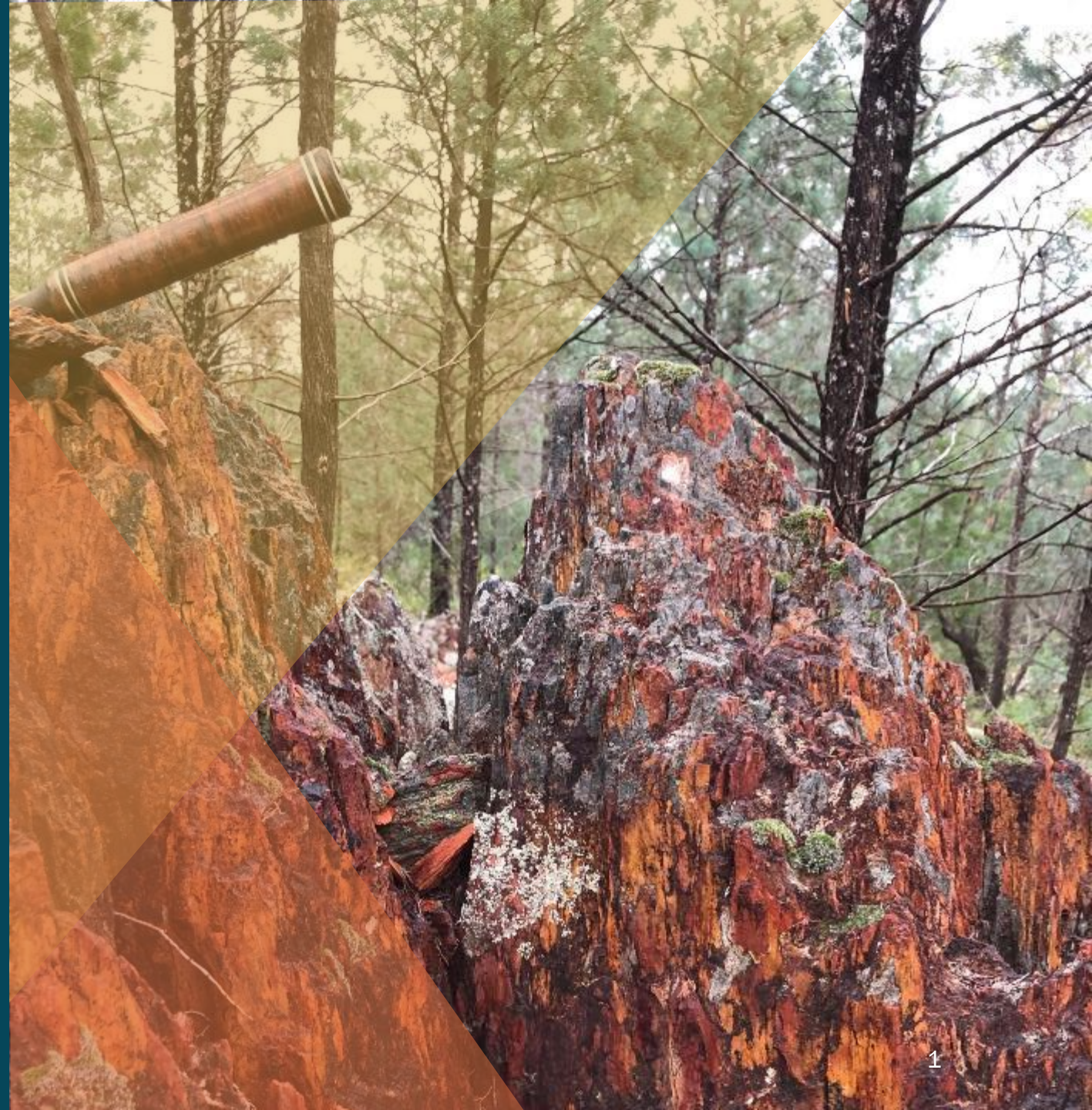


# Exploration Update

Taking a Belt Scale Approach to  
Mineral Discovery

ASX : AGC

21 June 2023



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## COMPETENT PERSONS STATEMENT

The information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Glen Diemar who is a member of the Australian Institute of Geoscientists. Mr Diemar is a full-time employee of Australian Gold and Copper Limited, and has associated shareholdings in, Australian Gold and Copper Limited, however Mr Diemar believes these shareholdings do not create a conflict of interest, and Mr Diemar 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 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Diemar consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

The references to any historical exploration results are disclosed in the prospectus, the references and in the Geological Survey of NSW, DIGS file database, and are not pursuant to the JORC 2012 Edition. Mr Diemar confirms that any historical exploration results set out in this document are an accurate representation of the available data and studies for the project owned by Australian Gold and Copper Limited.

## FORWARD LOOKING STATEMENTS

This release contains certain forward-looking statements and forecasts, including possible or assumed reserves and resources, production levels and rates, costs, prices, future performance or potential growth of Australian Gold and Copper Limited, industry growth or other trend projections. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “except”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production and expected costs. Indications of, and guidance on future earnings, cash flows, costs, financial position and performance are also forward-looking statements.

Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change, without notice, as are statements about market and industry trends, which are based on interpretation of current market conditions. Forward looking statements are provided as a general guide only. Such statements are not a guarantee of future performance and involve unknown risks and uncertainties, as well as other factors which are beyond the control of Australian Gold and Copper Ltd. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors. Nothing in this report should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities.

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The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases and the form and context of the announcement has 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 prospectus and the relevant ASX releases.

For further details, refer to the AGC IPO Prospectus and ASX Announcements (ASX:AGC) which are available on the Company website [www.austgoldcopper.com.au](http://www.austgoldcopper.com.au)

The information contained within this Presentation is extracted from the following reports titled:

- ASX AGC Release ‘Planet IP Survey Highlights Fourth and Fifth Drill Targets’ 20 June 2023
- ASX AGC Release ‘Hilltop returns strong gold in rock chips’ 16 June 2023
- ASX AGC Release ‘Bongongalong – An Emerging 5km Gold Silver Base Metal Trend’ 30 May 2023,
- ASX AGC Release ‘Hilltop IP Survey defines third compelling drill target’ 22 May 2023
- ASX AGC Release ‘Grandview delivers strong shallow gold results’ 10 October 2022
- ASX AGC Release ‘Carlisle Reefs results extend gold mineralisation’ 26 May 2022
- ASX AGC Release ‘Boxdale-Carlisle Gold Trend above Large Ultramafic intrusive’ 27 April 2022
- ASX AGC Release ‘Near surface gold intersected along Boxdale-Carlisle trend’ 2 March 2022
- ASX AGC Release ‘Exploration Update’ 15 Sept 2021
- ASX AGC Release ‘Base-Metal Sulphides overlying EM Conductor at Achilles’ 3 May 2021
- ASX AGC Initial Public Offering Prospectus 18th November 2020

which are available to view on [www.austgoldcopper.com.au](http://www.austgoldcopper.com.au) The Company confirms that it is not aware of any new information or data that materially affects the information included in the original document/announcement and the Company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement.

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This presentation has been approved for release by Glen Diemar, Managing Director of Australian Gold and Copper Ltd.

