

# Investor Presentation

Specialised Undercover Explorers  
and Project Generators

June 2023



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This announcement has been approved for release by the Board of Strategic Energy Resources.

# Corporate Overview

Tight capital structure with an invested team

## Capital Structure

Share Price (22/06/23)	1.5c
Shares on issue	296M
Market cap.	\$4.7M
Cash (31/03/23)	\$0.5M

## Major Shareholders

Graeme Kirke	15%
Datt Capital	13%
Board & Management	11%
Top 20	57%

## Board & Management



**Stuart Rechner**  
Executive Chairman  
BSc (Geology) LLB MAIG  
MAusIMM MSEG GAICD



**David DeTata**  
Managing Director  
BSc MSc PhD (Chemistry) MBA  
GAICD AAusIMM



**Anthony McIntosh**  
Non-Executive Director  
BCom GAICD



**Neil Chalmers**  
Exploration Manager  
BSc MSc (Geology) MAIG



**Chris Yeats**  
Manager, NSW  
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# Our Strategy

## Specialised Undercover Explorers and Project Generators



### SCIENCE DRIVEN

Internal project generation; Leverage pre-competitive data;  
Targeting Tier-1 Ni-Cu-Au discoveries undercover along known mineralised terrains

### TECHNICAL EXCELLENCE

Geophysics is the key dataset to explore undercover; Collaborate with industry experts;  
Proven exploration success at depth

### SHARE RISK & REWARD

Pursue co-funding grants; De-risk Greenfield projects; Maintain exposure to exploration upside; Return cash to fund ongoing project generation



# Fortescue Farm-in Joint Venture

The rigs will be spinning next quarter...

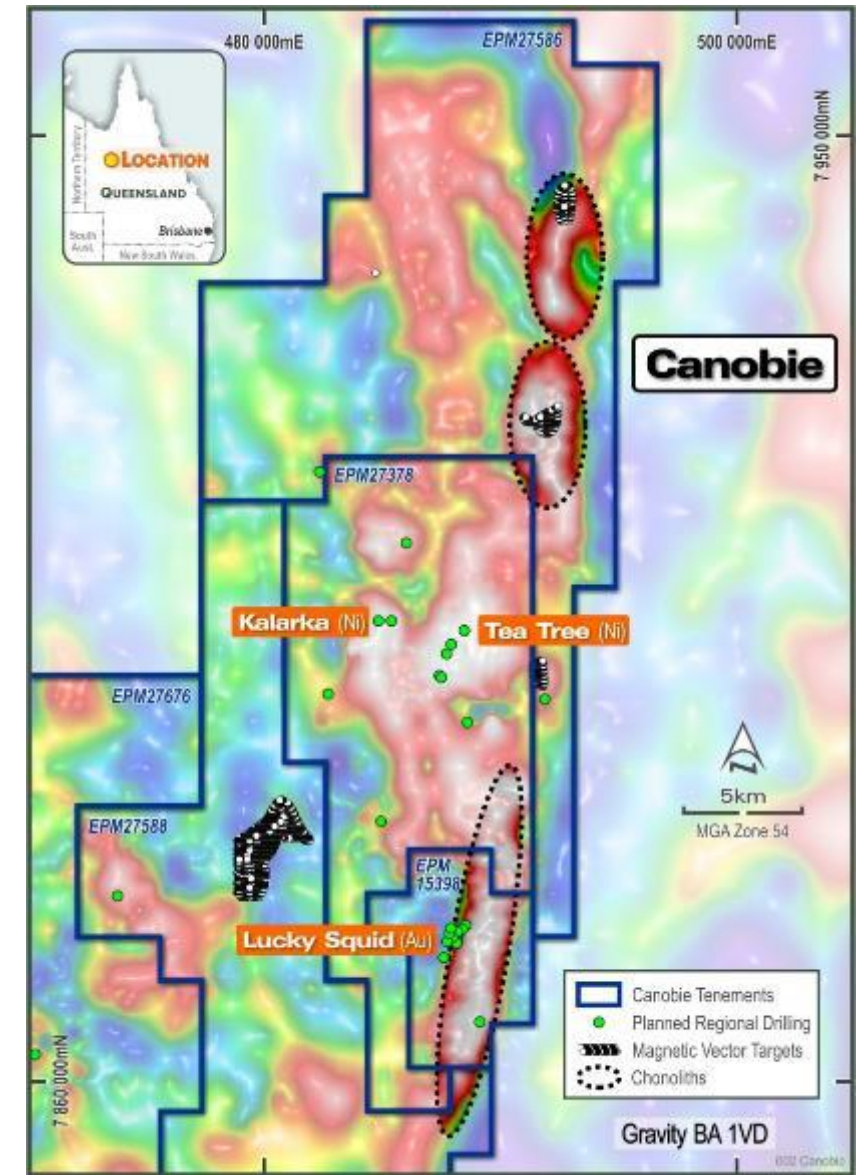
**Stage 1:** FMG to earn 51% by spending \$4M on exploration which must include drilling a **minimum of 3,000m of basement** within the first three years

