



**cooper**metals

ASX Code: CPM

## Cooper Metals Limited

Australian focused copper and  
gold explorer

Exploration Update July 2022

Managing Director: Ian Warland



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# Corporate Snapshot



## Share price performance since listing on 19th November 2021



Source: commonwealth securities 15<sup>th</sup> July 2022

**ASX Code:** CPM

**Share Price:** \$0.47<sup>1</sup>

**Shares On Issue:** 40M

**Market Cap (undiluted):** ~\$18.8M

**Cash Position:** ~4.0M<sup>2</sup>

**Options:** 8.9M

### Major shareholders

**Top 20** ~47%

**Board** ~12%

# Project Summary

## Three Project areas – Qld & WA

### MT Isa East Cu-Au Project - Qld

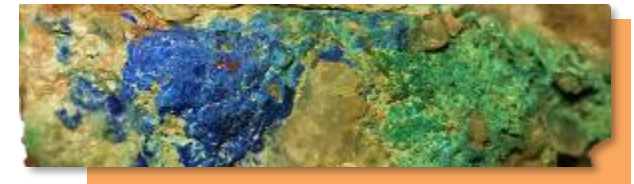
- World class Mt Isa Inlier
- Large tenement package close to infrastructure
- highly prospective for IOCG, ISCG and shear hosted Cu-Au

### Yamarna Gold Project - WA

- Along strike from Gold Road JV Resources **6.16 Moz Gruyere gold deposit**<sup>1</sup>

### Gooroo Cu-Au Project - WA

- 20km from Silver Lake's Deflector Mine (**1.28m oz Au @ 13.2 g/t**)<sup>2</sup>
- 26km of unexplored greenstone belt





# Mt Isa East Copper Gold Project- Qld

## World Class copper gold provence



The Project straddles the boundary of the Western Fold Belt, the Kalkadoon-Leichhardt Belt and Eastern Fold Belt



Several small to medium, high-grade Cu +/- Au deposits in the area i.e., Duchess, Tick Hill, Leichardt & Barbara (4.7mt @ 1.6% Cu & 0.15 g/t Au)<sup>1</sup>



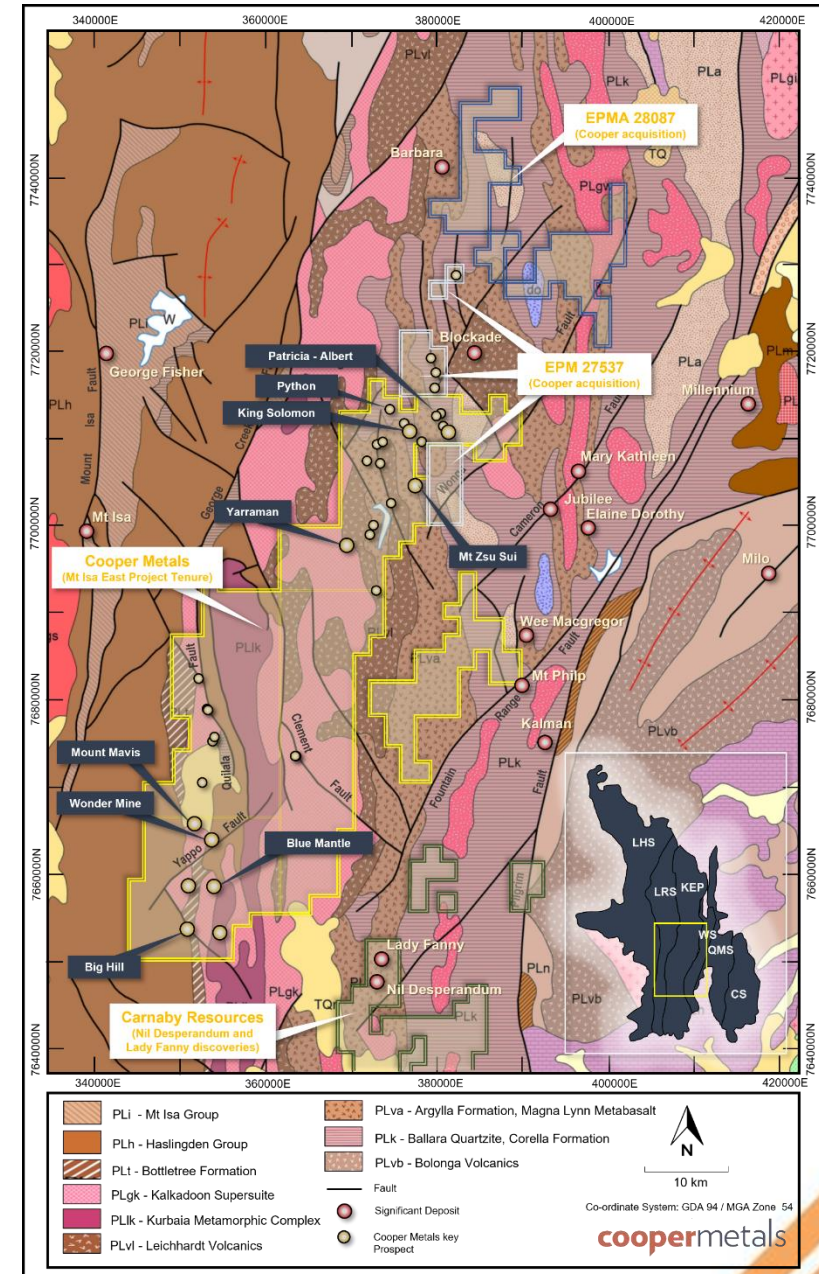
Carnaby Resources (ASX:CNB) recent success at Nil Desperandum and Lady Fanny highlight the potential of the region especially the Mary Kathleen Domain



