



 **Investor Presentation**

Leaders in Frontier Exploration

September 2022

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Competent Person Statement

The information in this presentation that relates to Exploration Results is based on information compiled by Mr Stuart Rechner BSc (Geology) MAIG MAusIMM, a Member of the Australian Institute of Geoscientists and the Australasian Institute of Mining and Metallurgy. Mr Rechner is a Director and shareholder of Strategic Energy Resources Limited. Mr Rechner has sufficient experience which is relevant to the styles of mineralisation and types of deposits 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 Rechner consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.



Exploration Strategy

Greenfields Explorer and Project Generator

Exploring the Undercover Extensions of Known Mineralised Terrains

- ✓ Canobie Project: > 100km of the N/S swath of the Quamby fault within the Mt Isa Eastern Succession, a proven mineral region which hosts the Ernest Henry Mine (ASX:EVN) 140km to the south
- ✓ Isa North: > 80km of strike along northern extension of Mt Gordon fault which hosts the Capricorn ore bodies (ASX:29M) 70km to the southwest
- ✓ South Cobar: > 280km² of tenure in the South Cobar Basin, capturing the extensions of the Woorara Fault, bordering Eastern Metals (ASX:EMS) Browns Reef polymetallic deposit
- ✓ East Tennant: > 1300km² of tenure covering multiple gravity/magnetic targets between Tennant Creek and Mt Isa mineral fields

Accelerating Exploration through Partnerships and Divestments

- Farm-in and JV with Fortescue Metals Group (ASX:FMG) at Myall Creek, SA
- JV with Strategic Caldera at Mabel Creek in Gawler Craton, SA
- Awarded six competitive grants worth >\$600k in the last three years
- Project divestments used to offset greenfield's exploration



Corporate Snapshot

Capital Structure

Shares on Issue	284M
Unlisted Options	11.8M
Market Cap	\$5.7M (at 2.0c ¹)
Cash²	\$1.0M
Assets	ASX: RML: 13M Shares Ionic Industries - 6.5% (unlisted)

