

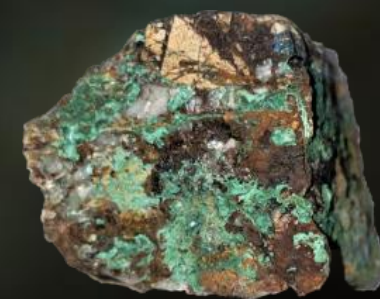


coopermetals

# Cooper Metals Limited

Australian focused copper and gold explorer

Webinar 8<sup>th</sup> February 2022



ASX Code: CPM

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# Corporate Snapshot



**ASX Code:** CPM

**Share Price:** \$0.62<sup>1</sup>

**Shares On Issue:** 40M

**Market Cap (undiluted):** ~\$24.8M

**Cash Position:** ~4.4M<sup>2</sup>

**Options:** 8.9M

## Major shareholders

Top 20	~52%
Board	~12%

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



Source: commonwealth securities 4<sup>th</sup> February 2022

# Board of Directors



## **Michael Frayne – Chairman**

» Michael is a qualified accountant and geologist with 30 year's experience in the resource and finance sectors. He has provided corporate management and advice to numerous resource, commodity and energy companies, the majority of which have been listed on AIM and the Australian Stock Exchange, with projects in Australia, Africa, Asia, North and South America. Michael was founder of Capital Metals in 2015, which was incorporated for the purpose of exploring, assessing and developing the Eastern Minerals Project in Sri Lanka.



## **Ian Warland – Managing Director**

» A highly experienced and successful geologist with 30 years' experience in Australia and internationally over a wide range of commodities. Notably, a career highlight, was being joint recipient for "Explorer of the Year" in 2006 for the discovery of the Jacinth and Ambrosia zircon-rich mineral sand deposits. Ian holds a Bachelor of Applied Science Geology with First Class Honours and university medal from the University of Technology Sydney. He also has a Graduate Diploma of Applied Finance and Investment and an Associate Diploma in Environmental Control. In the last ten years Ian has worked primarily in the junior exploration sector as a geological consultant and in senior management positions for Musgrave Minerals and Marmota. After leading Twenty Seven Co Ltd as their CEO for the last three years, Ian is now Managing Director of Cooper Metals.



## **Tim Armstrong – Non-Executive Director**

» Institutional financial advisor with Prenzler Group in Sydney with an extensive network across the financial PR, stock broking and investment banking industries in Australia and the UK. Previously worked in financial PR in Perth/London, which entailed advising numerous listed and private companies. He started his career in professional sport and spent five years as a first-class cricketer.



# Project Summary

## Three Project areas – Qld & WA

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

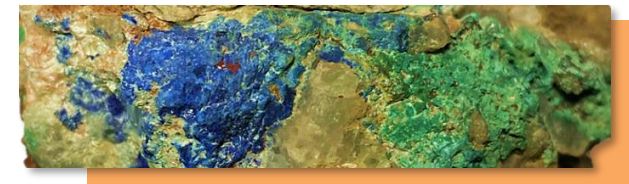
- World class Mt Isa Inlier
- Large tenement package close to infrastructure
- highly prospective for IOCG, ISCG and shear hosted Cu-Au

### 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 - Qld

## Proven World Class Cu-Au Province



Located in the world class Mt Isa Inlier



Targeting iron oxide copper gold (IOCG) , iron sulphide copper gold (ISCG) and shear hosted Cu +/- Au



Large Cu-Au focussed project area, five granted tenements in total (~1300 sqkm) ~30km SE of Mt Isa



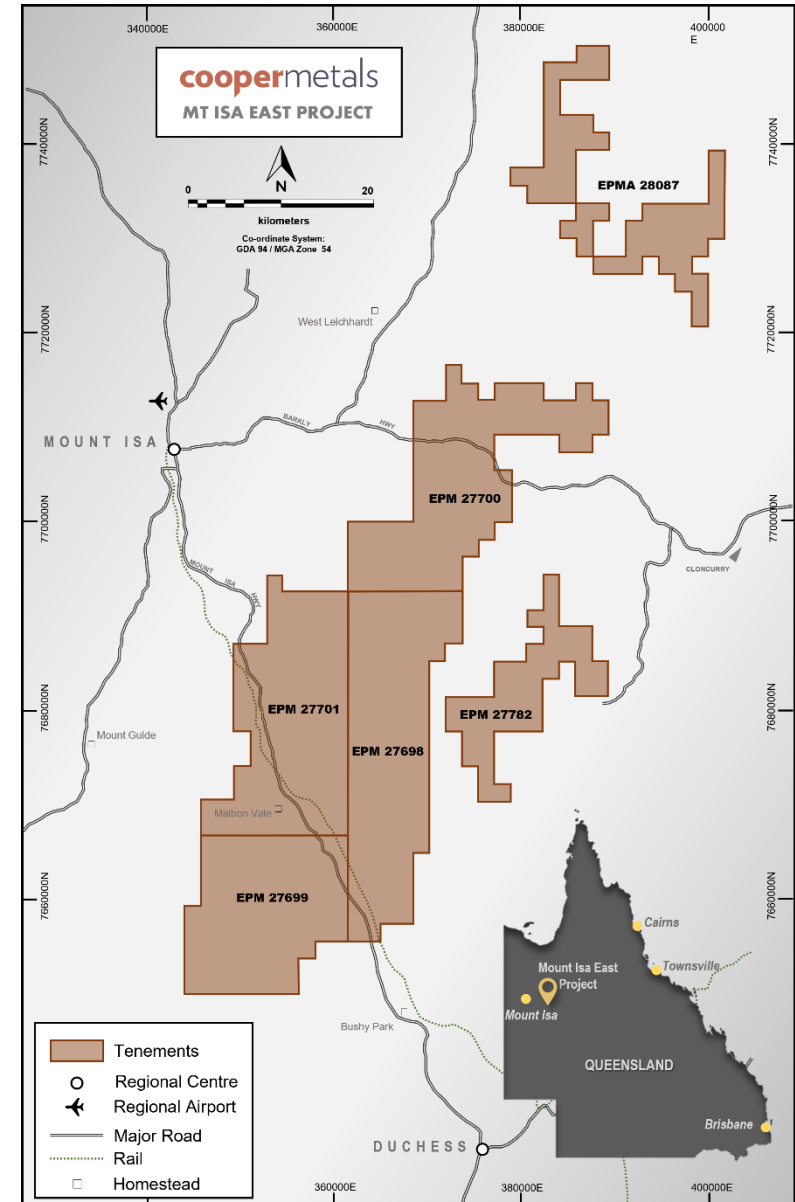
Potential for multiple third party processing options in a mature mining region



