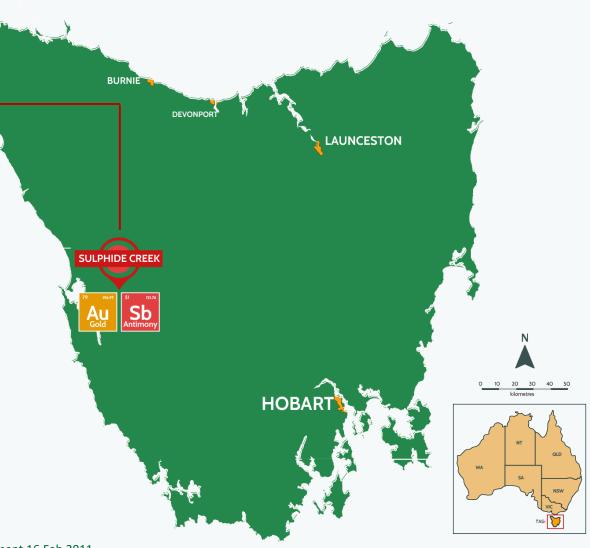


### SULPHIDE CREEK GOLD-ANTIMONY PROJECT<sup>1,2</sup>





- Sulphide Creek Gold-Antimony Project (EL16/2022) is located in Tasmania's worldclass Queenstown mining district
- Multiple gold targets along 6km of strike, tracking a major structure which has been under-explored to date
  - Historical workings contain ½ ounce Au grades
  - Antimony workings with notable 60-70% Sb high grades
- New mineralisation model to explore and develop<sup>2</sup>;
  - with structural evidence of potential orogenic style gold mineralisaton (e.g. Fosterville, Victorian goldfields) and
  - large mineralized system in adjacent tenure with Mt Lyell Cu-Au Deposit, showing fertility of area
  - AUH plans to drill high priority Coupon Au target
- Historic exploration modelling suggest potential for a 500,000 to 1 million oz Au system at Sulphide Creek Project<sup>3</sup>
- Opportunity to develop compelling model for high grade antimony targets with modern exploration techniques, linked to gold system



<sup>1</sup>AUH ASX announcement 4 Feb 2025; <sup>2</sup>AUH ASX announcement 7 May 2025; <sup>3</sup>Shree Minerals Limited ASX announcement 16 Feb 2011



### SULPHIDE CREEK PROJECT<sup>1</sup>

#### Located in prolific historical mining area of Western Tasmania

- Project is 5km south of Queenstown mining centre and Mount Lyell Mine
   good access to road, power, water and workforce
- Granted tenure (EL16/2022) covering 224km<sup>2</sup> located dominantly within crown land or timber production zone - good land access

#### **Key Target areas:**

- **≻Rinadeena** (Sb),
- **≻Coupon** (Au),
- **>24-28 Anomaly** (Au),
- > Davie (Au), and
- **≻Davie PA** (Au)



#### SULPHIDE CREEK GEOLOGY<sup>1</sup>



- Project lies on western margin of the Mount Read Volcanics within the Dundas stratotectonic element, with lower greenschist metamorphism and deformation linked to the Devono-Carboniferous Tabberabberan Orogeny.
- The geology consists of three structurally bound zones:
  - Western half: Ordovician—Devonian marine clastics, divided by the N-S striking Harvey Creek Fault (HCF).
  - Northeast: Similar clastics with substantial Gordon Limestone thicknesses east of the HCF.
  - Southeast: Cambrian Tyndall Group volcanoclastics fault-bounded and unconformably overlain by Ordovician Gordon Limestone, juxtaposed with Cambro-Ordovician clastics and conglomerates.
- Main target area is transected by the HCF and related secondary structures. Gold mineralisation is structurally controlled and hosted in gold-arsenopyrite-pyrite quartz vein in stockworks
- Mineralisation is associated with significant silica and sericite alteration.
   Geological interpretation suggests orogenic style mineralisation

