

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Australia:

Innovative mineral exploration and investment opportunities

Monday, March 6, 2023

Room 206B, Metro Toronto Convention Centre

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Welcome

Ms Allison Britt

Director, Mineral Resources Advice and Promotion

Geoscience Australia

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Accessing the Australia minerals opportunity

Mr Josh Riley

Consul General & Senior Trade and Investment Commissioner—Canada
Australian Trade and Investment Commission

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Australia's Minerals – Resourcing Tomorrow

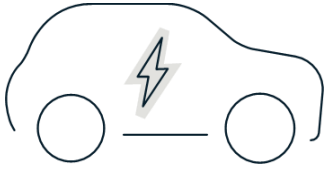
Dr Andrew Heap

Chief, Minerals, Energy and Groundwater Division
Geoscience Australia



Australian Government
Geoscience Australia

Increasing mineral demand driven by the transition to net zero



- Global lithium demand to increase 15-fold by 2040
 - driven by a 40-fold increase in demand for EVs and storage
- Demand increase of 20–25-fold forecast for graphite, cobalt and nickel



Spodumene

Data sources: S&P Global, IEA,
USGS Commodity Summaries,
Geoscience Australia.

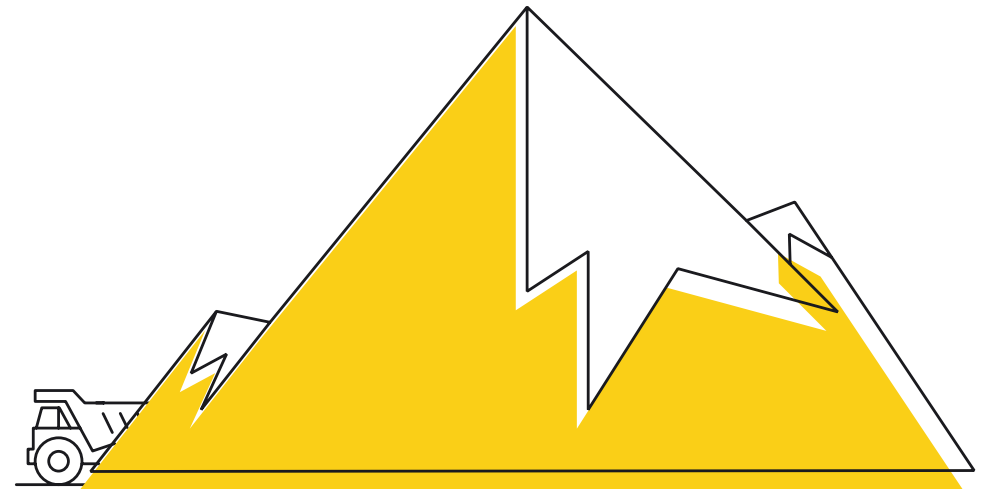
2020 Global Supply

Vs

2040 Global Demand

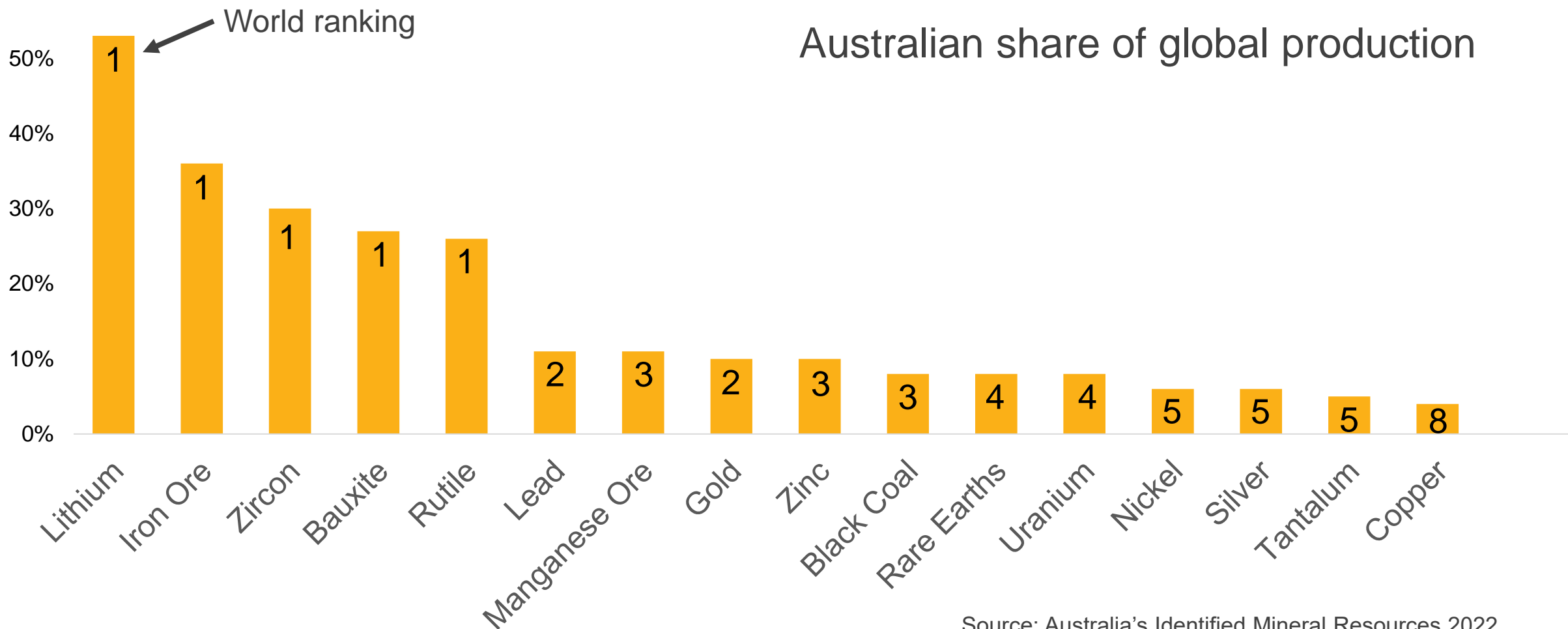


26 mines
~82,000 t Li metal



~263 mines
1,160,700 t Li metal

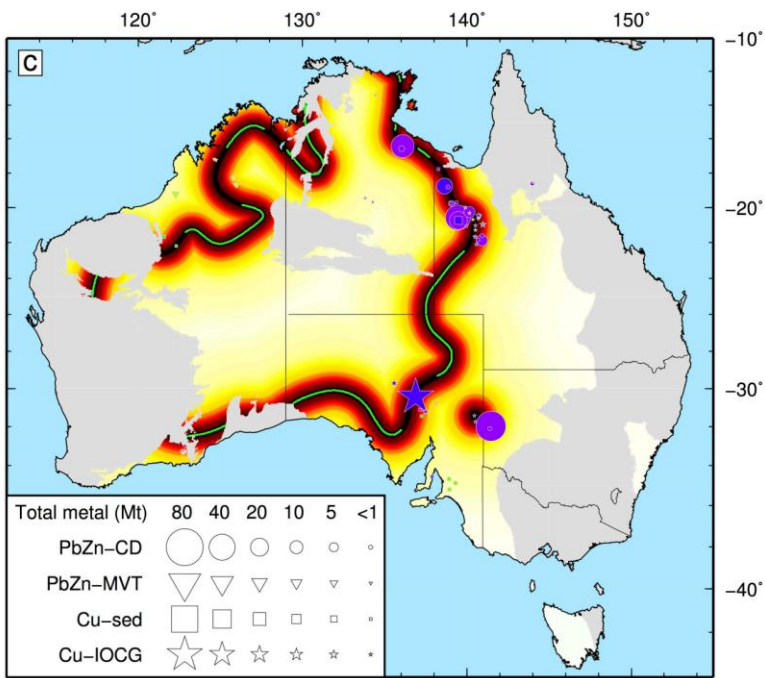
Australia: a responsible and reliable supplier of minerals to the world



Source: Australia's Identified Mineral Resources 2022

Australia's Exploring for the Future program—\$225m investment

Revealing Australia's resource potential

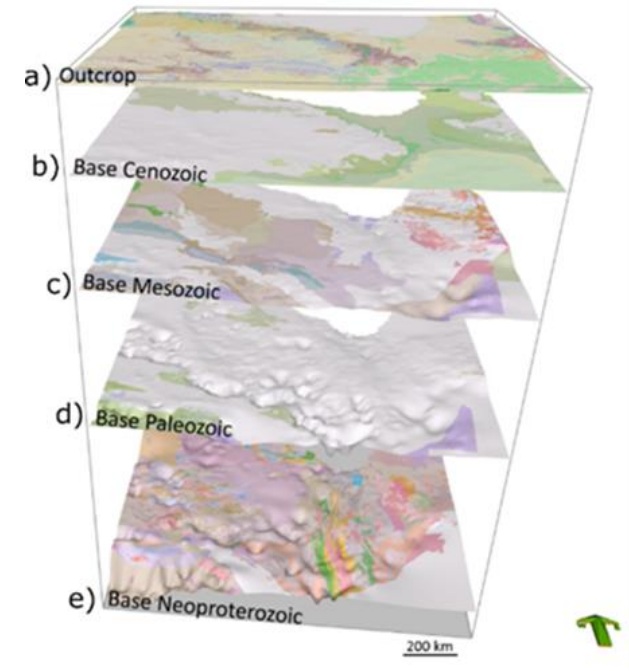


Czarnota et al., 2020. EFTF Extended Abstracts.

Characterising the sub-surface geology to lower exploration risk in new regions



Source: MinEx CRC.

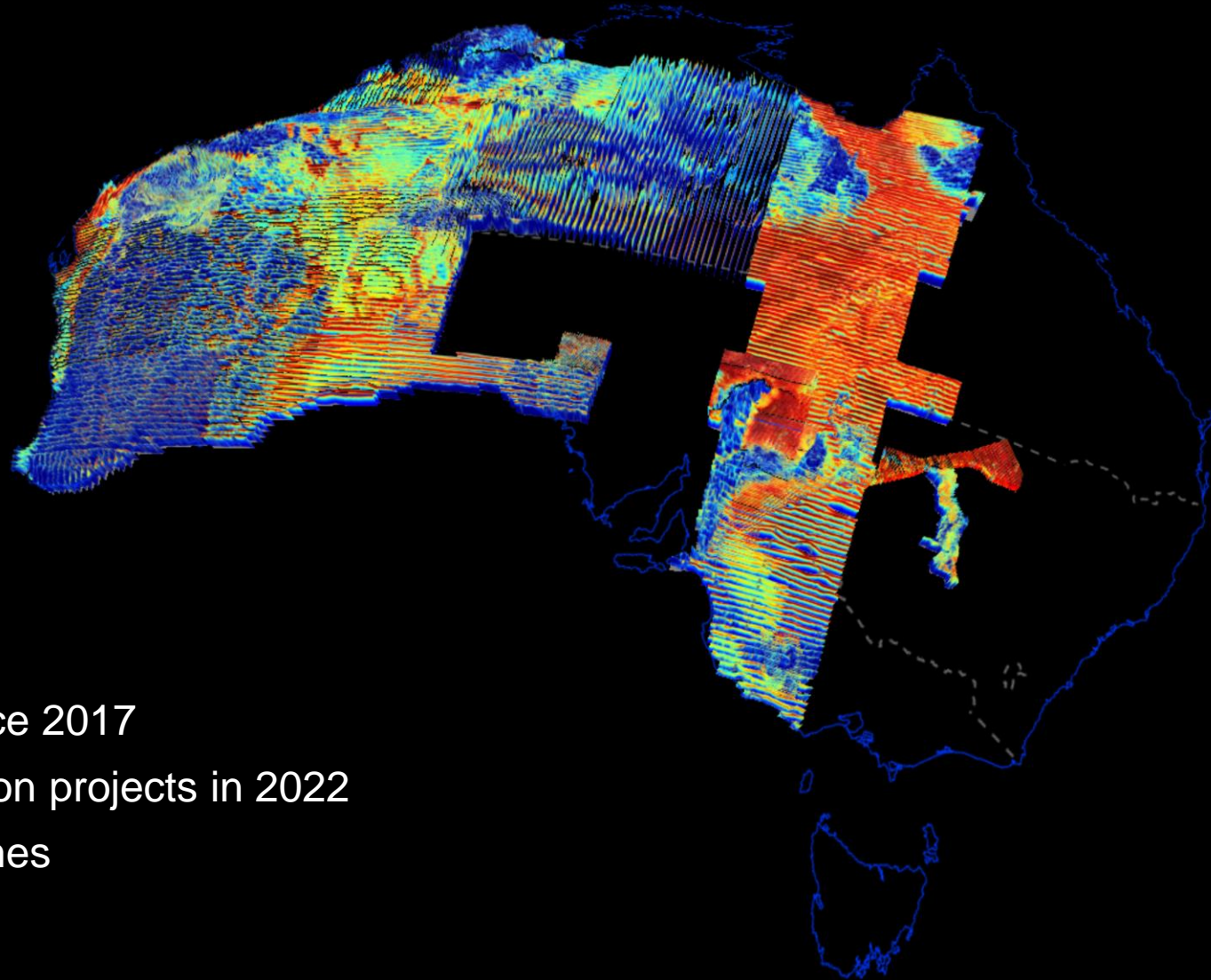
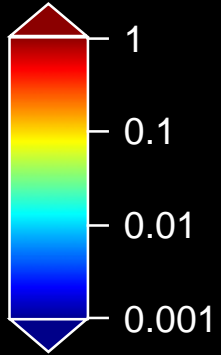


Bonnardot et al., 2020. EFTF Extended Abstracts.

World leading national geoscience data sets get even better

AusAEM

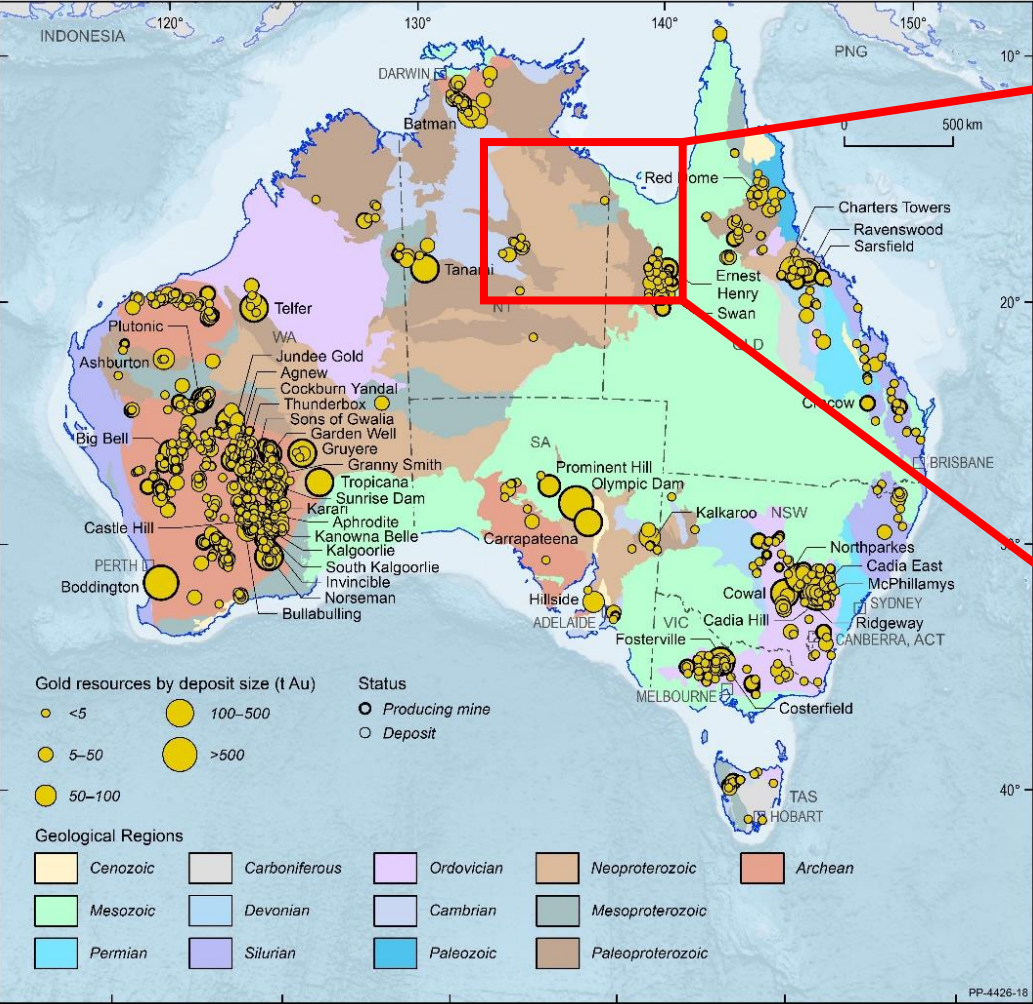
Conductivity (S/m)