Multiple Cu-Au occurrences, and old workings identified in the Project area – primed for discoveries



**Cooper has built a major tenement position in the area, recently acquiring a new tenement application potentially extending the ground coverage to ~1500 sqkm**



# Mt Isa East - Qld

## Multiple Cu & Au occurrences in highly prospective MK Domain



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>



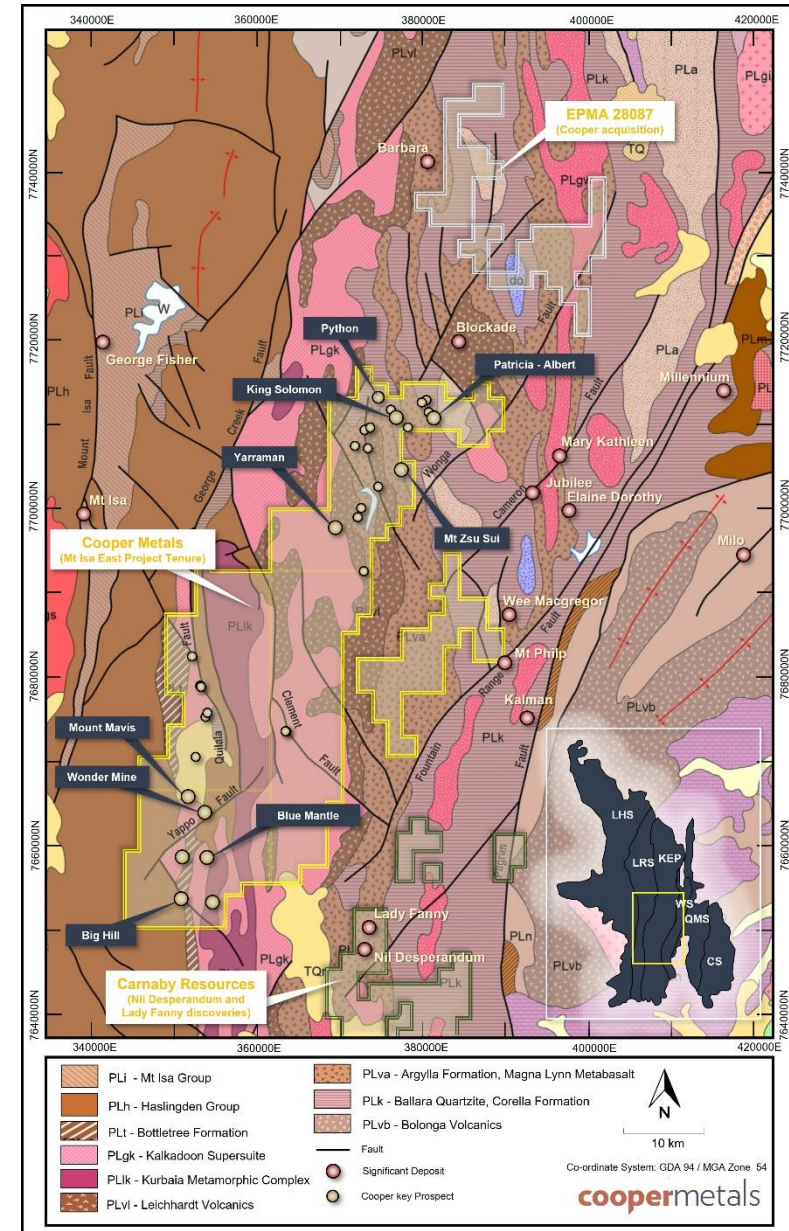
**Carnaby Resources (ASX:CNB) recent success at Nil Desperandum and Lady Fanny highlight the potential of the region especially the Mary Kathleen Domain**



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



Cooper's recent field sampling has identified significant Cu and Au mineralisation at several key prospects, that are now the focus of current on ground exploration programs



# King Solomon & Python Prospects



## Significant historical workings



Significant historical workings at Python and King Solomon prospects



King Solomon (KS) has several old copper workings that strike over a length of ~1.5km within the Corella Formation.