- SER to conduct all exploration allowing for rapid deployment
- Minimum of \$2.5M in expenditure on exploration within the first 2 years
- Drilling through cover not counted towards basement drilling requirement thus 3,000m will allow testing of multiple new targets or multiple holes/target

**Stage 2:** FMG may earn an additional 29% by spending an additional \$4M over 3 years including a **minimum of 3,000m of additional basement** drilling

- Following FMG earning the Stage 2 interest an 80/20 JV will be formed
- SER to contribute 20% of expenditure or interest diluted via standard formula; SER's historical expenditure recognised for dilution calculation
- If economic deposit discovered and decision to mine made, Mining Lease (ML) area excised from JV and SER may join development or sell interest in ML area

**Proposed 2023 exploration program to include drill testing 1x Magmatic Ni & 3x IOCG targets & DHEM with additional geophysics to define future drill targets**

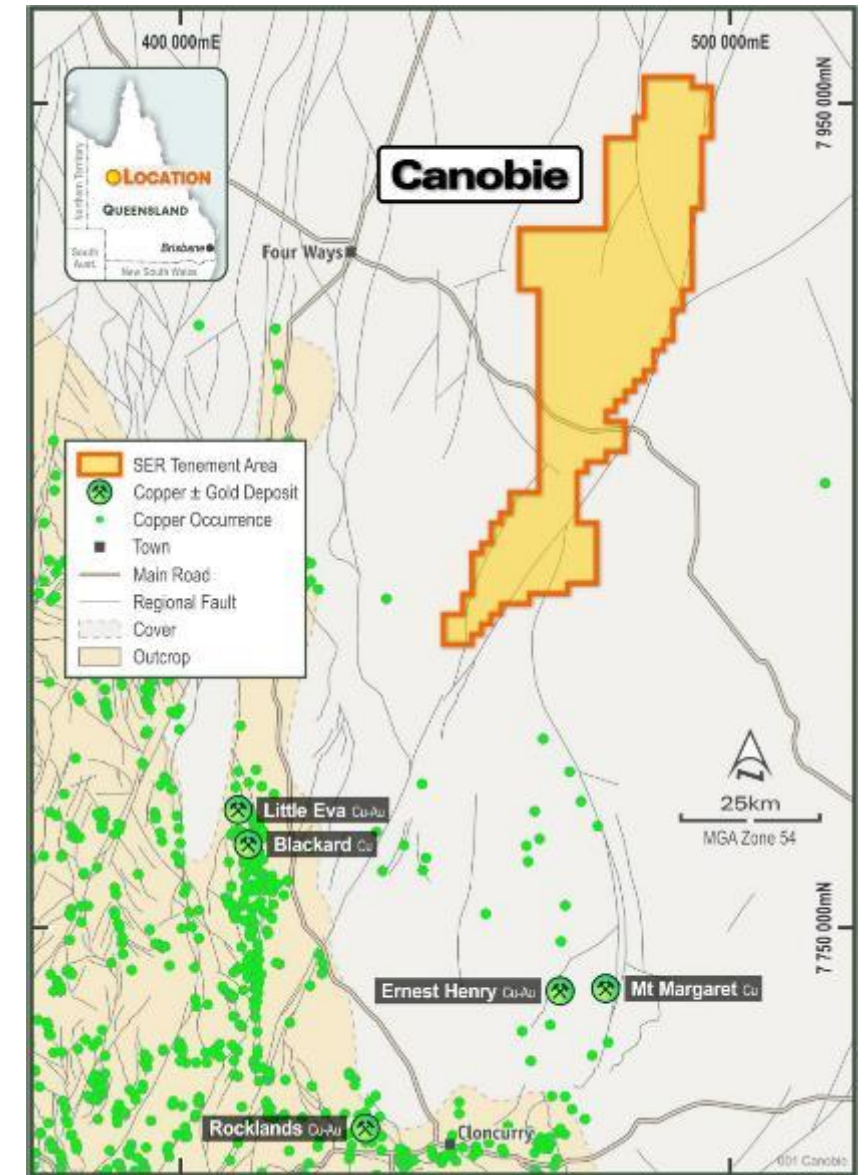


# Canobie Ni-Cu + Cu-Au Project

## A Forgotten Polymetallic Province

- High-grade Gold intercepts drilled at the Lucky Squid Prospect including;
  - 2008 Anglo American: SXDD005 - **17m @ 6.75g/t Au** from 631m
  - 2010 AngloGold Ashanti: SXDD014 - **15m @ 9.09g/t Au** from 699m
  - 2019 SER: SXDD020 - **6m @ 12.08 g/t Au** from 519m **incl. 2m @ 32g/t Au**
- Significant Nickel intercepts at the Tea Tree and Kalarka Prospects including;
  - 1994 MIM Exploration: TT001D - **10.4m @ 0.25% Ni, 0.28% Cu** from 508.2m
  - 2021 SER: CNDD001A - 132m @ 0.1% Ni from 507m incl. **2m @ 0.68% Ni**, 0.17% Cu from 635m
  - 2021 SER: CNDD002 - 43m @ 0.1% Ni from 615m and **0.6m @ 0.96% Ni**, 0.11% Cu from 661.6m<sup>1</sup>
- Gravity survey & Magnetic Remanence study identified numerous clusters of vector magnetic anomalies coincident with **interpreted chonoliths**<sup>2</sup>
- Chonolith style intrusions are analogous to those seen in globally significant Nickel deposits including Noril'sk – Talnakh (Russia), and Nova-Bollinger (W.A.)

**FMG funded drill program for 2023 set to follow up the Nickel intersection encountered in the 2021 drill program and test multiple new IOCG targets**