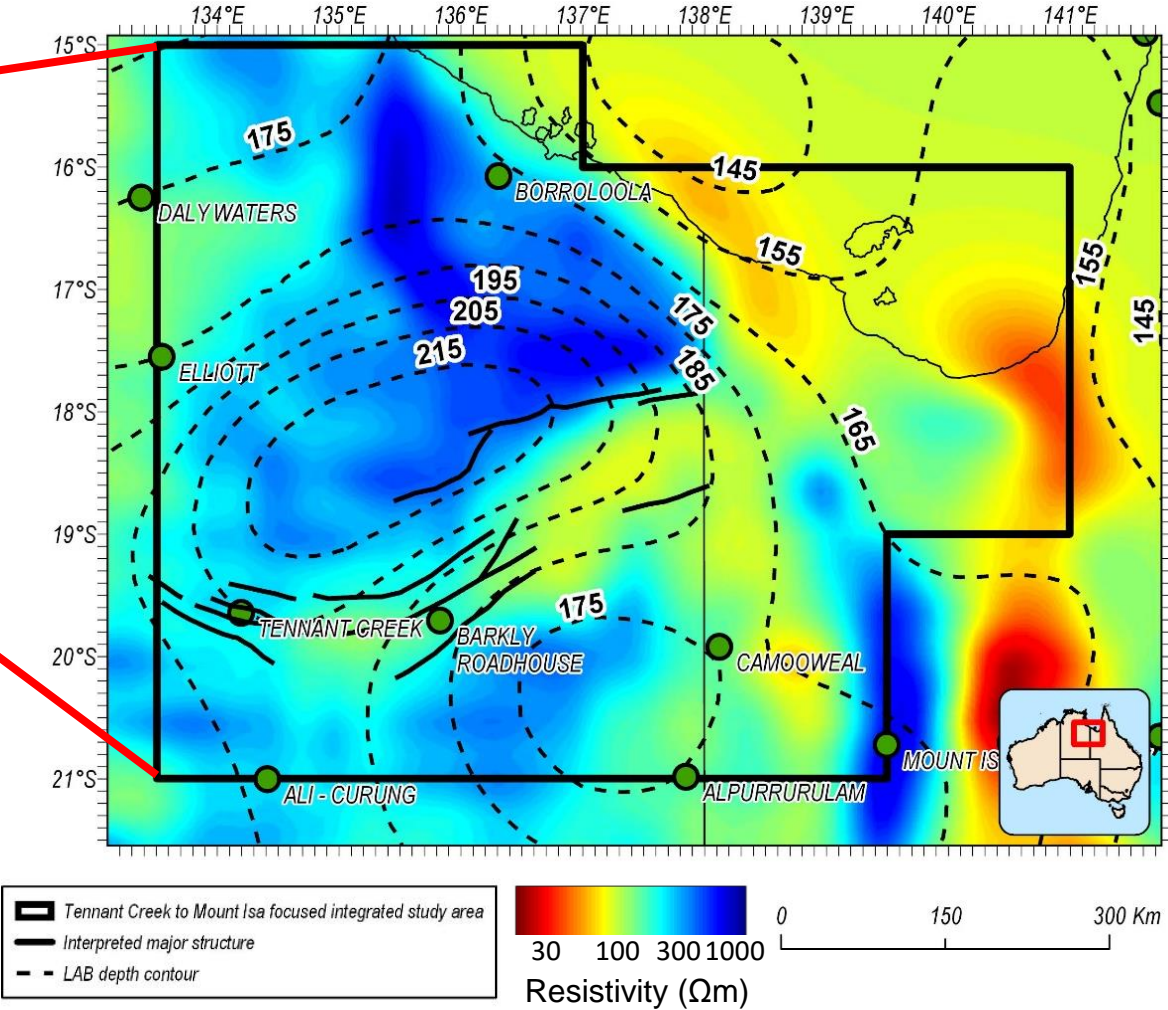
- Data coverage acquired since 2017
- Generated 17 new exploration projects in 2022
- Critical data for ESG outcomes

portal.ga.gov.au

Opening a new geographical exploration frontier



Australia's Identified Mineral Resources 2020.



Schofield et al., 2020. EFTF Extended Abstracts

Opening a new conceptual exploration frontier

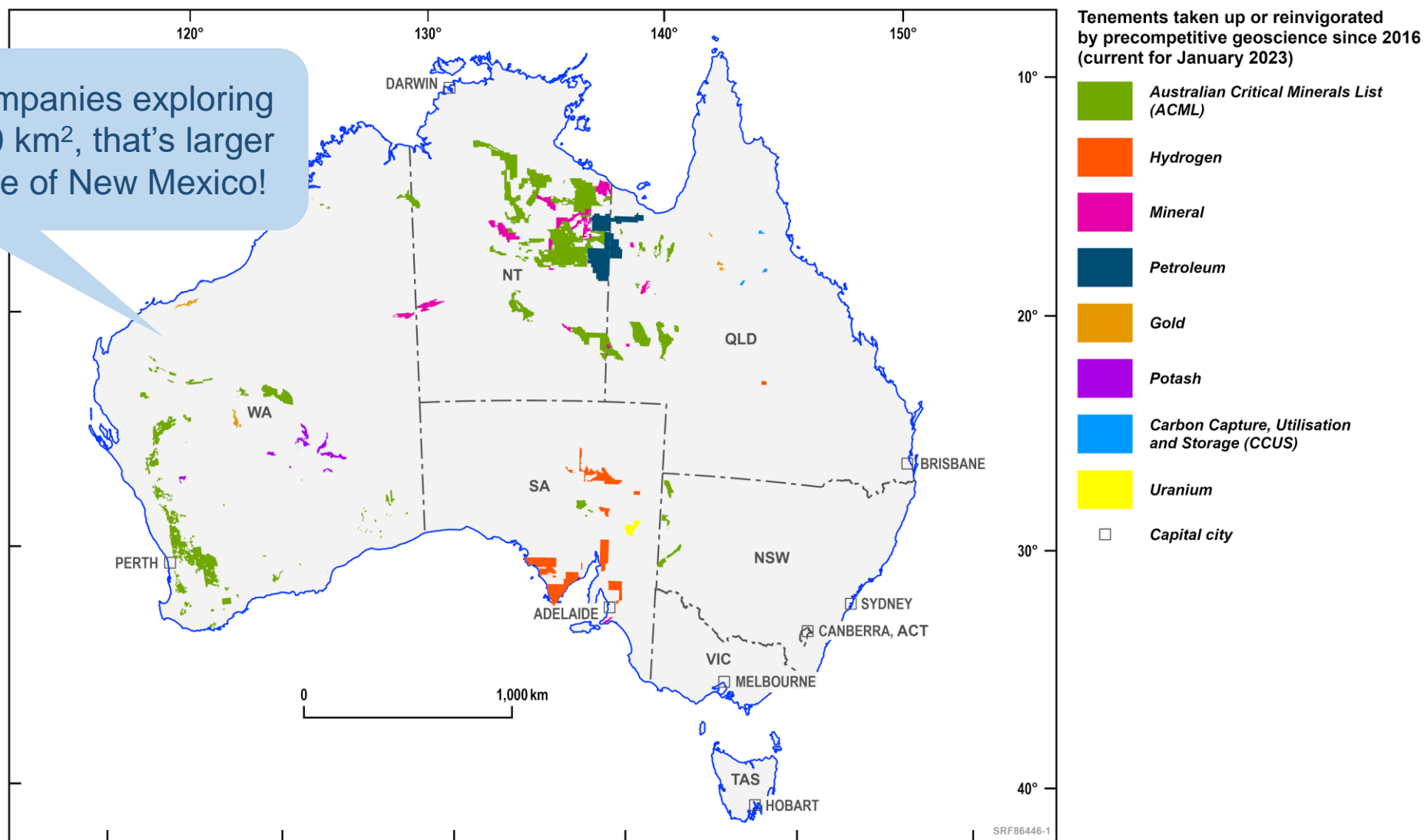
"GA's Salt Lakes report has underpinned the development of Lake Throssell and in fact the entire potash industry now emerging in Western Australia."

Keren Paterson, Trigg Mining, 13 April 2022

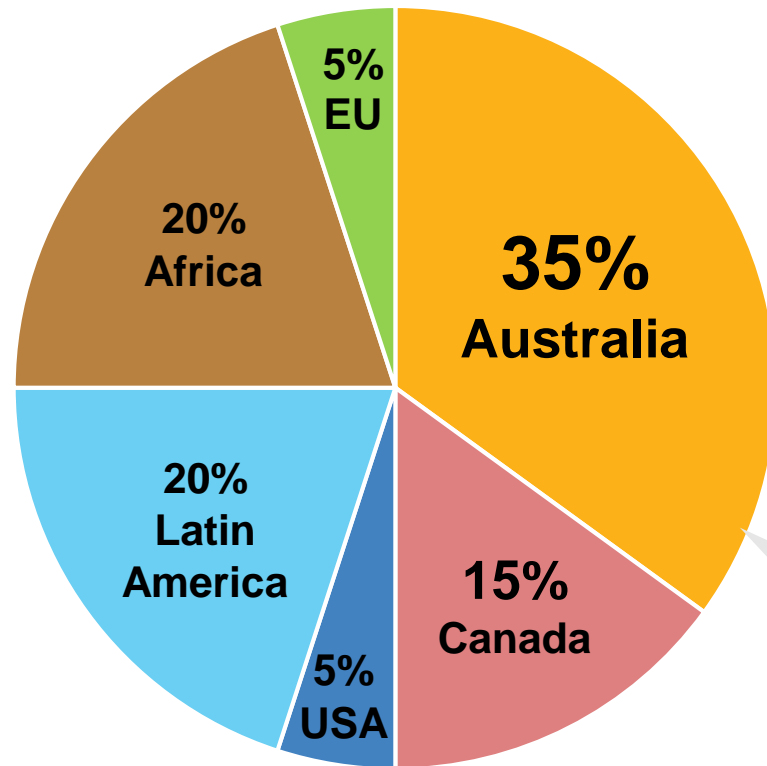


New industry exploration stimulated by government geoscience since 2016

Over 100 companies exploring over 317,000 km², that's larger than the state of New Mexico!



Australia leads the world in mineral discoveries



Tier 1 & 2 mineral
discoveries since 2017

Note: number of Tier 1 and 2 deposits will grow
as deposits are drilled out

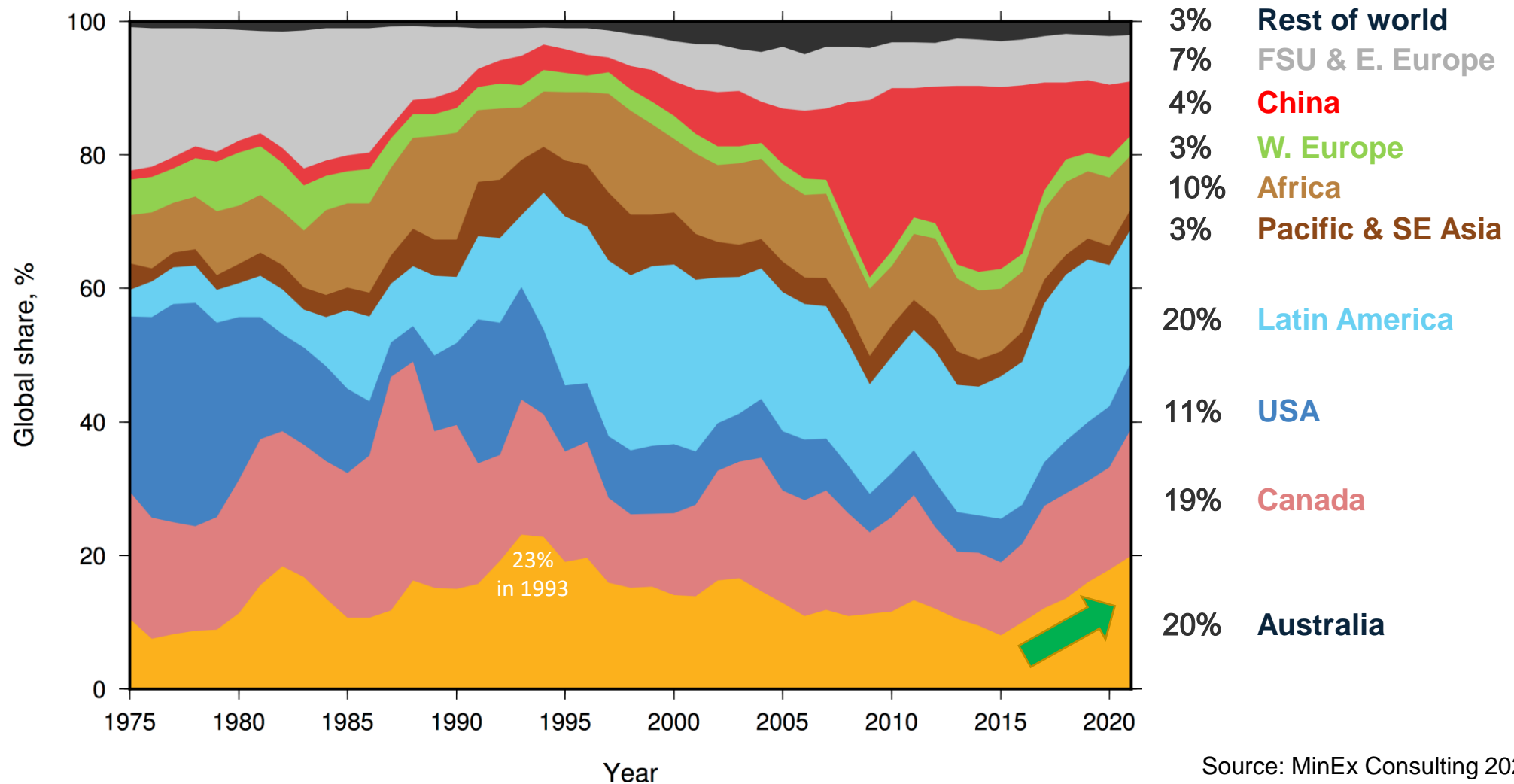
20 Tier 1 and 2 mineral discoveries since 2017

50% (2 of 4) Tier 1 discoveries
were in Australia, all underpinned
by government geoscience

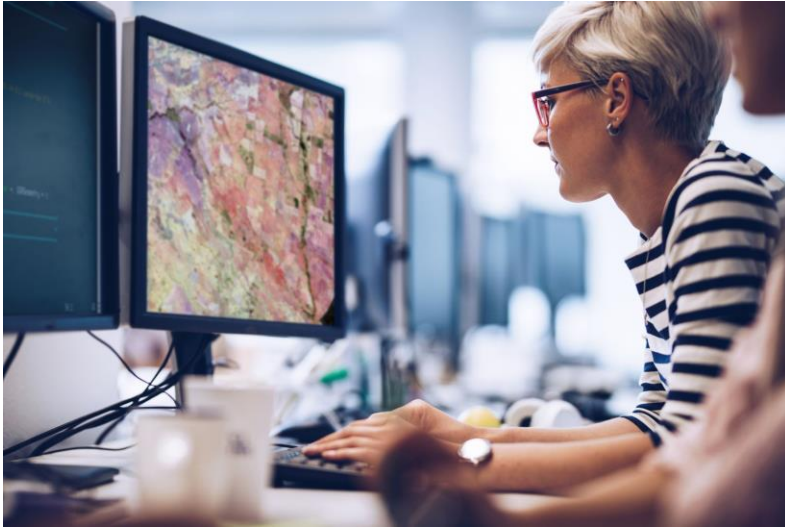
Over two thirds of Australia's
discoveries were underpinned by
government geoscience

Data source: MinEx Consulting, July 2022.