Major Shareholders

Graeme Kirke	15.6 %
	13.6 %
Rechner Group	8.0 %
Top 20 Shareholders	~ 55 %

Board and Management



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



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



Anthony McIntosh
Non-Executive
Director
BCom GAICD

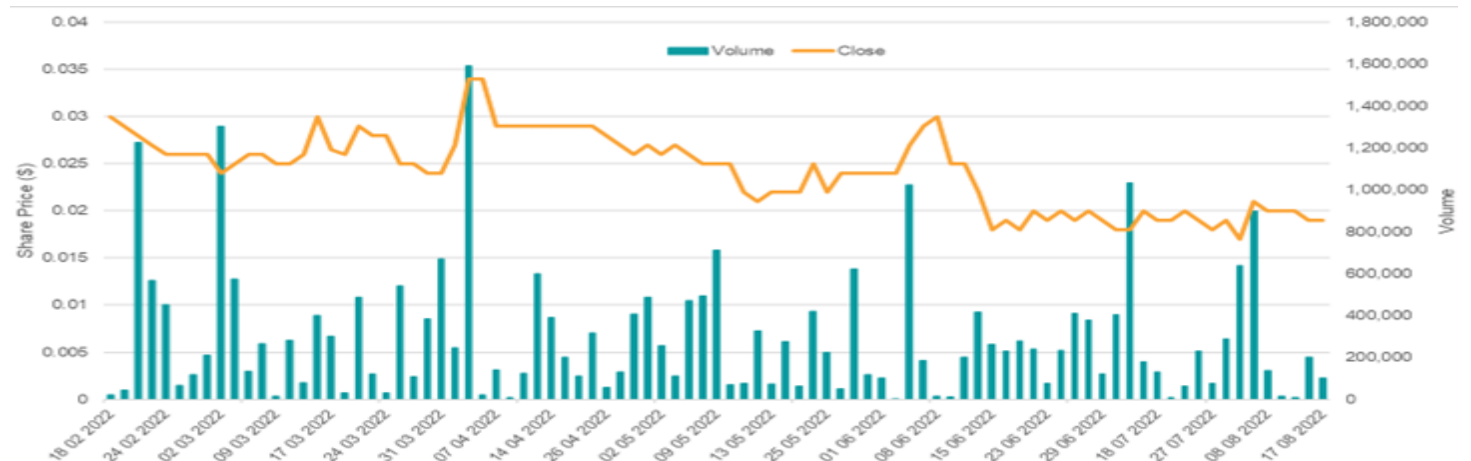


Neil Chalmers
Exploration Manager
BSc MSc (Geology)
MAIG



Dr Chris Yeats
Exploration Manager, NSW
BSc PhD (Geology) MAIG

Share Price Chart



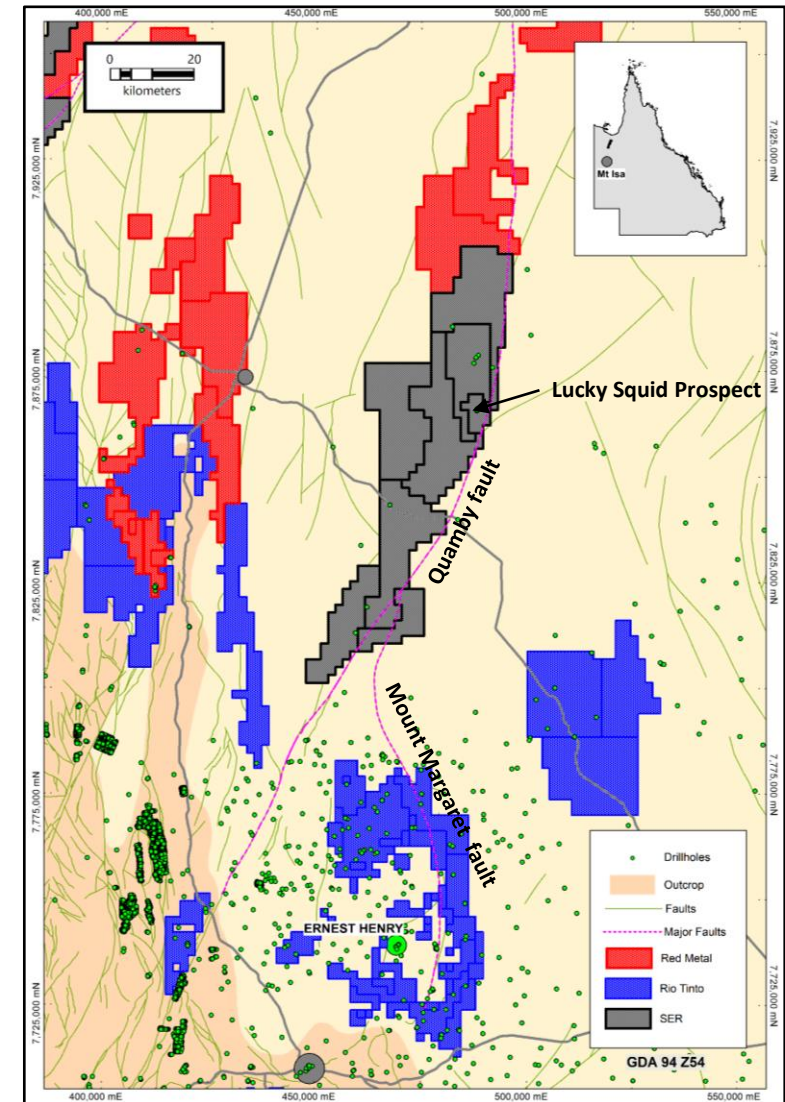
¹Closing price on 2 September 2022

²Cash balance at 1 September 2022

Canobie Domain, QLD

A Forgotten Polymetallic Province

- Located 150km NE of Cloncurry in Queensland's northwest Mineral Province
- Eight exploration licences covering over 1,800km² within the Mt Isa Eastern Succession, including a 100km N/S swath of the Quamby fault
- Mt Isa Eastern Succession is a proven mineral region, which hosts Evolution Mining's giant Ernest Henry Copper-Gold mine located 140km to the south
- 2016 SER acquired the Lucky Squid Gold Prospect, historical intercepts included:
 - 2008 Anglo American: SXDD005 - **17m @ 6.75g/t Au** from 631m
 - 2010 AngloGold Ashanti: SXDD014 - **15m @ 9.09g/t Au** from 699m
- 2019 SER drilled a single drill confirming continuity of high-grade gold
 - SXDD020 – **6m @ 12.08 g/t Au** from 519m (incl **2m @ 32g/t Au**)¹
- 2020 Petrological review undertaken which interpreted a NNE trending structure, subsequently the entire belt of northern Mt Isa Succession was secured
 - SXDD022 – **1m @ 8.37 g/t Au** from 650m²
 - SXDD023 – **1m @ 1.43 g/t Au** from 691m