<sup>1</sup> ASX SER Announcement December 2021

<sup>2</sup> ASX SER Announcement November 2022



# Isa North Cu-Au Project

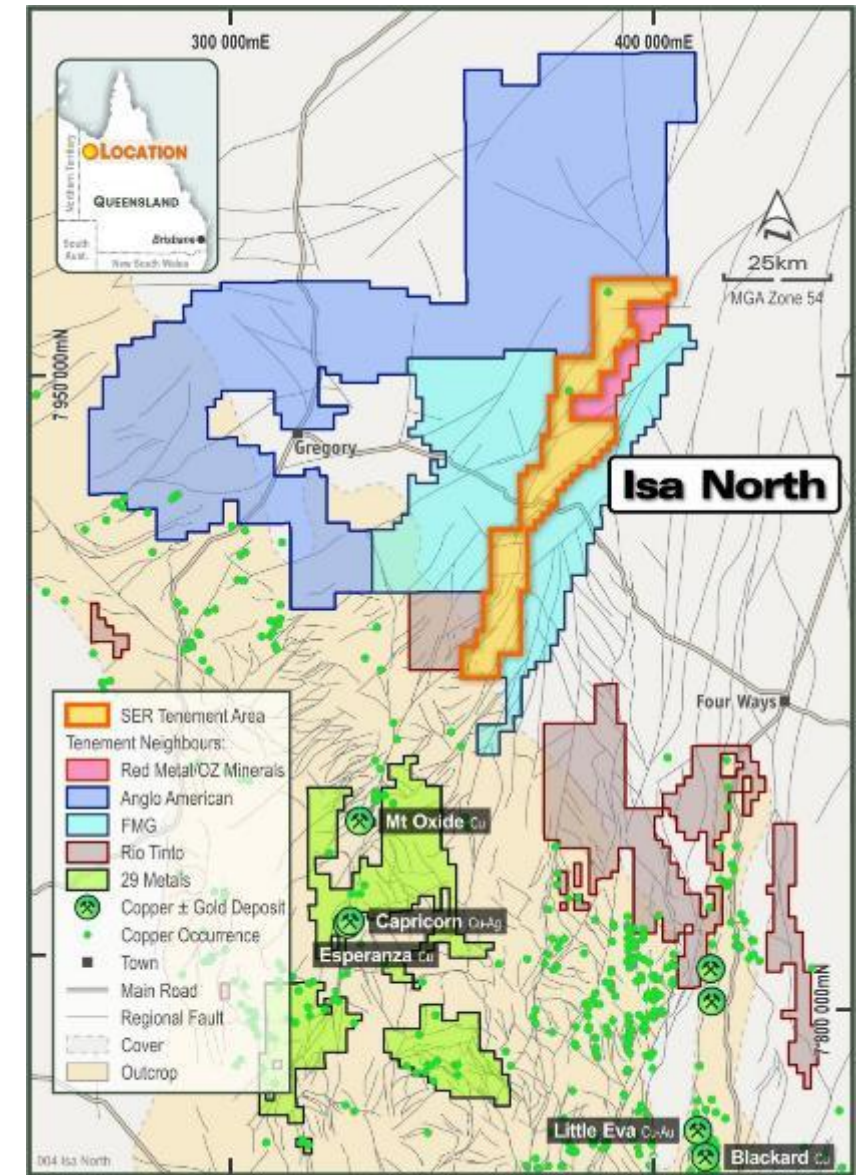
## First mover advantage

- Acquired from Newcrest in 2021; Newcrest retain a FROR and 1% NSR (10yrs)<sup>1</sup>
- Newcrest drilled (5,190m) across 4 targets; Lorraine North (INMD001) identified as a near-miss;
  - Chalcopyrite in hydrothermal breccia and carbonate veins<sup>2</sup>
  - **Interpreted Tier-1 halo intercept** within a >5km hydrothermal system – High Priority Target
- Follow-up drilling was hindered due to landholder access – SER has secured