Australia's global share of exploration expenditure



Continued government support for Australia's minerals sector



Australia's Critical Minerals Strategy Refresh 2023

Discussion paper priorities include:

- Achieving net zero emissions
- Growing Australia's critical minerals sector, including onshore processing
- Supporting our regions and strong partnerships with Australia's traditional custodians

Government Initiatives

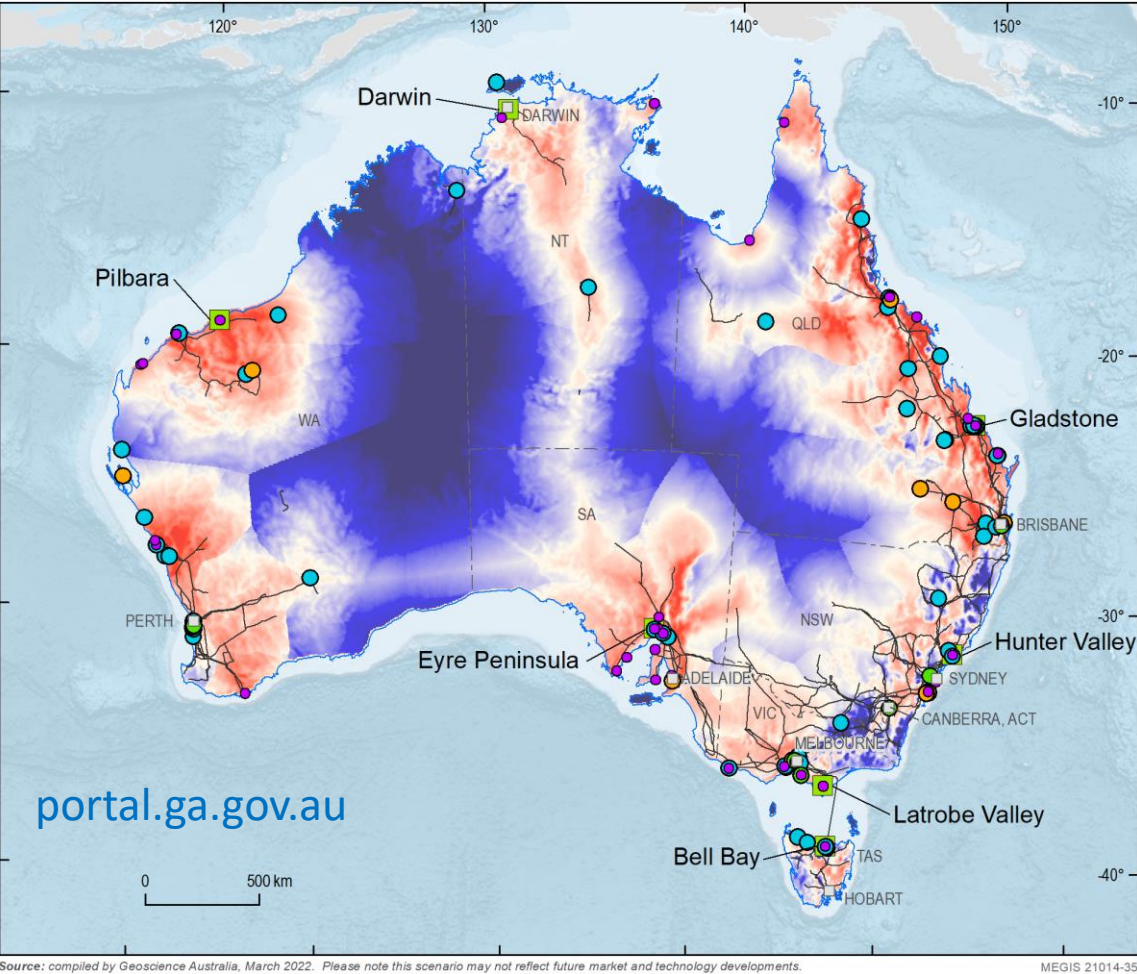
- \$1 billion Australian Government Value Adding in Resources Fund
- \$2 billion Critical Minerals Facility
- \$100 million Critical Minerals Development Program
- **A\$50.5m Australian Critical Minerals Research and Development Hub (2023–2026)**
- Critical Minerals Mapping Initiative with US and Canada

First National Battery Strategy under development

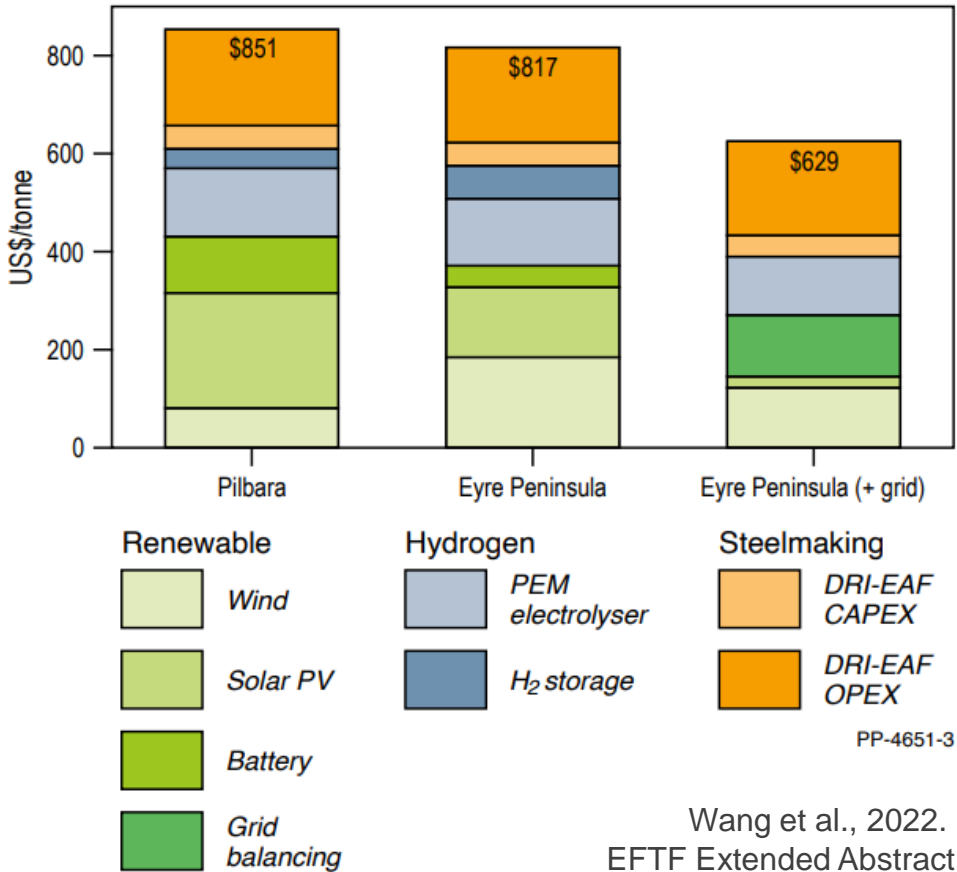


Environmental, social and governance (ESG) credentials and Green Metals

Hydrogen economic fairways



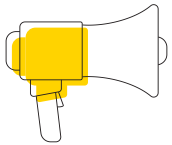
Estimated costs of steel production by 100% electrolytic hydrogen-based direct reduction of iron



Continue the conversation

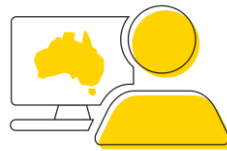


Visit the Australia Pavilion, Trade Show South



Website:

www.australiaminerals.gov.au
eftf.ga.gov.au



Data Discovery Portal:

<https://portal.ga.gov.au/>



Contacts:

mineral.promotions@ga.gov.au
eftf@ga.gov.au

Thank you

Dr Andrew Heap

Chief, Minerals, Energy and Groundwater Division
Geoscience Australia



Australian Government
Geoscience Australia

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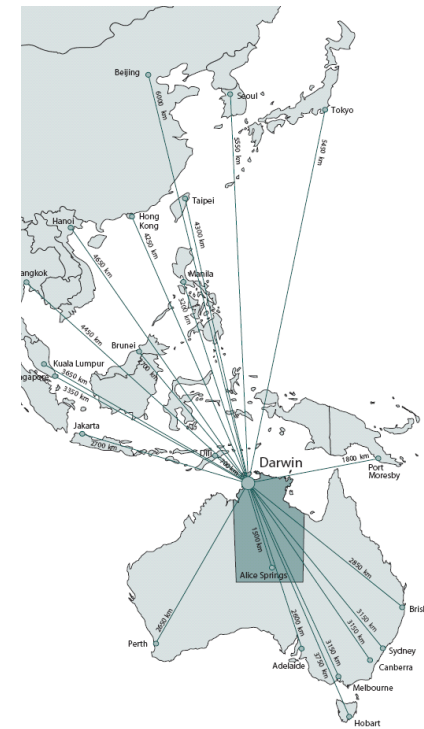
Critical minerals opportunities in the Northern Territory

Ian Scrimgeour
Senior Executive Director, Northern Territory Geological Survey

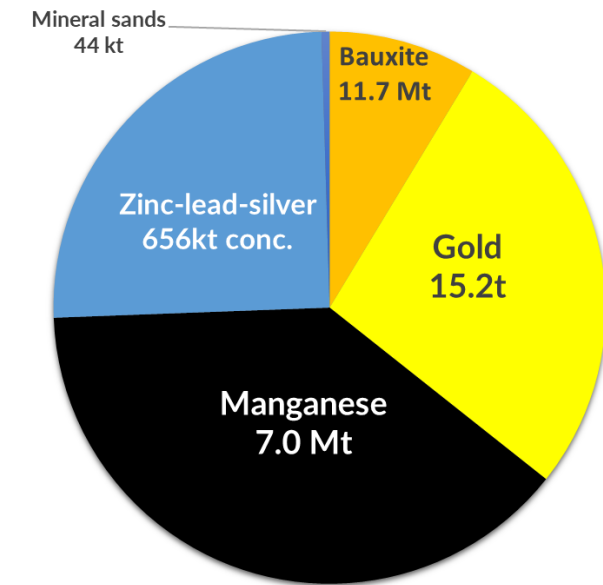


Northern Territory's minerals sector

- The Northern Territory is a major producer of manganese, bauxite, lead-zinc-silver, gold and LNG
- The Territory's mining sector is set to expand into critical minerals and copper
- The Territory's first lithium mine is in production
- There are 19 projects in the approvals or financing process, primarily for copper, gold and/or critical minerals
- Exploration is booming for copper and lithium across the Northern Territory, with increasing exploration for rare earths, cobalt and nickel
- The Northern Territory Government has a strong focus on encouraging downstream processing of critical minerals



NT mineral production by value 2021/22

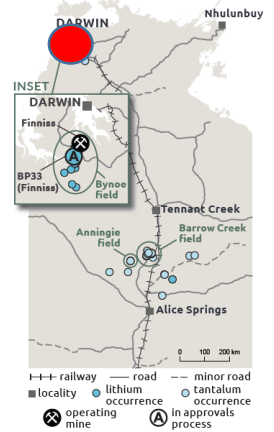


Northern Territory's 15 critical minerals

Aluminium	Manganese	Titanium
Cobalt	Molybdenum	Tungsten
Copper	Nickel	Vanadium
Lithium	Phosphate	Zinc
Magnesium	Rare earth elements	Zircon

Northern Territory is now a lithium producer

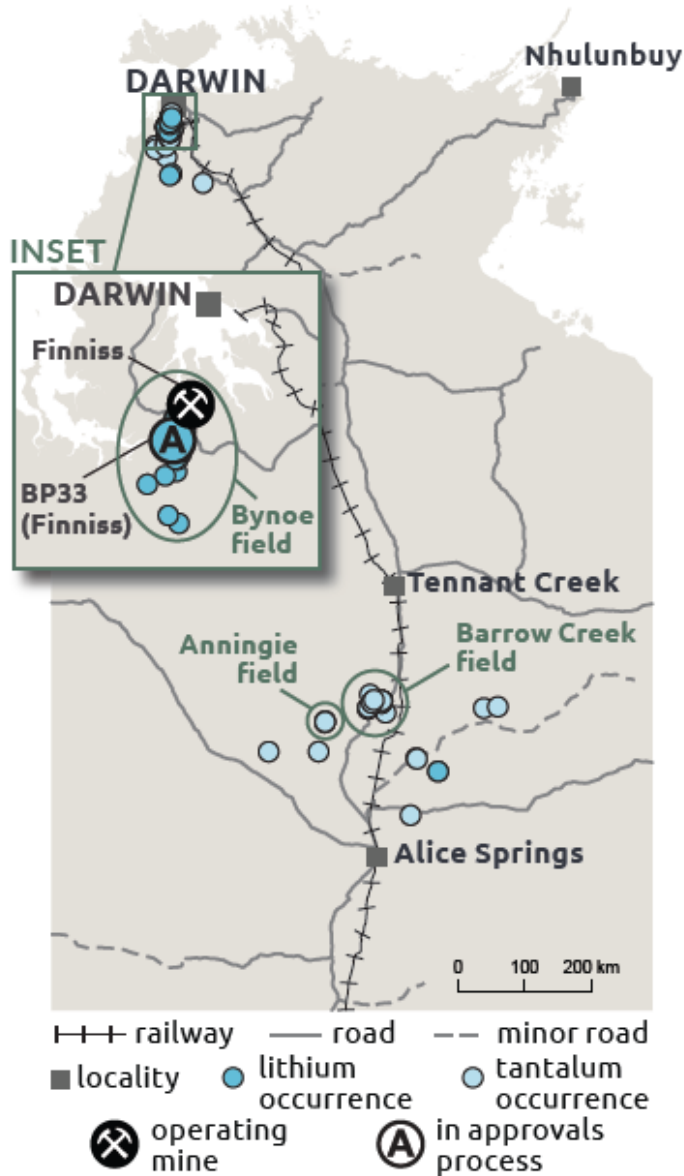
- Core Lithium's Finnis lithium project is in production



- First DSO exported end 2022
- First spodumene concentrate produced Feb 2023
- Current reserves support >12 year mine life
- Located near Darwin port
- Substantial ongoing drilling, discovery and resource growth across numerous prospects

18.9 Mt @ 1.3% Li₂O

Numerous lithium explorers active in the NT



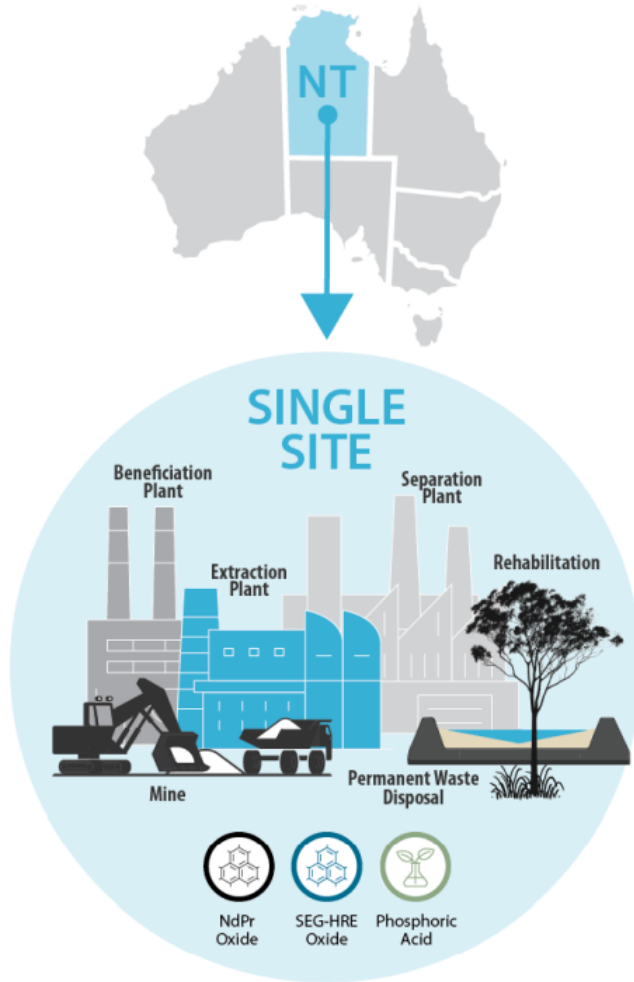
AUSTRALASIAN METAL



Advanced manufacturing onsite

– Ore to oxide at a single site –

First of its kind in Australia



Nolans NdPr project approaching FID

Arafura Resources – Nolans

- World-class resource of magnet-feed rare earths (NdPr), >39 year mine life
- On-site downstream processing to produce separated rare earth products (including NdPr oxide) and phosphoric acid
- \$300M in letters of support for funding from Australian Government concessional loan facilities
- MOUs for offtake signed with Hyundai Motor Co and GE Renewable Energy
- All approvals in place, targeting FID H1 2023; production H2 2025

Transition Metals – Vanadis

- New NdPr rich clay-hosted REE discovery in 2023, supported by NT Govt exploration grant



Transition Minerals Makes Rare Earth Elements Discovery

Copper and cobalt

Cobalt

- Significant cobalt associated with high-grade copper-gold deposits at Tennant Creek
- Castile Resources planning production of 99% cobalt from planned Rover 1 mine
- Elmore Ltd planning to extract 1600t of cobalt from tailings at Peko (Tennant Creek) commencing mid 2023

Copper

- Copper-gold discoveries being made in Tennant Creek area
- KGL Resources approaching FID on Jervois copper project
- Exploration for sediment-hosted copper(-cobalt) booming in Proterozoic basins

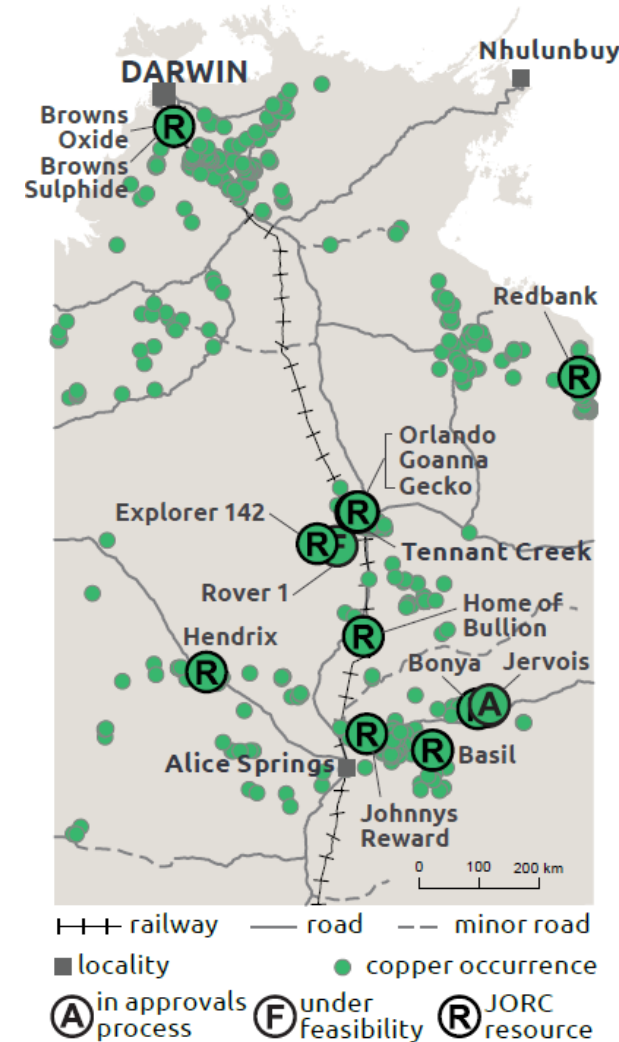
Northern Territory: globally significant opportunity for copper