KS historical production was 894 tonnes @ 5.3% Cu with a further 2,195 tonnes of cupriferous limestone flux @ 2.3% Cu\*



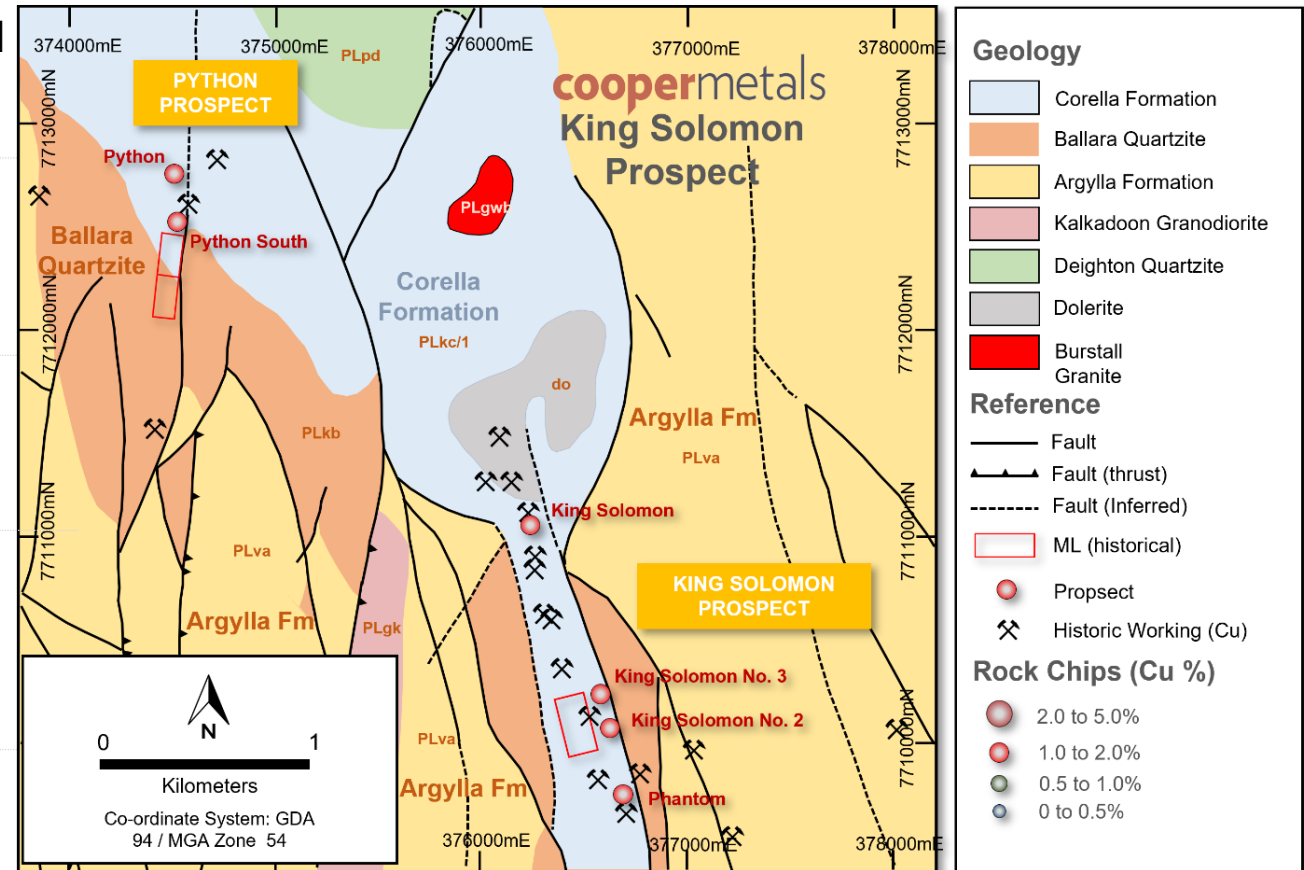
Python prospect includes shallow pits and one shaft hosted in the Corella Formation



Cooper's recent geochemical programs confirm significant Cu and Au grades at King Solomon and Python



High powered ground electromagnetic survey in progress at site



Source : CPM Prospectus September 2021



# King Solomon Prospect

## Extensive historical workings and stockpiles



Mineralised strike confirmed over 1.5km with rock chip samples up to **16.65% Cu and 2.58g/t Au**