- 2021 Red Metal Limited (ASX:RDM) intersected 44.4m of hydrothermal ironstone and breccia (GTK2101), Cu assay numbers up to 0.34% provided proof of concept<sup>3</sup>; subsequent interpretation being typical of proximal to an IOCG setting<sup>4</sup>

## Multiple IOCG targets identified – Diamond drill program scheduled for this year

- Entire region since secured by Fortescue, Rio Tinto and Anglo American

## Magnetotelluric (MT) survey in search of alternative mineralisation styles



<sup>1</sup>ASX: SER Announcement: May 2021

<sup>2</sup>ASX: SER Announcement April 2022; <sup>3</sup>ASX: RDM Announcement January 2022

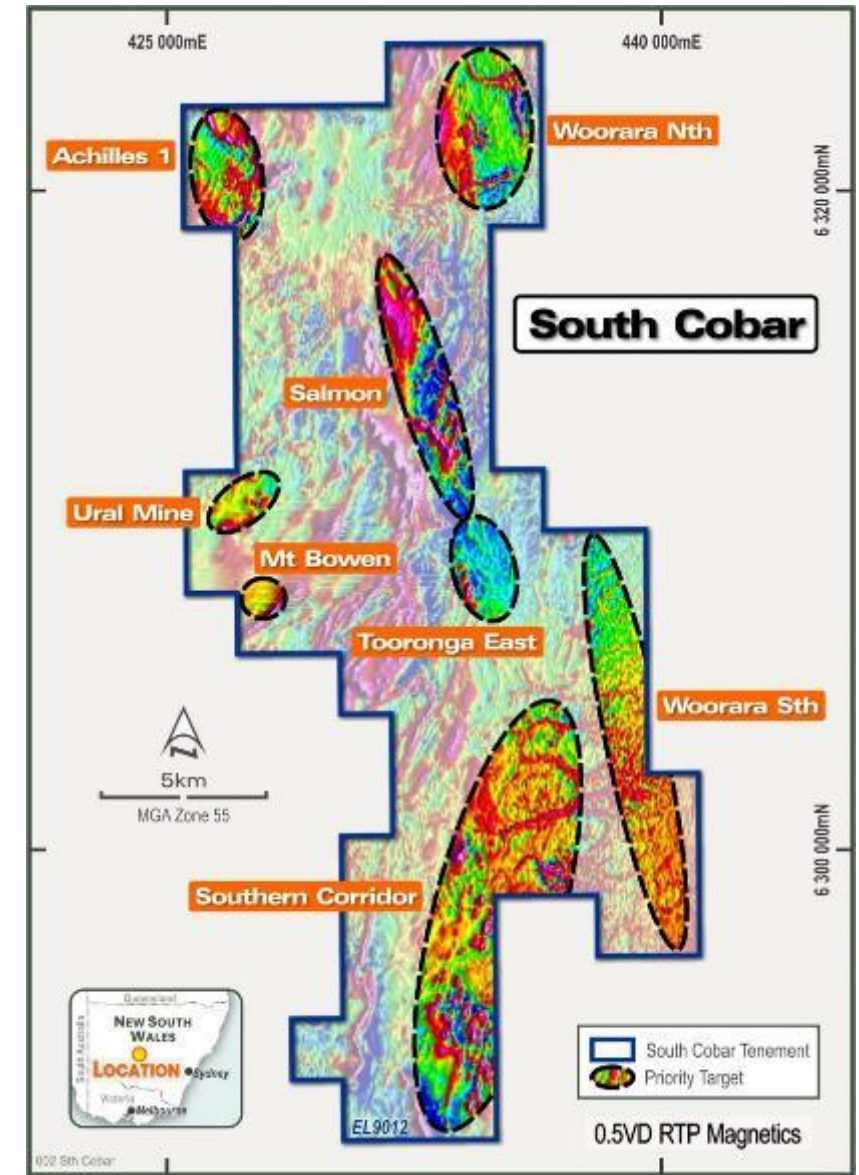
<sup>4</sup>ASX: RDM Announcement January 2023