Major exploration programs targeting Tier 1 discoveries in new areas

- New investment in pre-competitive Government data has transformed the exploration potential of the NT
- These new datasets are providing crucial early insights into areas prospective for sedimentary hosted copper deposits



*Encounter
Resources
ASX release*



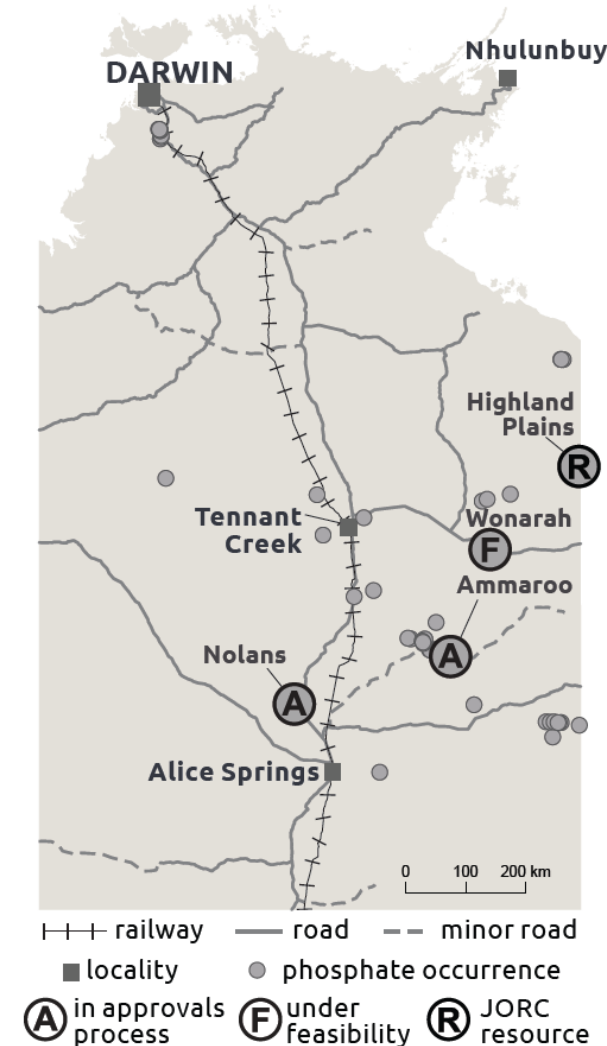
Phosphate

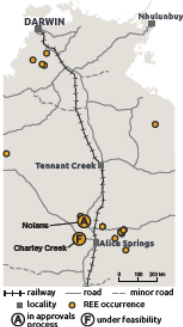
- Australia's largest undeveloped rock phosphate resources; potential for production of phosphoric acid, fertiliser and or precursors to LiFePO_4 batteries
- MoU signed September 2022 between Avenira Ltd, Aleees (Taiwanese cathode manufacturer) and NT Government regarding LiFePO_4 cathode production in Darwin



Vanadium-titanium

- Tivan Ltd – planning processing plant in Darwin to produce high-purity vanadium pentoxide, titanium dioxide pigment and ferric oxide fines from feedstock from Mount Peake (NT) and Speewah (WA)





There is growing global demand for permanent NdFeB magnets used in wind turbines, audio and electronics, electric vehicles and emerging fusion energy technology.

The Territory's most significant rare earth deposit, Arafura Rare Earths Ltd's Nolans project, is located in the Aileron Province north of Alice Springs, and promises to be Australia's first integrated mining and rare earth separation project. The deposit is hosted within fluorapatite veins containing allanite and monazite, and is rich in the magnet-feed rare earths neodymium and praseodymium (NdPr).

The Territory has high exploration potential for a range of rare earth mineralisation styles. This includes rare earth elements within xenotime and monazite in heavy mineral sands in central Australia and the Tiwi islands, carbonatite-related rare earth elements in Central Australia, discoveries of clay-hosted rare earth elements in the northern half of the Territory and vein-hosted xenotime (heavy rare earth elements) in the Tanami Region.

Rare earth oxide (REO) mineral resources

Name	Total JORC mineral resource	Contained REO (kt)	Company
Nolans	56 Mt @ 2.6% REO, 11% P ₂ O ₅	1456.0	Arafura Rare Earths Ltd
Charley Creek	805 Mt @ 0.029% TREO including 0.04% Monazite, 0.01% Xenotime 0.05% Zr	233.45	Enova Mining Ltd
Total		1,689	

Case study: Nolans

Arafura Rare Earths Ltd | ASX:ARU
www.arultd.com

Arafura Rare Earths Ltd's Nolans project is globally significant with the potential to meet up to 5% of the world's global supply of NdPr. The company has all approvals in place for mining through to onsite separation of rare earths to produce 4,440 tonnes per annum (tpa) of NdPr oxide and 470 tpa of a mixed middle-heavy rare earth (SEC/HRE) oxide (REO). They also plan to produce 144,000 tpa of Fertilizer-grade phosphoric acid (54% P₂O₅).



Proposed rare earth production in the Territory:

- First rare earth production in the Territory is scheduled for 2025-26.
- Australia's first integrated mining and rare earth separation operation planned at Nolans.

Critical minerals in the Northern Territory - 2023

Newly released

Overview of current critical minerals mines, projects, resources and potential in the Northern Territory

Available for download or pick up your copy at the NT booth in the Trade Show

Northern Territory Geological Survey

Department of Industry, Tourism and Trade

Critical Minerals in the Northern Territory 2023

resourcingtheterritory.nt.gov.au

Strong NT Government support for resources exploration and development

RESOURCING THE TERRITORY

A\$9.5 million per year, ongoing initiative to support resource exploration, commencing July 2022

Recent highlights

- \$3 million in grants awarded to co-fund 29 exploration projects in 2022 (including drilling, geophysics and innovative exploration targeting) – **Next round is open**
- 57,000 km² gravity survey acquired to support undercover copper-gold and sediment-hosted copper and zinc exploration
- New project commenced to sample mine waste for critical minerals potential



Thank you

Ian Scrimgeour

Senior Executive Director, Northern Territory Geological Survey





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MARK HEPBURN
MANAGING DIRECTOR, CASTILE RESOURCES

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MARCH 2023

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COMPETENT PERSONS STATEMENTS

The information in this report that relates to Exploration Results and Mineral Resources and Exploration Data is based on, and fairly and accurately represents, information and supporting documentation compiled by Mr. Jake Russell B.Sc. (Hons) MAIG and Mr Mark Savage who each have sufficient experience which is relevant to the styles of mineralisation, the types of deposit under consideration and to the activities 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 (JORC 2012)". Mr Russell is a Member of the Australian Institute of Geoscientists and is a Director of Castile Resources Limited and is eligible to and may participate in any short-term and long-term incentive plans of the Company as disclosed in its annual reports and disclosure documents. Mr Savage is a Member of The Australasian Institute of Mining and Metallurgy and a full-time employee of Castile. Mr Russell and Mr Savage each consent to the inclusion in this report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to Ore Reserves is based on, and fairly and accurately represents, information and supporting documentation prepared by Michael Poepjes. Mr Poepjes is a full-time employee of Castile Resources, and a Member of The Australasian Institute of Mining and Metallurgy. Mr Poepjes has sufficient experience which 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, Exploration Targets, Mineral Resources and Ore Reserves. Mr Poepjes consents to the inclusion in the report of the matters based on the results in the form and context in which they appear.

The information contained in this report that relates to metallurgical results is based on, and fairly and accurately represent the information and supporting documentation prepared by Damian Connelly. Mr Connelly is a full-time employee of METS Engineering who are a Contractor to Castile, and a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Connelly has sufficient experience which 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, Exploration Targets, Mineral Resources and Ore Reserves. Mr Connelly consents to the inclusion in the report of the matters based on the results in the form and context in which they appear.

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PREVIOUSLY REPORTED INFORMATION

This presentation refers to information previously announced to the ASX, including mineral resource estimates, ore reserves and exploration results announced to the ASX on 12 February 2020 in its Prospectus dated 3 December 2019, and exploration results announced to the ASX on 14 and 20 October 2020 and also on 2 November 2020 and ASX:CST Announcement 26 November 2020 "Castile Resources Drilling Program Update" and ASX Announcement 24 May 2021 "High Grade Gold and Copper Results in Drilling at Rover 1", ASX Announcement 2 June 2021 "30g/t Gold and 4% Copper In Assays From Rover 1", ASX Announcement 29 June 2021 "Latest Hits Expand High Grade Gold Zone at Rover 1", ASX:CST August 23, 2021 "More Bonanza Gold Hits Expand Rover 1", ASX:CST August 30, 2021 "Spectacular Copper Hits at Rover 1", September 3, 2021 "ASX:CST Outstanding Metallurgical Results from Rover 1", ASX:CST October 12, 2021 "Castile Resources Drilling Program Update" and ASX:CST November 19 2021 "Additional Environmentally Sustainable Product at Rover 1", ASX:CST 4 March 2022 "Outstanding Recoveries in Gold, Copper and Cobalt at Rover 1" ASX:CST 8 March 2022 "Large Increases in Gold, Copper and Cobalt at Rover 1" ASX:CST 20 April 2022 "Another By-product And Revenue Stream For Rover 1" ASX:CST 4 July 2022 New High Grade Gold Zone Discovered At Rover 1" ASX:CST: 7 July 2022 Rover 1 PFS and Field Activities Update, ASX:CST 18 July 2022 "Rover 4 Drilling Completion And Activities Update", ASX:CST 18 July 2022 Untested Off-Hole Conductor Identified at Explorer 142 ASX:CST 22 July 2022 "Amended – More Copper From Expanded IOCG At Jupiter Deeps" ASX:CST 5 December 2022 Rover 1 Preliminary Feasibility Study Outcomes ASX:CST 30 January 2023 "Quarterly Activities/Appendix 5B Cash Flow Report"

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements or this presentation, and that all material assumptions and technical parameters underpinning the mineral resource estimates and ore reserves continue to apply and have not materially changed.

This presentation was released on 6 March 2023 and was authorised for release by the Board of Castile Resources Limited – Suite 1A, 17 Southport St, West Leederville, WA 6007.



ROVER 1 PRE-FEASIBILITY STUDY OUTCOMES

A Robust Iron Oxide Copper Gold Project (IOCG)



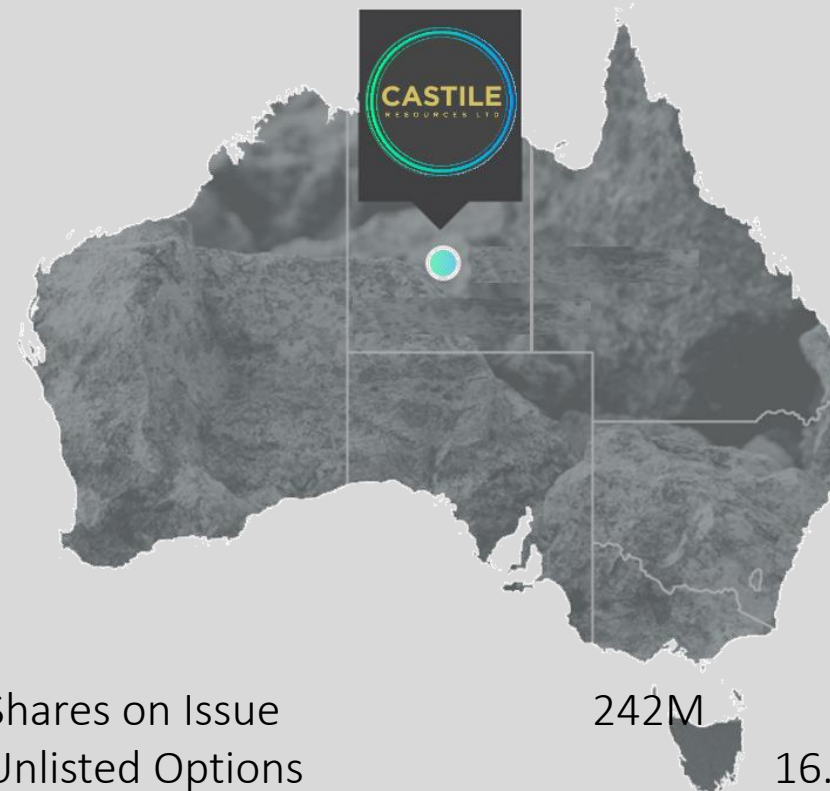
ROVER 1
PRE-TAX NPV^{6.5%}
A\$451.4M



DOWNSTREAM PRECIOUS &
CRITICAL METALS PRODUCED
IN AUSTRALIA



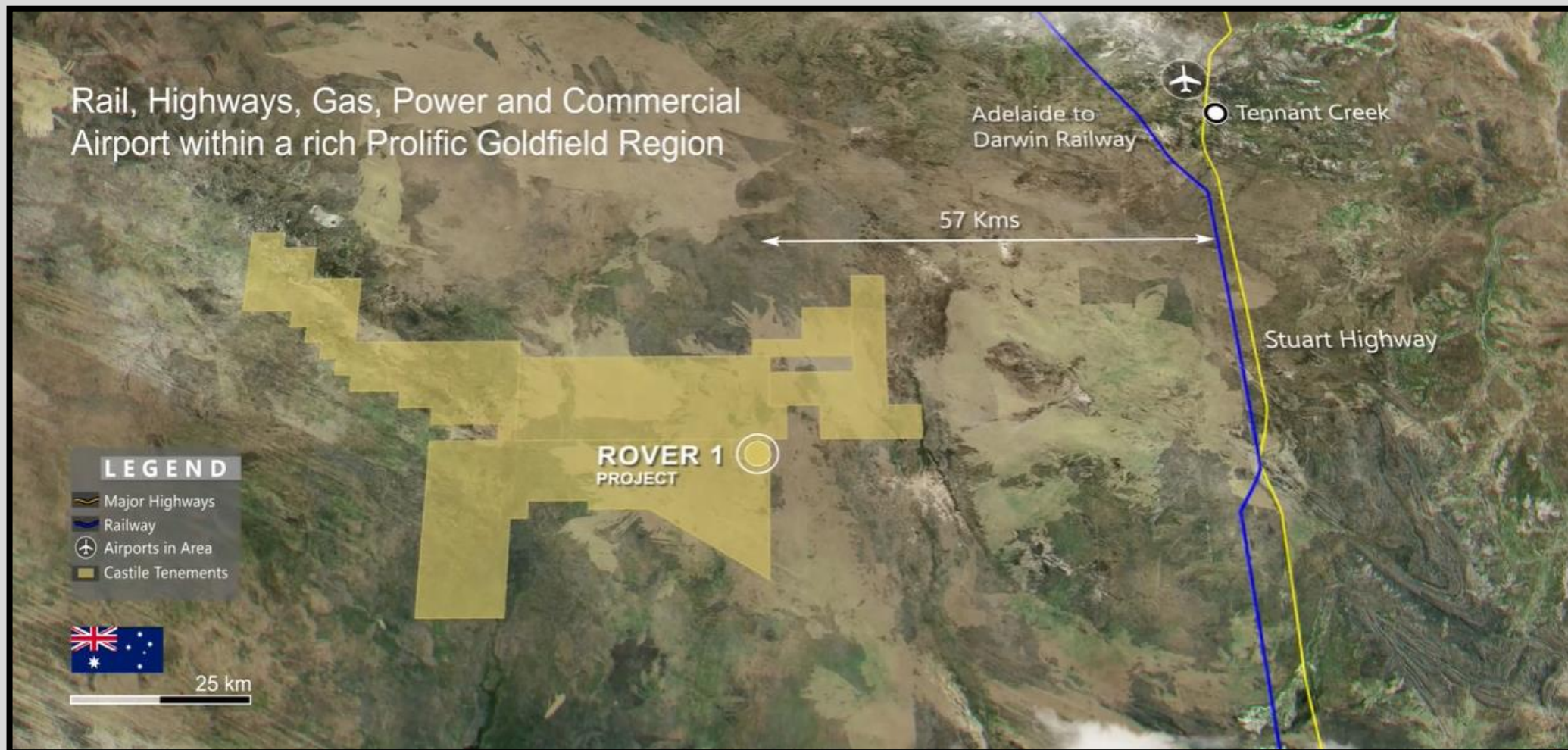
SUSTAINABLE
DEVELOPMENT FOR THE
DECARBONISED FUTURE



Shares on Issue	242M
Unlisted Options	16.6M
Share Price (3 rd March 2023)	10c
Market Cap	A\$24.2M
Cash (31/12/22)	A\$6.45M



ROVER 1 – SURROUNDING INFRASTRUCTURE



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PRECIOUS & CRITICAL MINERAL DOWNSTREAM PRODUCTS PRODUCED ON SITE

A\$225M AVERAGE ANNUAL REVENUE



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Commodity Price Assumptions Used in the Rover 1 PFS