# Introduction & Overview



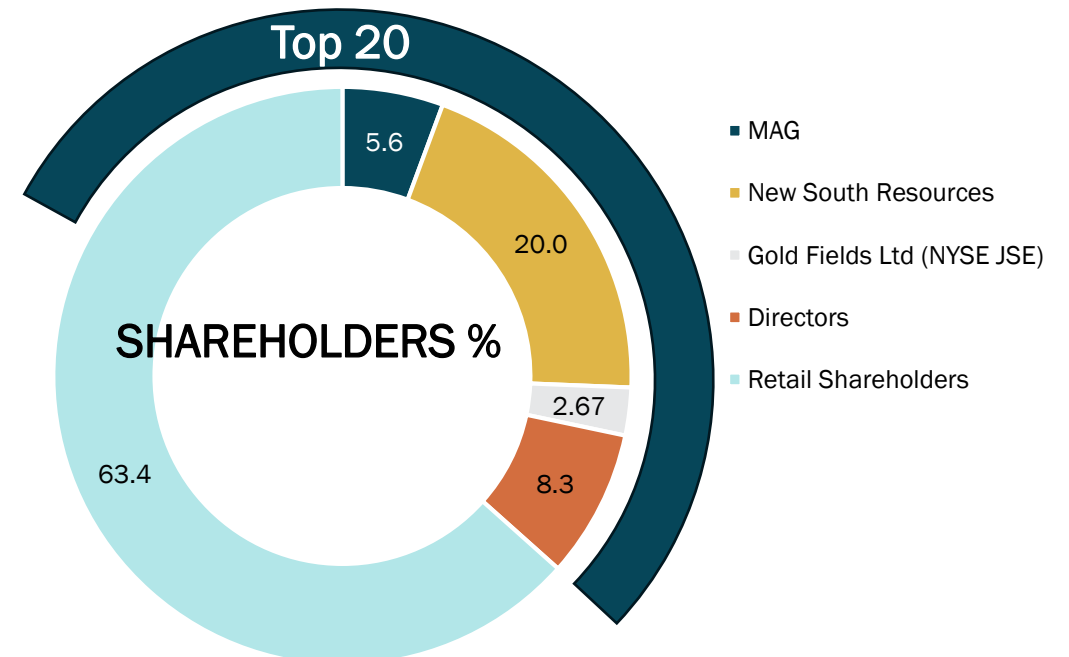
## Why AGC? Key Reasons

1. AGC holds three quality Gold and Copper Projects, Lachlan Fold Belt NSW, home to World Class Mines and Miners
2. South Cobar Gold - Copper Project boasts 120km strike length with results indicative of recent nearby discoveries: Federation (AMI:ASX), Constellation (ASX:AIS), Mallee Bull (ASX:PEX)
3. Established Cobar mining district with skilled local population and amenities. Shortest lead times in mine permitting in NSW



## CAPITAL STRUCTURE

Date	20th June 2023
Cash (at 31 March 2023)	\$2.3m
Shares on Issue	100m
Market Capitalisation	\$5.5m
Options	23m Options (\$0.11 & 0.30 strike price)



# AGC Team & Strategic Alliance



Australian Gold and Copper



Strategic Alliance with  
Magmatic Resources



**DAVID RICHARDSON**  
Chairman

Extensive international corporate experience including 15 years in Japan in Asia Pacific regional director positions with Pacific Dunlop Ltd and Amcor Ltd, expertise includes venture capital and finance. Founded Magmatic Resources in 2014, listing on the ASX in 2017 and is Executive Chairman. David holds an MBA from the University of Southern California (USC), LA.



**GLEN DIEMAR**  
Managing Director

Early-stage discoveries focused Geologist in NSW mineral systems. Previous roles including BHP Billiton, Indonesia, Kyrgyzstan, and most recently was CEO of successful private explorer, New South Resources PL and was responsible for identifying and developing the projects vended into AGC Ltd. He holds a Masters of Economic Geology and is a member of the AIG and AICD.



**ADAM MCKINNON**  
Non-Executive Director

Adam is an experienced mining and geoscience professional with a proven track record in the Cobar Basin of NSW as Ex-General Manager – Exploration and Business Development at Aurelia Metals Ltd, where he was involved in several significant discoveries inc. the high-grade Federation deposit. With KBL Mining, Adam led the exploration of the discovery of the Pearse Au-Ag deposit near the Mineral Hill Mine. Adam is currently MD of Magmatic Resources and holds a Dr of Philosophy in mineralogy and geochemistry, is a Chartered Chemist and a member of the AusIMM.



**ANDREA BETTI**  
CFO & Co. Sec.

Accounting, corporate governance and banking professional with over 20 years' experience, acting as CFO, Company Sec and in senior exec roles in banking and finance. Ms. Betti is a member of the Institute of Chartered Accountants in Aust. and NZ and an associate member of the Governance Institute of Aust. Ms Betti is a B Commerce, Grad. Dip. Corporate Governance, Grad. Dip. Applied Finance and Investment and a Masters of Business Administration.



## TO SHARE PREMISES, RESOURCES, AND TEAMS

Strategic Alliance Bringing Together World Class Explorers for the Benefit of AGC Shareholders

### Magmatic Resources Technical Team

- Myall Porphyry Cu Au Discovery Narromine NSW
- High Grade Federation Au Zn Pb Ag Cu Discovery, Cobar NSW
- Mineral Hill Pearse Gold Lode Discovery, Cobar NSW
- Peak Mines discoveries, Chronos, Cobar NSW
- Ex-Exploration Manager, Gold Fields, St Ives Gold Mine, WA
- PhD on Structural History of the Cobar Region



## LIMITING CORPORATE OVERHEADS

- Joint Corporate Office
- Joint Exploration Office
- Allowing more Shareholder Funds Spent in the Ground