# South Cobar Cu-Au Project

## The next exploration 'Hot-spot'

- Located at the southern end of a proven mineral region hosting the Federation Deposit (ASX:AMI) and the CSA Copper Mine (Metals Acquisitions Corp)
- Eight priority targets identified from a detailed magnetic survey; three outcrop
- **Achilles 1:** Southern end of a major shear zone - priority target;
  - 2005 Western Plains Gold (WPG): DDH-A1-2 (300.4m) intersected a zone of intense hydrothermal alteration, peak values of 0.33% Cu from 90 to 92m, **within a 64m zone averaging 0.10% Cu, from 76m to 140m proximal to soil anomaly – never followed up**
  - DDH-A1-1 abandoned due to caving at 184.1m – failed to reach target depth
- 2021 Australian Gold and Copper (ASX:AGC) intersected **85m @ 0.13% Cu** from 165m in an RC hole from Achilles 3 to the north along the Achilles shear<sup>2</sup>
- 2022 *Ultrafine+*<sup>TM</sup> soil geochemistry program identified a significant coincident Cu-Au and multi-element anomaly – 800m strike extent gold in soils anomaly<sup>2</sup>
- GSNSW New Frontiers Drilling grant (**\$120k**) secured; drill pads cleared

**Diamond drill program to test Achilles 1 Cu-Au Prospect this year**



<sup>1</sup>ASX: AGC Announcement September 2021

<sup>2</sup>ASX: SER Announcement June 2021



# Multiple Near Term Price Catalysts

High impact drilling set to start in Q3 ...

## CANOBIE FJV (FMG Earn-in)

- June - Refine drill targets
- July - Native Title surveys
- **August - Drilling begins**
- **October – First Assays**

## ISA NORTH - NARDOO –

- ✓ Landholder access secured
- August – Site Preparations
- **Drilling post Canobie; first assays before end of year**

## SOUTH COBAR - ACHILLES 1 –

- ✓ Prospect targeting complete
- ✓ Landholder access secured
- ✓ Earthworks complete
- **Drilling set for Q1 2024**





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## For further information

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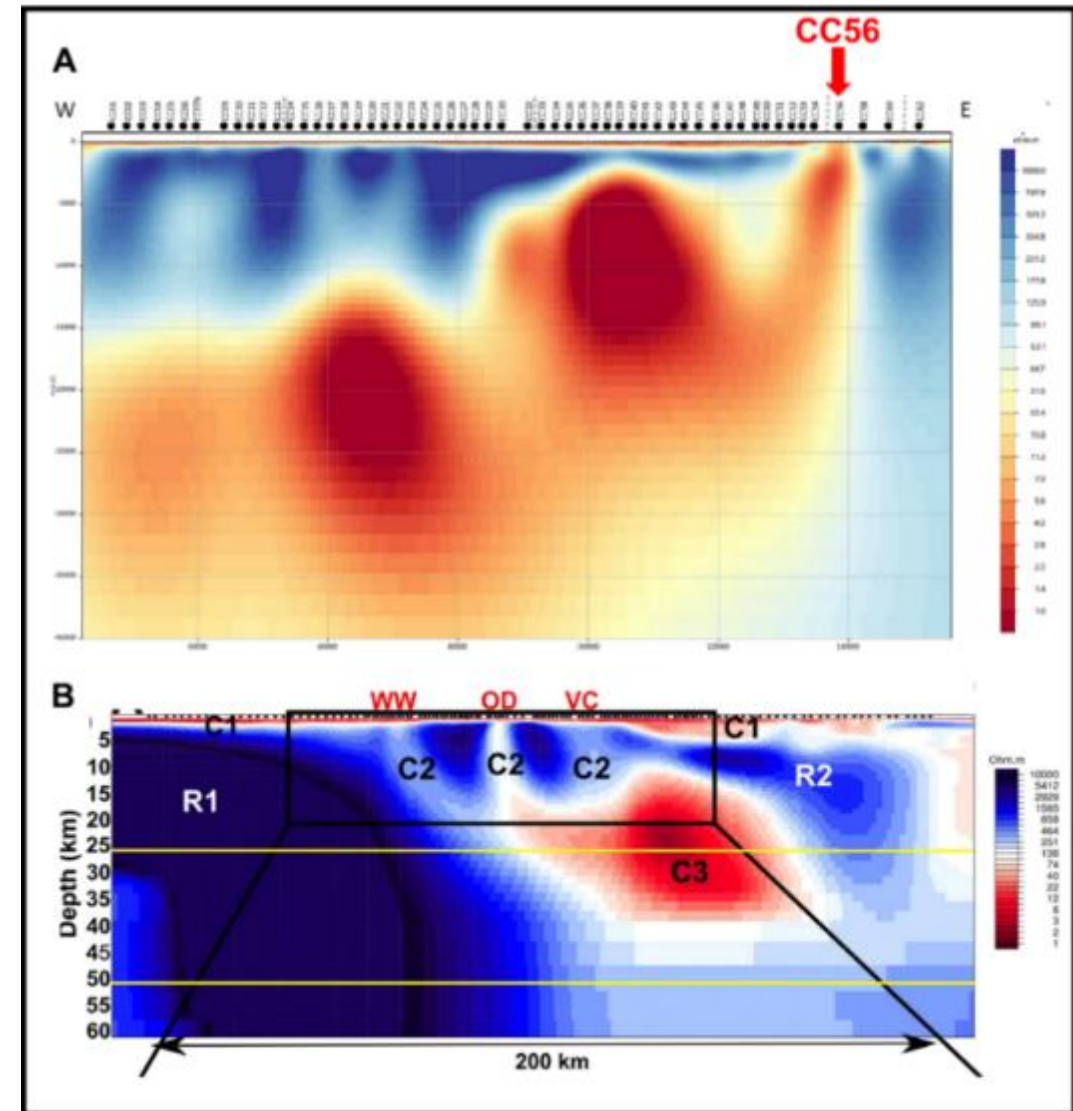