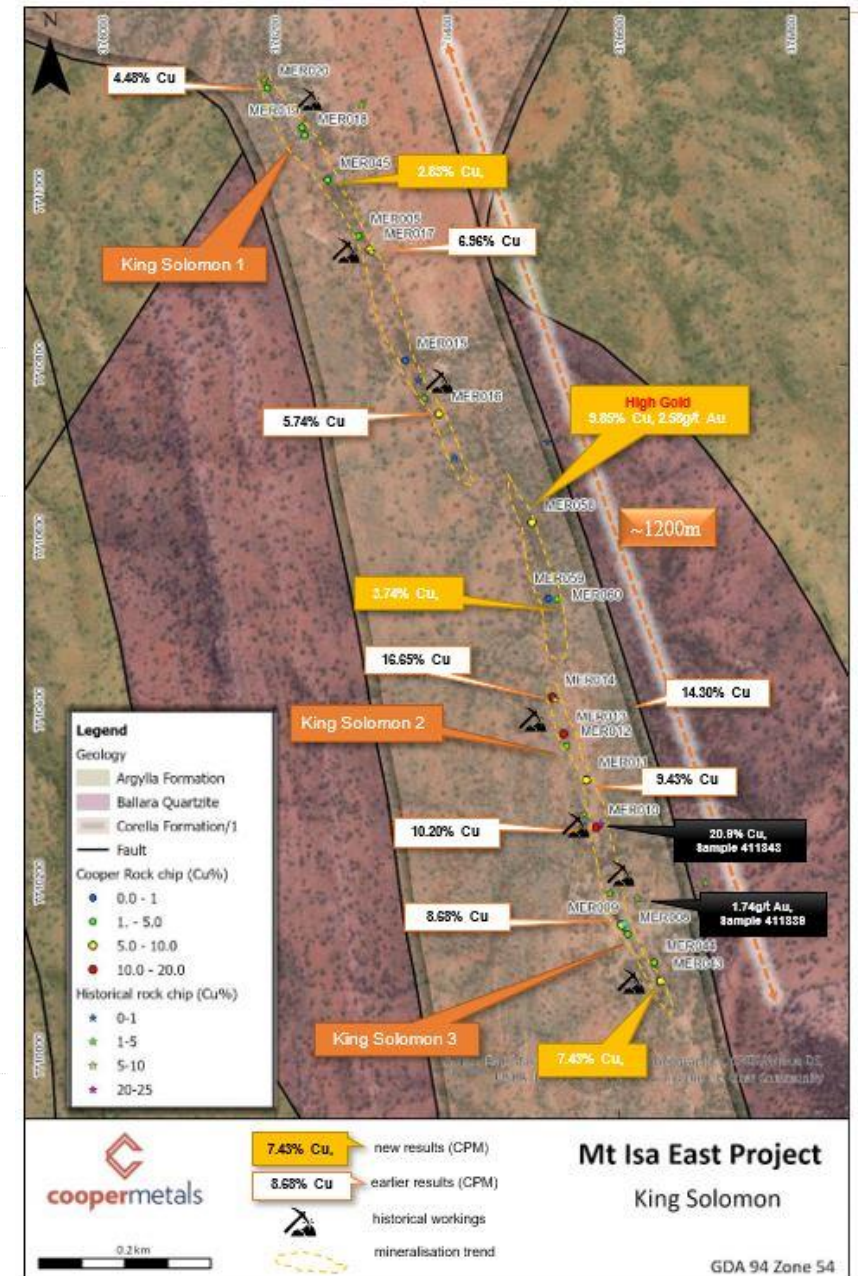
Three main areas of focus along old workings, previously untested by historical drilling or modern geophysics



- KS1 – 420m of strike most extensive workings with three shafts, shallow pits and slots, with rock chips grades up to **6.96% Cu and 0.44g/t Au**
- KS2- a series of shallow pits over strike of around 150m, rock chip samples with Cu up to **16.65%** from limey sandstone in a shallow pit
- KS3 – shallow pit ~40m long, 20m deep and 15m wide, with rock chip samples up to **8.68% Cu and 0.18g/t Au**



High powered ground EM underway to help identify optimal drill targets





# Python Prospect

## Evidence of significant Cu-Au mineralisation 2.3km from King Solomon



Cooper rock chip samples from **1.65% to 35.3% Cu**, all with anomalous Au



Assay results from a grab sample near the shaft returned **8.53% Cu and 0.11 g/t Au** (MER048).



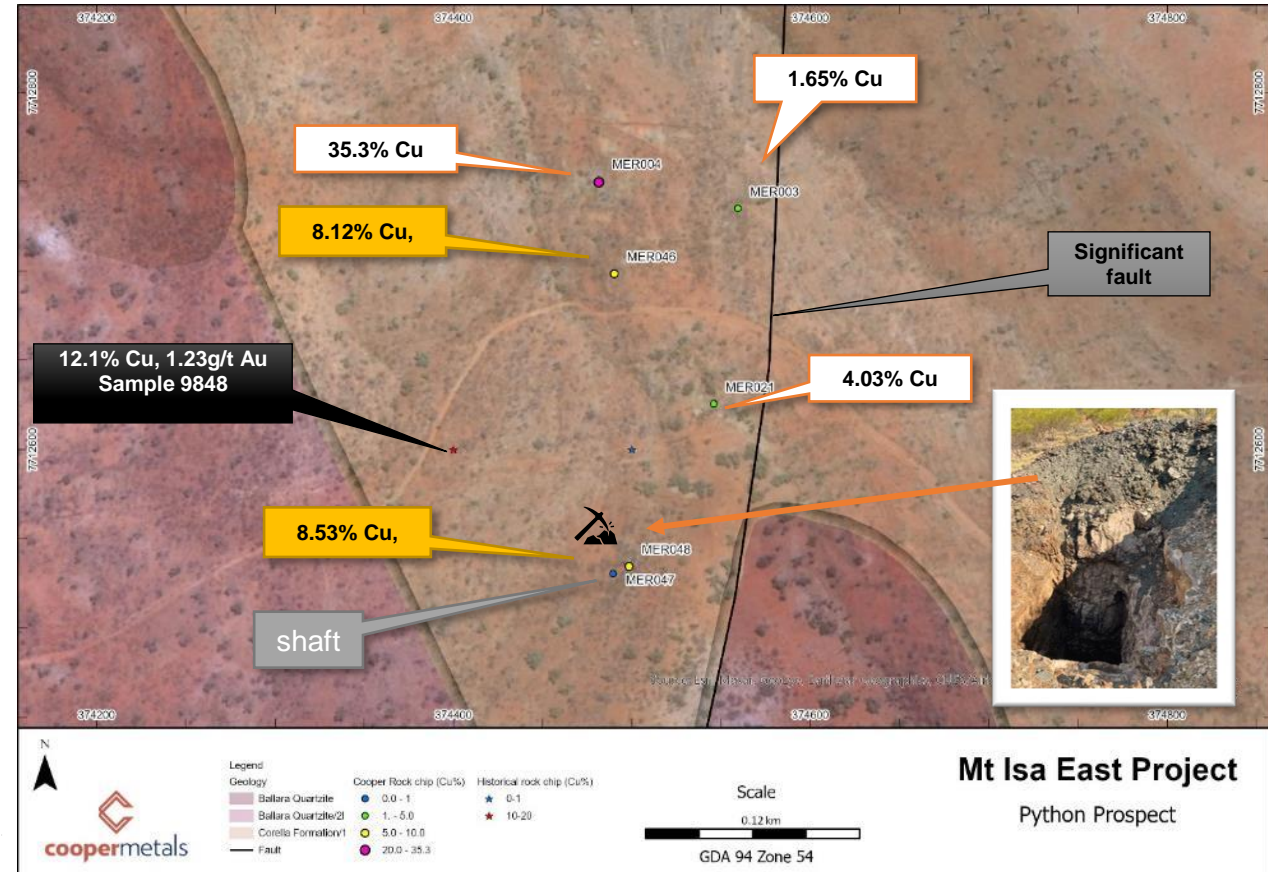
Historical sample returned **12.1% Cu and 1.23g/t Au** (Syndicated Metals)