# Focused on growing the Community of Lake Cargelligo

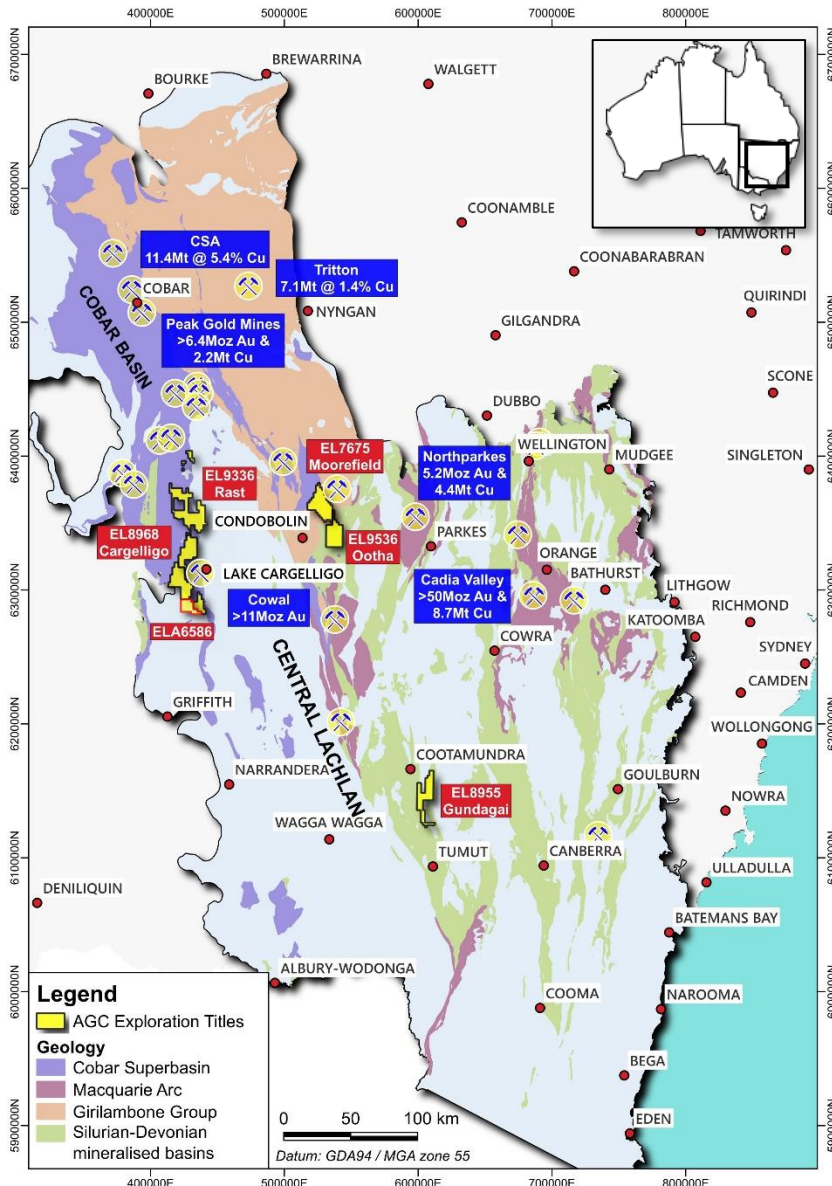


## A Thriving Community of Central NSW

- Centrally located to South Cobar Project
- Population 1,500
- Young energetic skilled work force
- Established mining workforce, workers DIDO to Cowal Gold Operation, Cobar Mines: CSA, Hera, Peak
- Excellent infrastructure surrounding Project, Power, Gas, Water, hospital
- Cropping and grazing
- Strong sporting district



# Portfolio Summary



## THREE DRILL-READY COPPER GOLD PROJECTS

Covering ~1,835km<sup>2</sup> of the Central Lachlan

Moorefield Project: 481km<sup>2</sup> Orogenic Au ,VMS polymetallic

Gundagai Project: 265 km<sup>2</sup> late Silurian Au

Cargelligo Project: 1,090km<sup>2</sup> Cobar-style VMS Cu-polymetallic

### SOUTH COBAR PROJECT

Cobar Hera Mine style Au-Cu and polymetallic targets

- 120km long tenement package
- 80km long “Fertile” horizon identified
- 5 new drill targets defined
- World Class district
- 5m @ 4.9% Pb+Zn, 0.3% Cu, 4g/t Ag from 89m<sup>2</sup>
- Inc 1m @ 10.6% Pb+Zn, 1.4% Cu, 12g/t Ag from 89m<sup>2</sup>
- 85m at 0.13% Cu<sup>3</sup>

### MOOREFIELD-OOTHA PROJECT

Gold, Copper and Cobar style polymetallic targets

- 15km long gold-pathfinder anomalous trend
- Over 100 historic mine workings
- 36m @ 1.21 g/t<sup>1</sup>
- 30m @ 1.6 g/t<sup>1</sup>
- inc 11m at 2.68 g/t<sup>1</sup>
- 5m at 4.16g/t Au from 24m<sup>4</sup>
- Significant drill intersections and +1,000g/t in rockchips
- Extensive Gold System Confirmed

### GUNDAGAI PROJECT

Orogenic gold targets McPhillamys style Au

- Strong surface geochem 1.5km
- Historic mining district
- composite rockchips to 35g/t gold<sup>1</sup>
- McPhillamys signature recognised
- Extensive Gold System Confirmed

<sup>1</sup> Refer ASX AGC IPO Prospectus 18th November 2020 p79

<sup>2</sup> Refer ASX AGC Release 3rd May 2021

<sup>3</sup> Refer ASX AGC Release 15<sup>th</sup> Sept 2021

<sup>4</sup> Refer ASX AGC Release 2<sup>nd</sup> March 2022

# Southern Cobar Project

Strong discovery potential, Five New Drill Targets



## FIVE NEW DRILL TARGETS

The Cobar Basin Belt has 3 districts:

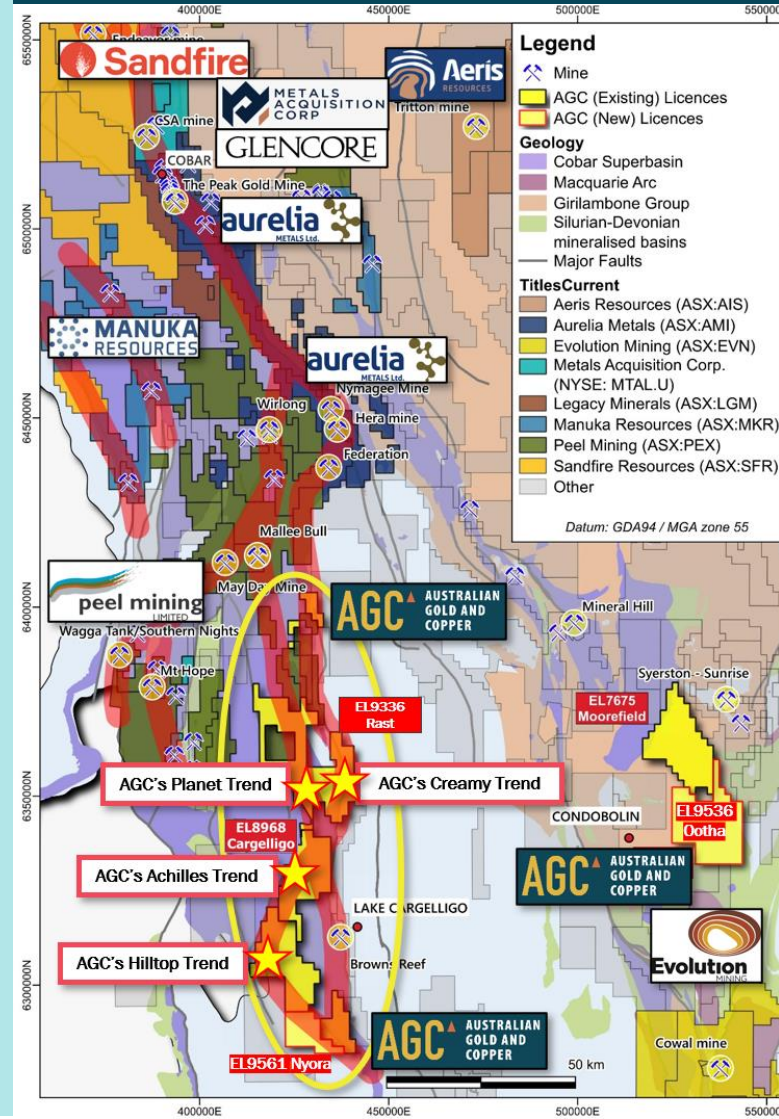
1. Mature mines in the North, dating back to 1870
2. Recent discoveries in the central and west, AMI Federation, PEX Mallee Bull, Wirlong, Wagga Tank – Southern Nights
3. Now in the southern section, AGC's geophysics & geochemistry programs have resulted in:

