

✦ **Golden Cross Resources Ltd**

**ASX: GCR**  
**AGM PRESENTATION**

**20 November 2024**

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## Disclaimer

*Certain statements contained in this presentation, including information as to the future financial or operating performance of Golden Cross Resources Ltd and its projects, are forward-looking statements. When used in this presentation, the words such as “could”, “plan”, “estimate”, “expect”, “intend”, “may”, “potential”, “should” and similar expressions are forward-looking statements. Such forward looking statements:*

- are necessarily based upon a number of assumptions and estimates that, while considered reasonable by Golden Cross Resources Ltd , are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies;*
- 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; and*
- may include, among other things, statements regarding targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and resources, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.*

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*All forward-looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to rely on forward-looking statements due to the inherent uncertainty therein.*

*The information in this presentation that relates to exploration results is based on information compiled by Mr Bret Ferris, who is a Member of the Australasian Institute of Geoscientists (AIG). Mr Ferris is an exploration consultant to Golden Cross Resources Ltd and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity 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 Ferris consents to the inclusion in this presentation of the matters based on that 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 included in the original ASX announcements referred to in this presentation, and in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant ASX announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements.*

# ✦ Main Exploration Projects

## COPPER HILL (NSW)

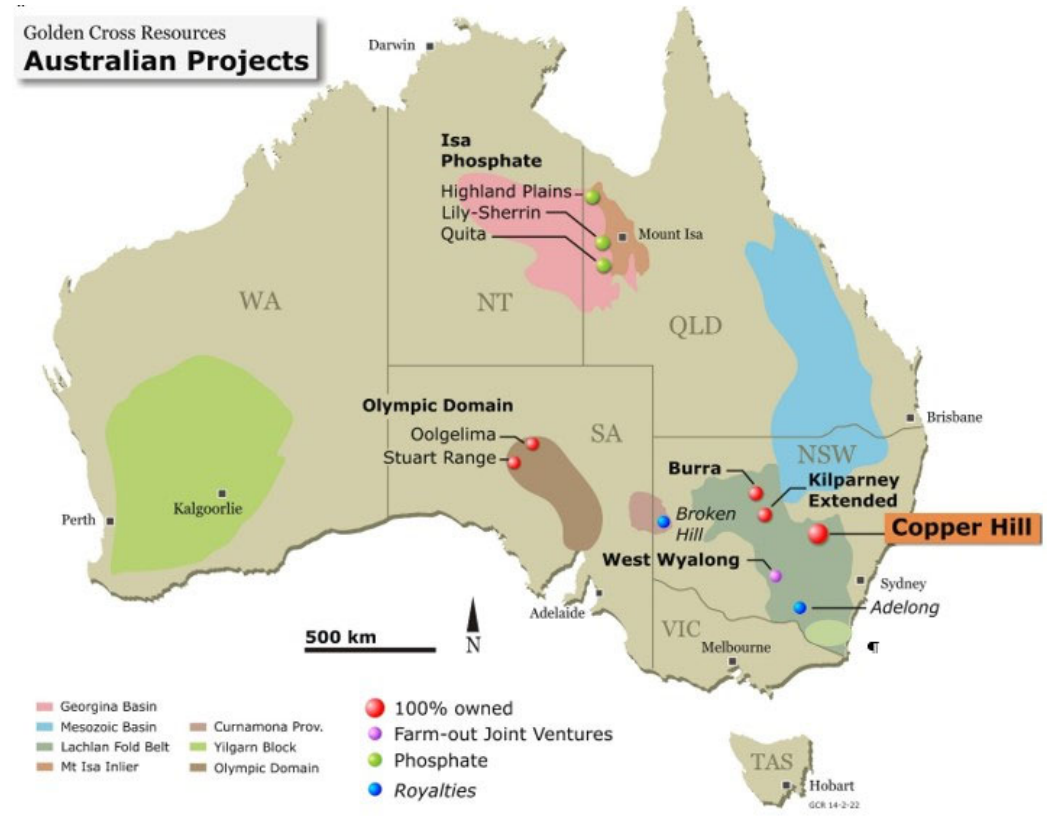
- Macquarie Arc volcanic belt/Lachlan Fold Belt
- Ordovician Porphyry Cu / Au
  - *Cadia, Nth Parkes styles*

## BURRA (NSW)

- Cobar Basin Cu / Zn / Pb / Au

## ISA PHOSPHATE (QLD)

- Phosphate / Uranium / REE



# ✦ Flagship Project : 100% owned Copper Hill

Porphyry-copper-gold

within Macquarie Arc volcanic belt in the Lachlan Fold Belt region

Well established mineral province for Gold and Copper

- 50 kms north of Cadia Gold Mine
- 60 kms south of Boda Gold-Copper Prospect and the Kaiser Gold-Copper Prospect



# **Copper Hill Project**

## **Copper-Gold Mineralisation - JORC 2012 Mineral Resource Estimate - September 2022\***

- **31% of the total 2022 MRE classified as Measured Resource**
- **148 million tonnes - 0.32% copper and 0.28 grams/tonne gold with 0.2% copper only cut-off**
- **42 million tonnes - 0.13% copper and 0.28 grams/tonne gold occurs below the 0.2% copper only cut-off but above a 0.2 grams/tonne gold cut-off**

## **Total 190 million tonnes - 0.28% Copper, 0.28 g/t gold and 1.3 g/t silver**

- **520,000 tonnes copper**
- **1,720,000 ounces gold**
- **7,900,000 ounces silver (reported for first time)**

**Most holes <250m below surface indicating depth and strike extension potential.**

**MRE pit optimised to a maximum vertical depth of approximately 300 metres**

\* See ASX Announcement on 6 September 2022

# Copper Hill Project

## Current Planned Work Programs at EL6391 (subject to financing)

Exploration techniques to detect subsurface intrusive systems, structural frameworks and potential mineralisation pathways.