Mineralisation has been found extending over 250m of strike at Python and appears to be associated with a north-northeast trending fault.



High powered ground EM in progress to identify optimal drill targets





# Yarraman Prospect

## Extensive historical Cu in soil anomaly



Extensive historical Cu in soil anomaly centered around Yarraman workings (two shafts)



MER057 grab sample returned **3.31% Cu** adjacent to the shaft and rock chip sample MER056 returned 1.92% Cu approximately 90m to the southwest.



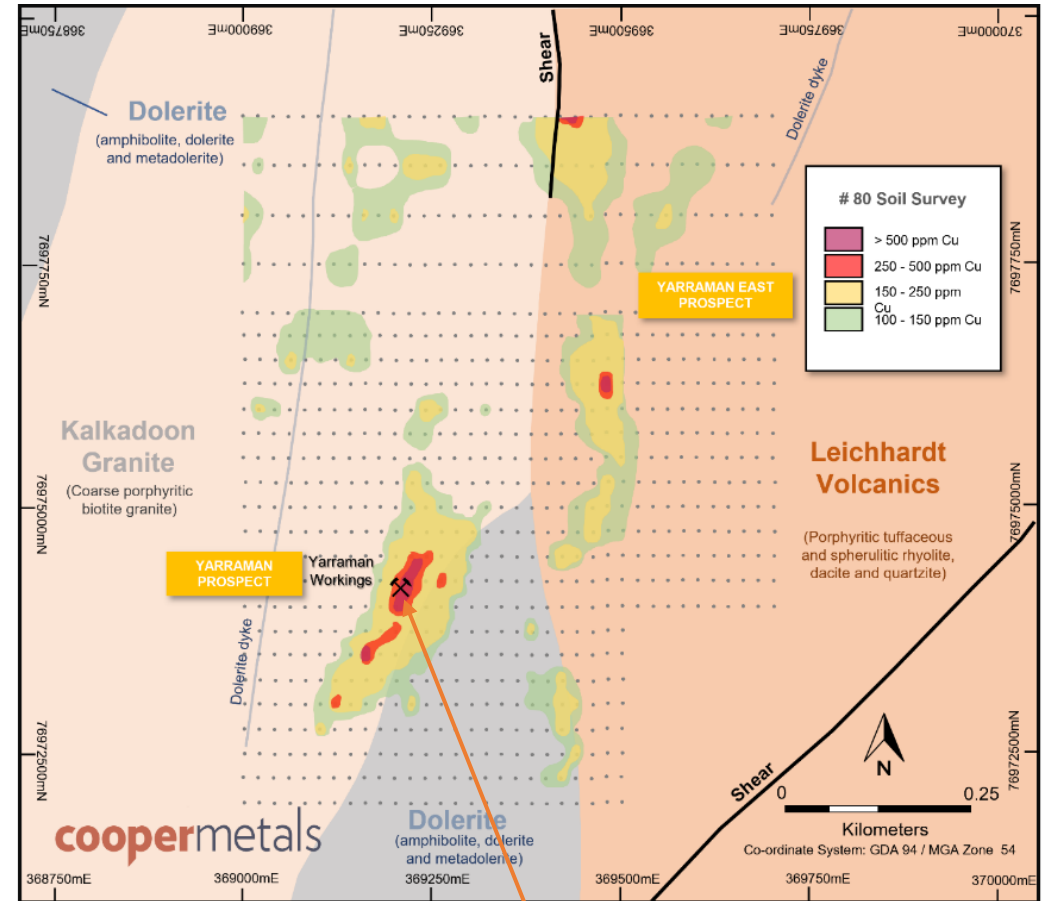
Mineralisation has formed on strongly sheared contact of the Kalkadoon Granite and an amphibolite/dolerite unit adjacent to the Leichardt Volcanics (host of Barbara Cu-Au Deposit to the north of CPMs ground)