### AGC's Five New exceptional Drill Targets

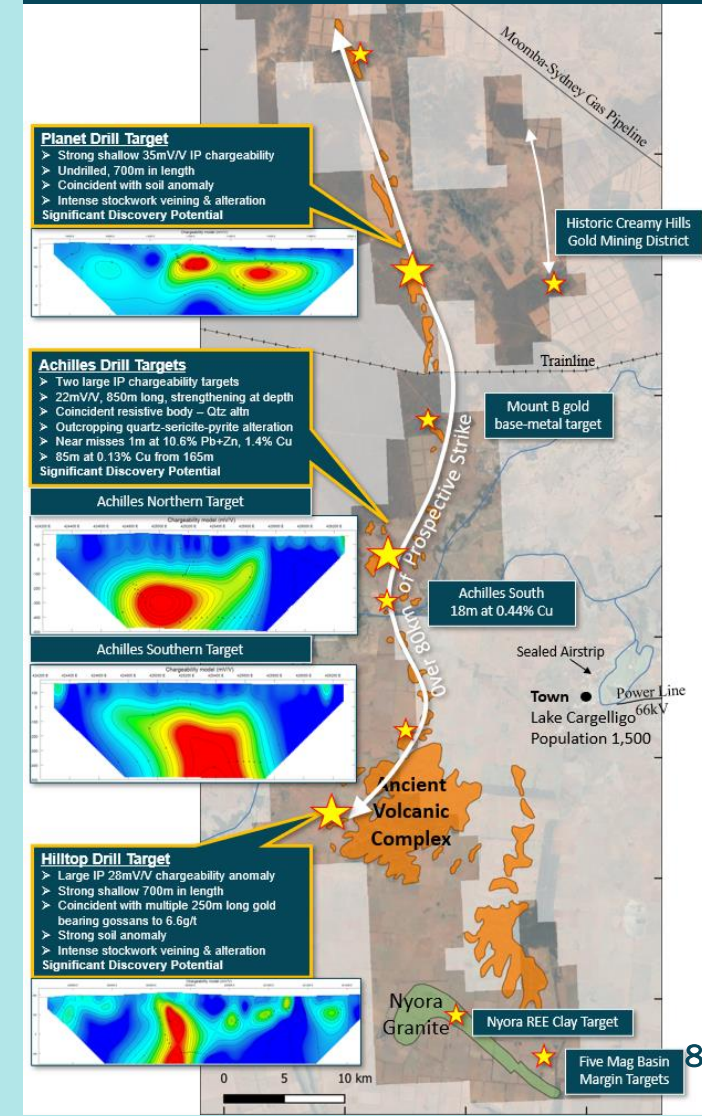
1. Hilltop
2. Achilles North
3. Achilles South
4. Planet West
5. Planet East



## Cobar Basin – NSW's Thriving Mining District



## AGC South Cobar Project

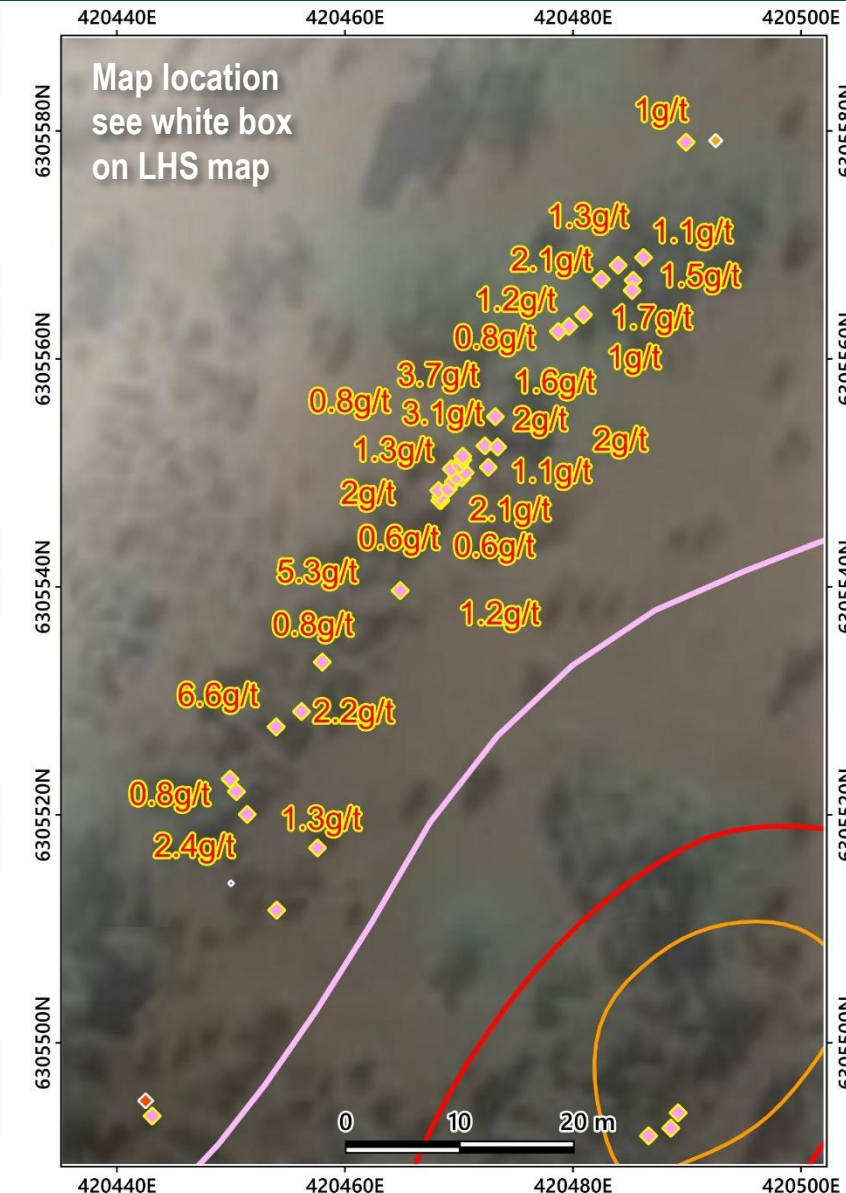
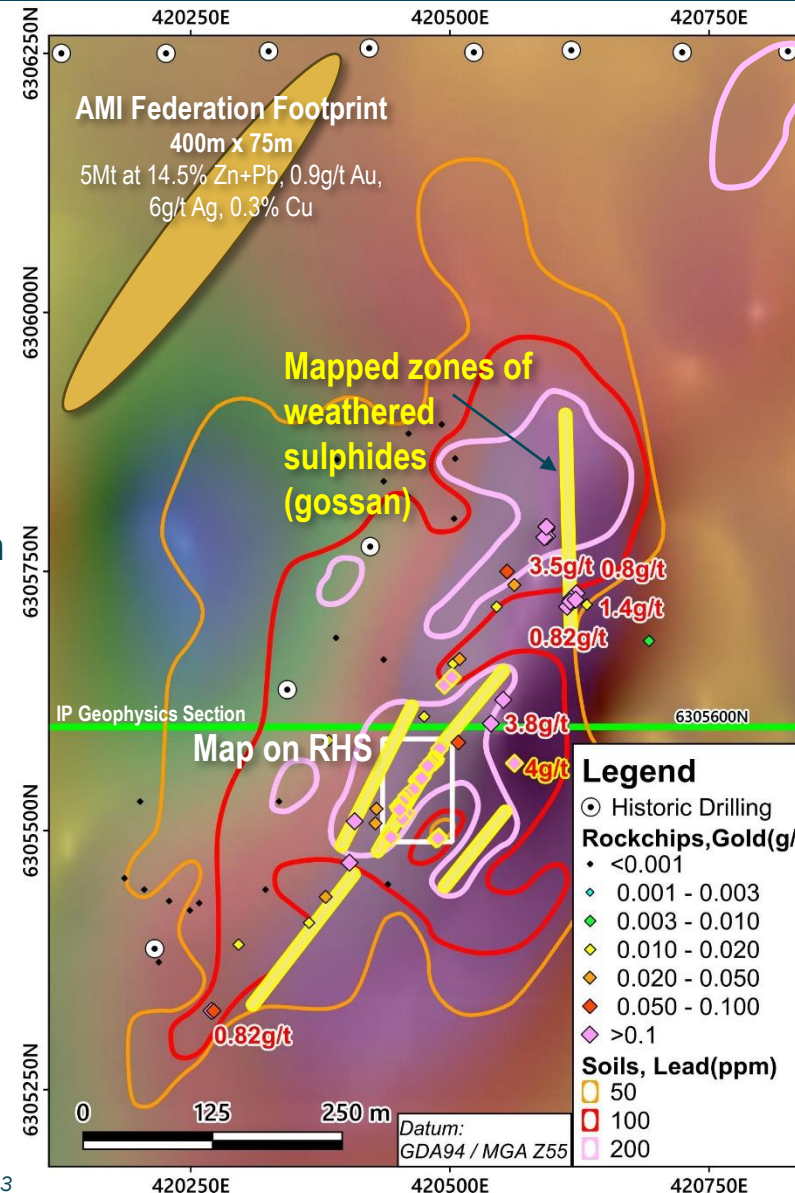