BFO

### Geophysics: Generation of gravity data (December 2024/March Qtr 2025)

- First stage 400m station spacing for approximately 580 stations 2-3 weeks.
- Second stage 100m station spacing to achieve higher resolution for selected areas based on the first stage results

### Geophysics: Ambient Noise Tomography (ANT) Survey (March 2025 Qtr)

- New technique being implemented by several NSW explorers, some with promising outcomes.
- An ANT survey of Copper Hill may take several weeks
- Discussions with contractor have commenced.

# Copper Hill Project

## Current Planned Work Programs at EL6391 (continued)

### Geochemistry: Soil Sampling (March/June 2025 Qtr)

- Modern analytical techniques provide geochemical data missing from historical work, that could provide vectors to mineralisation.

### Resource Evaluation (2H 2025)

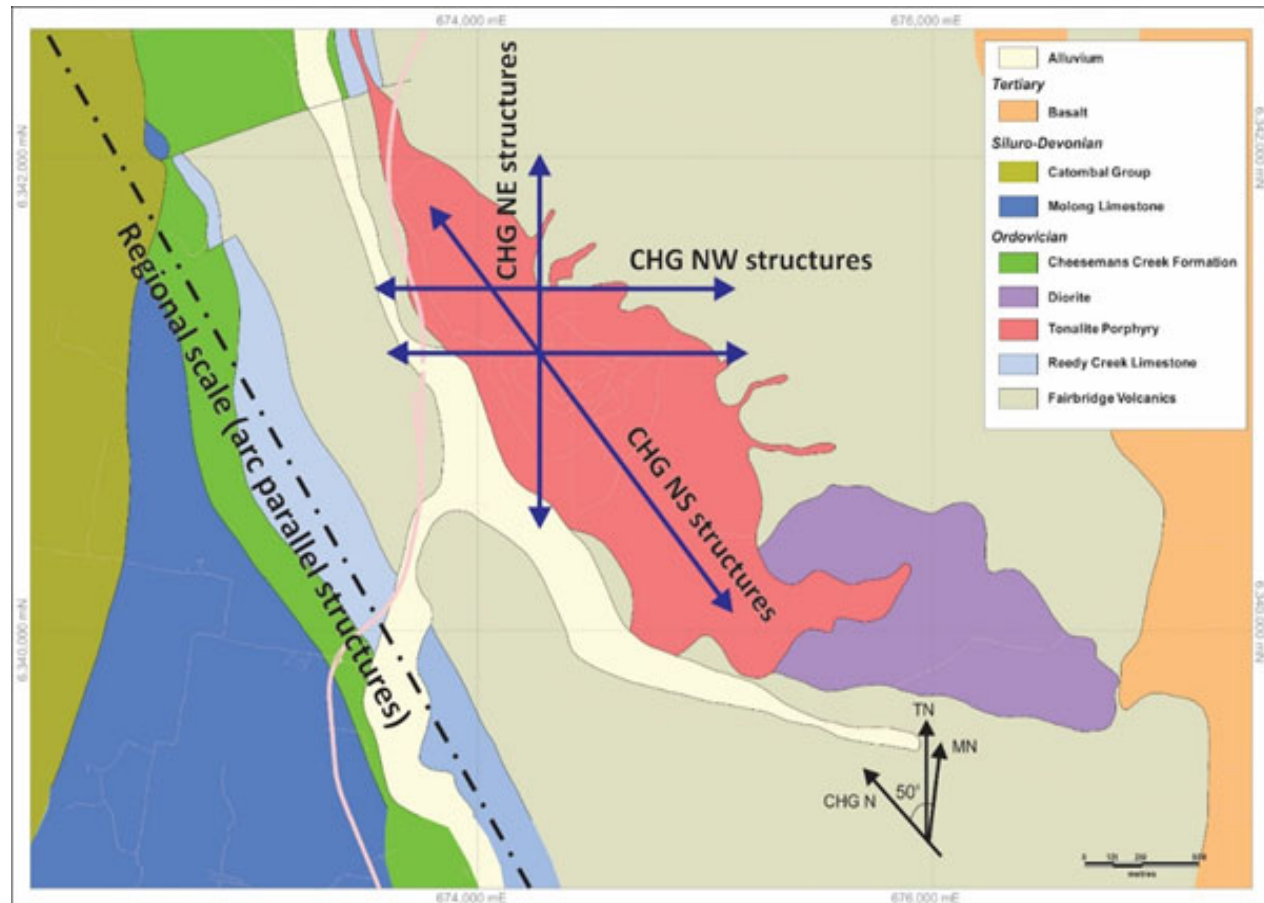
- Resource blocks outside the reporting pit for the MRE of September 2022 require further drilling to potentially enlarge the MRE tonnage.