Cooper's ground has many significant Cu occurrences that have had **no follow-up drilling** since the mid 1990's



Cooper's recent drilling at King Solomon has intersected significant shallow copper and gold mineralisation, open in all directions



# King Solomon 1

## Significant shallow copper & gold mineralisation intersected



Eight RC drill holes intersected shallow copper mineralisation over an exceptional 380m strike length, with mineralisation open along strike and at depth



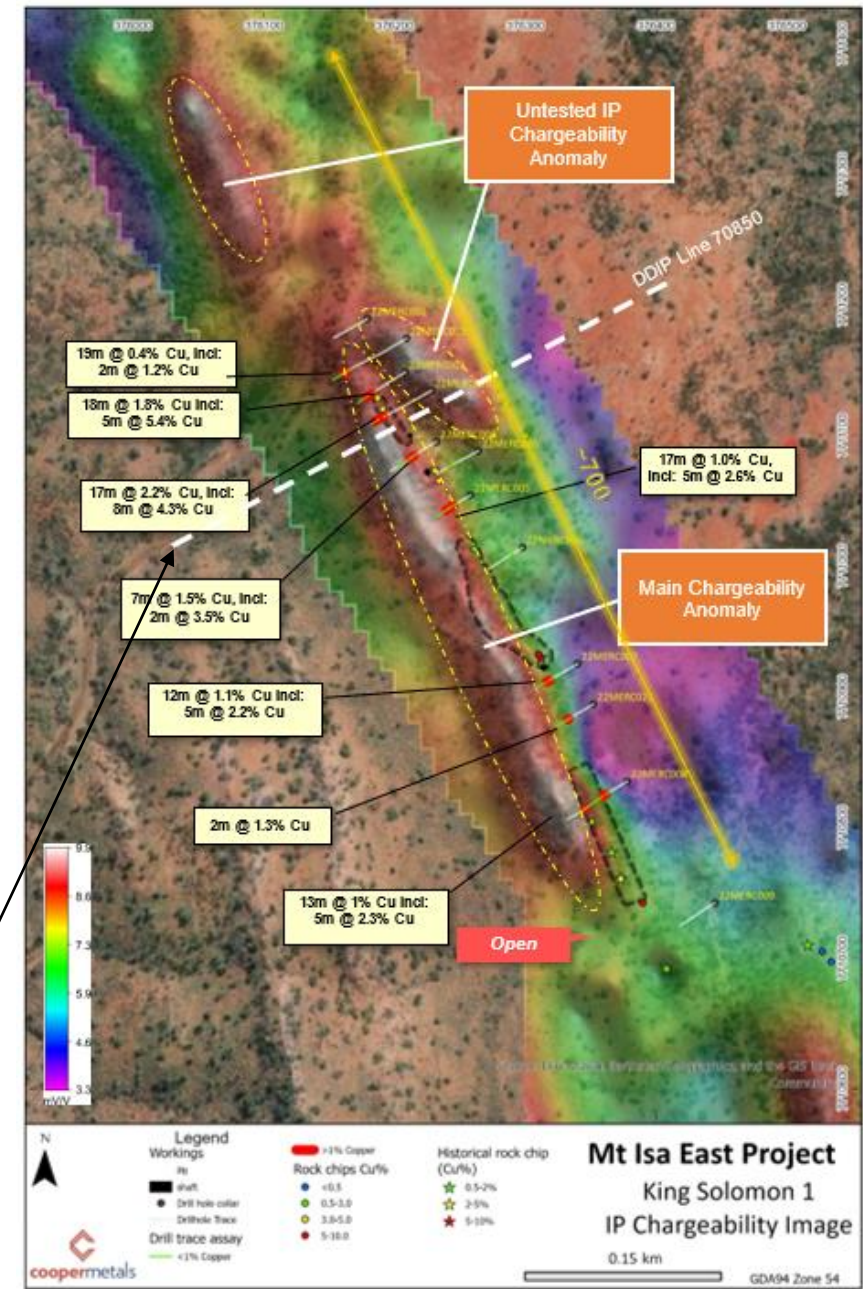
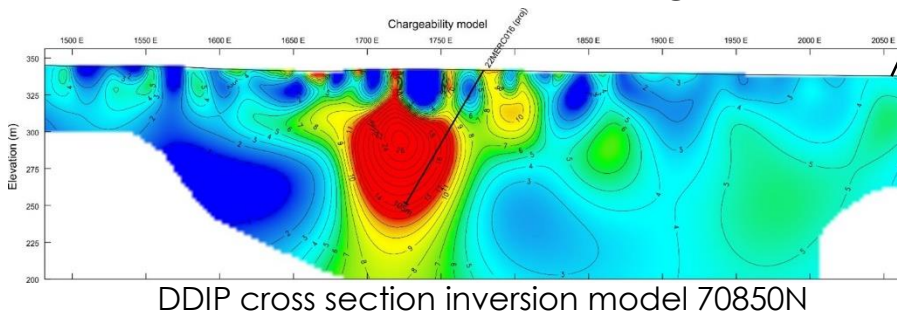
22MERC016 intersected an excellent result of **17m @ 2.2% Cu from 84m including 8m @ 4.3% Cu from 84m** with gold assays still pending



IP chargeability anomalies indicates significant additional targets, down dip, adjacent to, and along strike from known Cu-Au mineralisation at King Solomon 1, 2 and 3, suggesting a much larger mineralised system than previously indicated.



New IP chargeability anomalies at King Solomon 1 outline **around 250m of additional strike length** to drill test





# King Solomon 2 & 3

## IP survey identifies significant new targets



RC drilling assay results indicate significant potential of new IP chargeability anomalies identified subsequent to the maiden drilling program in May



Over **500m combined strike length of IP chargeability** anomalies identified at King Solomon 2 and 3