Copper \$US4.25/lb

Gold \$US1,770/oz

Cobalt price \$US60,000/t

96.5% Magnetite \$US234.50/t

Exchange rate of \$US:\$AUD of \$0.67

The Rover 1 Preliminary Feasibility Study Team

- | | |
|--|-------------------------------|
| • Study Compilation | Castile |
| • Geology and Resource Estimation | Castile and Cube Consulting |
| • Geotechnical | Mining One |
| • Mining Engineering Design and Scheduling | Castile |
| • Mine Costing | Castile |
| • Metallurgical Testwork | METS Engineering and ALS Labs |
| • Process Engineering | MACA Interquip |
| • Process Engineering | Sedgman Pty Ltd |
| • Tailing Storage Design | Castile |
| • Power Supply | Castile |
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| • Waste Rock Characterisation | EGi |
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| • Industrial Magnetite Market Analysis | Stratum Resources |

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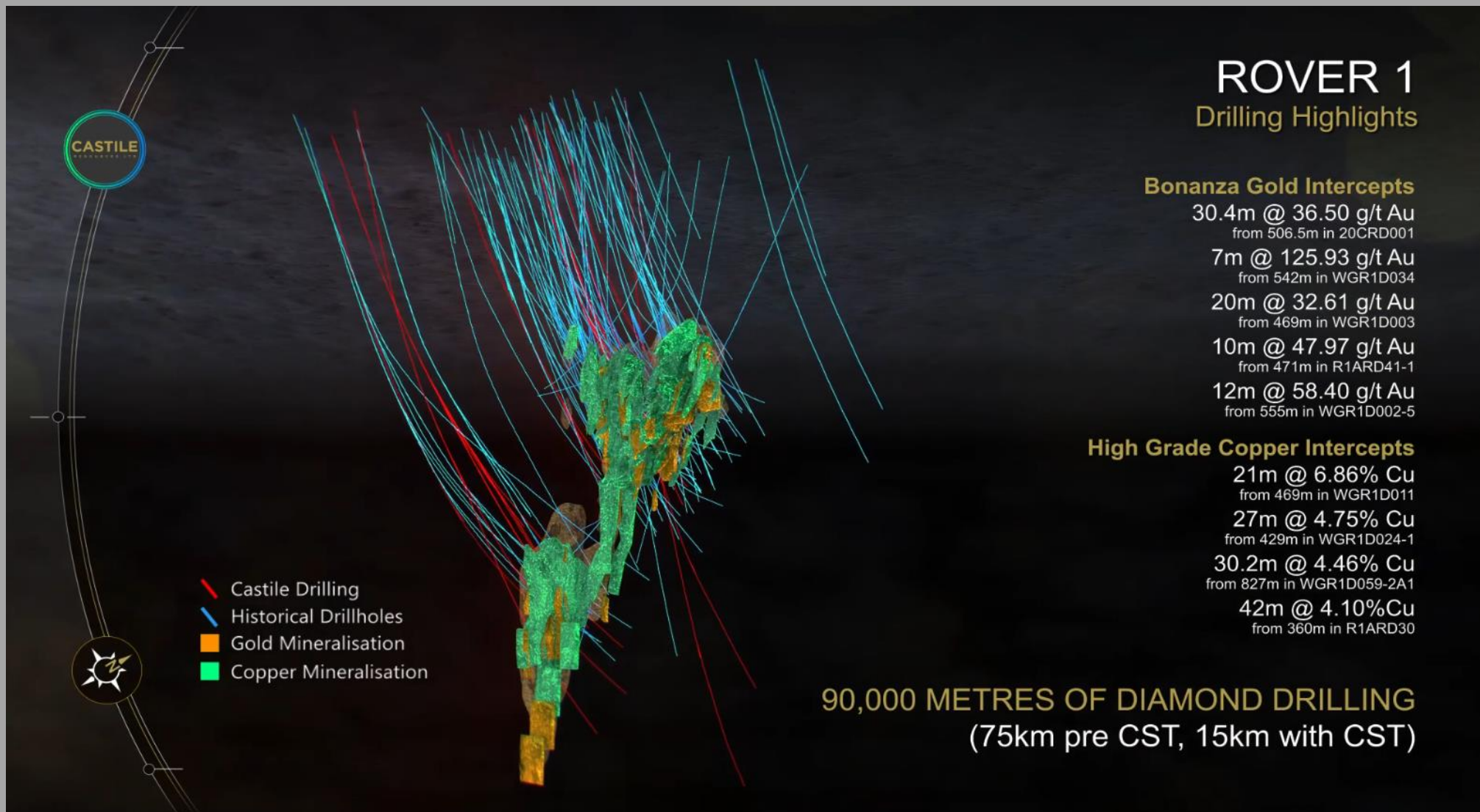


VIDEO

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ROVER 1 – A RICH, HIGH-GRADE IOCG DEPOSIT



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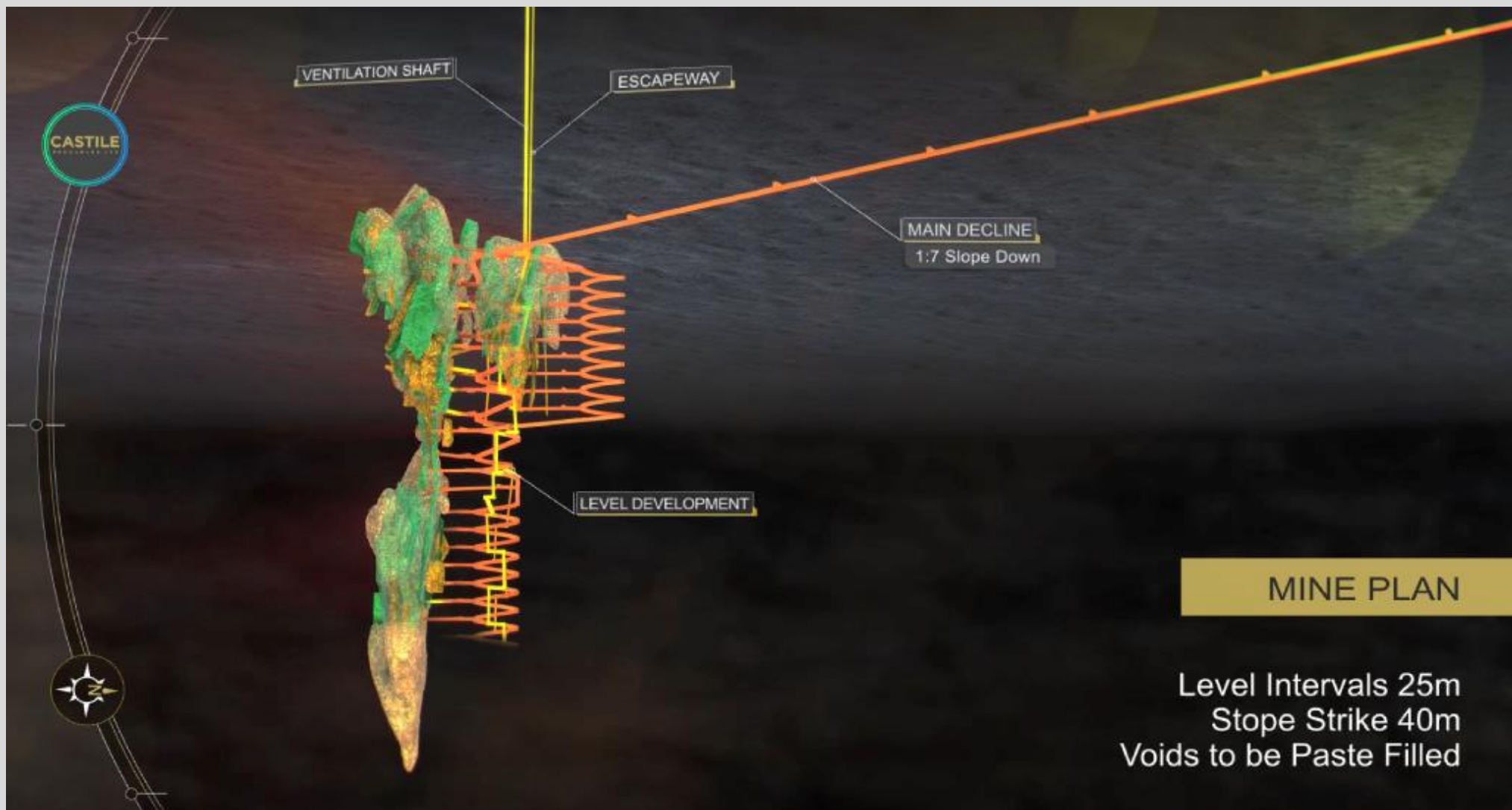
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PROPOSED MINE DESIGN



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TOTAL MATERIAL EXTRACTED & PROCESSED IN THE PFS*¹

	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Probable Ore Reserve	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300
Inferred Mineral Resource*	1.20	1.75	1.17	0.07	20.78	67,800	14,000	800	250,000
Total	4.31	1.94	1.42	0.07	22.33	269,600	61,400	3,100	963,400

PRODUCTION SUMMARY FROM THE PFS

Production Summary	Units	Average Annual Production	Electric Vehicle Metal* ²	Life Of Project
Total Ore Mined	(t Ore)	500,000t		4,315,000t
Gold	(oz Au)	28,700oz Au		252,300oz Au
Copper	(t Cu)	6,900t Cu	38,300 EV's/pa	58,600t Cu
Cobalt	(t Co)	300t Co	21,500 EV's/pa	2,600t Co
Magnetite	(t Fe ₃ O ₄)	75,300t Fe ₃ O ₄		652,000t Fe ₃ O ₄

1* Inferred Mineral Resource has been modified with the same factors as the Probable Ore Reserve. Refer to Section 5 Ore Reserve ASX:CST on 5 December 2022 "Rover 1 Pre-Feasibility Study Outcomes" 2* Assumes 180kgs of Copper and 14kgs of Cobalt required per EV vehicle

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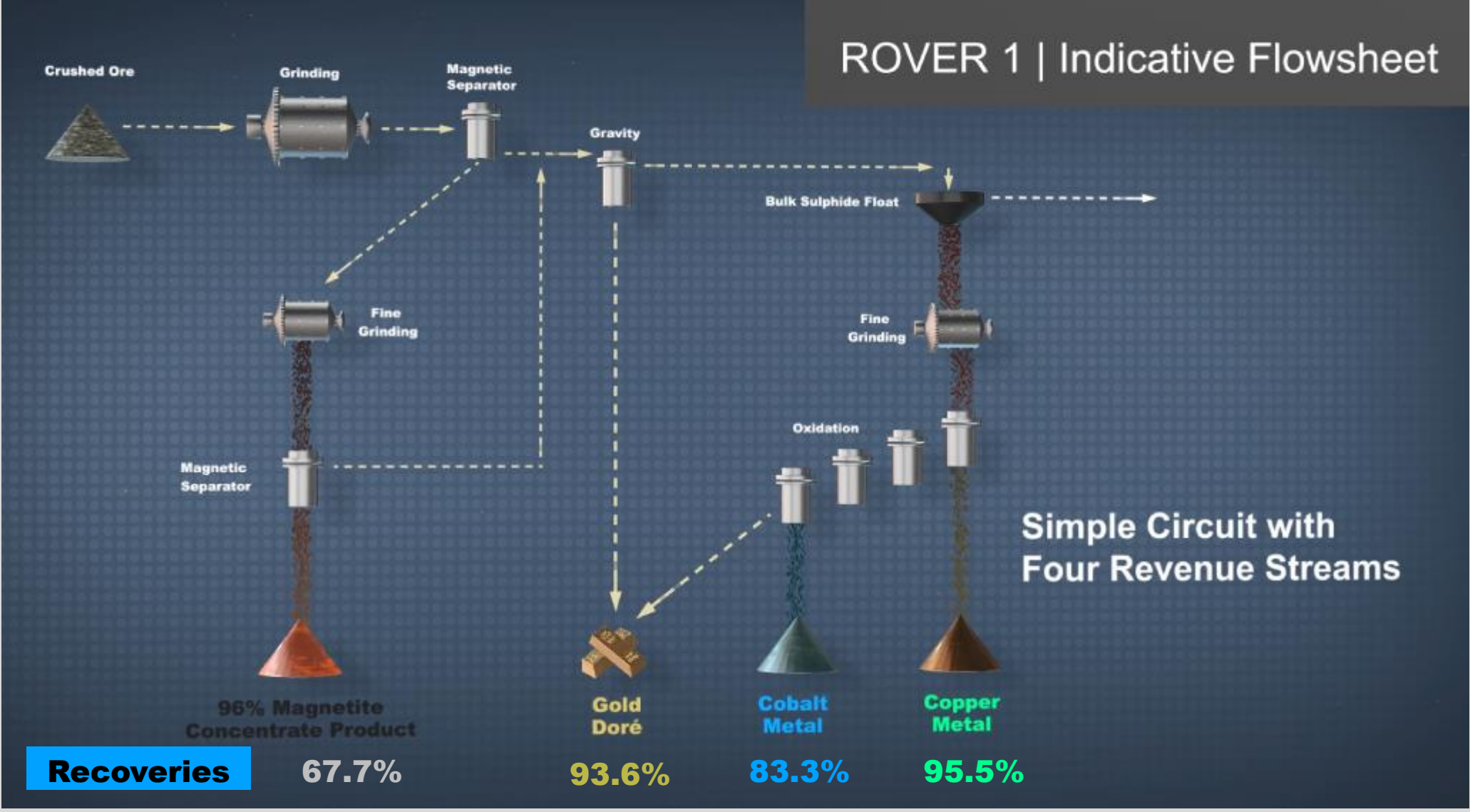
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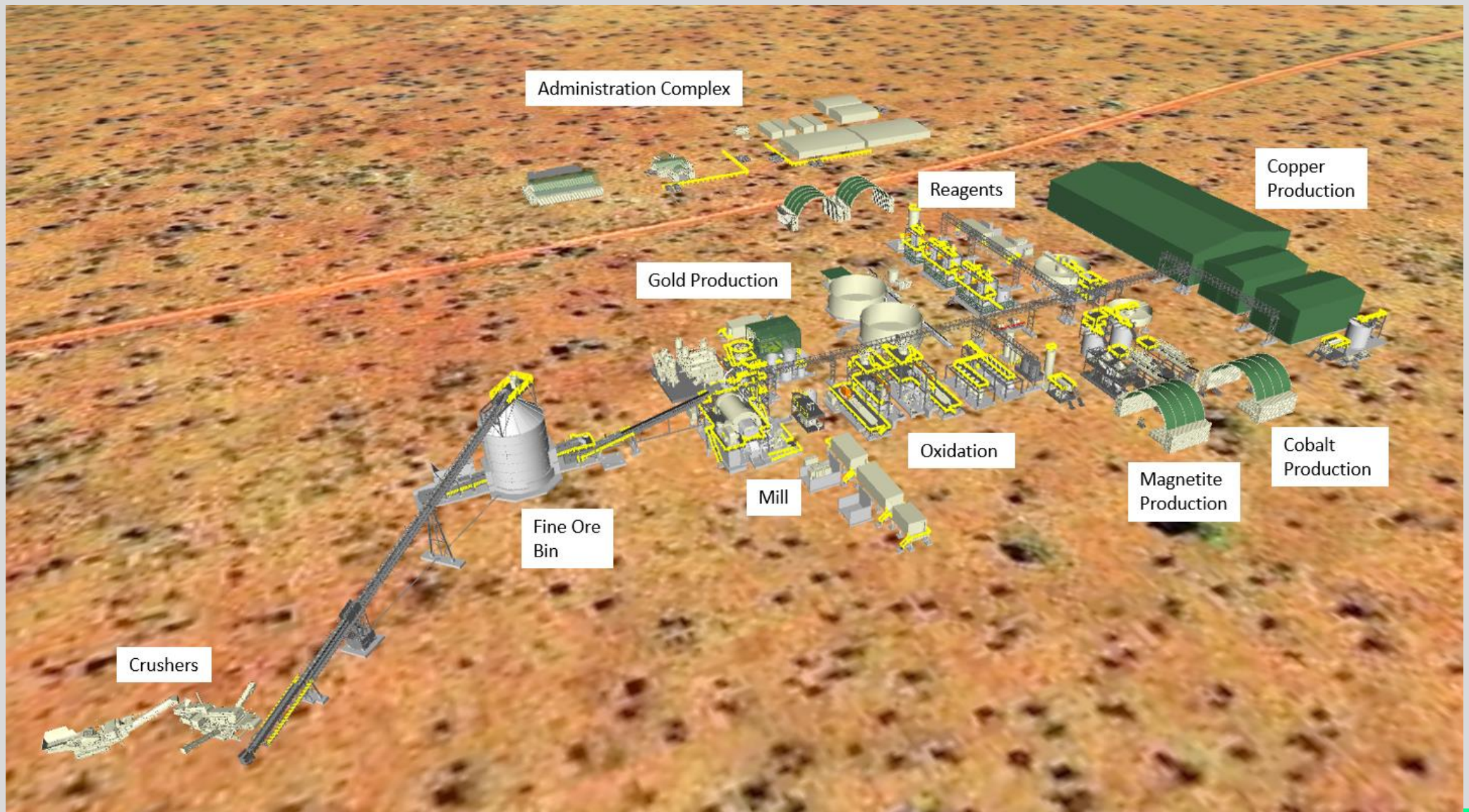
SIMPLIFIED PROCESSING FLOWSHEET



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PROPOSED PROCESSING PLANT LAYOUT





KEY OPERATING AND FINANCIAL HIGHLIGHTS

Project Economics	PFS \$A	PFS \$US
Total Revenue	\$1,943.6M	\$1,302.2M
Project Operating Costs	\$827.7M	\$554.6M
Project Cash Flow	\$1,115.9M	\$747.6M
NPV _{6.5%} (Pre-tax)	\$451.5M	\$302.5M
IRR _(Pre-tax)	45.9%	45.9%
Underlying Mine Profit	\$686.4M	\$460.0M
Average Annual Revenue	\$225.1M/pa	\$150.8M
Average Annual Free Cash Flow	\$109.1M/pa	\$73.1M
Pay-back Period (Post-tax)	31 months	31 months

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FUNDING THE ROVER 1 PROJECT - PREPAYMENTS

Project Development Capital Expenditure \$A	
Mine Infrastructure	\$25.8M
Process Plant	\$160.7M
Surface Infrastructure	\$29.7M
Sub-Total	\$216.2M
Contingency	\$21.6M
Pre-Mining Costs	\$41.7M
TOTAL CAPEX	\$279.5M
Average Annual Free Cashflow	\$109.1M

Total Revenue By Metal \$A	
Copper	\$819.7M
Gold	\$666.7M
Cobalt	\$229.0M
Magnetite	\$228.3M
TOTAL REVENUE	\$1.94 Billion

Annual Production Equivalencies
(expressed as Au or Cu)

**16,100tpa of CuEq at an AISC of
A\$7,030/t (US\$4,710/t or US\$2.13/lb
or
85,400ozpa of AuEq
AISC of A\$1,330/oz (US\$891/oz)**

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FUNDING THE ROVER 1 PROJECT – DEBT FUNDING

The Australian Federal Government has announced debt funding and financial grants programs for Critical Minerals Project with a strategic focus on:

- Critical Minerals Supply Chain Security and Diversification
- Building Downstream Processing Capacity in Australia
- The Creation of Regional Processing and Energy Hubs
- The Use of Clean Energy and production of the commodities required for the Clean Energy Transition
- Attracting Overseas Capital Investment



Castile has undertaken discussions with a number of potential debt providers

COPPER: WHERE'S THE LOVE?