### Feasibility Studies

- Feasibility components include:- Metallurgical testing; financial modelling; mining studies, land acquisition, environmental studies

# ✦ Copper Hill Geology

- MGA NW NS and EW structures recognised
- Multiple intrusive phases
- Dacite porphyries
- Related Volcanics and sediments
- 5km MGA NW corridor with mineralisation potential

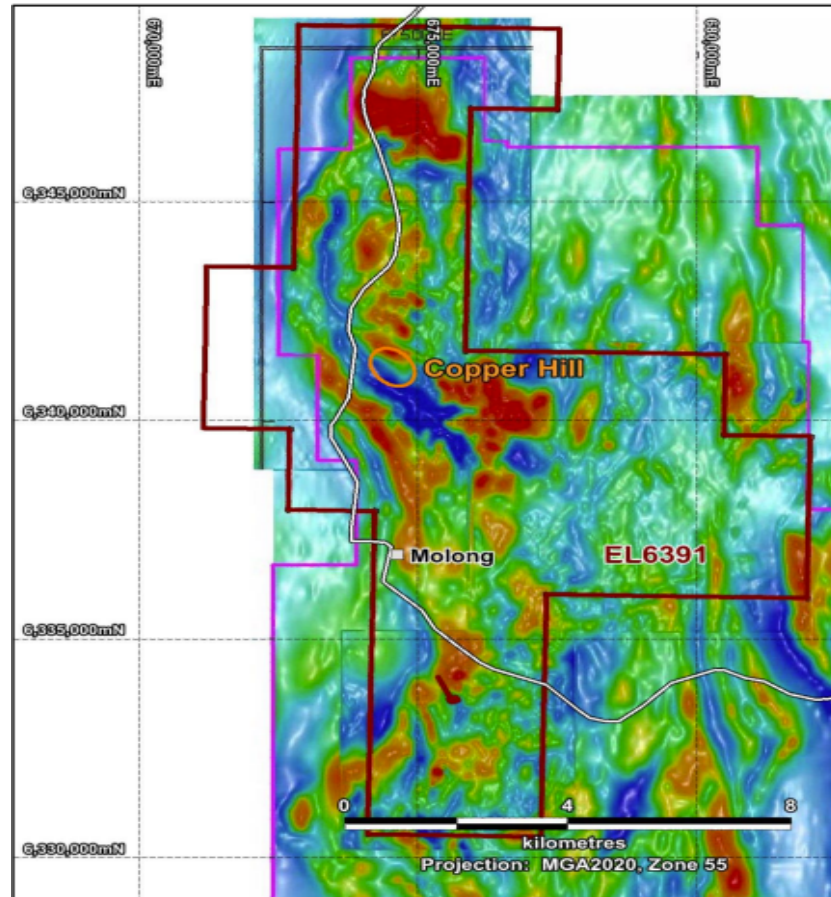




# ✦ Copper Hill Magnetics

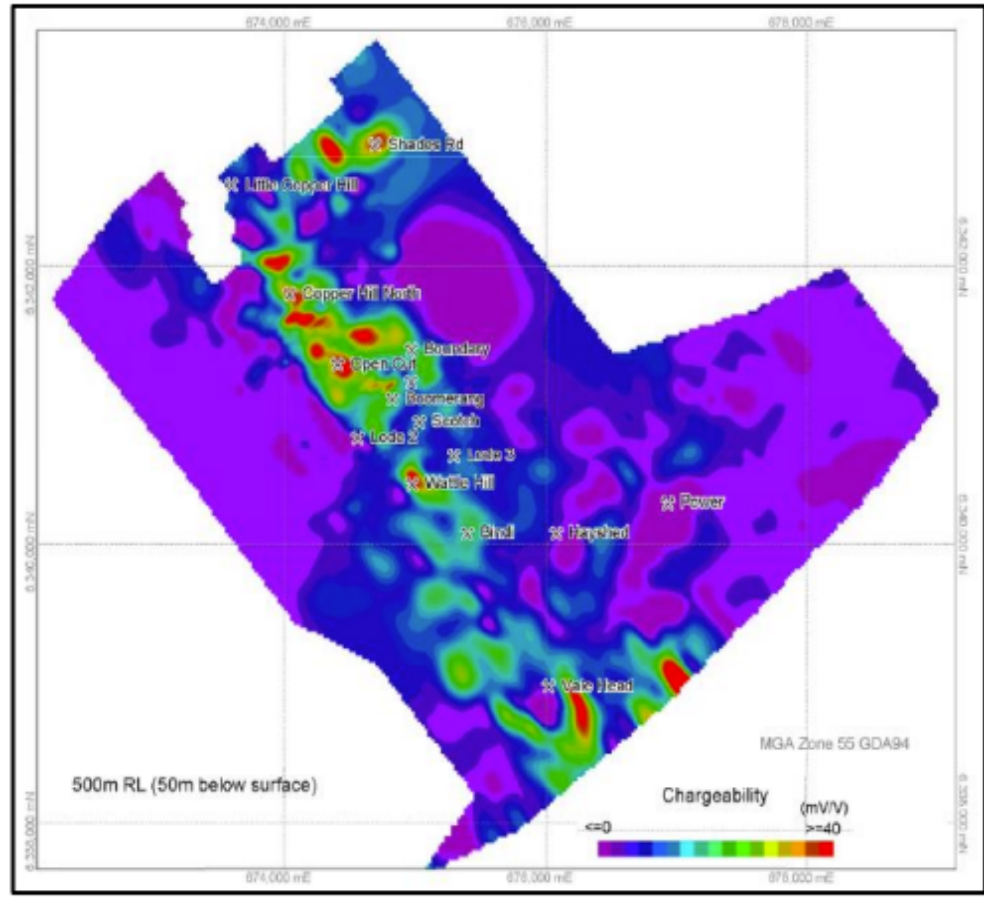
## Significant Magnetic Features

- 5km long MGA NW corridor