Cu mineralisation up to **20.2% with 0.18g/t Au and 3.9g/t Ag** from rock chip sample of gossanous sheared mafic schist 640m southeast of Yarraman workings indicating the broader Cu potential of the area



Follow-up mapping and sampling and possible geophysics planned for 2022



Source CPM Prospectus September 2021

Yarraman Shaft



# Mt Isa East - Qld

## Five priority areas identified to date



Five priority camp scale targets identified in Cooper review of historical exploration results \*



Big Hill Prospect – narrow workings 140m long by 15m deep – Cu soil anomaly extends 100m north of open pit



King Solomon - Mt Zsu Sui trend,

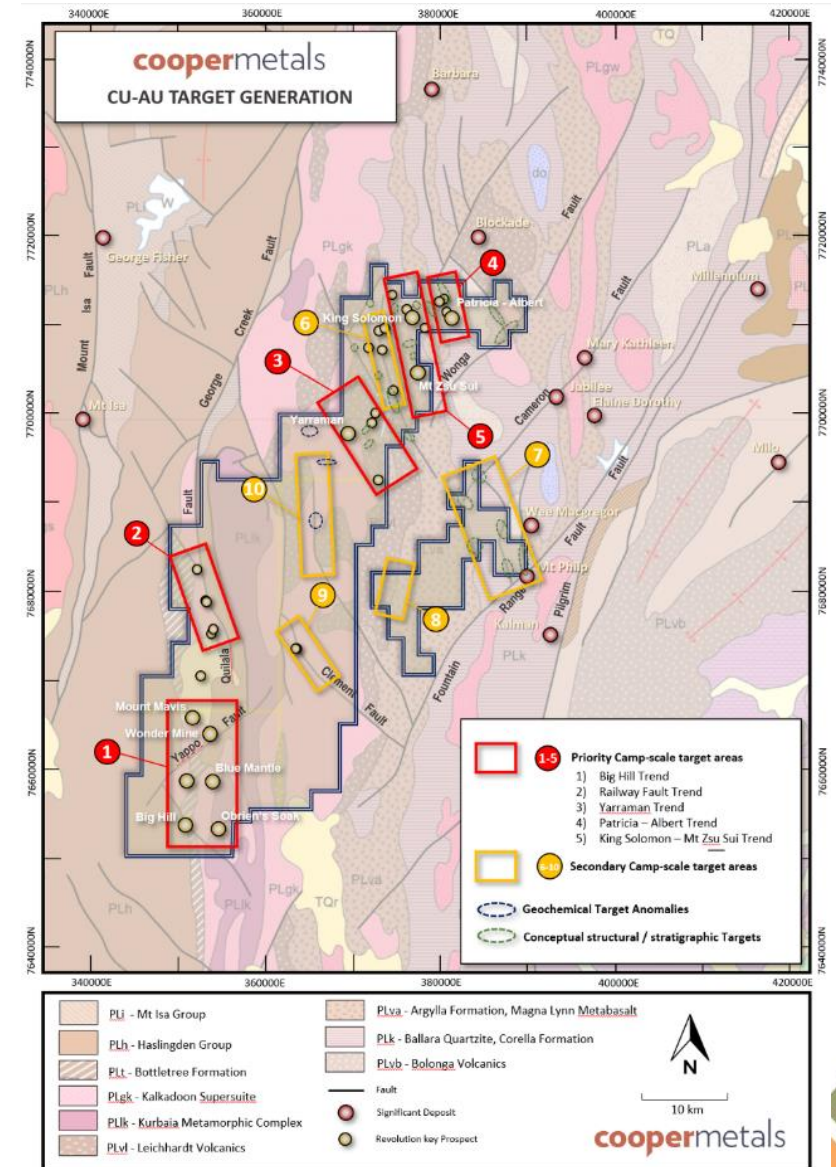
- Mt Zsu Sui – ~ 6km long Cu in soil anomaly (peak 1490ppm Cu), 7 RC holes, best result Hole 5 2m @ 1.1% Cu & 2.48g/t Au from 46m (Rough Rock Prospect)
- King Solomon 1.5km long – past production 894 tonnes @ 5.3% Cu



Mt Albert – 1.5km long Cu anomaly in soils (>50ppm Cu), CPM rock chip samples up to **7.96g/t Au** from iron oxide breccia outcrop



First detailed airborne electromagnetic survey planned for early June Quarter to identify anomalies potentially due to copper sulphide mineralisation