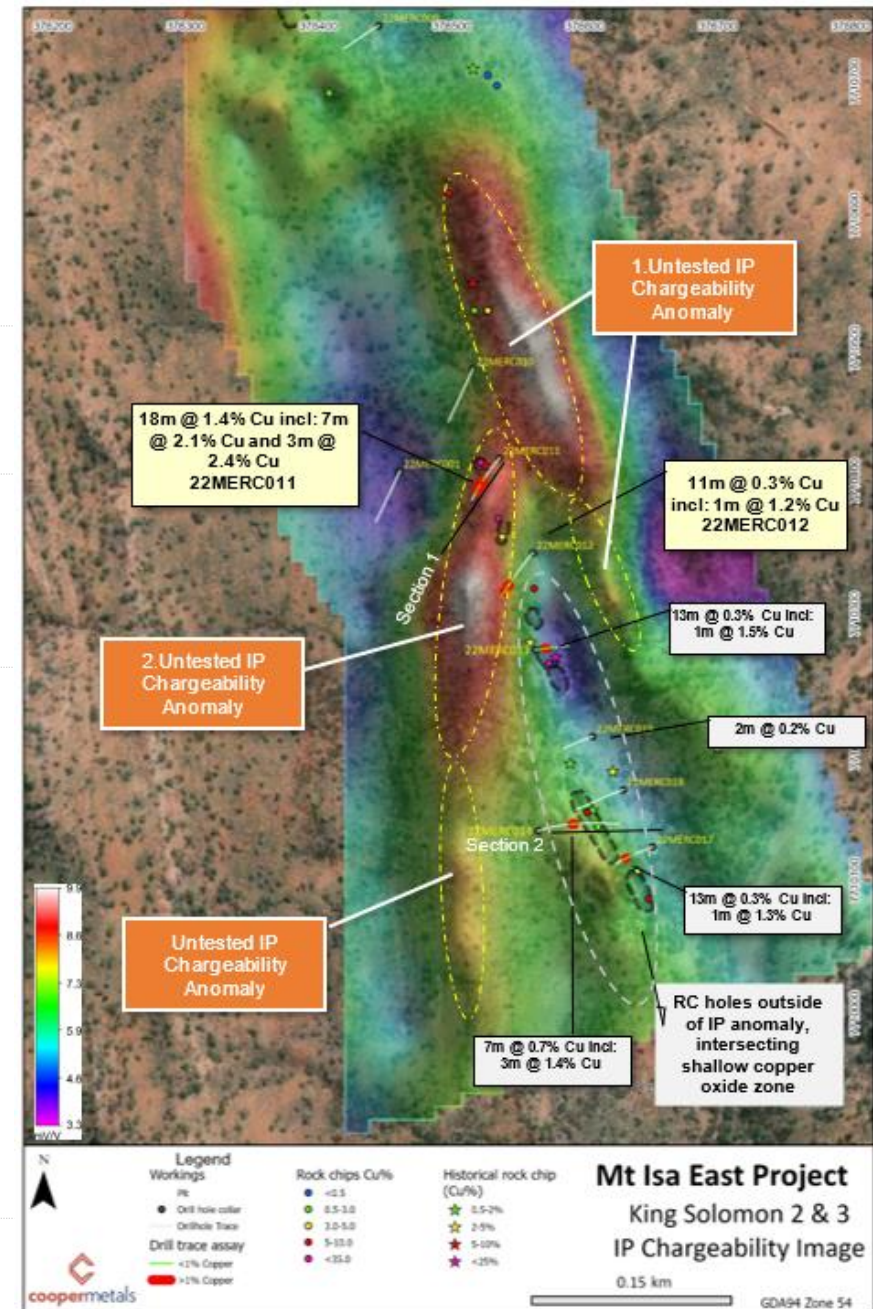
A strong NNW trending chargeability anomaly extending for over **250m along strike that is untested by the current drilling**



A chargeability anomaly trending in a NNE strike direction for over 250m, partially intercepted by hole 22MERC011 originally testing under mineralised outcrop intersected **18m @ 1.4% Cu and 0.04g/t Au from 42m including 7m @ 2.1% Cu from 43m and 3m @ 2.4% Cu from 56m**



**Drilling to commence at King Solomon late July, testing new targets and along strike and downdip of known mineralisation**



# Mt Isa East - Qld

## Rapidly building a pipeline of Cu-Au targets



Multiple high-priority VTEM conductors identified, with several conductors coincident with significant structures and favourable lithologies for hosting iron-sulphide-copper-gold (ISCG) mineralisation