- Magnetic lows reflect alteration
- Several nearby targets



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# ✦✦ Copper Hill – Exploration Targets

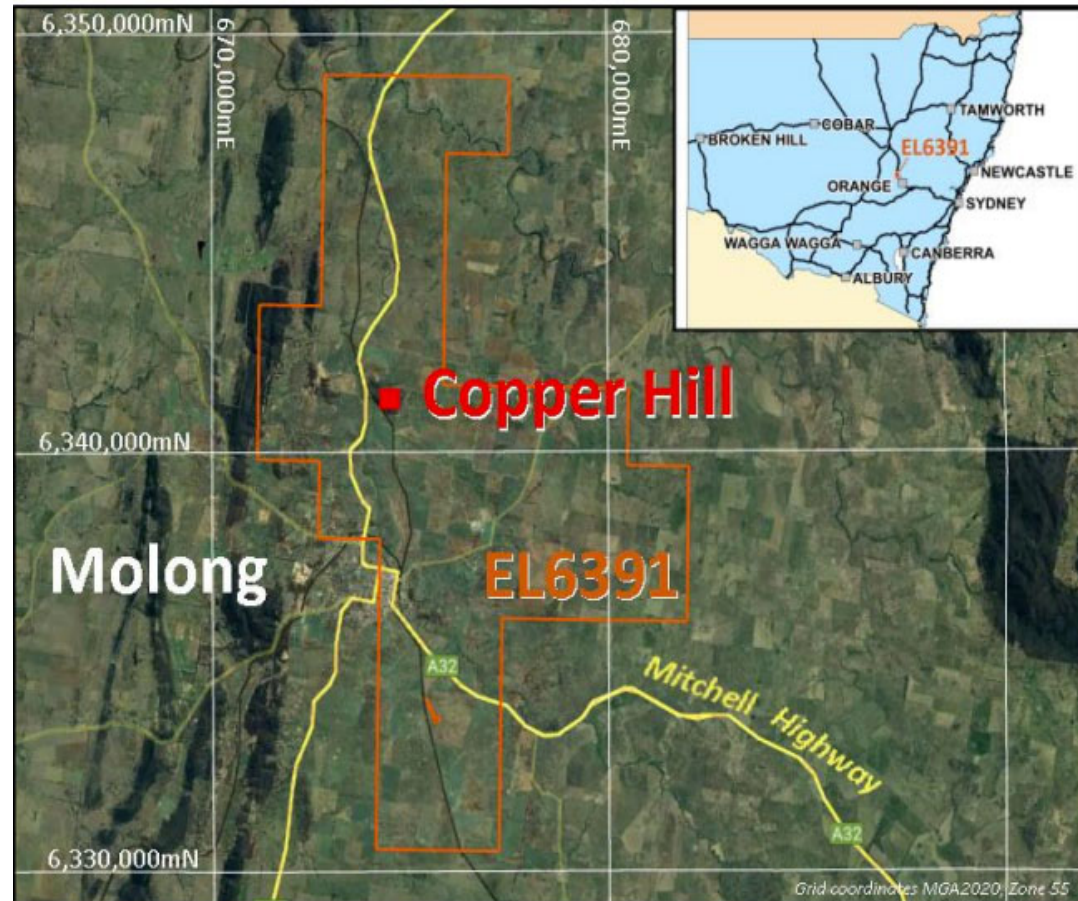


Prospects and IP Chargeability - Chargeability highs reflect pyrite

## ✦ Copper Hill – Local position

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- Undulating topography
- Close to Molong township
- Adjacent to Mitchell Highway
- Disused Molong-Dubbo railway connects to main western line to Sydney
- Power – 132 Kv substation within 5km