According to Glencore's estimates, under the net-zero emissions pathway of the International Energy Agency (IEA), the world will be more than 50 million tons short of copper between 2022 and 2030.

<https://www.bloomberg.com/news/articles/2022-12-06/glencore-says-this-time-is-different-for-coming-copper-shortage>

The World Bank found that over the next 23 years, the copper industry needs to produce as much copper as humanity has produced in the last 5,000 years to meet the net-zero emissions demand

[The United States and Canada Share Critical Minerals Goals, but Different Critical Minerals \(csis.org\)](#)



TRADITIONAL OWNERS AND CENTRAL LAND COUNCIL

Castile is committed to maintaining strong Territory and local government support

Supporting local communities via employment and enrichment programs

The tenements containing the Rover 1 Project are located on Aboriginal Freehold Lands administered by the Central Land Council (CLC) on behalf of the Traditional Owners of the Karlantijpa North and Karlantijpa South Land Trust.

Castile has a confidential agreement in place with the CLC which is the Rover 1 Deed of Exploration. The deed covers the rights and responsibilities of both parties regarding the project and clearly outlines the actions required for Castile to convert to a Mining Agreement. The process to convert to a Mining Agreement can commence now the PFS is complete.



Strong Community Engagement

Castile has donated Sporting Equipment and Uniforms to all schools within the entire Barkly Region

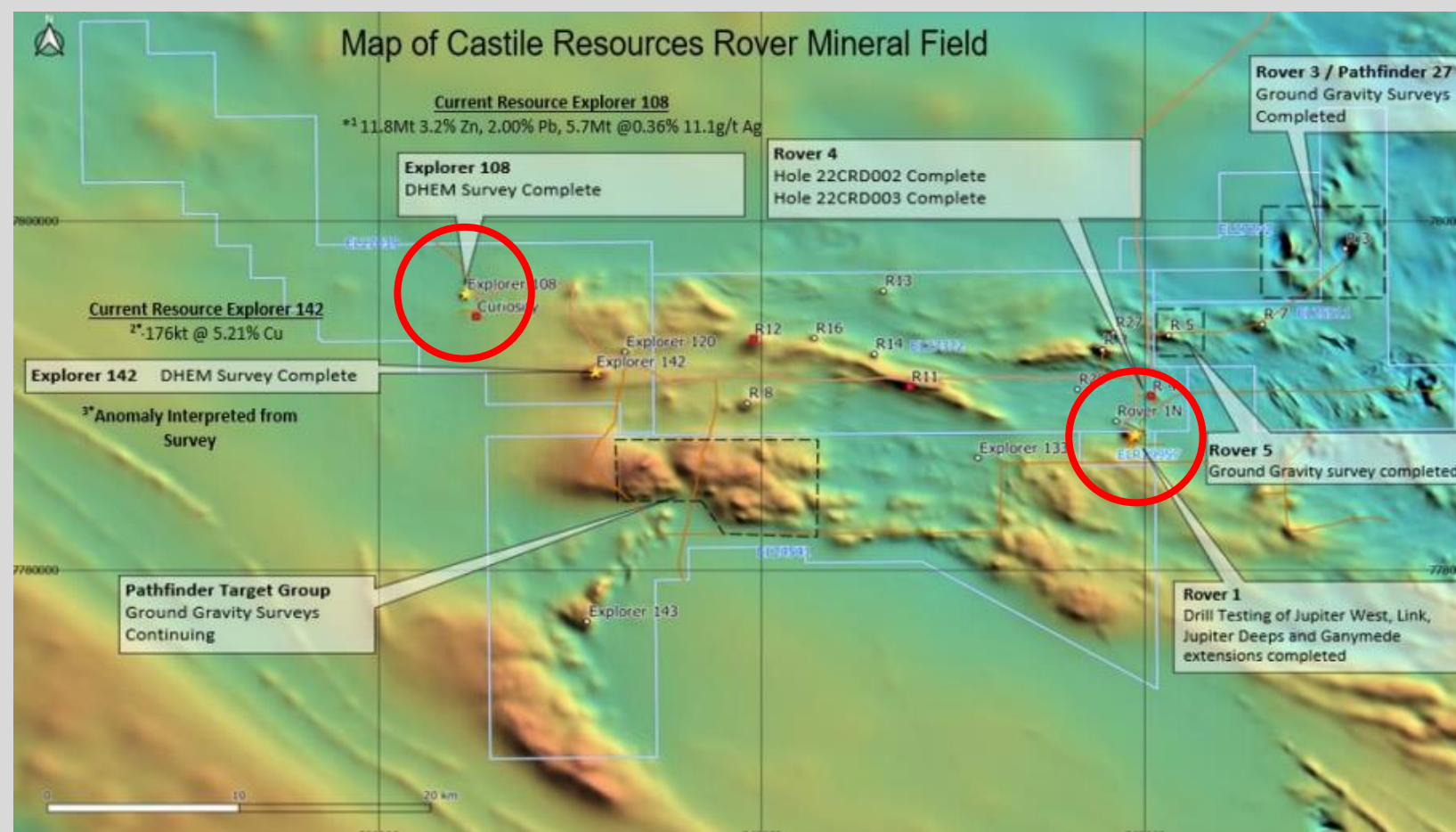




THE NEXT ASSET FOR THE INFRASTRUCTURE

Explorer 108: 11.8Mt @ 3.2% Zn, 2.00% Pb & 5.7Mt @ 0.36% 11.1g/t Ag

Located an easily transportable 40 kms away from Rover 1



^{1*} **Explorer 108** Indicated Resource of 8.438Mt @ 3.41% Zn, 2.05% Pb, 14.32g/t Ag; and Inferred Resource of 3.43Mt @ 2.81% Zn, 1.88% Pb, 3.32% Ag.



PROCEEDING TO BANKABLE FEASIBILITY STUDY

Castile has now progressed the Rover 1 project into a Bankable Feasibility Study (BFS) with expected completion in early 2024. This includes:

- **Final metallurgical test work stage, including the construction and operation of a test pilot plant.**
- Finalisation of data required for the Environmental Impact Statement (EIS) and submission.
- Formal discussions with customers and financial institutions for funding for the project.
- Government engagement and licensing.

DEVELOPMENT SCHEDULE

The following is an indicative timetable for the Rover 1 development:

- | | |
|------------------------------|-------------|
| • Bankable Feasibility Study | 2023 - 2024 |
| • Permitting and Approvals | 2023 – 2024 |
| • Construction Phase | 2024 - 2025 |

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CASTILE RESOURCES

- DEVELOPING THE ROVER 1 MINE TO PRODUCE DOWNSTREAM CRITICAL AND PRECIOUS MINERALS
- COPPER, GOLD, COBALT AND MAGNETITE WITH STRONG LEVERAGE TO KEY CRITICAL METAL – COPPER
- LOOKING TO PARTNER WITH END USER CUSTOMERS AND CONSULTING WITH DEBT PROVIDERS
- LARGE ZINC/LEAD DEPOSIT AS NEXT PROJECT
- STRONG SUPPORT FROM STATE AND FEDERAL GOVT



Mark Hepburn, MD, Castile Resources Limited

Minerals Australia Booth 416

Hall E



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Image Supplied By Epiroc

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ROVER 1 MINERAL RESOURCE ESTIMATE

Class	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Indicated	3.97	1.83	1.59	0.07	23.64	233,800	63,100	2,900	938,000
Inferred	1.61	1.57	1.25	0.07	22.13	81,400	20,100	1,100	357,000
Total	5.58	1.76	1.49	0.07	23.20	315,200	83,200	4,000	1,295,000

ROVER 1 ORE RESERVE

Class	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Probable	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300
Total	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300

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MARCH 2023

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AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Queensland Minerals