Canobie Domain Project over interpreted faults and nearby explorers

¹ASX SER Announcement December 2019

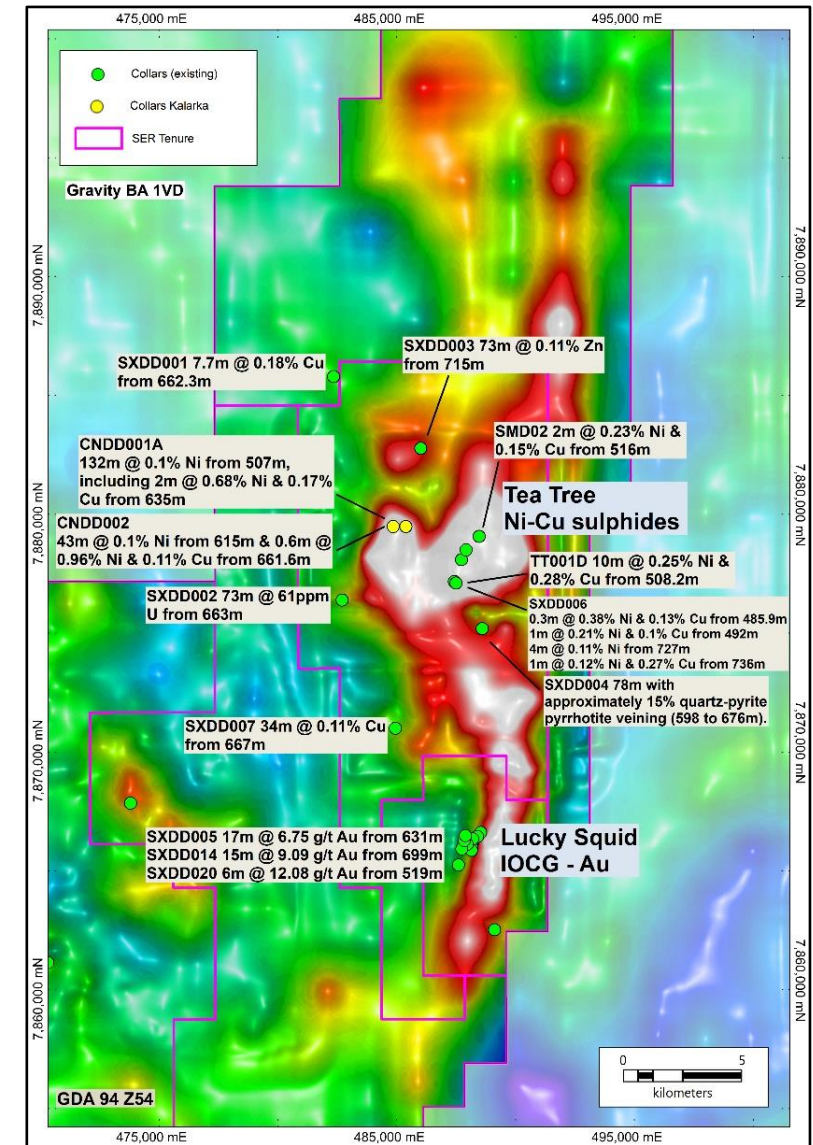
²ASX SER Announcement November 2020



Canobie Domain, QLD

The Next Nickel Province

- 2020-21 A project wide review was initiated which included all geophysical datasets and historic drill core - 50+ anomalies were subsequently identified
- **2008** Anglo American: Tea Tree Prospect: TT001D - **10.4m @ 0.28% Ni, 0.28% Cu** from 508.2m with depth of basement confirmed at ~ 420m
- ✓ 2021 SER drilled CNDD001A - **132m @ 0.1% Ni** from 507m including 2m @ 0.68% Ni, 0.17% Cu from 635m & CNDD002 - **43m @ 0.1% Ni** from 615m and 0.6m @ 0.96% Ni, 0.11% Cu from 661.6m¹
- A revised geological model has been established which places the limited basement drillholes into context – highlighting prospectivity of the system
- Two interpreted **ore junctions** (fold controlled cluster of intrusions) identified with inferred pipe like **chonoliths** => Nova-Bollinger (Fraser Range, WA) model
- Ground gravity infill survey underway to refine mafic intrusive bodies surrounding Tea Tree² with drill targeting set to commence next quarter



Bouguer Gravity 1 VD image with historical intercepts

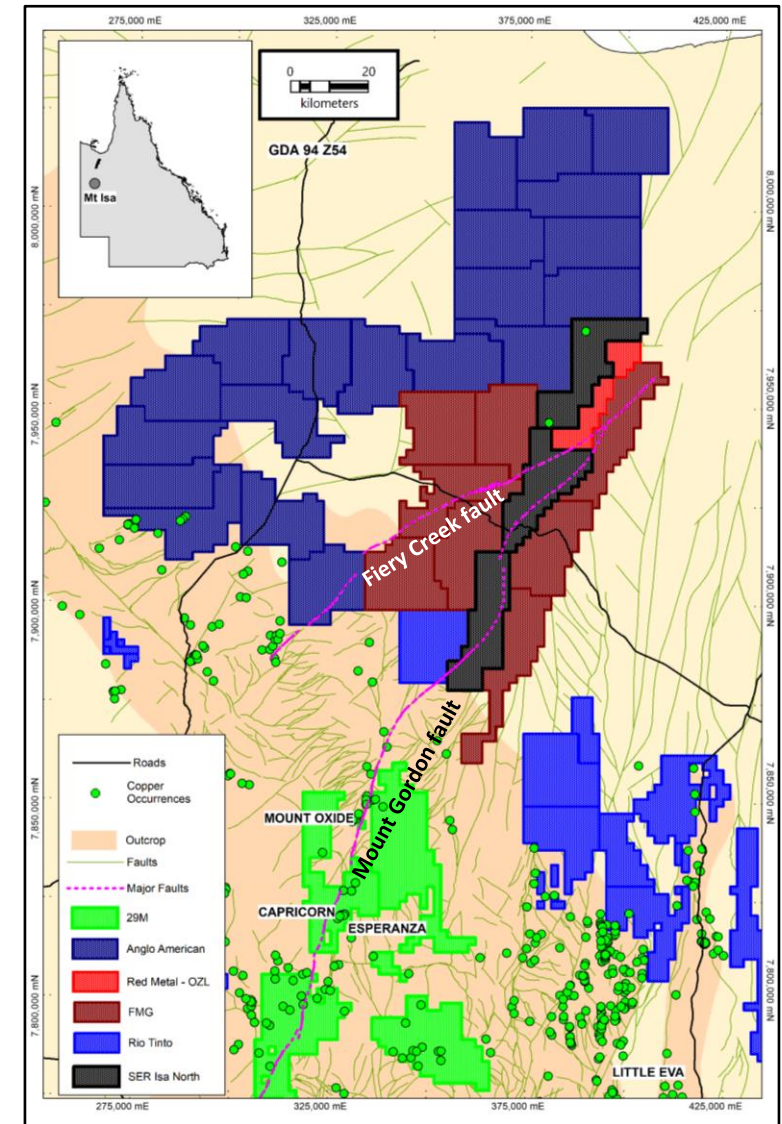
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¹ ASX SER Announcement December 2021
² ASX SER Announcement September 2022

Isa North, QLD

A Province Scale Copper-Gold Opportunity

- Located 200km NNE of Mt Isa and 100km NW of Canobie Domain Project, highly prospective for Iron Oxide Copper-Gold (IOCG) mineralisation
- Captures over 80km of strike along the northern undercover extension of the mineralised Mt Gordon Fault Zone, host to **five known orebodies** held by 29Metals (ASX:29M), three are currently in production
- Total Measured, Indicated and Inferred Resources for Capricorn Copper orebodies held by 29Metals is 60.8Mt @ 1.8% Cu, 7g/t Ag, 342ppm Co¹
- Project formerly held by Newcrest (ASX:NCM) and acquired in May 2021 – aligns with SER’s strategy of targeting Tier-1 discoveries undercover
- Newcrest retains a First Right of Refusal: can match an offer to purchase the project by a third party²
- Majors since moved into the region: Rio Tinto (ASX: RIO) in October ‘21, Fortescue (ASX:FMG) in May ‘22 and Anglo American (LSE:AAL) in June ‘22