# ✦ Copper Hill Infrastructure

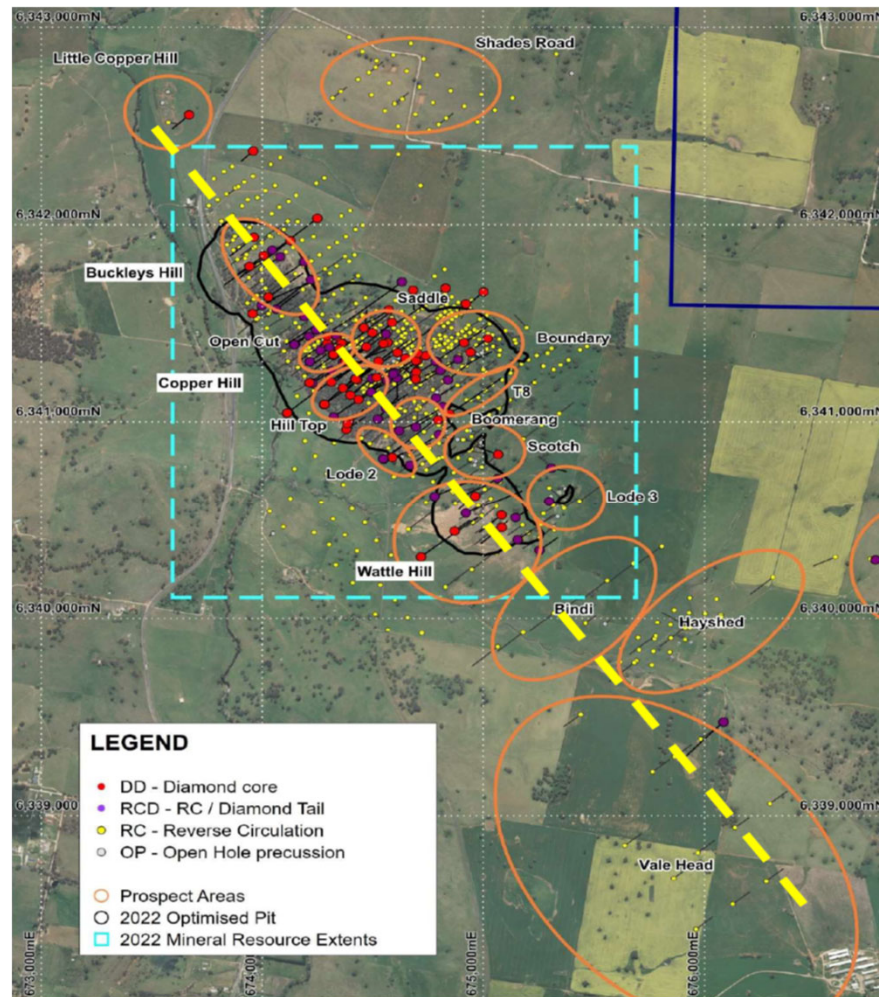
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- A 'hill' standing in valley
- Disused Molong-Dubbo railway to Sydney
- Adjacent to Mitchell Highway
- GCR Field base on Highway
- Freehold Land
- No specific environmental issue



# ✦ Copper Hill – Exploration Targets

- Prospect Locations along 5km NW Trend
- Drilling by type
- 2022 optimised pit outline



## ✦✦✦ Copper Hill Cross Section 5600N

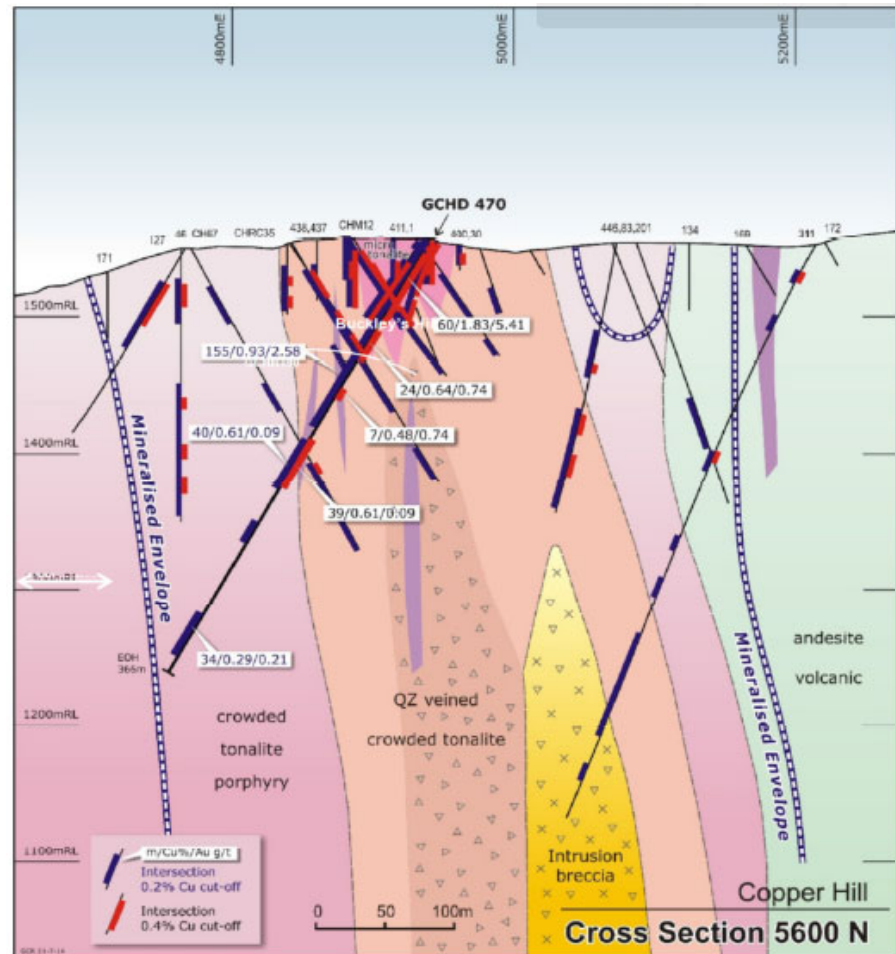
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- 400m wide mineralised envelope
- High grade near surface zones
- Hill profile gives very low strip ratio
- Open at depth
- Copper Hill Intersections include:-