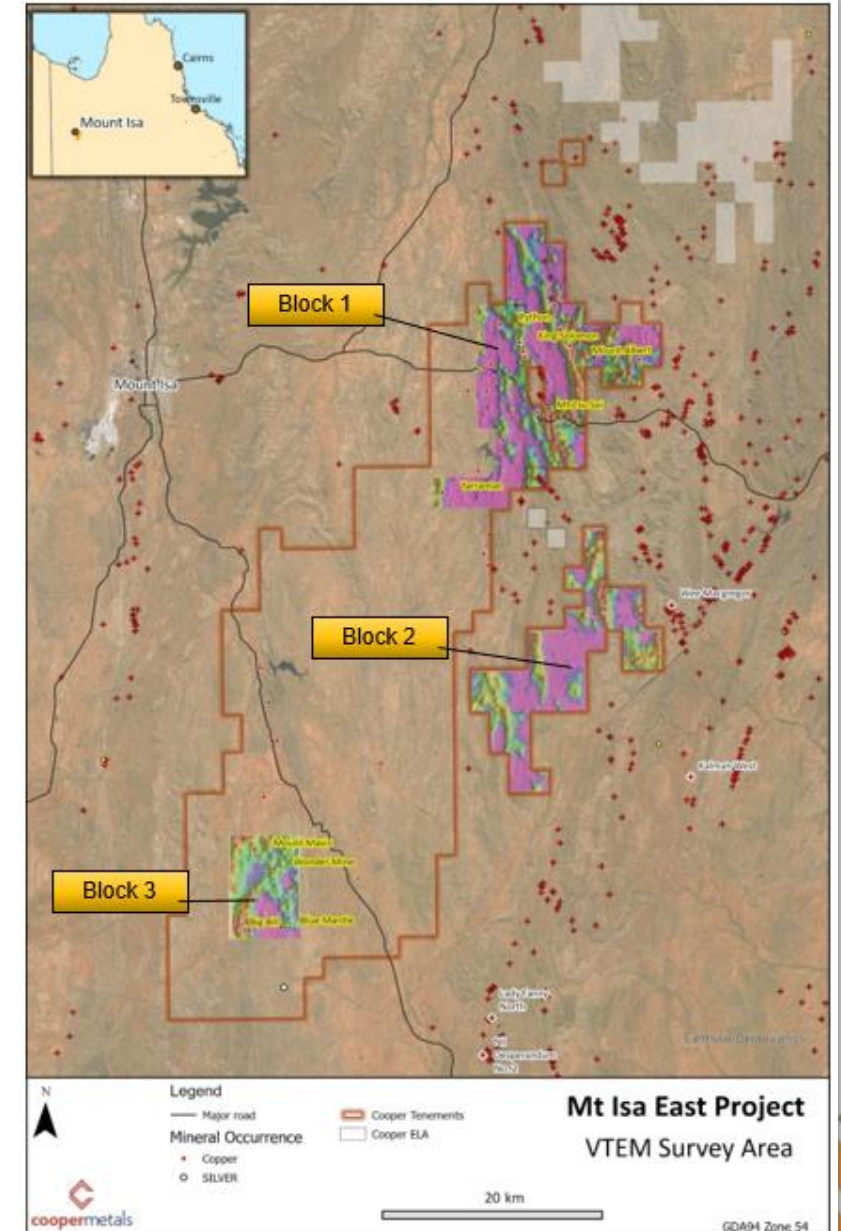
VTEM survey doubles the length of the Python conductor to around 700m long and identifies a new subparallel conductor 250m to the northeast



First ever detailed airborne electromagnetic survey over the Company's tenure in the prospective Mary Kathleen Domain



Ground truthing of the VTEM conductors is already underway to determine the possible source of the anomaly and prioritise follow-up ground geophysics ahead of potential drill testing





# Mt Isa East – southwestern prospects

Significant historical workings untested by drilling or modern geophysics



Significant historical workings at Wonder Mine, Big Hill, and Blue Mantle prospects