Isa North Project over interpreted faults and nearby explorers

¹ 29Metals March 2022 Mineral Resources & Ore Reserves Estimates

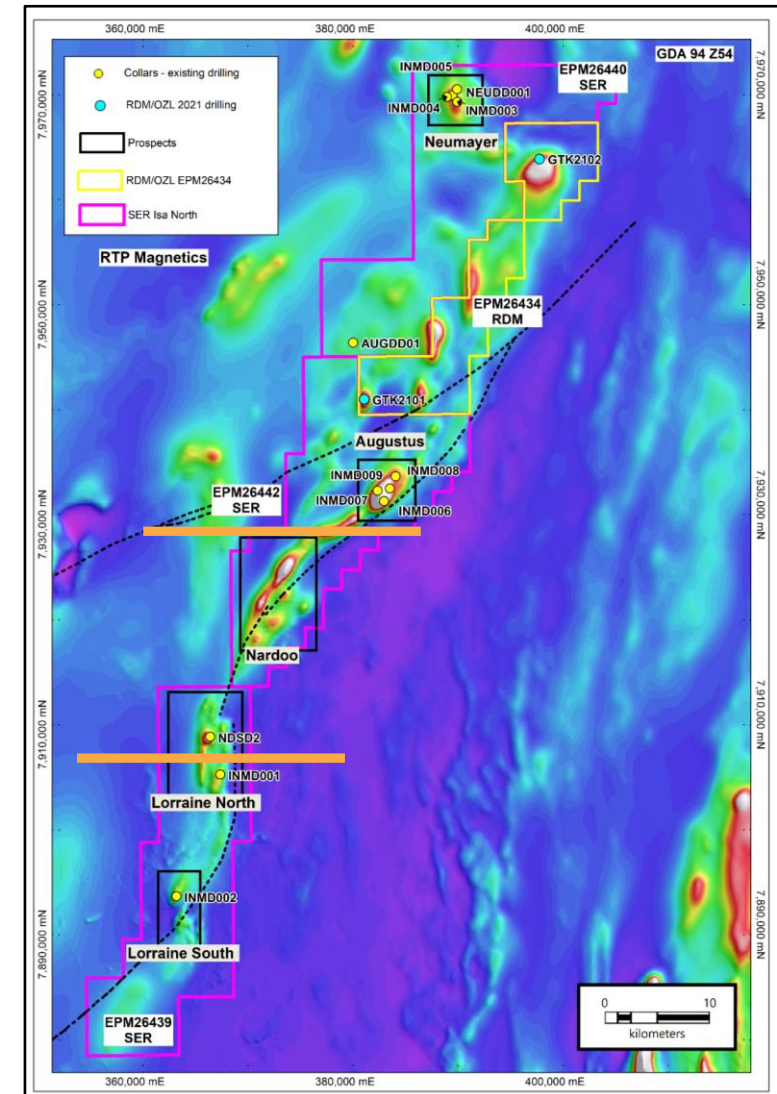
² ASX: SER Announcement: May 2021



Isa North, QLD

Standing on the shoulders of giants

- 2019 Newcrest drilled 9 diamond holes across 4 targets - 5,190m of drilling
- Lorraine North (INMD001) drilled north towards a priority target to the north intersected weak chalcopyrite in hydrothermal breccia and carbonate veins¹
 - Cu enrichment zone (>100ppm) from 344-354m
 - **Interpreted Tier-1 halo intercept** within a >5km hydrothermal system – High Priority Target
- Follow-up drilling at Lorraine North and Nardoo Prospects was not conducted due to landholder access – now secured
- 2021 Red Metal Limited (ASX:RDM) intersected 44.4m of hydrothermal ironstone and breccia at GTK2101, returning copper assay numbers up to 0.34% providing proof of concept², follow up drilling planned for this year³
- Further landholder agreement to be finalised prior to target ranking and a **project wide drill program scheduled for next year**



RTP Magnetics, previous drill hole locations at Isa North and the N-S boundary of Nardoo Station