# Drill Target 1: Hilltop – Near Term Discovery Potential



## HILLTOP TARGET

- Located 20km west of Lake Cargelligo
- Large IP 28mV/V chargeability anomaly<sup>1</sup>
- Strong shallow 700m in length
- Coincident with
  - multiple 250m long gold bearing gossans to 6.6g/t<sup>2</sup>
  - Strong soil anomaly
  - Intense stockwork veining & alteration
- Never drill tested
- Significant Discovery Potential



<sup>1</sup>Refer ASX AGC Hilltop IP Release 22 May 2023, <sup>2</sup> ASX AGC Hilltop IP Release 16 June 2023

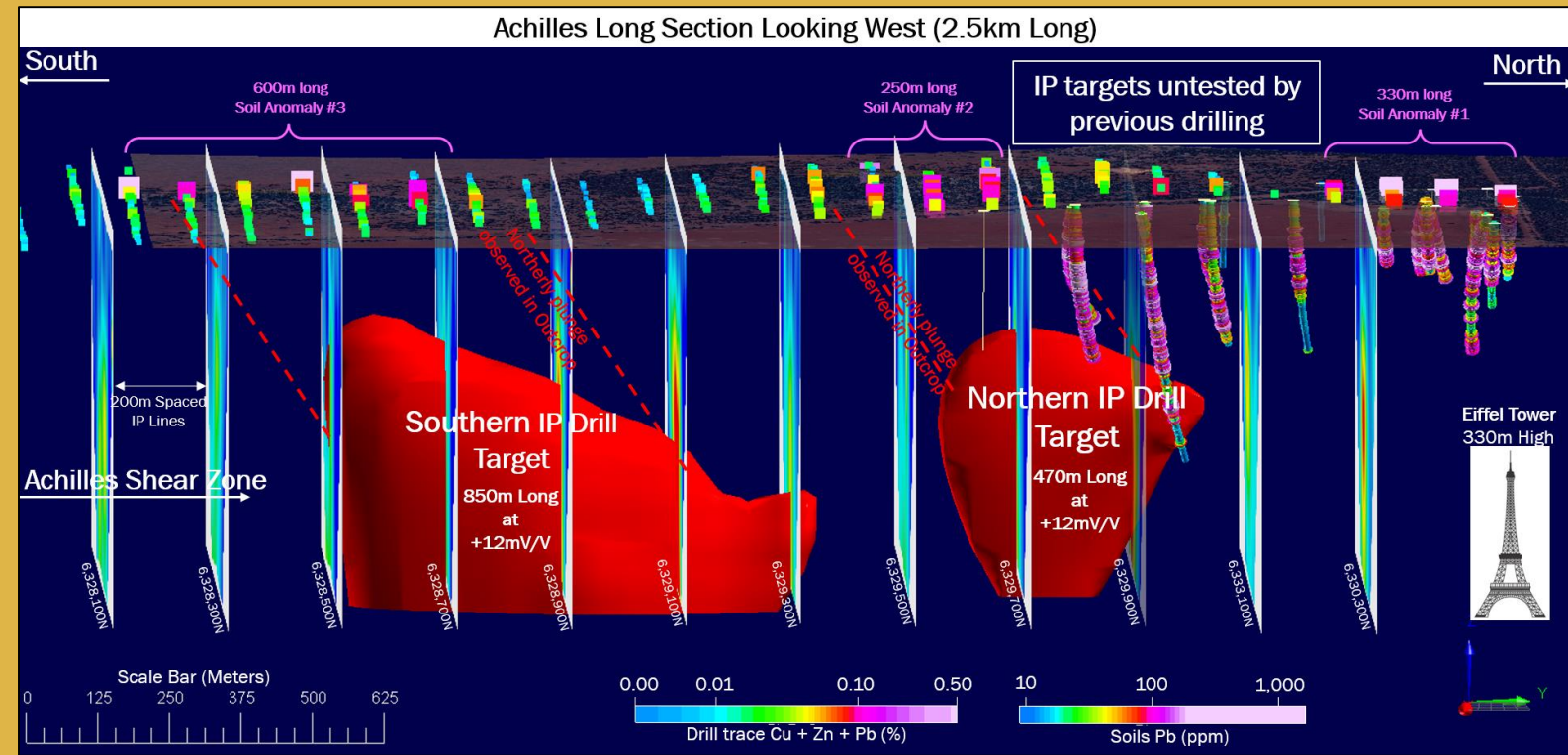
# Drill Target 2 & 3: Achilles

## ACHILLES TARGET

- Located 20km Northwest of Lake Cargelligo
- Drilling resulted in mineralised Cu Pb Zn<sup>1</sup>
  - 5m @ 4.9% Pb+Zn, 0.3% Cu 4g/t Ag from 89m (A3RC0004)<sup>2</sup>
  - inc 1m @ 10.6% Pb+Zn, 1.4% Cu, 12g/t Ag from 89m<sup>2</sup>
  - 85m at 0.13% Cu (A3RC014)<sup>3</sup>
- Hera Au base-metal Mine was discovered by lead geochem and then drilling EM conductors<sup>2</sup>
- Two large IP chargeability targets
- 22mV/V, 850m long, strengthening at depth
- Coincident resistive body - Qtz altn
- Outcropping quartz-sericite-pyrite alteration
- Significant Discovery Potential