<sup>1</sup>AUH ASX announcement 4 Feb 2025

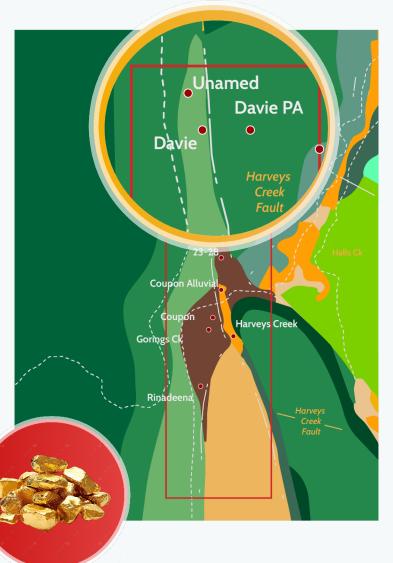
### COUPON GOLD PROSPECT<sup>1,2</sup>



- Historic mine reported at least six tunnels plus shafts and winzes were developed historically into gold-bearing limonitic zones. Production records in 1913 indicate 32t of ore was extracted at recovered grade of 12 g/t Au<sup>1</sup>.
- The Company's review of historic data at the Coupon area also shows significant historic soil, rock chip and channel sampling has been completed. This data is currently being compiled, with the Company aiming to identify additional drill targets from this work.
- Historic drilling at Coupon returned several intersections > 1g/t Au. The area also has a 20m to 50m wide halo of low-grade gold mineralisation (0.3 to 0.6g/t Au).
- Highlights drilling intersections include<sup>2</sup>
  - 56m @ 0.6 g/t Au from surface, including 12m @ 1.7 g/t Au from 26m in LT89CCRC03 (Cyprus Gold);
  - 12m @ 1.2 g/t Au, from 12m, including 2m @ 4.2 g/t Au from 16m in LYN002 (Goldstream Mining);
  - 17.5m @ 0.82 g/t Au, from 13m, including 2.5m @ 2.7 g/t Au from 16m in LYN004 (Goldstream Mining)
- No significant exploration testing of Coupon since 1995 assessed as significant exploration opportunity and priory target for AUH.
- New structural model identified as analogous to high grade gold mineralisation in the central Victorian Goldfields.
- Drill thus far has only hit the halo-related gold (i.e., **0.3 to 1.5 g/t Au**). AUH will now target potential for high grade shoots in upcoming drill program (i.e., **15 to 32 g/t Au**)

<sup>1</sup>AUH ASX announcement 4 Feb 2025 <sup>2</sup>AUH ASX announcement 7 May 2025