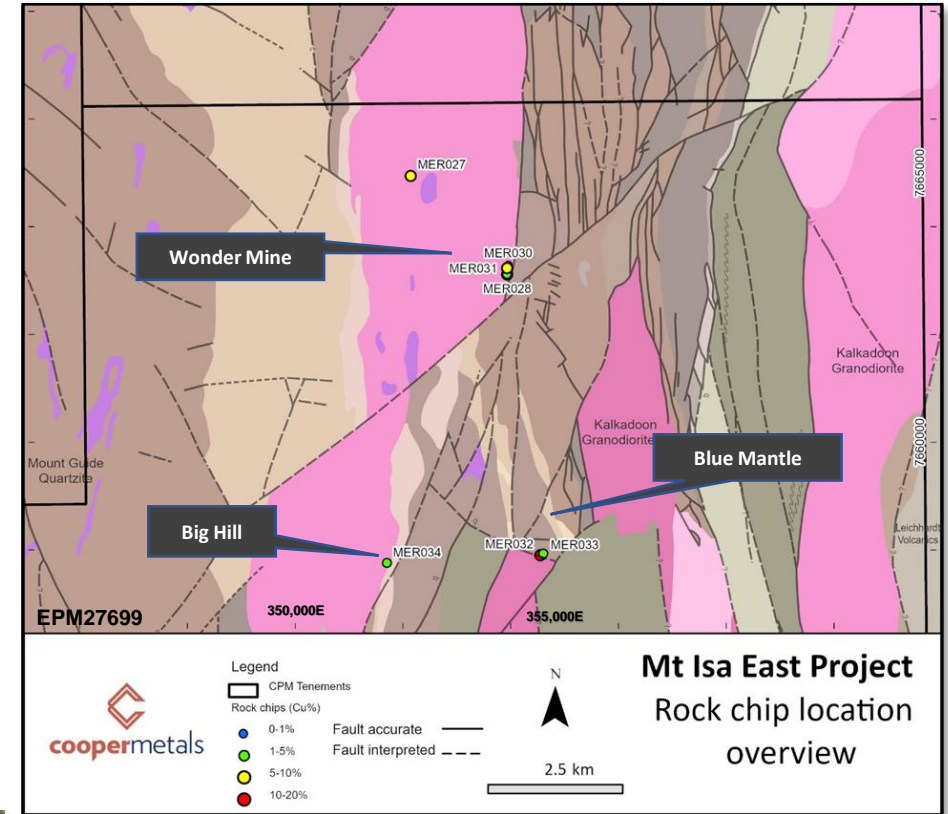


Big Hill Mine ~140m long open-pit development, with **2.23% Cu in rock chips (MER034)** taken from spoil material



The Wonder Mine comprises three vertical shafts approximately 90m apart with a shallow open cut between the shafts

- rock chips up to **15.75% Cu, 0.25g/t Au and Ag 8.4g/t Ag (MER028)**
- fresh copper sulphides in stockpiles with rock chip results up to 7.33% Cu (MER031)
- mineralisation is developed on significant regional north-south shear zone open to the north



Wonder Mine shaft

# Gooroo Cu-Au Project - WA

## Extensive unexplored Greenstone Belt



Cooper is targeting Orogenic gold and copper-gold in the Gullewa Greenstone Belt



20km south of Silver Lakes Deflector mine (**1.2\* Moz Au @ 13.5 g/t & 3Mt @ 0.8% Cu**)<sup>1</sup> and nearby to Recharge Metals Ltd (ASX: REC) Brandy Hill South prospect