AGC ASX 6 October 2021



AGC ASX 5 May 2023, Achilles IP produces stellar drill targets

<sup>1</sup>Refer ASX AGC Release 'Base-Metal Sulphides overlying EM Conductor at Achilles' dated 3<sup>rd</sup> May 2021

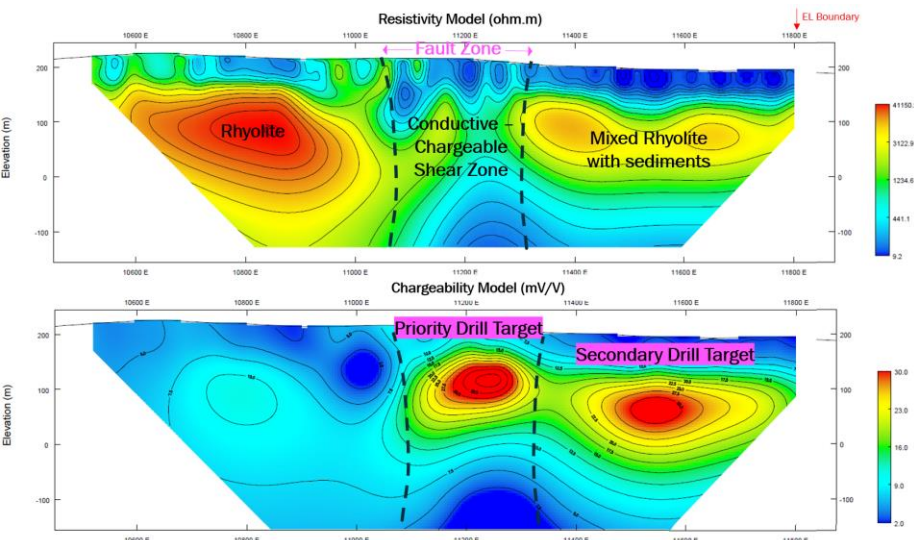
<sup>2</sup>Refer ASX AGC IPO Prospectus 18th November 2020, p100-117

<sup>3</sup>Refer ASX AGC Release 'Exploration Update' dated 15<sup>th</sup> Sept 2021

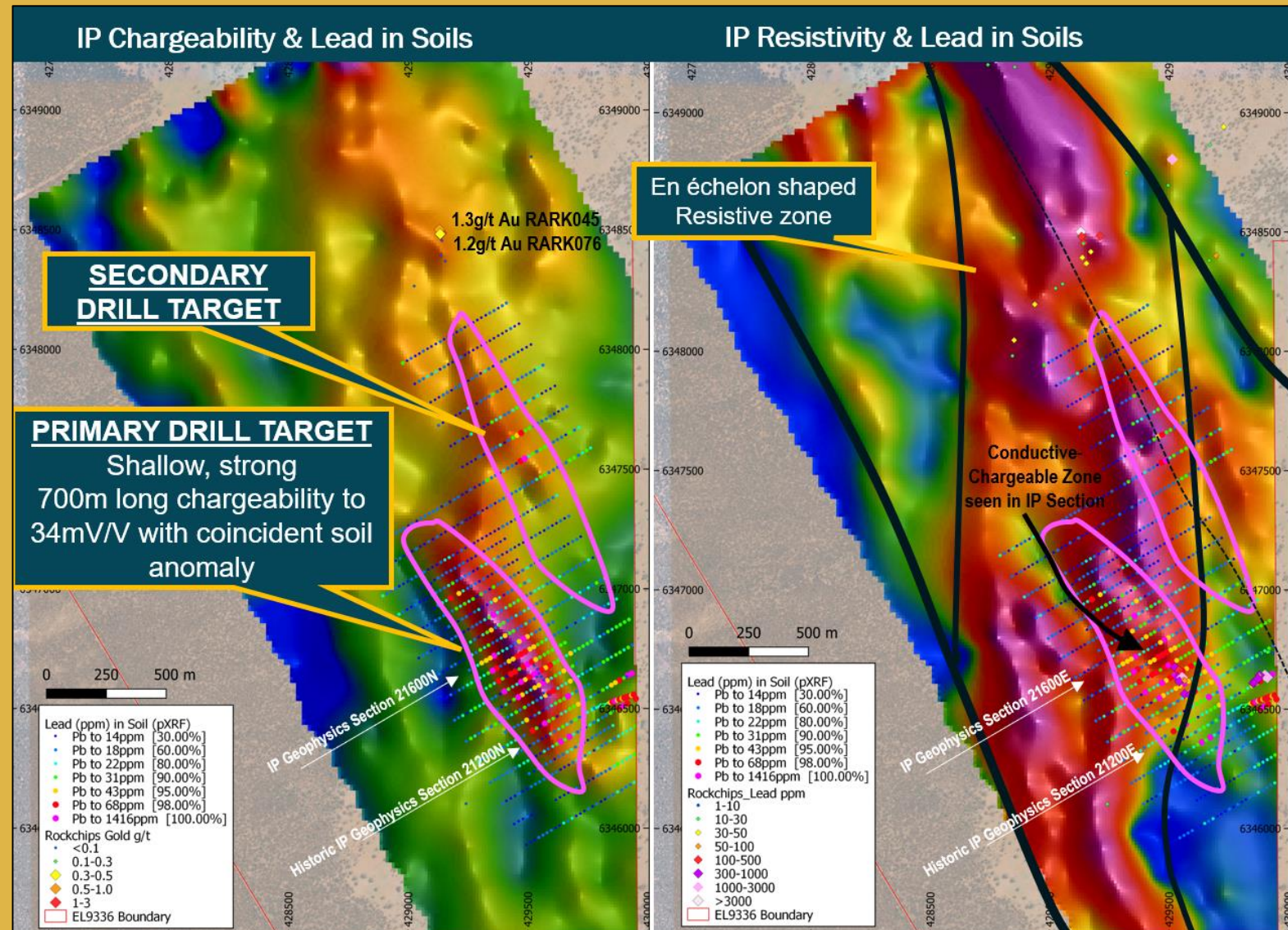
# Drill Targets 4 & 5: Planet

## PLANET TARGET

- Located 40km North of Lake Cargelligo
- Large IP 35mV/V chargeability anomaly
- Strong shallow IP chargeability's to 35mV/V
- Undrilled, 700m in length
- Coincident with soil & rock anomaly
- Intense stockwork veining & alteration
- Significant Discovery Potential