# Yamarna Gold Project - WA

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



140 km east of Laverton in Yamarna District WA



Yamarna Terrane- newly discovered gold region, remains underexplored



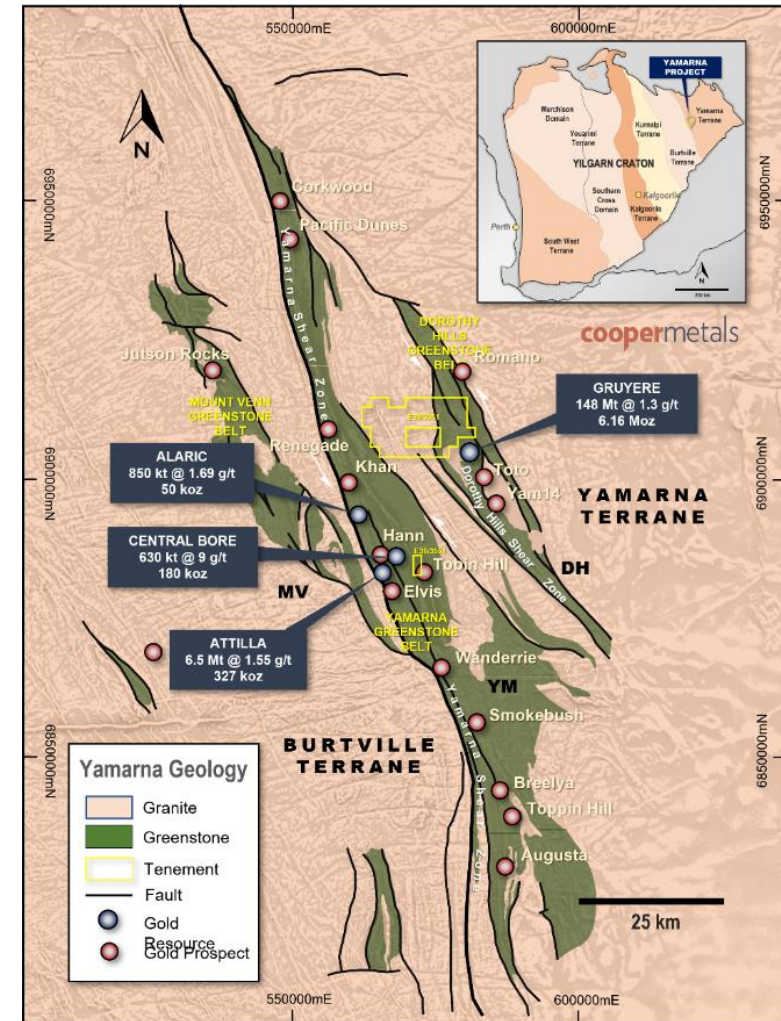
Cooper have two tenements totalling ~ 171sqkm hosting prospective greenstones



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.



# Yamarna Gold Project – WA

## E38/3551 – a stones throw from Gruyere



Cooper's northern tenement E38/3551 covers part of the prospective **Dorothy Hills Shear Zone** (DHSZ) just north of Gruyere



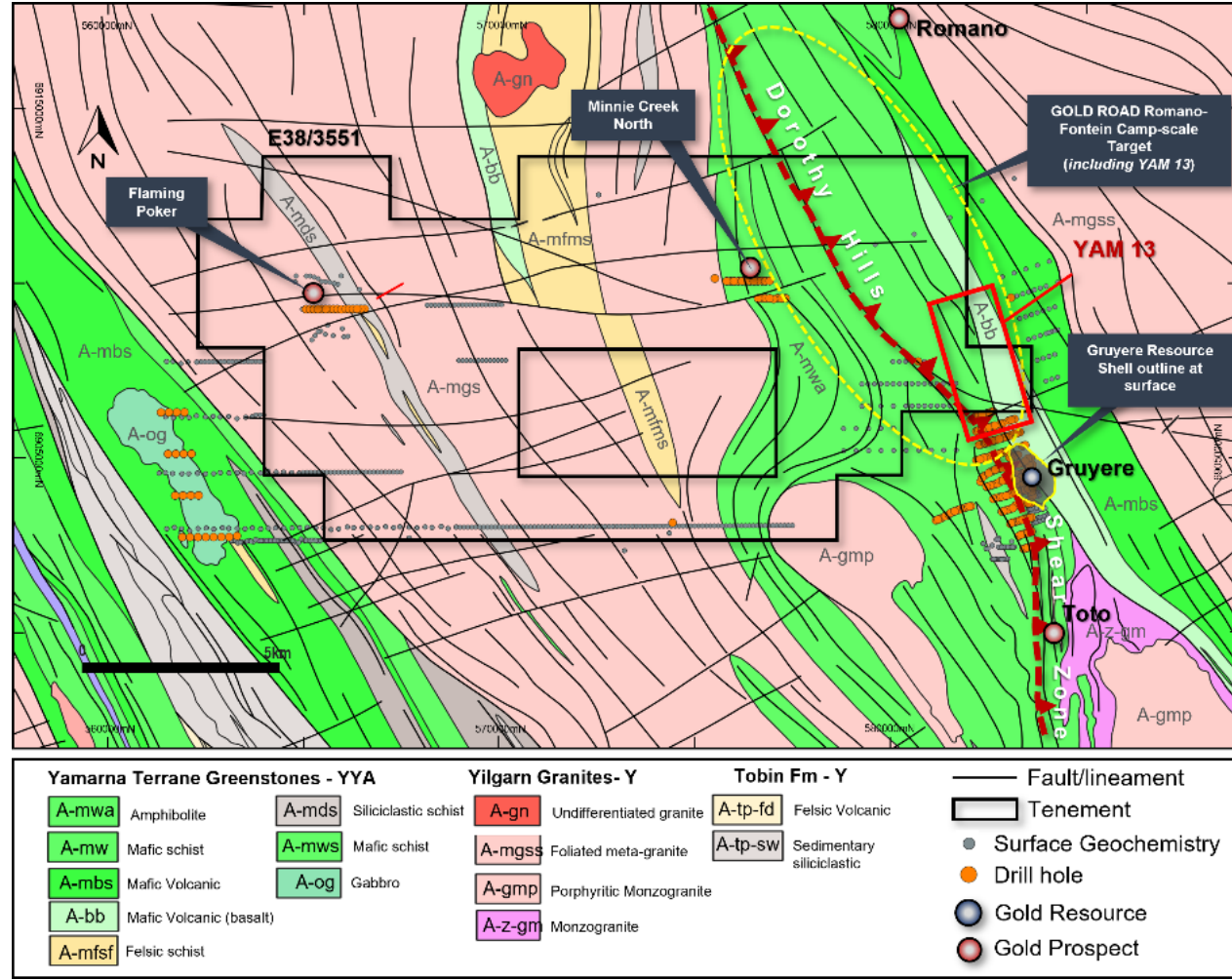
Historical exploration has been hampered by aeolian cover sequences in the past