¹ ASX: SER Announcement April 2022

² ASX: RDM Announcement January 2022

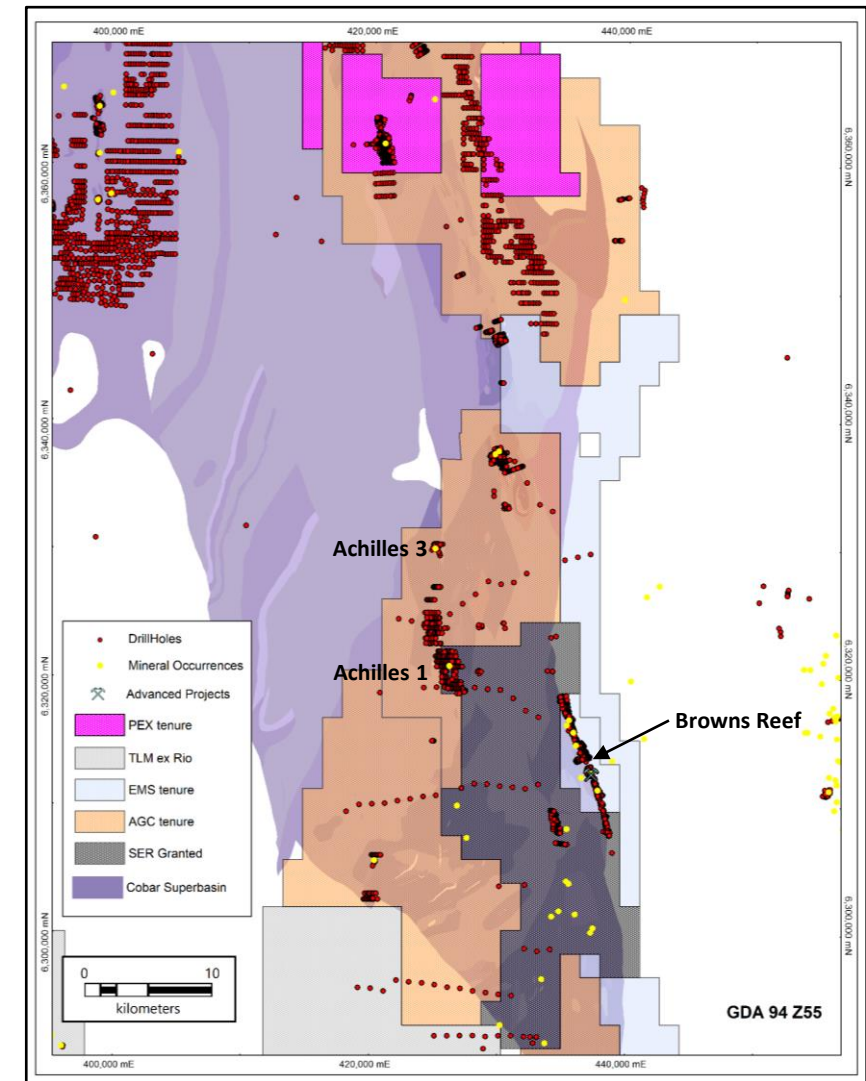
³ ASX: RDM Announcement July 2022



South Cobar, NSW

The Next Exploration 'Hot-Spot'

- Located in the Southern Cobar Basin – a proven mineral region hosting recent discoveries including the Federation Deposit (ASX:AMI) and major acquisitions (Metals Acquisition Corp US\$1.1 billion for CSA copper mine)
- Target rich project with eight targets identified for follow-up exploration¹
- 1996-97 Achilles 1: Santa Fe Mining (SFM) defined strong copper (up to 169ppm), lead (to 81ppm) and zinc (to 1680ppm) in grid based soil sampling
- 2005 Western Plains Gold (WPG) drilled two diamond drillholes following up the soil anomalies identified by SFM at Achilles 1;
 - DDH-A1-2 drilled to 300.4m intersected a broad zone of intense hydrothermal alteration, with blebs of chalcopyrite and minor chalcocite, peak values of 0.33% Cu from 90m to 92m, within a **64m zone averaging 0.10% Cu**, from 76m to 140m proximal to target
 - DDH-A1-1 abandoned due to caving at 184.1m – **did not reach target depth of 250m – target remains untested**



South Cobar Project and nearby explorers

¹ ASX: SER Announcement June 2021

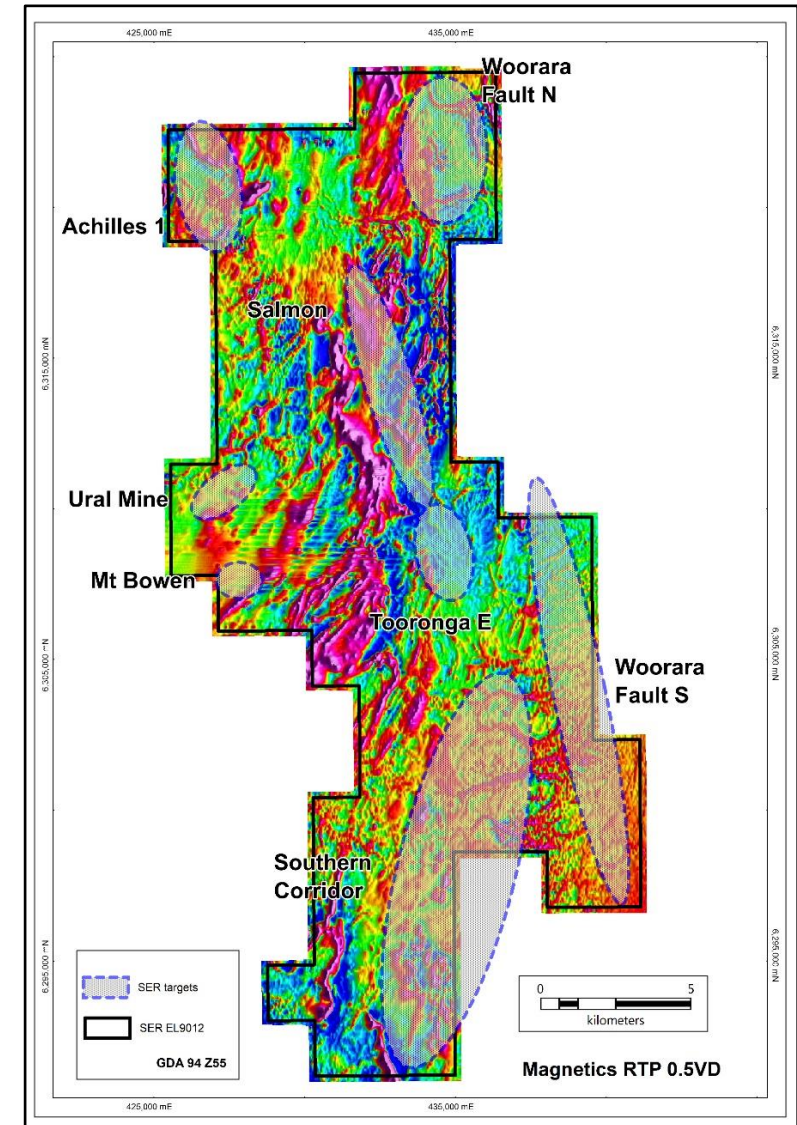




South Cobar, NSW

Achilles -1 set to drill this year

- 2021 Airborne magnetic/radiometric survey completed over the entire exploration licence at 100m E-W spacing uncovered
- ✓ GSNSW New Frontiers Drilling grant (\$120K) awarded with initial site recon completed and a **drill program scheduled for later this year**
- Proposed five-hole, 1700m diamond drilling program designed to test for Cobar-style Cu-Au mineralisation associated with the Achilles shear
- ✓ 2022 *Ultrafine+™* next gen soil geochemistry program identified a significant coincident Cu-Au and multi-element anomaly – 800m strike extent gold in soils anomaly with a **peak value of 17.4ppb Au + pathfinder chemistry**¹
- 2021 Australian Gold and Copper (ASX: AGC) intersected **85m @ 0.13% Cu from 165m in RC hole from Achilles 3** to the north along the Achilles shear²
- 2022 Eastern Metals (ASX:EMS) drilling at the Browns Reef Zn-Pb-Cu VMS deposit reported high grade Zn including **12.5m @ 8.1% Zn, 0.12% Cu**³