Refer ASX AGC Planet IP Release 20 June 2023



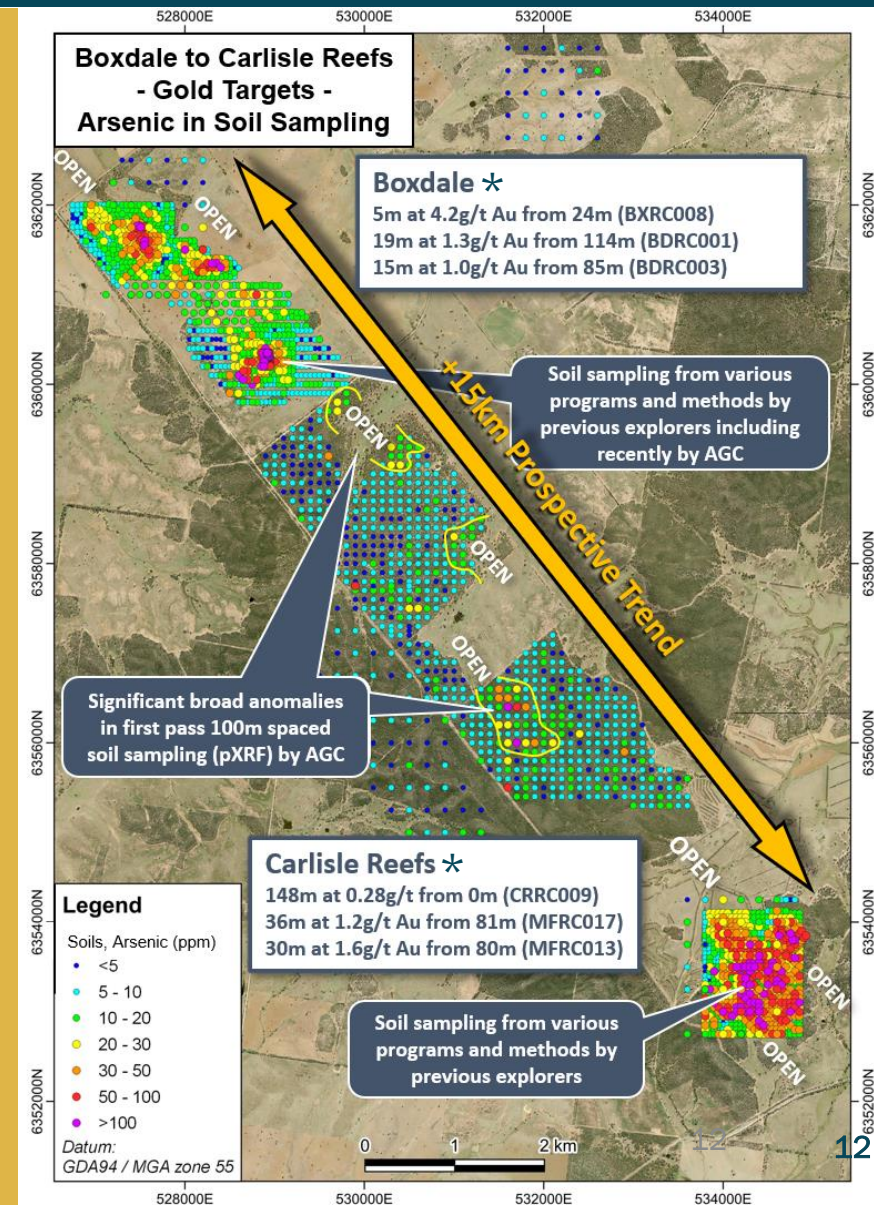
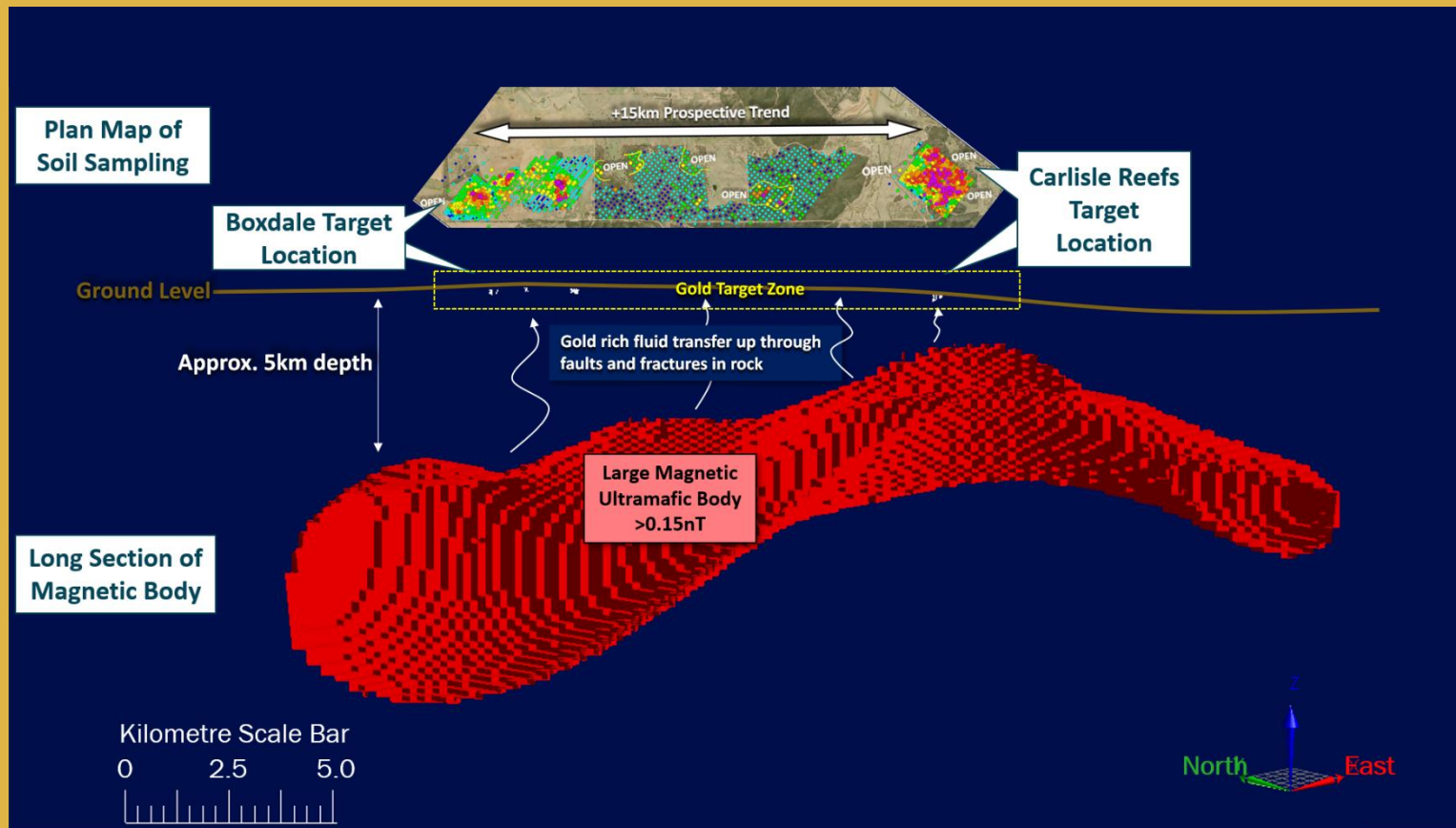
# Moorefield Project

Boxdale to Carlisle Reef Target, Significant Gold Potential



## BOXDALE - CARLISLE REEFS GOLD TARGET

- Major ~15km long gold trend, over 100 historic workings
- Strong gold-arsenic correlation for soil sampling
- Exploring for large “Orogenic-structurally hosted” deposits
- *5,000m drilled with significant near surface gold reported*