- **CHRC-58<sup>1</sup>** 256m @ 0.67% Cu 1.06g/t Au  
from 32m (0.2% Cu cutoff)
  - incl 65m @ 0.81% Cu 2.43g/t Au  
from 32m (1.0 g/t Au cutoff)
- **GCHD470<sup>2</sup>** 155m @ 0.93% Cu 2.58g/t Au  
from 2m (0.2% Cu cutoff)

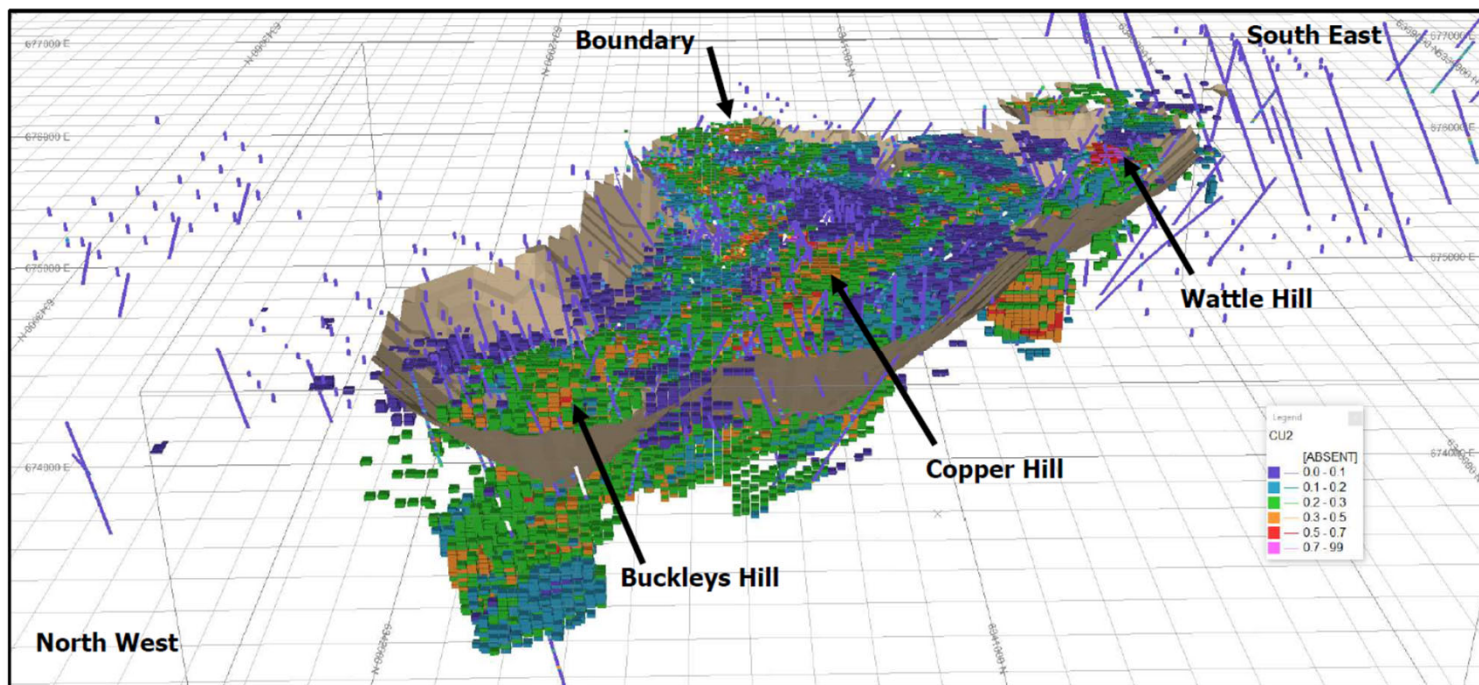
1. Cyprus Gold 1989

2. Refer ASX 25 August 2014 "Copper Hill Drilling Update GCHD470"





# Copper Hill 2022 Block Model

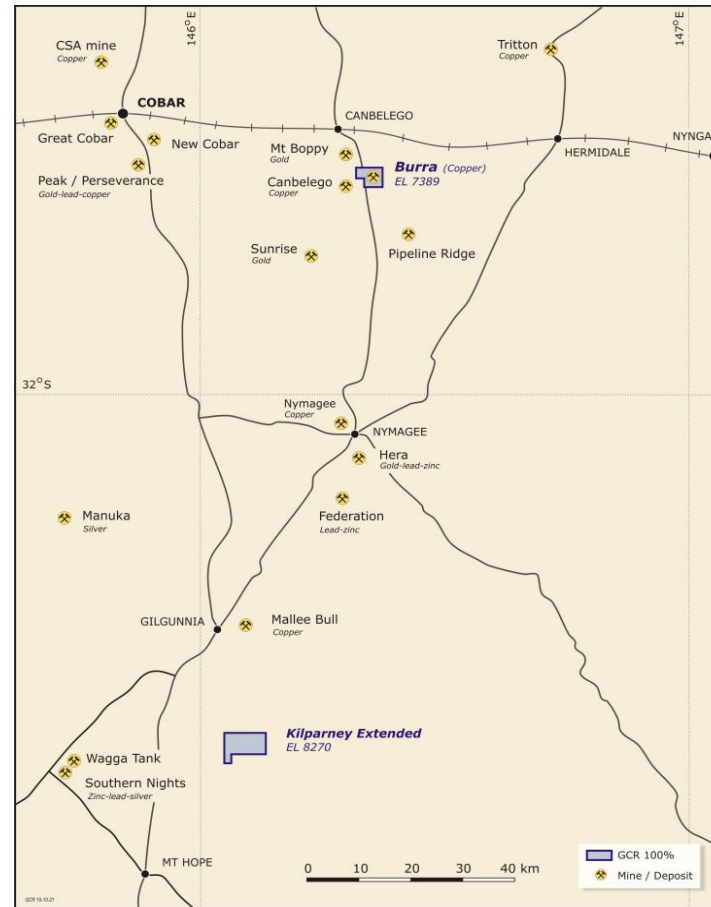


*2022 resource model blocks > 0.2% Cu or 0.2 g/t Au and 2022 pit shell (brown) used to constrain resource*