South Cobar targets over 0.5VD RTP Magnetics

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¹ ASX: SER Announcement June 2022

² ASX: AGC Announcement September 2021

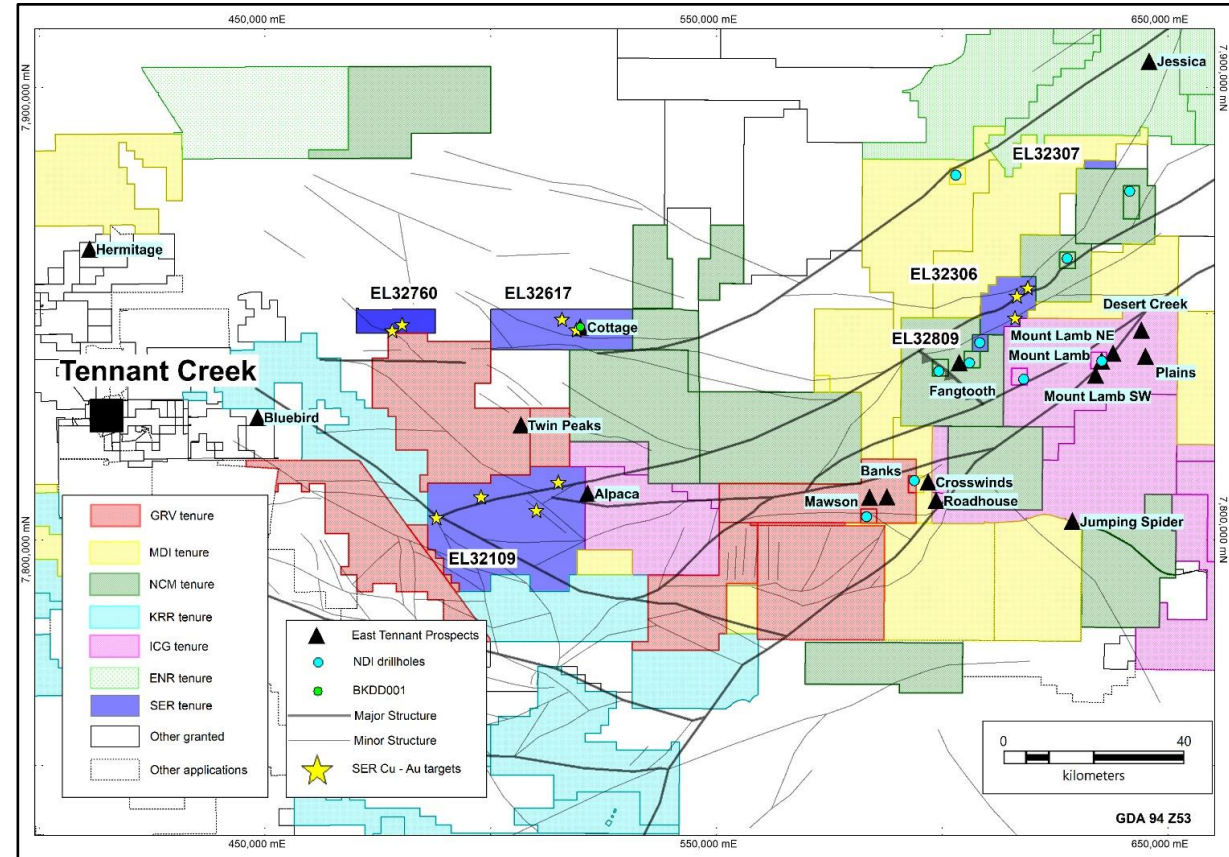
³ ASX: EMS Announcement April 2022



East Tennant, NT

An Emerging Copper Province

- Located between the major Cu-Au districts of Tennant Creek and Mt. Isa covering 1300km² and hosting numerous gravity and magnetic targets
- Geoscience Australia and MinEx CRC focus region which incorporated the National Drilling Initiative
- ✓ 2019 Gravity infill survey completed over tenement package defined 9 compelling IOCG targets¹
- Encouraging early exploration results across the region at the Crosswinds Prospect² (ASX:MDI) and copper anomalism in water bore samples at Jessica³ (ASX: ENR)
- ✓ 2021 Drilled ‘Cottage’ Prospect targeting a combined gravity and magnetic anomaly – non-fertile system⁴
- ✓ 2022 IP Survey set to commence across multiple targets⁵



The location of SER’s East Tennant Projects and current Cu-Au targets across our project region

¹ ASX : SER Announcement June 2022

² ASX : MDI Announcement June 2022

³ ASX : ENR Announcement August 2020

⁴ ASX : SER Announcement September 2021

⁵ ASX : SER Announcement June 2022



East Tennant, NT


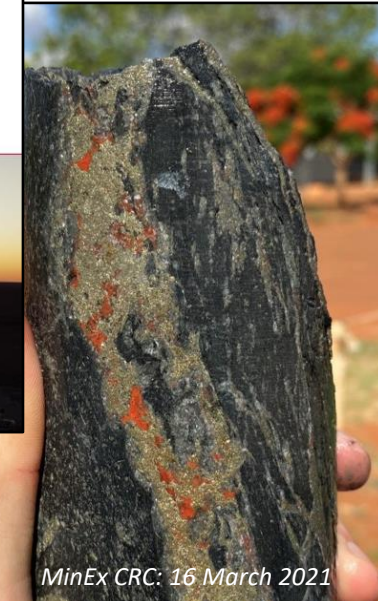

News Still to Come This Year ...