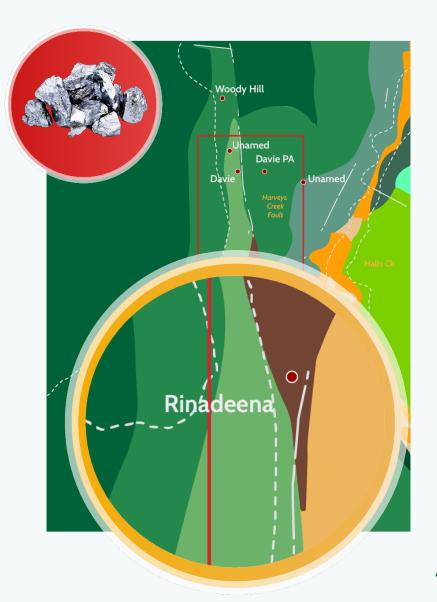
### DAVIE GOLD PROSPECT<sup>1,2</sup>



- The Davies Prospect is approximately 3.2km north along strike of the Coupon Prospect, with ready access via the Lyell Highway. It shows a similar mineralisation style along the Harvey fault system
- Davie workings consists of several shafts and adits developed on quartz reefs which recorded 14 g/t gold at surface<sup>1</sup>.
- Faulted Fe-rich breccia/veining identified at surface. Like Coupon, the review of historic data at Davies also shows significant historic soil, rock chip and channel sampling has been completed. This data is currently being compiled
- Two small historic drilling programs have been completed at the prospect, which identified a broad zone of low-grade (0.3 to 0.5g/t Au) stockwork gold mineralisation.
- Zelos Resources (ASX:ZCO) reported encouraging results from two of three diamond drill holes completed in 20063, including 106.5m @ 0.33 g/t Au to EOH (Figure 4).
- Shree Minerals completed two diamond drillholes in 2011,
  - Hole SCDDH4 returning 23.5m @ 0.41g/t Au (from 17m), including 3m @ 1.26g/t Au
  - Hole SCDDH5 returning 37m @ 0.30g/t Au (from 17m), and 53m @ 0.33g/t Au (from 147m), including 3m @ 1.29g/t Au (Figure 4)
- Like Coupon, structural model identified to be analogous to high grade gold mineralisation in the central Victorian Goldfields

<sup>1</sup>AUH ASX announcement 4 Feb 2025 <sup>2</sup>AUH ASX announcement 7 May 2025

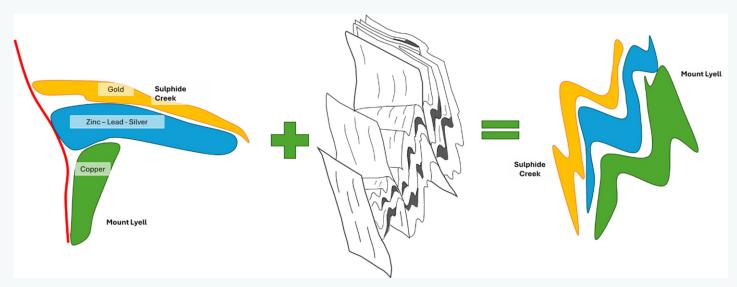
#### RINADEENA ANTIMONY PROSPECT<sup>1</sup>



- Only historic antimony occurrence recorded by Geological Survey of Tasmania that is accessible. Ore samples collected and stored by the Geological Survey of Tasmania.
- Antimony price currently at historic highs following China's recent export ban on some antimony products.
- Antimony is on the critical mineral lists of many countries including; Australia, the USA, Canada, Japan and the EU due to its defence and military applications.
- Reported from workings<sup>2,3,4,5</sup> (1906-1907) of **very high grade ranging from 50 to 70% Sb** in stibnite (and **5 to 9 g/t Au**) in lode-hosted 6m width structure along slate and quartzite contact.
- Tasmanian Geological Survey reports<sup>6</sup> assays taken from Mines Inspector reported to contain up to **66.57% Sb and 1.05% Pb**.
- The Rinadeena Formation is lithologically, structurally and stratigraphically equivalent to the host rocks of the million-ounce Beaconsfield deposit in Victoria.
- Records suggest 41m horizontal adit, from a 4m vertical shaft (no production records available).
- Prospect has had no modern exploration discovery potential exists with modern exploration techniques.

<sup>1</sup>AUH ASX announcement 4 Feb 2025 <sup>2</sup> Wednesday 22nd August 1906, Zeehan and Dundas Herald; <sup>3</sup> Monday 7th January 1907, Zeehan and Dundas Herald; <sup>4</sup> Saturday 16 February 1907, Zeehan and Dundas Herald; <sup>5</sup> Thursday 28th February 1907, Zeehan and Dundas Herald; <sup>6</sup> Nye, P.B. Supplementary Report on Antimony Minerals in Tasmania, Geological Survey of Tasmania, 1941