- Higher grade Copper Hill Central zone (41MT @ 0.43 % Cu and 0.53 g/t Au using 0.4 CoG – next slide)
- Exploration potential at depth below the 2022 optimised reporting pit

## ✦ Burra Project – Cobar NSW

- Pole Dipole Induced Polarisation (PDIP) Geophysical Survey - July 2024
- Results to be released once available





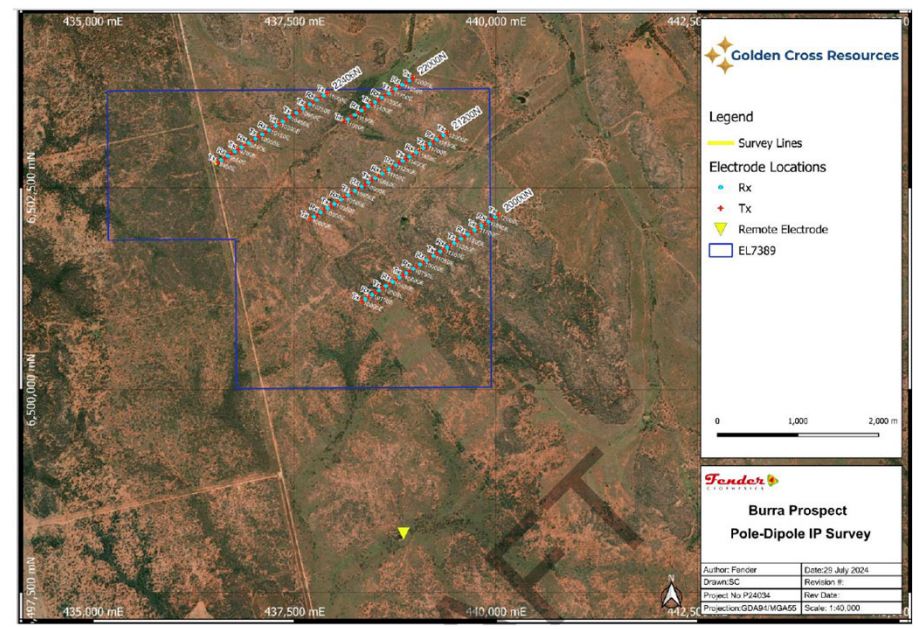
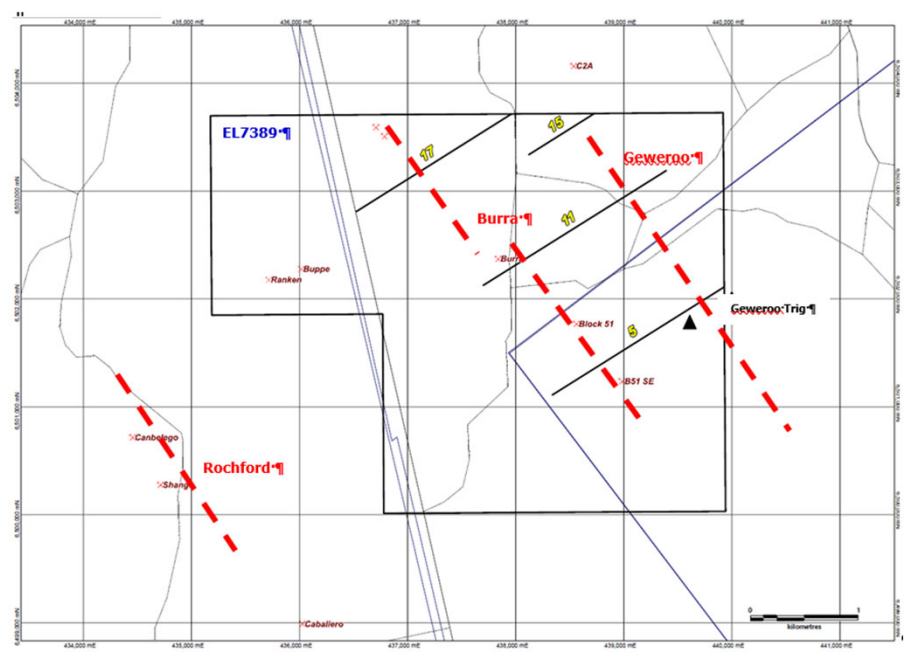
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# ✨ Burra Project – Cobar NSW