Leading Australia in sustainable opportunities

Dr. Helen Degeling
Geological Survey of Queensland



**Queensland
Government**
Australia

Queensland's Critical Minerals

Copper



Cobalt



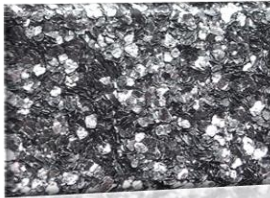
Silver



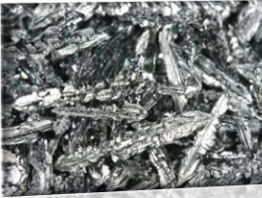
Silica



Graphite



Vanadium



REEs



Bauxite



Indium



Tungsten



Tin



Scandium



Nickel



Uranium



AUSTRALIA MINERALS | QUEENSLAND

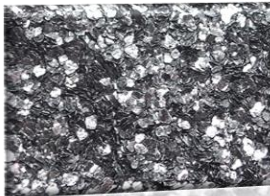


Queensland's Critical Minerals

Copper



Graphite



Indium



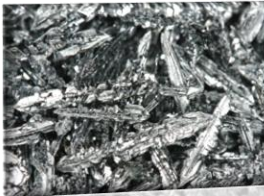
Scandium



Cobalt



Vanadium



Tungsten



Nickel



Silver



REEs



Tin



Uranium



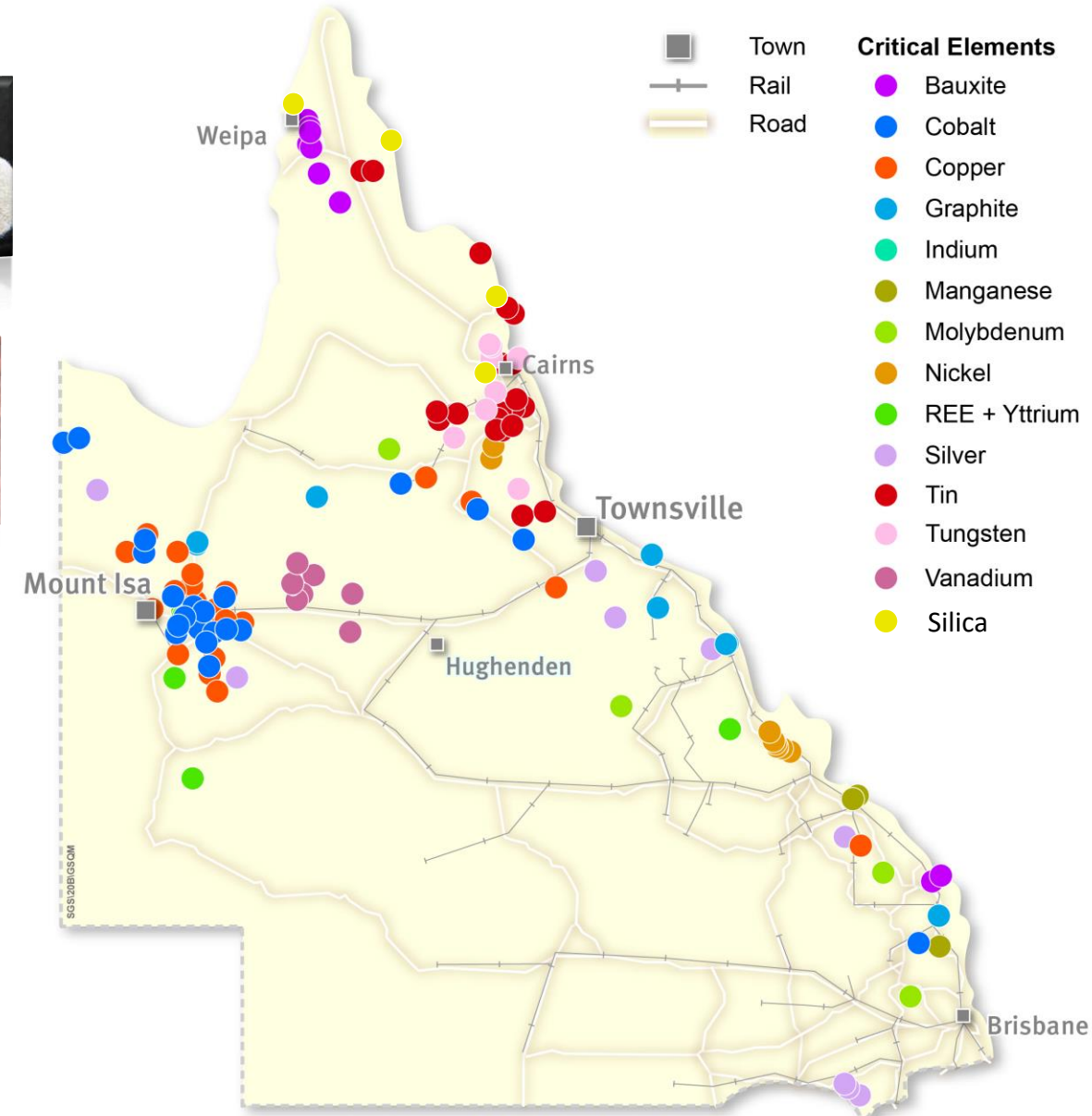
Silica



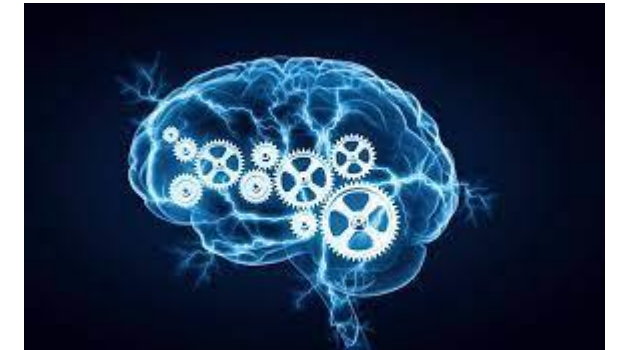
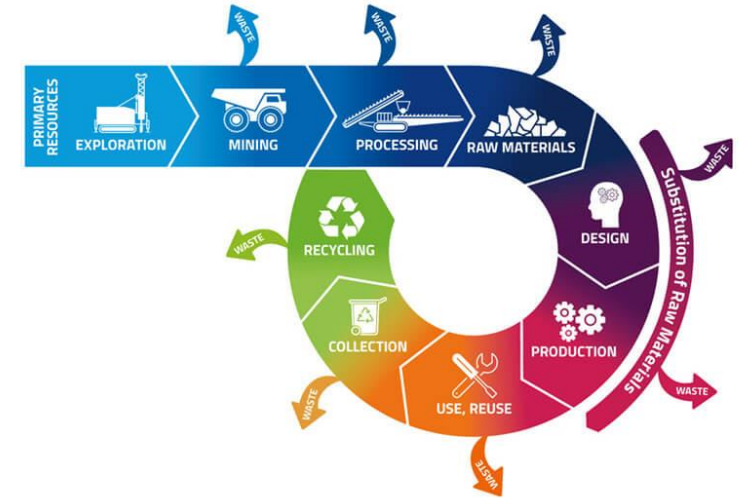
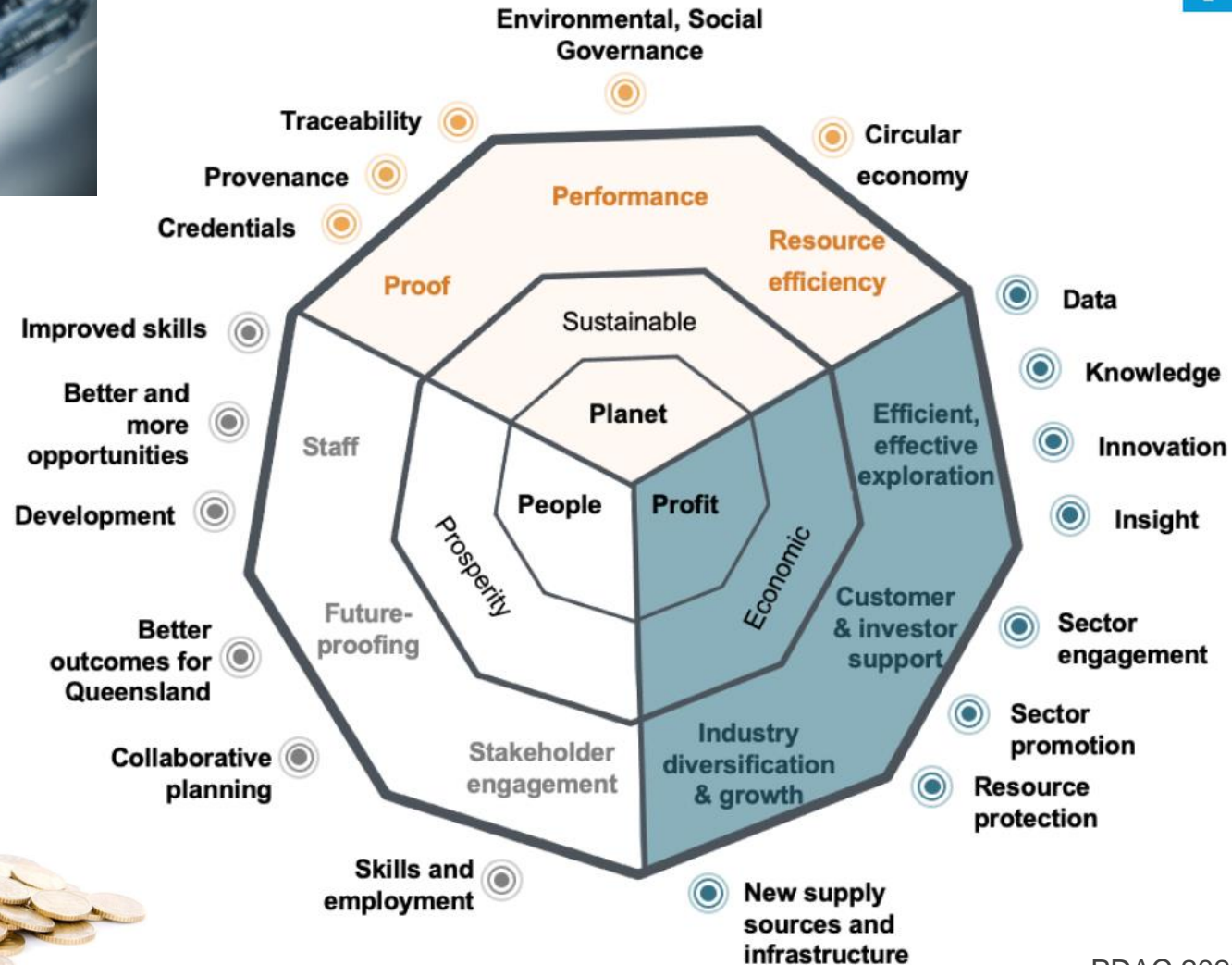
Bauxite



AUSTRALIA MINERALS | QUEENSLAND



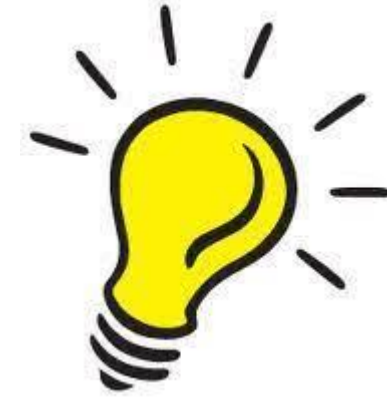
How we operate



The future in Queensland is....

Innovative processing solutions

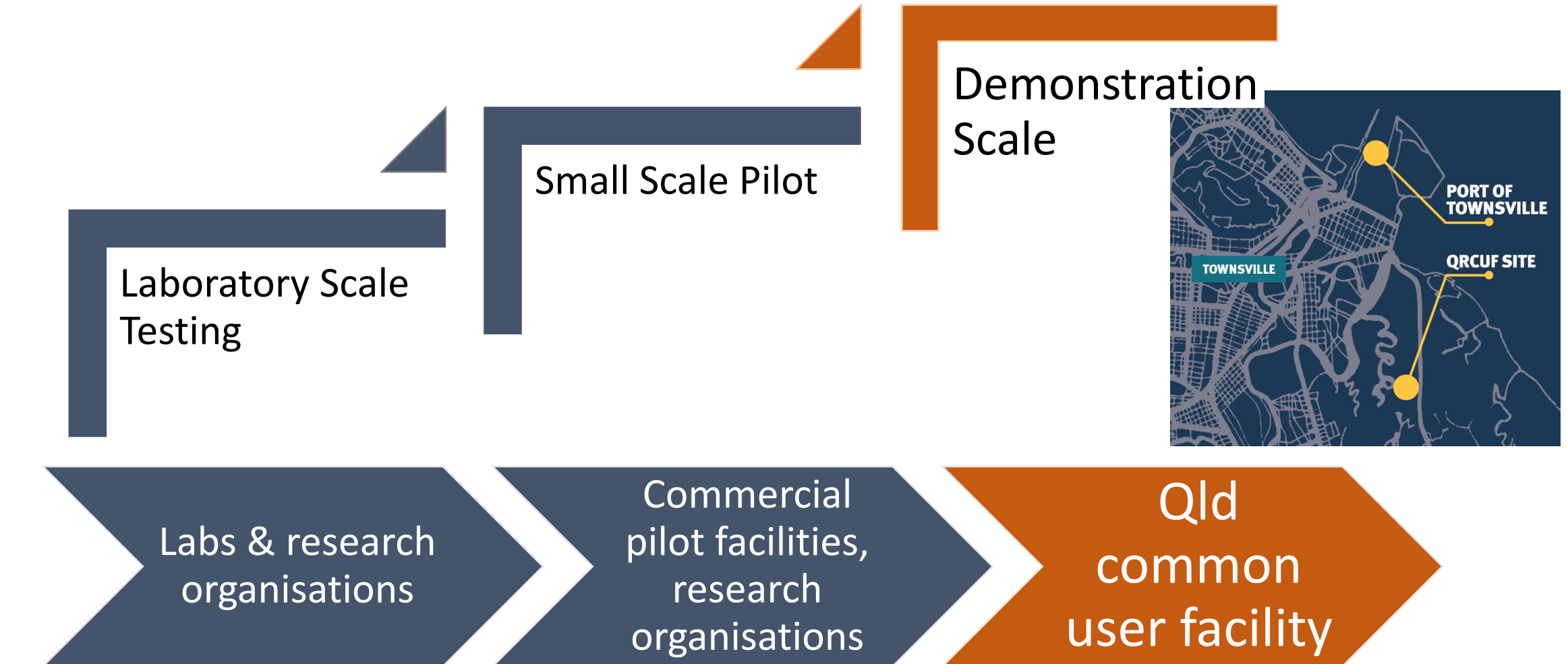
- Processing is complex for most critical minerals



- Government investment in common-user processing infrastructure
- Research on sustainable rare earth processing
- Research on cobalt extraction from pyrite

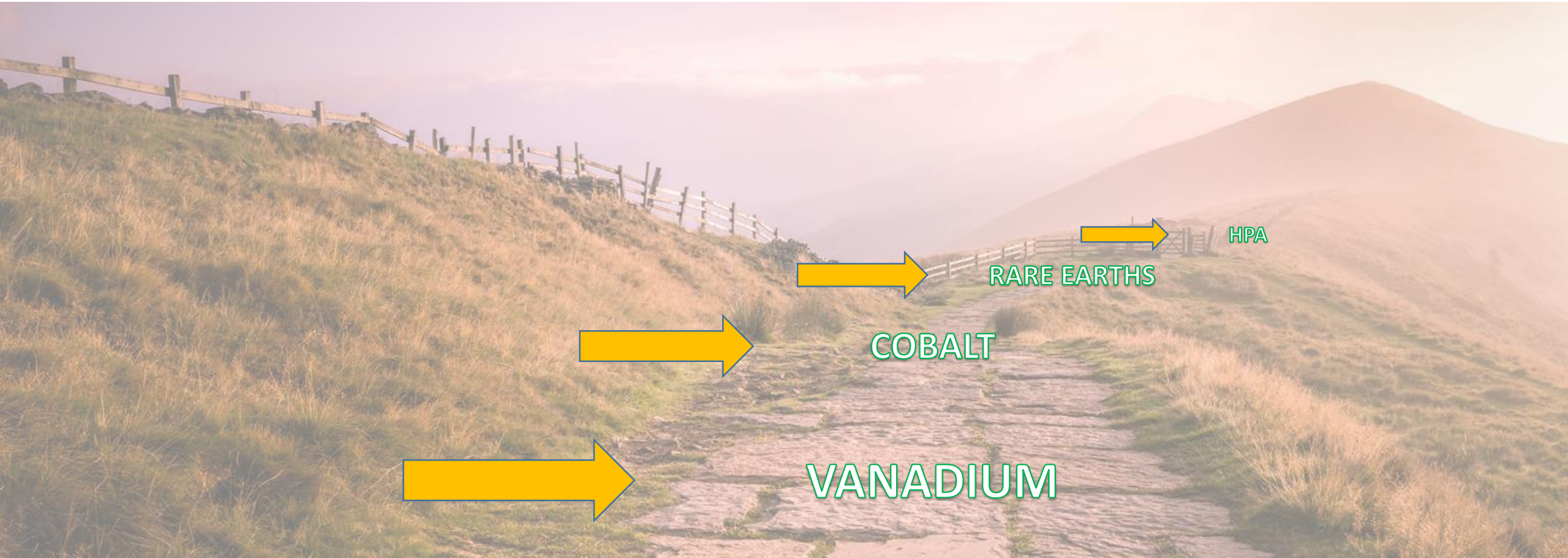
Future-focused investment

- **\$75M AUD** critical minerals demonstration scale plant in Townsville



Future-focused investment

- A carefully planned pathway



Future-focused – beyond mining

Sustainable Extraction of Rare Earth Elements

- Bioleaching
- Phytomining
- Low T/low acid hydrometallurgy

Test REE ore types

- Mary Kathleen type
- Phosphorites
- Peralkaline volcanics
- IOCGs
- Laterites
- Bauxite tailings
- Mineral sands

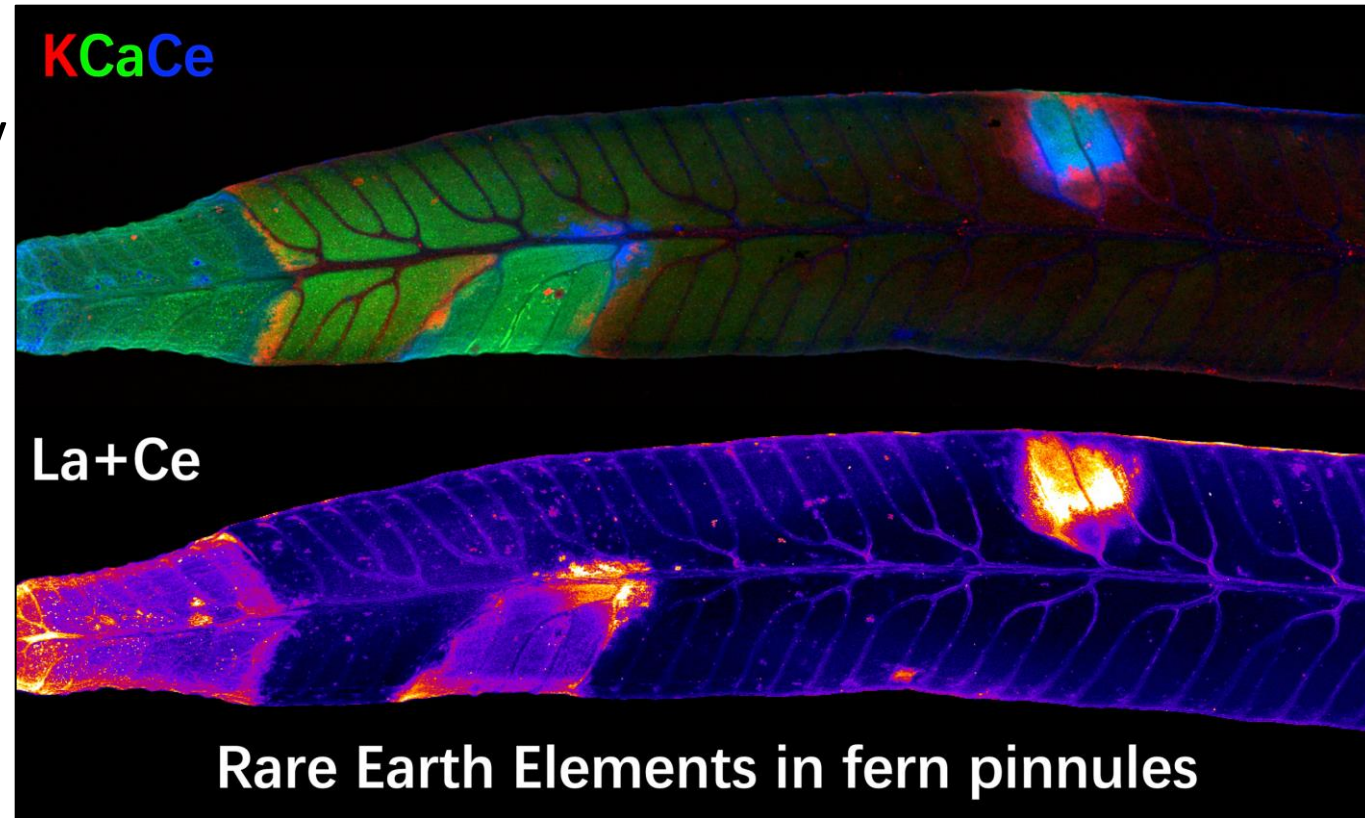


Image credit: Antony van der Ent, University of Qld

The future in Queensland is....