### **SULPHIDE CREEK Exploration Model**<sup>1</sup>



VMS mineralisation

Folding

New Deposit setting

Exploration mineralisation model for the Sulphide Creek Gold deposit view North

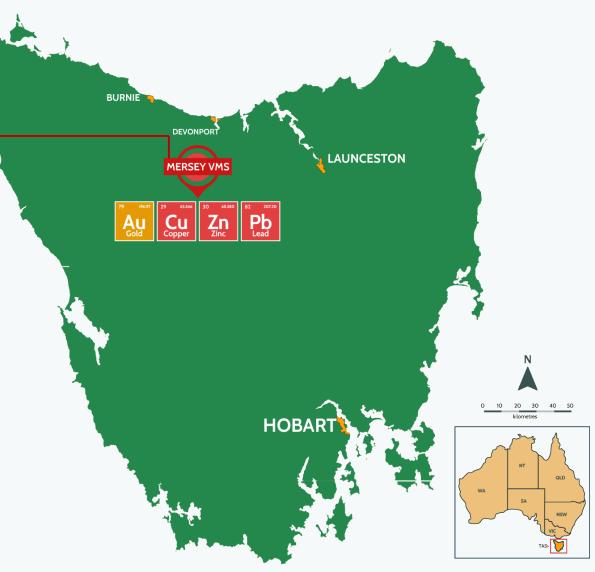


- The Sulphide Creek has the potential for the discovery of a significant orebody in the shadow of the headframe at the Mount Lyell Copper Deposit in Queenstown, which hosts historic total resources of 312Mt @ 1%Cu, 0.3 g/t Au.
- New structure studies of West Coast Tasmania deposits highlight folding having a major role in upgrading and focusing of mineralisation. This work postdates the Historic exploration undertaken at the Sulphide Creek Project and therefore presents significant opportunity
- While the VMS deposits serve as a source of base metals and gold, it is the subsequent folding / faulting which results in the important focus and siting of mineralisation at present.
- During the recent field reconnaissance and compilation of historic structural mapping at Sulphide Creek area, a structural fabric was identified, linked to gold mineralisation
- AUH target is to intersect high grade shoots of Au in upcoming drilling

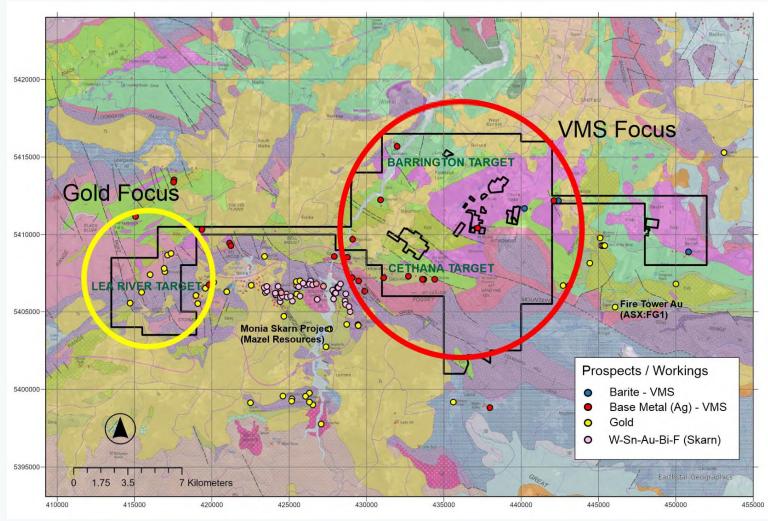
#### MERSEY VMS PROJECT<sup>1</sup>



- Mersey Base Metals-Gold Project (Application EL6/2021) covers an area of 200km<sup>2</sup> in the historical, world class mining area of NW Tasmania.
- VMS mineralisation model similar to nearby Hellyer Mine 16.9Mt @ 13.8% Zn (NQ Minerals) and Rosebery Mine 54Mt @ 11.2% Zn (MMG) deposits within the Mt Read Volcanics.
- 35km along strike from the Hellyer Mine area displays similar geological settings to both Hellyer and Rosebery districts.
- Mineralisation Styles occur as:
  - Shear hosted, steeply dipping stacked Zn-Pb-rich ore lenses
  - Distal Cu and Au ore zones adjacent Zn-Pb-rich ore lenses
- Previous exploration identified VMS mineralisation present, with much of the work completed in the 1970's and 1980's (including drilling).
- New insights and understandings into VMS systems and their controls have created new opportunities for exploration in Tasmania.
- Multiple target areas; Cathena, Lake Barrington/Staverton and Lea River Gold prospect.