- Assays from the GA/MinEx CRC 10x RC-diamond stratigraphic drill program released, NDIBK04 confirming the presence of copper, gold and silver mineralisation¹
 - 0.25m @ 1.12g/t Au + 12.3g/t Ag from 249.5m
 - 1m @ 0.27 % Cu + 0.13g/t Au + 5.94g/t Ag from 252m
- (ASX:ICG)² completed an 8-hole drill program targeting gravity anomalies across various targets (>8,500m)
 - Assays pending – *‘.further exploration strongly warranted’*
- Greenvale Mining (ASX:GRV)³ completed a multiple hole drill program targeting gravity/magnetic anomalies
 - Assays pending – *‘Very encouraged by what we have seen...’*
- Middle Island Resources (ASX:MDI)⁴ completed a 3,025m drill program targeting an IP anomaly at Crosswinds
 - Assays pending

'Stunning' results from government-led drilling in East Tennant


AUSTRALIA'S National Drilling Initiative, a bold new approach by government to encourage greenfields mineral exploration, has delivered spectacular initial results.

3 August 2021

INCA MINERALS LTD

Targeting a new generation of Tier-1 mineral discoveries in Peru and Australia



ASX Announcement | 28 July 2022 | ASX: ICG


MAIDEN AUSTRALIAN DRILL PROGRAM SUCCESSFULLY COMPLETED

Strong Iron Ore Copper-Gold (IOCG) prospectivity confirmed at the Greater Frewena Group Project in the Northern Territory, with copper +/- zinc-lead sulphides intersected in all eight drill holes that were part of the initial reconnaissance program covering four prospects at Frewena East and Frewena Far East.



Greenvale MINING LIMITED

27 July 2022



Middle Island RESOURCES LIMITED

Middle Island Resources Ltd
ACN 142 361 608
ASX code : MDI
www.middleisland.com.au

DIAMOND HOLE AT LEICHHARDT CONFIRMS IOCG POTENTIAL AT GEORGINA

Alteration observed in drill core, including visible copper mineral chalcopyrite, indicates that the hole has intersected a hydrothermal system

ASX Release – 1 August 2022

DRILLING INDICATES IOCG POTENTIAL

- First hole CWDD001 completed at Crosswinds to 808.4m.
- Iron Oxide-Copper-Gold (IOCG) alteration styles intersected in first drill hole at Crosswinds.

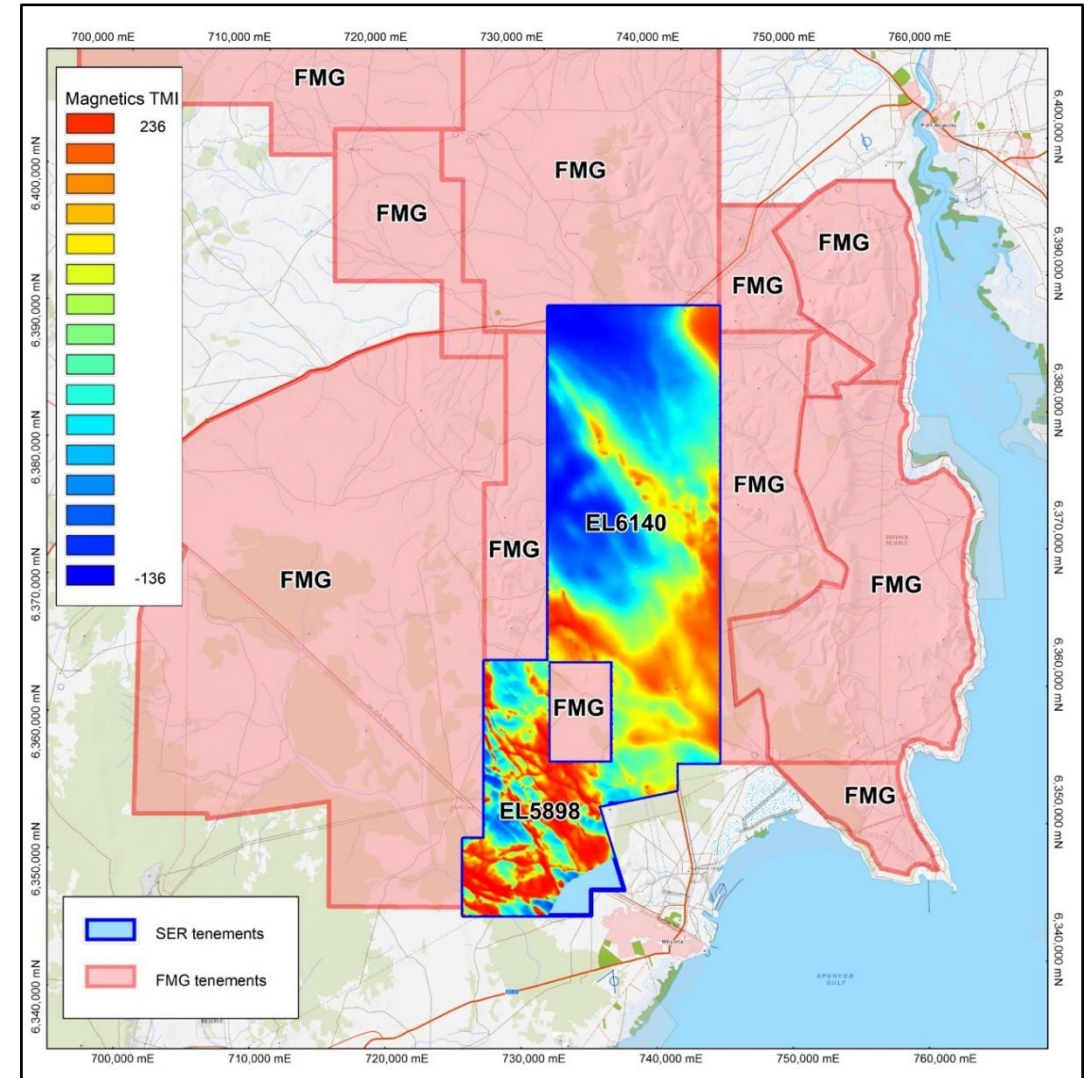
¹ ASX : ICG Announcement April 2022
² ASX : ICG Announcement July 2022
³ ASX : GRV Announcement July 2022
⁴ ASX : MDI Announcement August 2022