# Gundagai Project: Extensive Gold System

## GRANDVIEW GOLD TREND

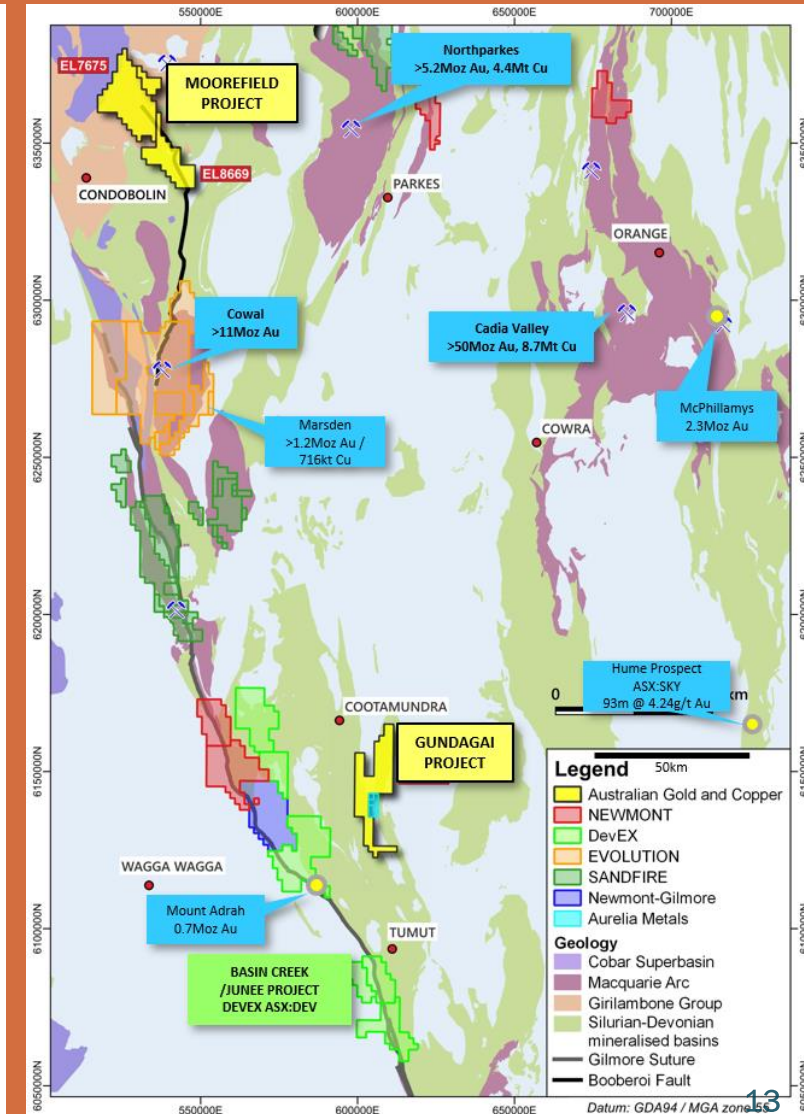
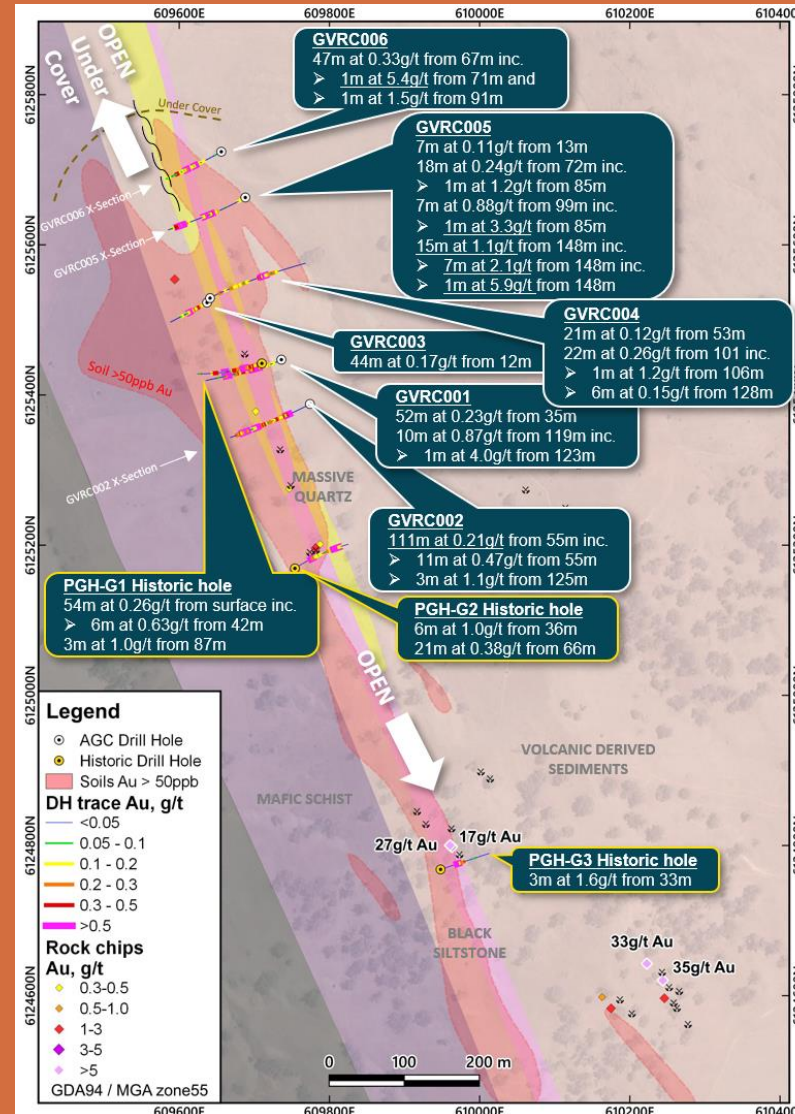
- Exploring for McPhillamys 2.2Moz style pathfinders Au ± As-Bi-Te-Cu-Mo-Ba
- AGC's maiden drilling confirms extensive gold system<sup>2</sup>
- Strong shallow gold results<sup>2</sup>
- Extensive historic mines, outcropping rocks, large high tenor soil anomaly
- Rock chips 35g/t, 33g/t, 26g/t, 17g/t<sup>1</sup>

## Recent Drilling Results<sup>2</sup>

- 7m at 2.1g/t Au from 148m
  - inc 1m at 5.9g/t Au from 148m
- 111m at 0.21g/t from 55m
  - and 1m at 2.0g/t Au from 127m
- Open in all Directions
- Historic Rockchips: 5.8m at 2g/t Au, 2.7m at 6.44g/t Au, 1.9m at 1.67g/t Au, 30m at 0.2g/t Au (in adit)<sup>1</sup>

<sup>1</sup> Refer ASX AGC IPO Prospectus 18th November 2020 p79

<sup>2</sup> Refer ASX AGC Release 10° October 2022





## JURISDICTION

World class gold  
copper terrain

## TEAM

Strategic alliance and  
track record of success

## PORTFOLIO OF ADVANCED EXPLORATION PROJECTS

Capable of hosting multi-million Oz  
discoveries

## WELL FUNDED FOR DISCOVERY

Strong drilling focus