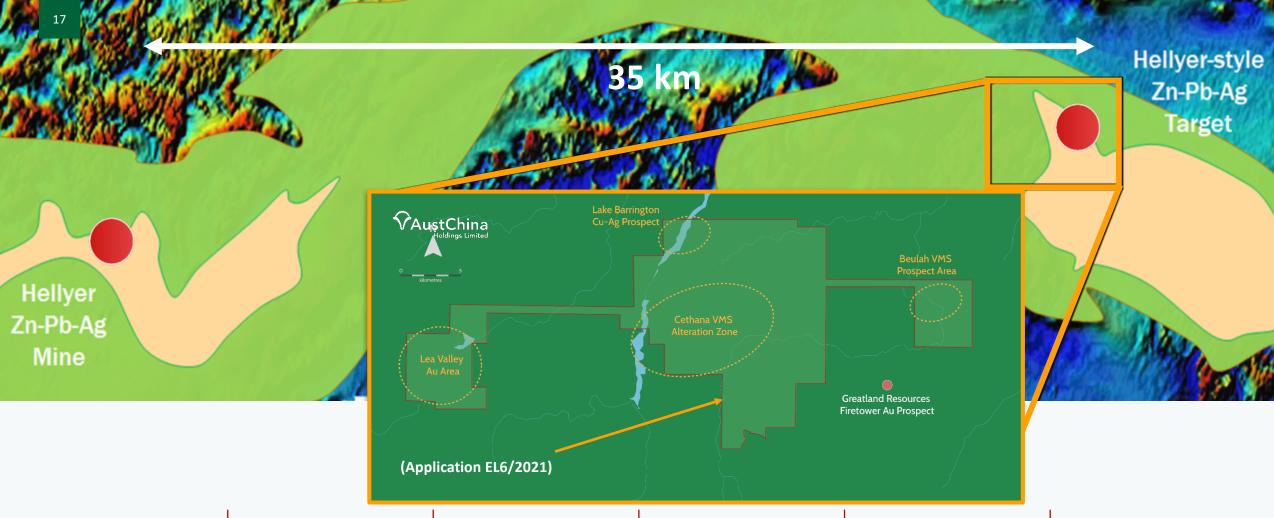
#### **MERSEY VMS PROJECT**



Co ords GDA 94 MGA Zone 55

- Key Target Base Meta and Gold Target Areas -
  - Cethana<sup>1</sup> Multiple base metal prospects over a 8km-long, sericite-chlorite-pyrite alteration zone (Cethana Alteration Zone) hosted within felsic volcaniclastics and lavas, containing Pb-Zn mineralisation. Old workings containing Ag-Pb-Zn-Cu stockworks at Mt Roland and Atkinsons Prospects Lead isotopes taken from sulphide samples at Mt Roland and Gowrie Prospects indicate similar results to Rosebery VMS Mine
  - Barrington¹- Cu-Ag-Pb-Zn mineralisation as disseminations and a thin massive sulphide bands hosted in sericite quartz-carbonate-pyrite altered tuffaceous siltstone and sandstone.
  - Lea River historic gold workings with limited modern exploration
- MRT records show exploration by CRAE, Plutonic Operations, RGC Exploration, Aberfoyle, Newcrest and Pasminco Exploration<sup>2</sup>. Work including geophysics, surface geochemistry and drilling. Data currently being captured and validated into AUH database, including recorded VMS sulphides and alteration)

<sup>&</sup>lt;sup>1</sup>A review and interpretation of the Lower Palaeozoic geology of the Que River—Sheffield area, with reference to the Cambrian volcanic sequences by K. D. Corbett and M. P. McClenaghan, Tasmanian Geological Survey Record 2003/17; <sup>2</sup>AUH ASX announcement 4 Feb 2025



New Geophysics has highlighted a significant VMS style target in the project area. Mount Read Volcanics – host to the Hellyer and Rosebery VMS deposits, are located near project area. Mersey Project adjoins
Greatland Gold's (AIM: GGP)
Firepower Au-Cu Project,
sharing similar geology and
hosting significant gold
intersections.