Potential dilatational zone – trap site interpreted from geophysics along DHSZ



Systematic exploration planned for 2022 to deliver results





# Gooroo Cu-Au Project - WA

## Extensive unexplored Greenstone Belt



Newly identified greenstones (GSWA 2020 500K geology map)



20km south of Silver Lakes Deflector mine (**1.2\* Moz Au @ 13.5 g/t & 3Mt @ 0.8% Cu**)<sup>1</sup>



Well located, close to infrastructure



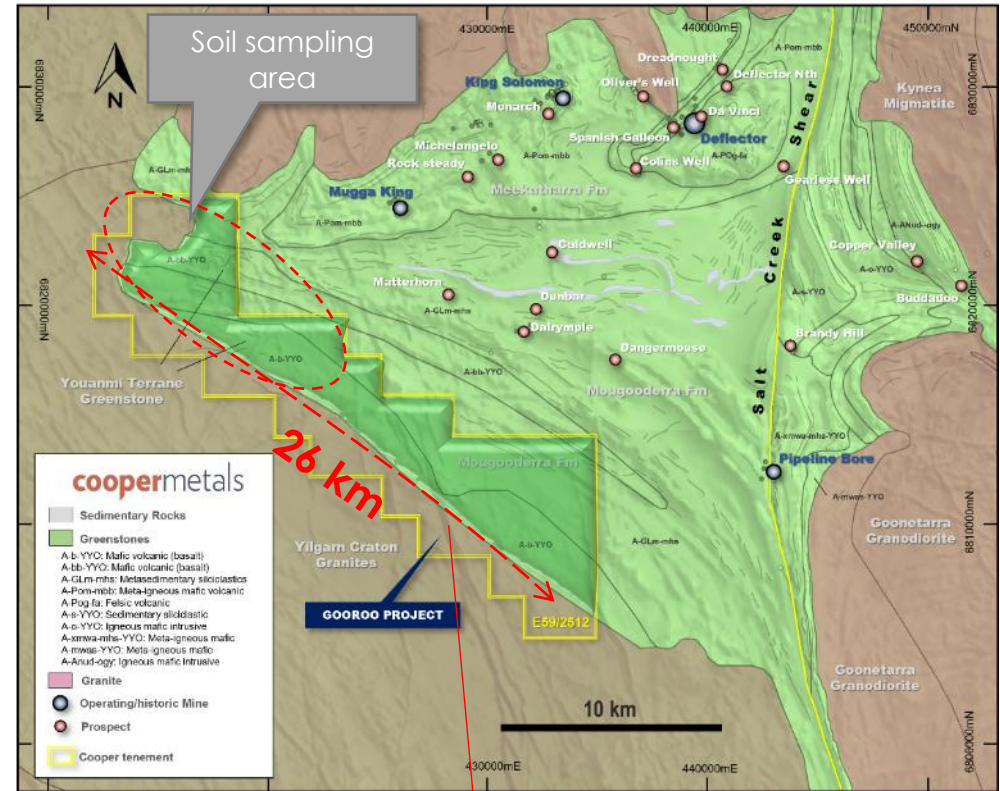
Numerous gold and copper occurrences in the area



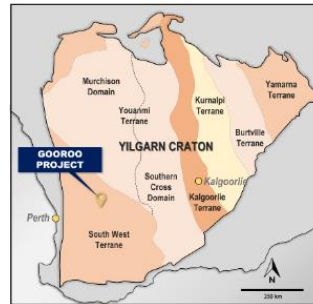
Gooroo area outcropping greenstone through to under cover = huge opportunity



Regional soil sampling completed in December 2021 and assay results expected shortly



Newly identified greenstones undercover (GSWA 2020 500k geology)





# Cooper Metals - Key Takeaways



Cu-Au explorer with three highly prospective Cu-Au and Au Projects in Qld and WA



Underexplored tenure - all located in proven mineralized terranes



Building a commanding tenement position in the Mt Isa Inlier and a busy schedule underway for 2022



Strong pipeline of early-stage targets to follow up



Well funded and year-round news flow from three Projects areas



Share price strongly leveraged to exploration success



# 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.



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# References & Competent Person Statement



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

1. Cooper Minerals Ltd Prospectus September 20, 2021
2. 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
3. ASX CPM: 9 December 2021: Further strong assay results from Mt Isa East Cu-Au Project
4. ASX CPM: 24 January 2022: High powered ground geophysics commences at Mt Isa East Cu-Au Project
5. ASX CPM: 31 January 2022: December 2021 Quarterly Activities Report
6. ASX CPM: 7 February 2022: Follow-up rock chip sampling continues to demonstrate wide-spread Cu and Au mineralisation at Mount Isa East



## **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.