# Mundi Cu-Au Project

## A true Greenfields project

- Located 150km NNW of Broken Hill within a known IOCG mineral province; covering over 200km<sup>2</sup> of the Curnamona Province
- Greenfields project with sparse exploration and a single drillhole
- Large crustal Conductivity Anomaly identified in the lower- to middle-crust by the 55km-spaced AusLAMP long period MT survey in 2016
- Resolved in the upper crust by the 2km- to 4km- spaced Curnamona Crustal Magnetotelluric Transect (CCMT) survey in 2017
- ‘Finger-shaped’ conductor identified in the CCMT, closet to the surface at station CC56, with strong similarities to MT conductivity anomalies that have been demonstrated to be associated with IOCG mineralisation within the Gawler Craton<sup>1</sup>
- Landholder agreement in place, site visit completed in June

**Co-funded (\$50k) MT survey to define the conductor scheduled for Q3**



(A) 2D resistivity model to a depth of 40km of the CCMT transect that crosses Mundi from Kay et al. (2019).  
 (B) 2D resistivity model to a depth of 60km across the Gawler Craton from Heinson et al. (2018). Note the similarity between feature C2 under Wirrda Well (WW), C2 under Olympic Dam (OD), C2 under Vulcan and the feature under station CC56 of the CCMT transect, which lies within the Mundi Exploration Licence