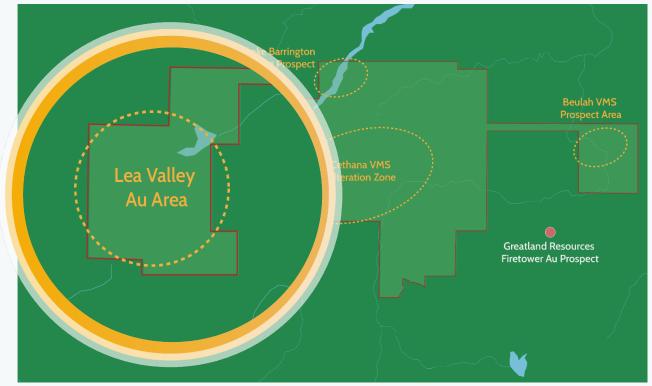
Magnetic 1VD imagery reveals a distinct magnetic zone, likely indicating a significant disseminated pyrite stringer zone in the footwall of the main mineralisation, supported by historic exploration data.

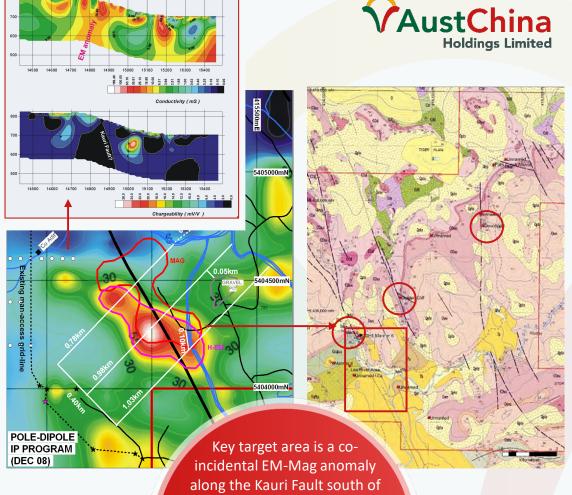
Planned exploration to include extensive soil and rock chip litho-geochemistry programs to vector mineralisation for drill hole targeting.

Also planned to complete modern airborne EM over the entire Project area, designed to target massive sulphide.



### LEA RIVER GOLD<sup>1</sup>





- **Potential orogenic gold target**; Lea River Gold area contains several old workings, with pyritequartz vein within shear zones contained in Ordovician sediments, along major NE structures.
- This included Blacks, Devonport and Gold Cliffs Prospects, with **grades of 8 to 32 g/t Au**<sup>1</sup> identified in historic government production records.

<sup>1</sup>AUH ASX announcement 4 Feb 2025 <sup>2</sup>Bass Metals Limited ASX announcement 30 January 2009 incidental EM-Mag anomaly along the Kauri Fault south of the Blacks workings. IP line by Bass Metals (2009)<sup>2</sup> also identified conductivity anomaly, interpreted to be potentially associated with pyrite associated with gold.

This was not followed up with drilling

#### **NEXT STEPS**

#### Acquisition completed – value accretive field work to commence



#### **Sulphide Creek Project**

- Data compilation of historic production and exploration reports, geology, geochemistry and geophysics.
- LIDAR (Light Detection and Ranging) survey to map historic workings and key structures over main Harvey Creek Fault system at Sulphide Creek
- Litho-structural interpretation to help define target areas
- On-ground exploration to refine initial drill targets drilling currently planned for within six months of acquisition completion.

#### **Mersey Project**

- Grant of exploration license
- Soil sampling and rock chip geochemistry sampling programs to vector mineralisation for drill targeting – focusing on gold prospective areas in western region of the Project
- LIDAR survey
- Detailed airborne electro-magnetic (EM) survey over entire Project area to assist in identifying massive sulphide targets.



## **Contact us**

**Andrew Fogg** 

**Chief Executive Officer** 

**%** +61 7 3229 6606

info@austchinaholdings.com

**James Moses** 

**Investor & Media Relations** 

+61 420 991 574

james@mandatecorporate.com.au