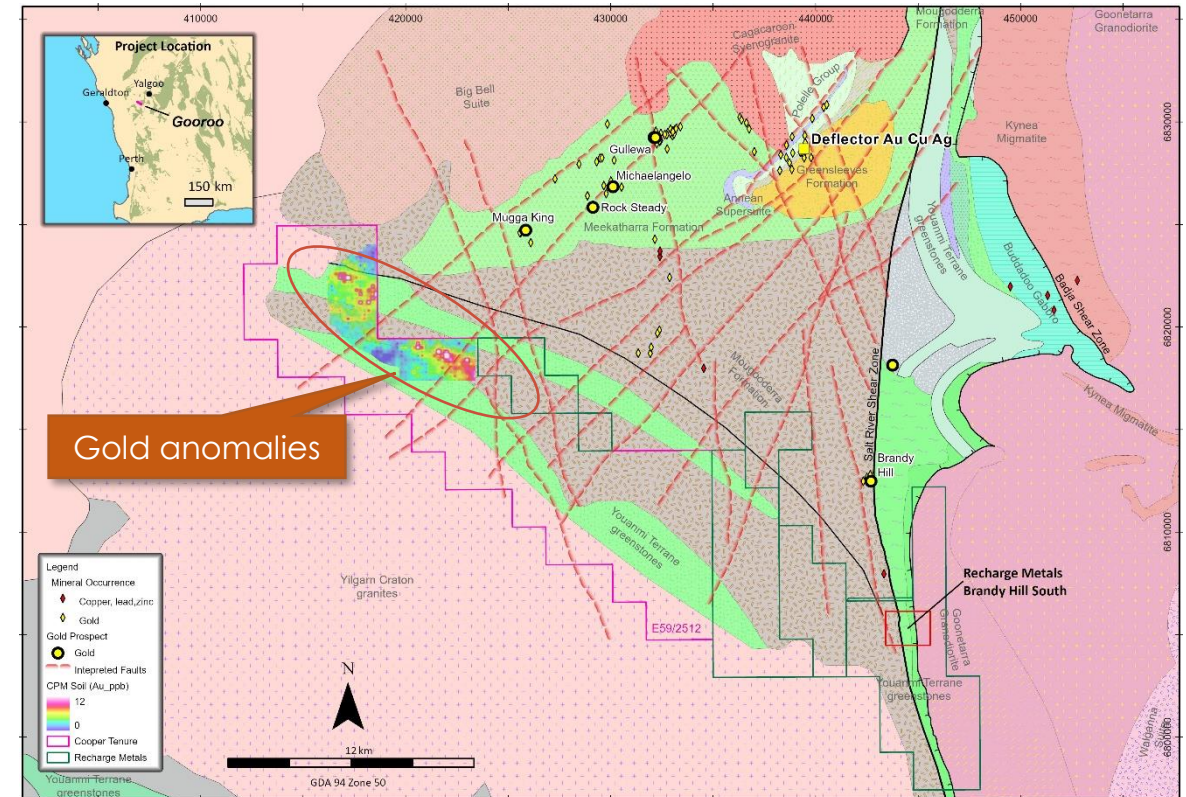
Several historical gold deposits associated with northeasterly trending structures



Recent regional soil geochemistry by Cooper has identified gold anomalism associated with favourable structural trap sites interpreted from aeromagnetic data



Infill soil geochemistry completed, with assay results pending, and potential drill testing to find the source of the gold anomalies in 2022



Location of the Gooroo Project on simplified geology (GSWA 2020)



Soil sampling at Gooroo Project - March 2022



# Yamarna Gold Project - WA

Along strike from Gold Road Resources (ASX: GOR) 6.16 Moz Gruyere gold deposit<sup>1</sup>