<sup>1</sup> ASX: SER Announcement January 2022



# Myall Creek Copper Project

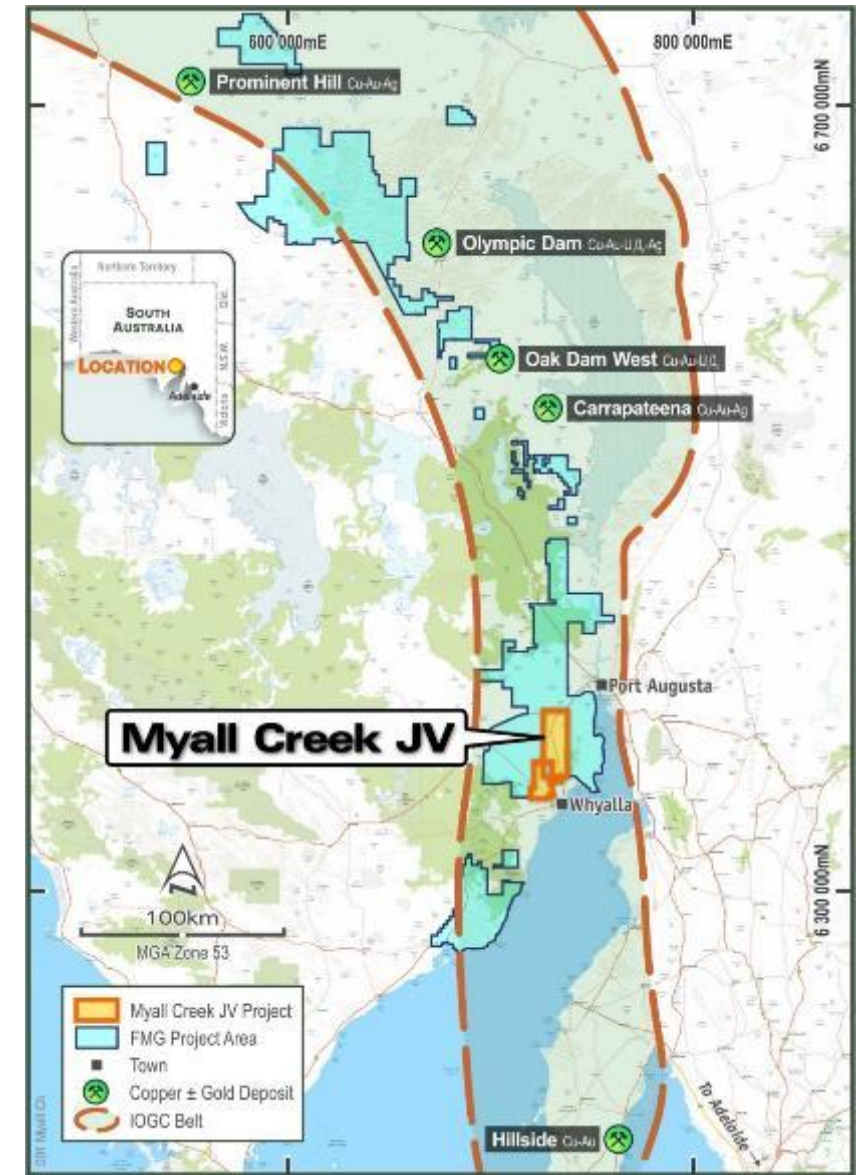
## Fortescue Earning-in

- Compelling exploration project in the Olympic Copper-Gold Province, home to giants including Olympic Dam, Prominent Hill and Carrapateena and recent discovery at Oak Dam
- Targeting IOCG mineralisation in the Proterozoic basement and sediment hosted copper mineralisation in overlying sediments
- Over 15km strike length sediment-hosted copper sulphide hosted in the basal units of the Tapley Hill Formation – surrounded by Fortescue

## Fortescue Farm-in Joint Venture

- \$1.5M spend over 5 years, with a minimum of 1,500m of drilling for 80%; standard industry dilution post Earn-in<sup>1</sup>
- Detailed magnetic / radiometric survey (2019), Native Title Agreement signed (2022), Ground gravity survey completed; Modelling underway

**Earn-in requires multiple drill holes to test identified targets**



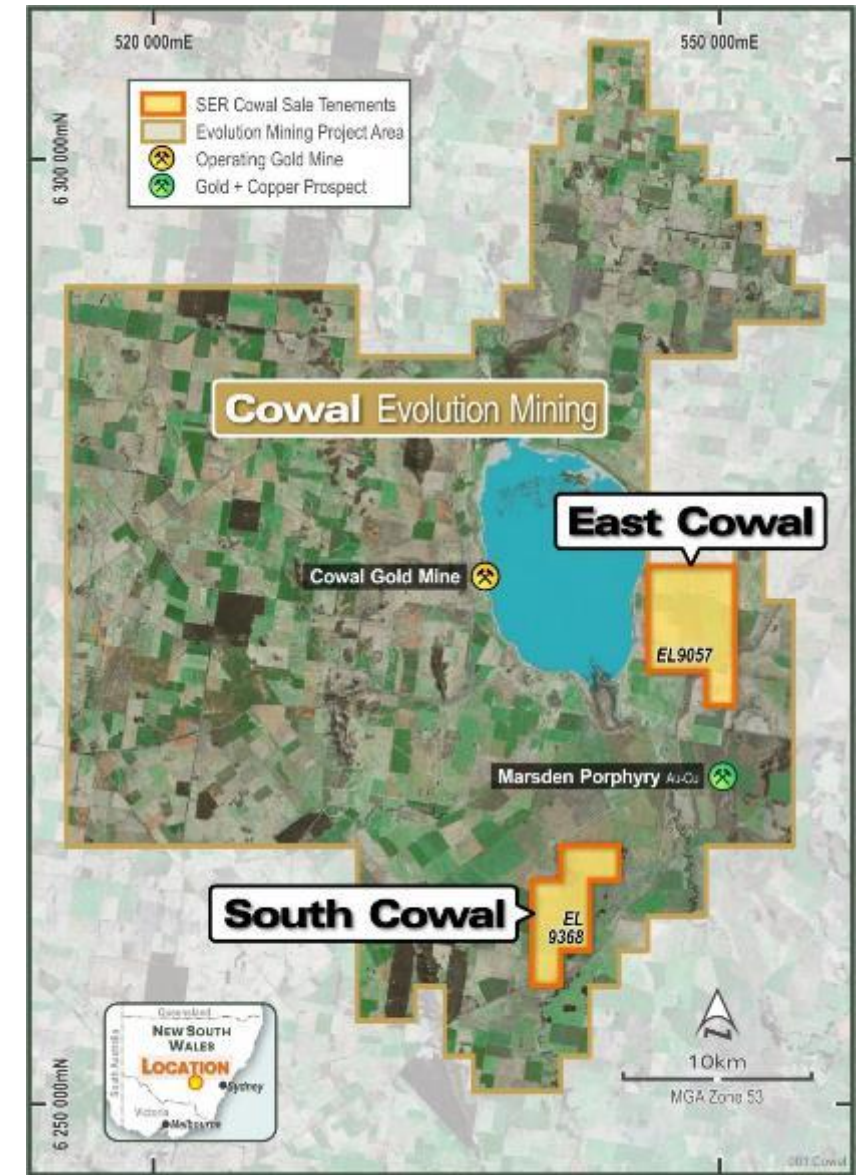
<sup>1</sup>ASX SER Announcement March 2020