## Pole Dipole Induced Polarisation (PDIP) Geophysical Survey - July 2024

*Trial PDIP Line Locations  
[showing prospects, and interpreted trend lines]*

*Trial PDIP Line Locations  
[showing electrode locations]*



## Golden Cross Tenements

TENEMENT NAME	TEN # EL EPM	Holder	Status	JV Partner	GRANT DATE Original	Expiry Date	Area km <sup>2</sup>	Commodity
<b>NEW SOUTH WALES</b>								
Copper Hill	6391	GCO	Current		10-Mar-05	10-Mar-25	95	Copper, Gold, Silver, Molybdenum
Burra	7389	GCO	Current		20-Aug-09	20-Aug-27	14	Copper, Lead, Zinc, gold
Kilparney Extended	8270	GCO	Current		06-May-14	06-May-25	17	Copper, Lead, Zinc, gold
West Wyalong	8430	ARD	Current	ARD	20-Apr-16	20-Apr-25	112	Copper, Gold, Silver, Molybdenum
<b>SOUTH AUSTRALIA</b>								
Oolgelima	6500	GCO	Current		27-Jan-20	26-Jan-25	237	Copper, Gold, Rare Earths, Uranium
Stuart Range	6089	GCO	Curent		30-Jul-17	29-Jul-28	142	Copper, Gold, Rare Earths, Uranium
<b>QUEENSLAND</b>								
Quita Creek	14905	KER	Current		12-Dec-06	11-Dec-26	111	Phosphate, Rare Earths, Uranium
Lily & Sherrin Creek	14912	KER	Current		30-Jan-07	29-Jan-27	108	Phosphate, Rare Earths, Uranium
Highland Plains	14906	KER	Current		24-Aug-07	23-Aug-27	143	Phosphate, Rare Earths, Uranium

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# Golden Cross Resources Ltd

## Top 20 shareholders on 28 August 2024

	Holder Name	No. Held	%
1	HQ MINING RESOURCES HOLDING PTY LTD	709,537,330	64.66%
2	OCEANIC UNIVERSAL LIMITED	60,449,590	5.51%
3	NELSON ENTERPRISES PTY LTD <CAVAN STREET A/C>	15,095,250	1.38%
4	FN (NSW) PTY LTD <VAN DEN BERG FAMILY A/C>	9,150,000	0.83%
5	HSBC CUSTODY NOMINEES (AUSTRALIA) LIMITED	7,855,930	0.72%
6	MISS QIAN WANG	7,830,433	0.71%
7	CITICORP NOMINEES PTY LIMITED	7,470,570	0.68%
8	DETOTA PTY LTD <THORNLANDS INV P/L S/F A/C>	6,520,000	0.59%
9	LEET INVESTMENTS PTY LIMITED	6,000,000	0.55%
10	THE MACLEAN MOTOR COMPANY	5,915,180	0.54%
11	MR SUNIL LAL & MRS SHIKHA LAL CHHABRA LAL SUPER	5,200,000	0.47%
12	MR KIM PATRICK SINDORFF	5,000,000	0.46%
13	INTERNATIONAL BUSINESS CONSULTANTS PTY LIMITED <KERR FAMILY SUPER FUND A/C>	4,762,540	0.43%
14	MR PATRICK JAMES DYMOCK ELLIOTT	4,500,000	0.41%
15	TECHNICA PTY LTD	4,245,170	0.39%
16	MISS YINGPIN ZHOU	4,123,951	0.38%
17	MR SAM ANDERSON CHAPMAN	4,075,000	0.37%
18	NEIL FRANCIS STUART	3,789,180	0.35%
19	FORESTCORP AUSTRALIA PTY LTD TANTALUS SUPER FUND	3,767,370	0.34%
20	MULTIPACK HOLDINGS PTY LTD	3,450,000	0.31%
	Total	878,737,494	80.08%
	Total issued capital – fully paid ordinary shares	1,097,256,110	100.00%

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# **Directors and Management**

## **Directors**

- **Jordan Li - Executive Chairman**
- **Boris Patkin– Non-Executive**
- **Yuanheng Wang – Non-Executive**
- **Yan Li - Non-Executive**
- **Kevin Lee – Non-Executive**

## **Company Secretary**

- **Patrick Sam Yue**

## **Consultant Geologist**

- **Bret Ferris**

## **Office Administrator/**

## **Shareholder Communications**

- **Carolyn Jacobs**

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