~140 km north-east of Laverton in Yamarna Terrane WA



Yamarna Terrane- newly discovered gold region, remains underexplored



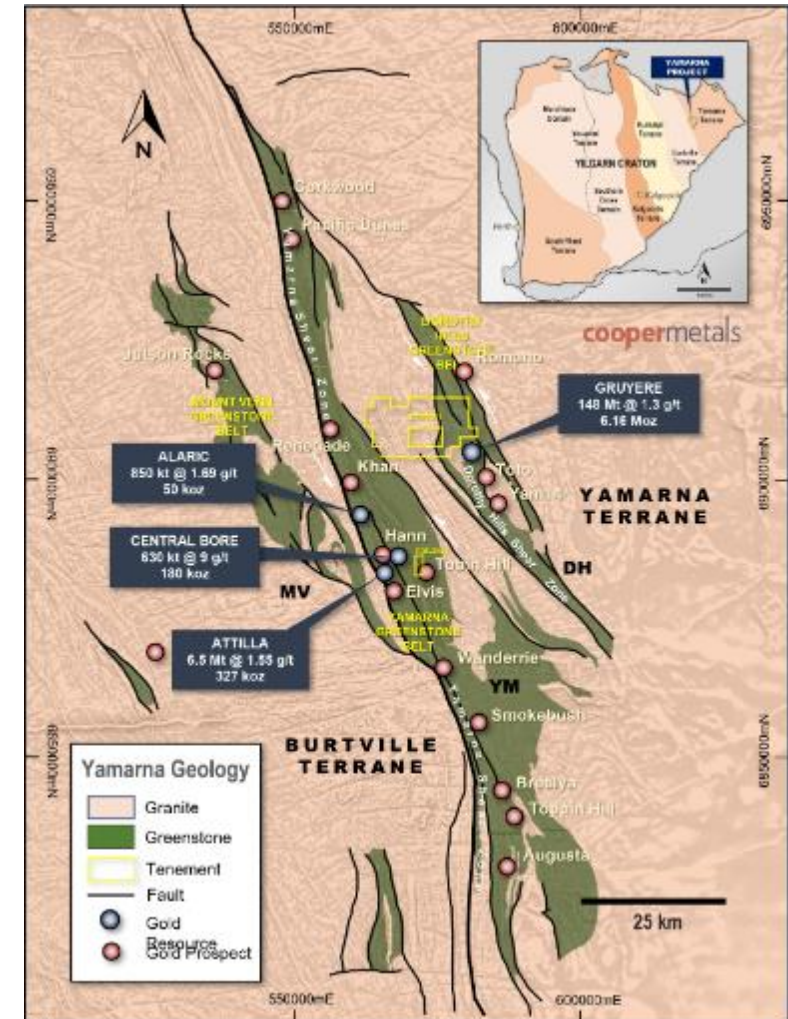
Cooper have two tenements totaling ~ 171sqkm hosting prospective greenstones



E38/3551 along strike from Gold Road's (ASX:GOR) 6.16 Moz Gruyere gold deposit<sup>1</sup> on Dorothy Hills Greenstone Belt



E38/3580 is on the Yamarna Greenstone Belt, which is to host to multiple Au deposits along the Yamarna Shear Zone





# Cooper Metals - Key Takeaways



RC drilling intersects significant shallow Cu-Au mineralisation at King Solomon



IP chargeability anomalies indicates exciting additional targets, down dip, adjacent to and along strike from known Cu-Au mineralisation at King Solomon 1, 2 and 3, suggesting a much larger mineralised system than previously indicated



Large detailed VTEM survey has rapidly generated new EM anomalies and is building a strong pipeline of early-stage targets to follow up



RC drilling to commence in late July at King Solomon Cu-Au prospect



Well funded and year-round news flow from three Projects



# Thank you & Questions

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**Cooper Metals Ltd**

ACN: 647 594 956

This announcement has been approved and authorised to be given to the ASX by the Board of Cooper Metals Limited.







# References & Competent Person Statement



## References ( For more details including and Table 1 Information refer to the following ASX announcements below)

Cooper Minerals Ltd Prospectus September 20, 2021

ASX: CPM: 1 December 2021: Early field work programs at Mt Isa East return rock chip assays up to 35.3% Cu and 7.96 g/t Au

ASX: CPM: 9 December 2021: Further strong assay results from Mt Isa East Cu-Au Project

ASX: CPM: 31 January 2022: December 2021 Quarterly Activities Report

ASX: CPM: 7 February 2022: Follow-up rock chip sampling continues to demonstrate wide-spread Cu and Au mineralisation at Mount Isa East

ASX: CPM: 23 March 2022: Binding agreement signed to acquire a strategic tenement at the Mt Isa East Project

ASX: CPM: 2 March 2022: High powered ground geophysics identifies robust conductor at Mt Isa East Cu-Au Project

ASX: CPM: 23 June 2022: Significant shallow copper mineralisation discovered at King Solomon

ASX: CPM: 30 June 2022: Multiple VTEM conductors identified at Mt Isa East Cu-Au Project

ASX: CPM: 12 July 2022: IP identifies new targets at King Solomon Cu-Au prospect



## Competent Person Statement

The information in this report that relates to Geological Interpretation and Exploration Results is based on information compiled by Ian Warland, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Warland is a Director of Cooper Metals. Mr Warland has sufficient experience that 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 Warland consents to the inclusion in the report of the matters based on his information and the form and context in which it appears.