# Cowal Gold Projects

## Evolution Option Agreement

- Located within the Cowal Igneous Complex, nearby Evolution Mining's >11Moz Cowal Gold Mine and the >1Moz Marsden Cu-Au deposit
- Projects located in open ground – secured through competitive tender process
- 2-year Option to purchase EL9368<sup>1</sup>, \$300k Option fee, \$1M cash to exercise
- Cash from Option Agreement to fund ongoing exploration program at East Cowal and additional NSW projects

**Evolution forward exploration activities in 2023 may include additional geophysics and/or drilling**



<sup>1</sup>ASX SER Announcement September 2022

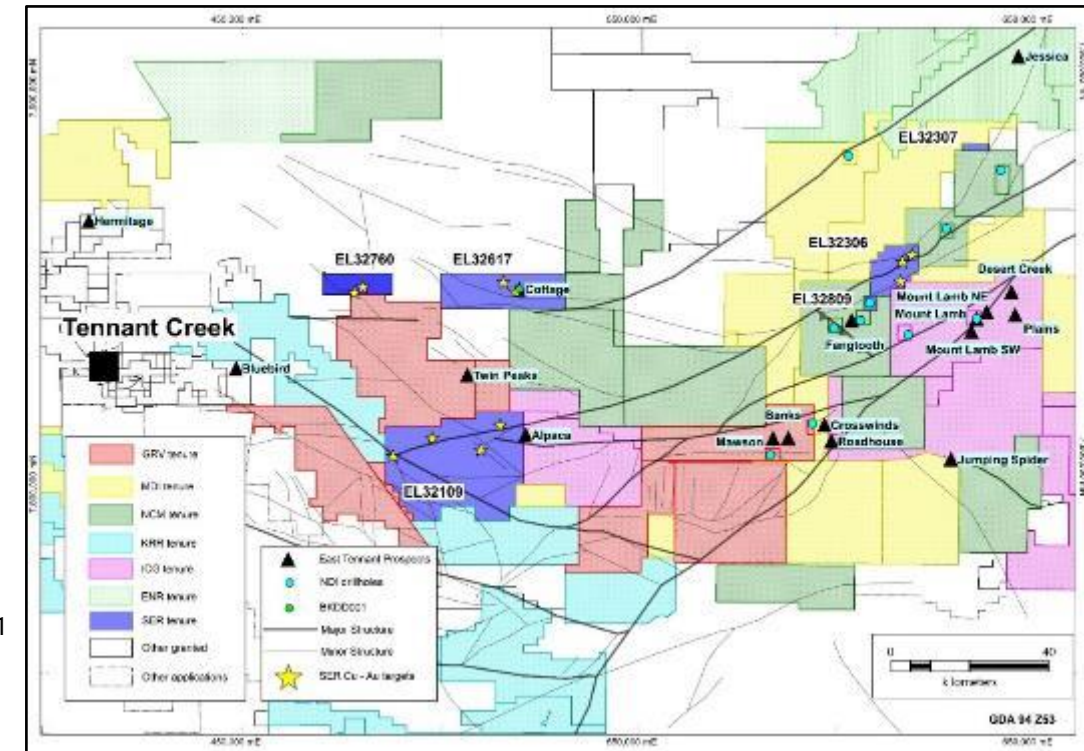
# East Tennant Cu-Au Project

## Project Sale to Middle Island Resources



- Located between the major Cu-Au districts of East Tennant and Mt. Isa, covering 1300km<sup>2</sup> and hosting numerous gravity and magnetic targets
- Greenfield projects secured following Geoscience Australia's Exploring for the Future (EFTF) Program; \$100M investment in precompetitive data
- Co-funded gravity survey and diamond drill program at the Cottage Prospect; nine further compelling gravity targets yet to be tested
- Encouraging results at the Crosswinds Prospect (ASX:MDI); Copper anomalism in water bore samples at Jessica (ASX:ENR); majors holding significant ground in the region (ASX:NCM)
- Tenement Sale Agreement with Middle Island (ASX:MDI) for 14.9% of SOI<sup>1</sup>

**Provides early and ongoing exposure to an East Tennant focused, competent explorer prior to further exploration across the region**



<sup>1</sup>ASX SER Announcement May 2023