Myall Creek, SA

Hidden value ready to be unlocked

- 2019 Fortescue Metals Group (ASX: FMG) farm-in and JV agreement covering the Myall Creek Cu Project signed
- FMG to earn 80% interest by sole funding \$1.5m exploration¹ (minimum 1,500m drilling) over 5 years
- Compelling exploration opportunity in a prime location in Olympic Copper-Gold Province, home to giant producing mines including: Olympic Dam, Prominent Hill and Carrapateena
- Historical drilling intersected occurrences of copper and other base metals; basement remains untested
- 2020 FMG completed detailed magnetic / radiometric survey with Native Title discussions continuing prior to a gravity survey and future drill program



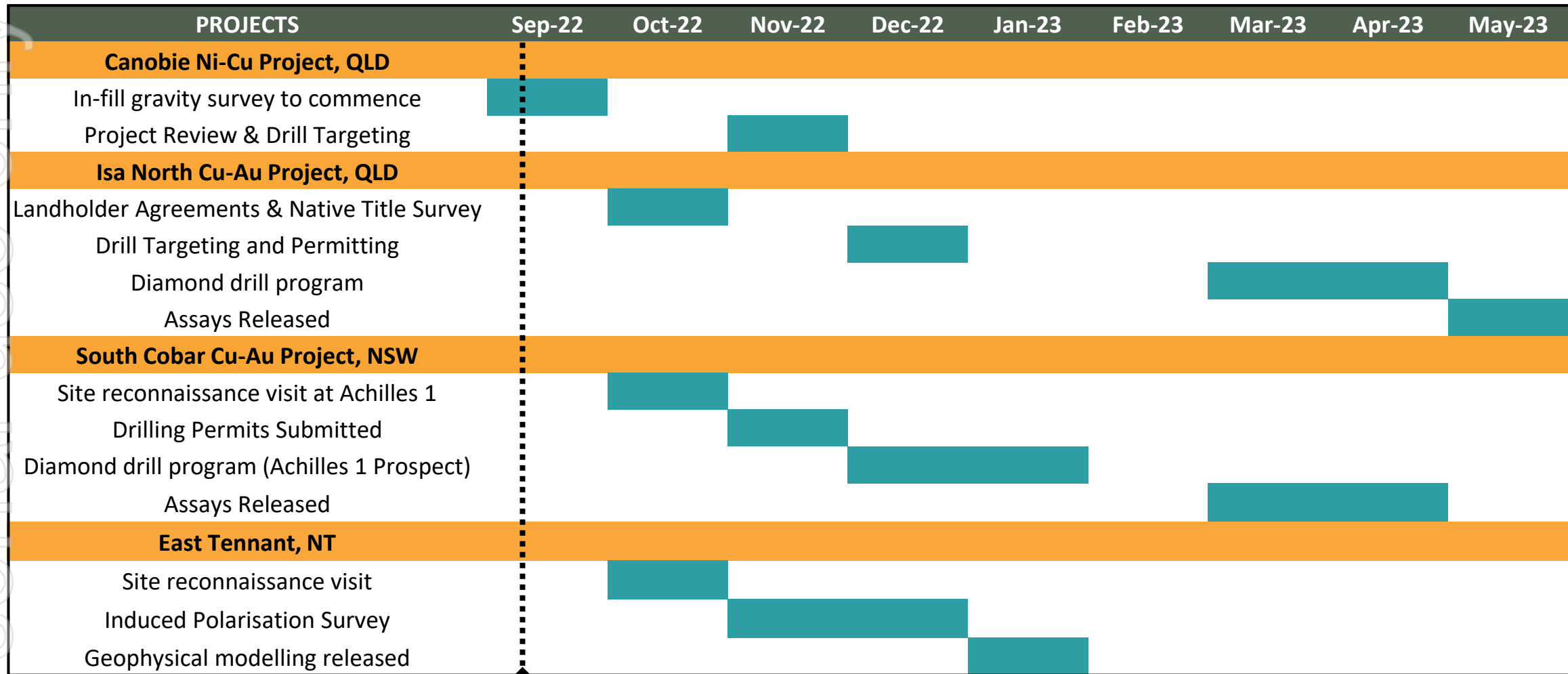
Myall Creek JV project area covered by Magnetic survey image

¹ ASX: SER Announcement March 2020



Strong Near-Term News Flow

Multiple price catalysts over the coming months



Investment Thesis



Targeting Tier-1 Greenfield Discoveries Undercover

... the next discovery won't be at surface



Science Driven Approach to Exploration

... major discoveries require mastering multidisciplinary scientific datasets



Strong Collaborative Relationships with Multiple Agencies

... engaging industry leaders ensures we remain at the forefront of exploration



Project Pipeline Spreads Exploration Risk and Leverages Resources

... sharing risk and reward as we continue to generate new projects





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