Sustainability and Circularity

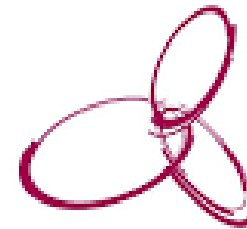
- Shifting focus from conventional to innovative
- Traceability and provenance
- Proving our ESG 'metrics'

- **Digital traceability** – being systems-ready for mineral passports
- **REE fingerprinting** research
- Supporting circular projects, including **re-processing of mine waste**

EVERLEDGER



Sustainable Minerals Institute



Institute for
**Sustainable
Futures**



AUSTRALIA  MINERALS | QUEENSLAND

PDAC 2023 | 6 March 2023 | #AustraliaMinerals

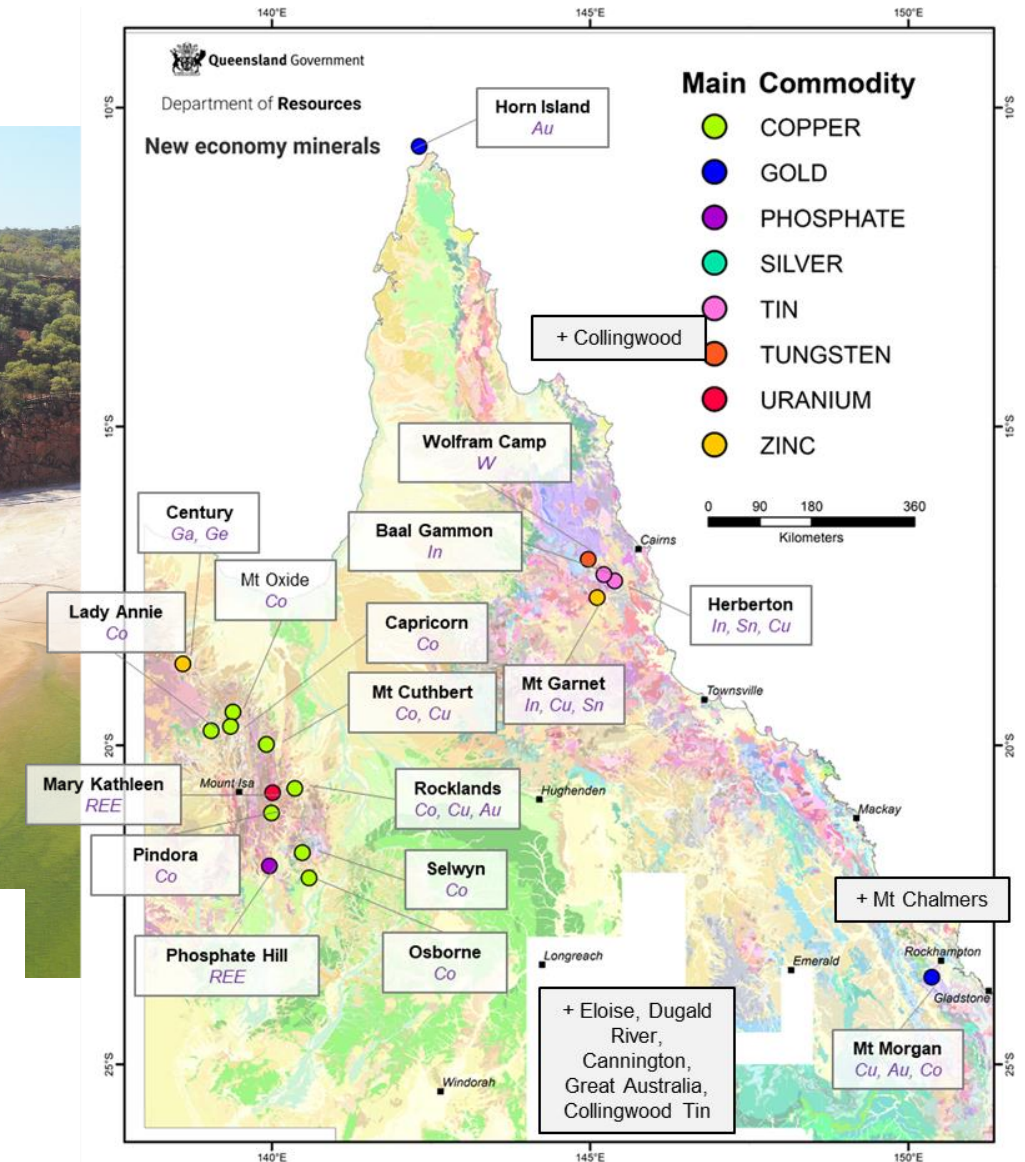
Sustainability – Mineral resources beyond mining

Secondary prospectivity

- Queensland contains:
 - 78 inactive tailings facilities
 - 80 active tailings facilities
- Assessment of non-traditional commodities at existing mine sites
 - Cobalt with copper,
 - REE with phosphorite, IOCGs
 - indium with tin



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA



Sustainability – Mineral resources beyond mining

Minerals traceability

- Physical
 - Nd-isotope fingerprinting
- Digital
 - Blockchain and other solutions
 - Industry is 'passport-ready'

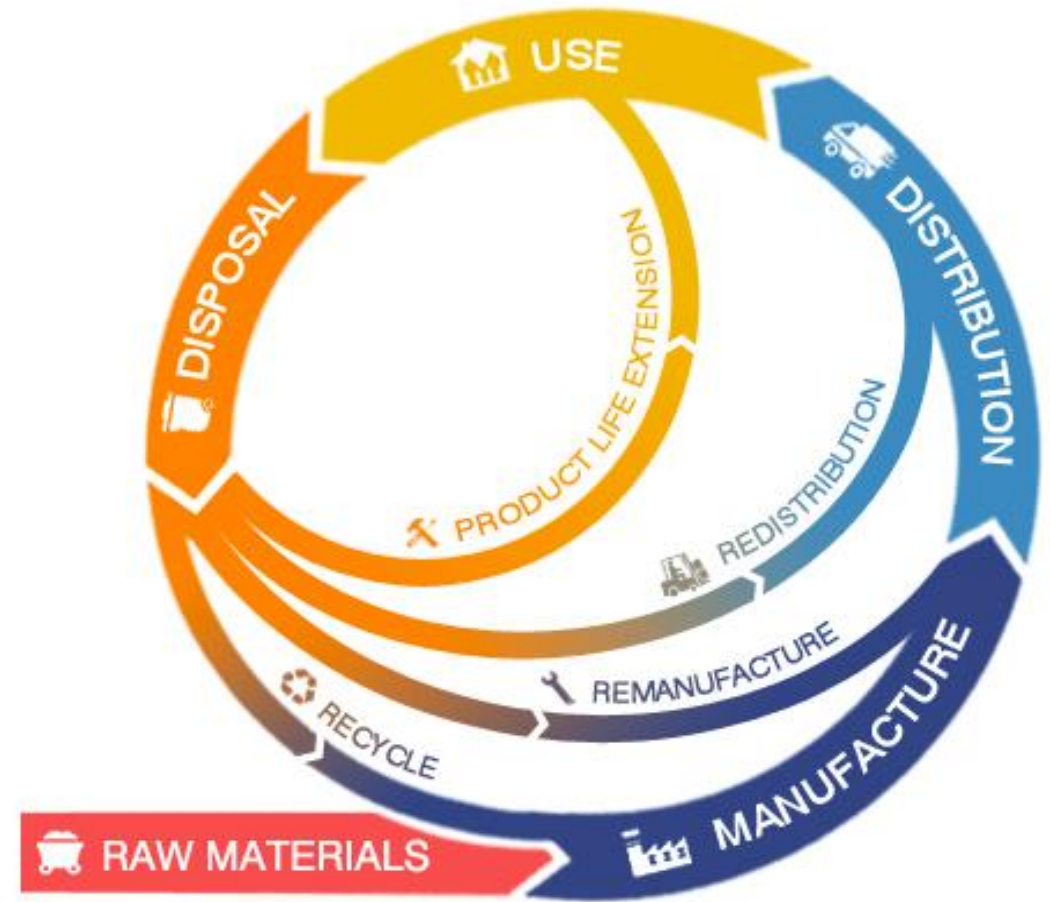


EVERLEDGER



Sustainability – Mineral resources beyond mining

- Removing the rhetoric around ESG
 - Proof and certification
 - Regulatory reform
 - Decarbonisation plan
- Traceability and transparency
- Circular Economy in Mining
- Sustainable operations
- Design out waste



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Queensland's time to shine at the **WORLD MINING CONGRESS**

3000
delegates from
50 countries



\$10–\$20
million
economic benefit to Queensland



200
CEOs
from mining companies
across the world



**26th World
Mining Congress**
BRISBANE AUSTRALIA
26–29 JUNE 2023

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Thank you

Dr. Helen Degeling
Geological Survey of Queensland



**Queensland
Government**
Australia



CURRIE ROSE
RESOURCES INC

TSXV CUI

North
Queensland
Vanadium Project
Australia

District-Scale, Advanced-Stage Battery Metal Asset within
the World-Class Vanadium Hub

March 2023

Why Currie Rose?



Vanadium is on the **critical minerals** list, is a great alternative to lithium batteries, essential to global economic security and transition to a low carbon economy. Demand largely outweighs supply.

The **Queensland Government** is allocating an initial A\$70 million to support development of a common user facility to process vanadium concentrate domestically at Townsville.

Expansive **sedimentary oxide vanadium** project with NI 43-101 compliant Indicated **Cambridge Resource** of 61.33Mt @ 0.34% V_2O_5 and Inferred Resource of 144.87Mt @ 0.33% V_2O_5 .

Positive preliminary **metallurgical study** (2018) - update underway.

Significant potential for expansion.

Management team with proven geological track record and intimate knowledge of the region.

ASX-listed majors Chalice Mining and Liontown Resources are large shareholders.



Key Battery Metal
in the New Green Economy



Mining-Friendly
Jurisdiction



Significant NI 43-101 Resource
+ Blue Sky



Experienced Team
+ Strong Shareholder Base



North Queensland Vanadium Project (NQVP)

Commodity

Vanadium has been identified by Canada, the US, and Australia as critical mineral for steel alloy production and large low-carbon power applications

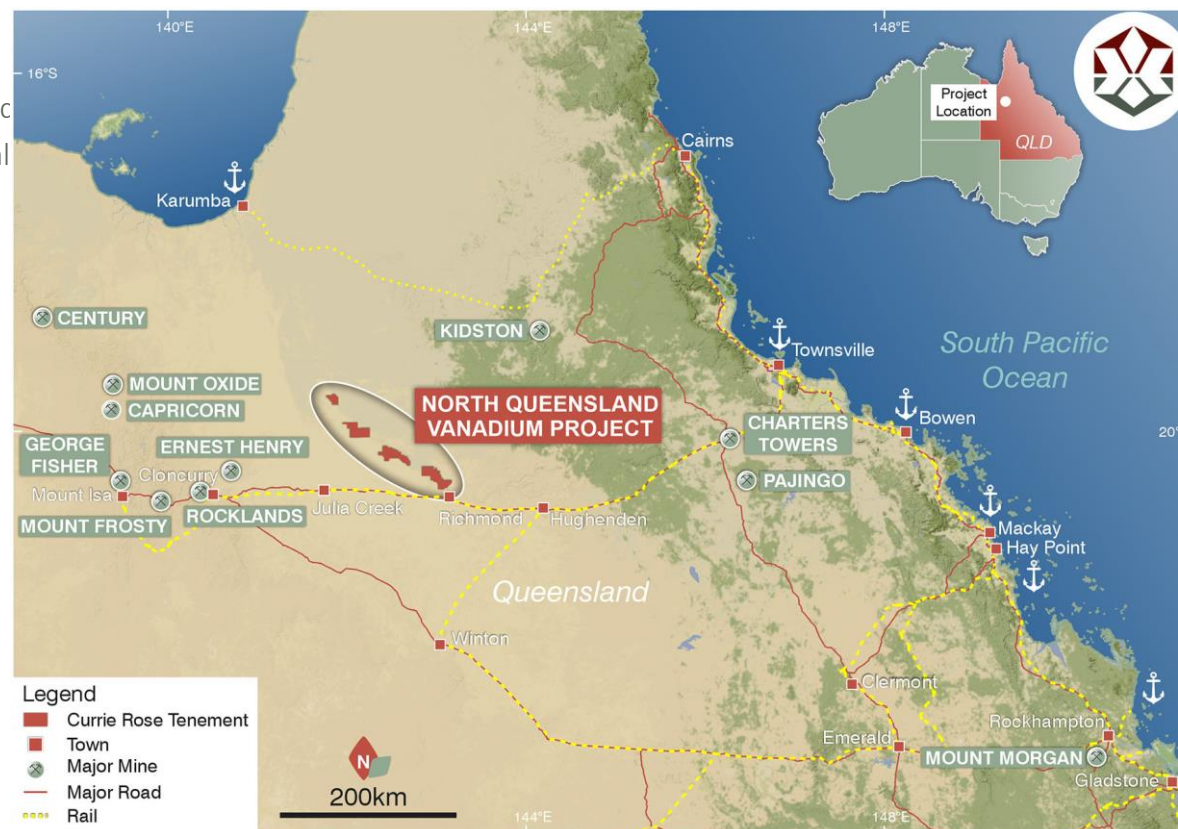
Also present: Zinc and Molybdenum credits

Location

Mid-way between Mt Isa and the Port of Townsville and serviced by the town of Richmond

Infrastructure

Rail, road, power and port access with statewide skilled workforce



Area

Seven EPMs covering 1,246km² on private land, within the Julia Creek-Richmond Vanadium Hub; with no known Native Title claims

Resources

NI 43-101 compliant
Cambridge Vanadium & Molybdenum Resource:

61.33Mt @ 0.34% V₂O₅ Indicated

144.87Mt @0.33% V₂O₅ Inferred

239.7ppm MoO₃ (average grade)

Drill Targets

Three advanced drill targets:

Flinders River, Runnymede
& Silver Hills



Cambridge Vanadium Deposit

Preliminary Metallurgy

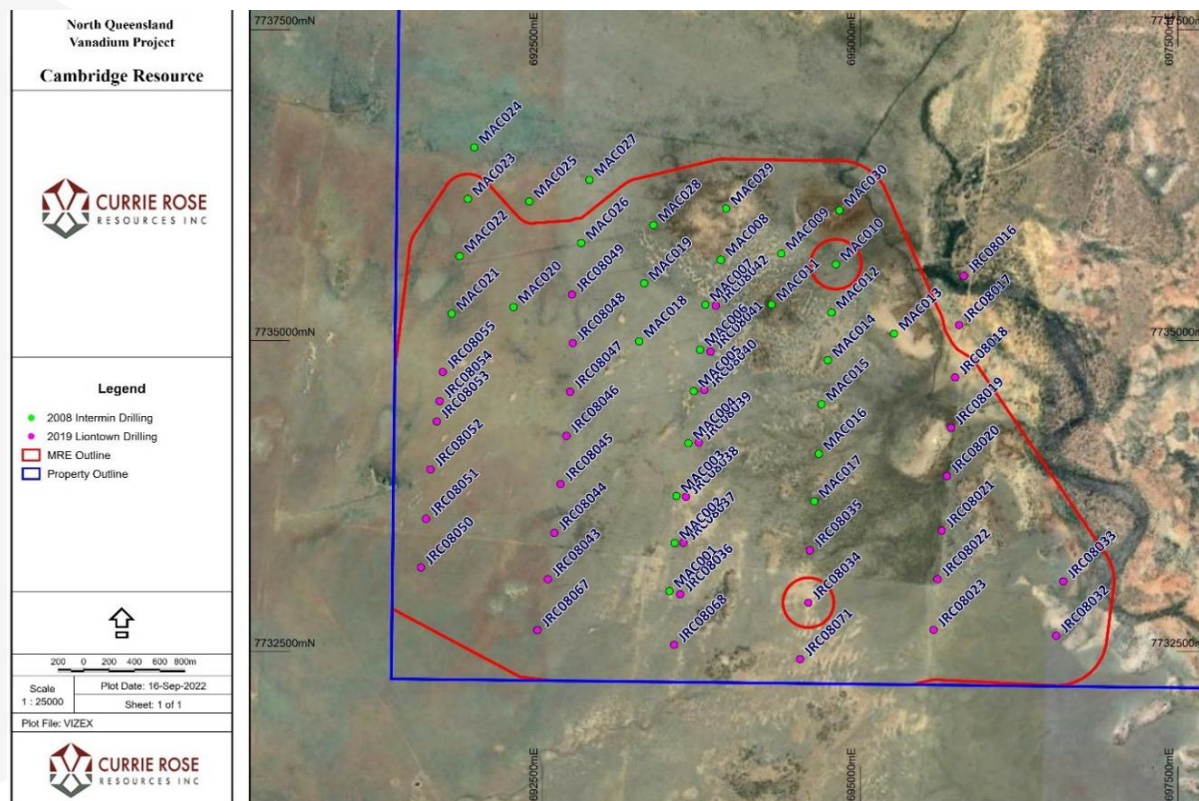
Results of the 2018 study:

- Oxides, shallow, soft, friable
- Low strip ratio
- Suitable for pre-concentration
- Amenable to acid leaching
- Potential for High-Purity Alumina

New metallurgical study is underway: ore characteristics, mineralogy and beneficiation work

Potential Extension

- Mineralization open to north
- Recent drilling returned ore-grade results



Initial Inferred Cambridge Resource released in 2018 was 84Mt @ 0.30% V_2O_5 – the updated number in 2022 showed a 72% increase as well as an upgrade in the category.

2022 Resource

Category	Tonnes (MMT)	V_2O_5 %	MoO_3 (ppm)
Inferred	144.87	0.33	241.9
Indicated	61.33	0.34	234.6

Cambridge Resource Estimate at 0.25% Vanadium Cut-Off Grade

Extension of Lilyvale

- Easterly extension of Horizon Minerals Resource
- Expect same mineralogy and metallurgical performance
- Lilyvale Resource in Feasibility stage



Forward-Looking Statement

Neither the TSX Venture Exchange nor its regulation services provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this Presentation.

“This Presentation includes certain forward-looking statements or information. All statements other than statements of historical fact included in this release, including, without limitation, statements relating to the potential mineralization and geological merits of the and properties and other future plans, objectives or expectations of the Company are forward-looking statements that involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's plans or expectations include risks relating to the actual results of current exploration activities, fluctuating gold prices, possibility of equipment breakdowns and delays, exploration cost overruns, availability of capital and financing, general economic, market or business conditions, regulatory changes, timeliness of government or regulatory approvals and other risks detailed herein and from time to time in the filings made by the Company with securities regulators. The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise except as otherwise required by applicable securities legislation.”

The planning, execution and monitoring of quality control programs on the Company's projects are under the supervision of Michael Griffiths, BSc Dip Ed, FAusIMM, GAICD, Currie's President. Mr. Griffiths is the qualified person as defined by National Instrument 43-101. Currie utilizes an industry standard QA/QC protocol with respect to sampling procedures. Blanks and certified reference standards are inserted into the sample stream to monitor laboratory performance and duplicates of pulps and bulk rejects are also used to monitor laboratory performance. Mr. Griffiths has reviewed and approved the contents of this Presentation.

Additional information and public documents about Currie can be viewed at the Company's website www.currierose.com or at www.sedar.com.



CURRIE ROSE

R E S O U R C E S I N C

TSXV CUI

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AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

New South Wales

A globally significant mining province

Yvette Lloyd

Director, Industry Development
Mining, Exploration and Geoscience
Department of Regional New South Wales



Importance of the New South Wales (NSW) mining industry



45% of state's merchandise export revenue



AU\$3.7 billion in royalties in 2021–22 – driven by coal mining



Around 28,000 jobs directly created from mining



Major contributor to regional areas – AU\$17 billion to GSP



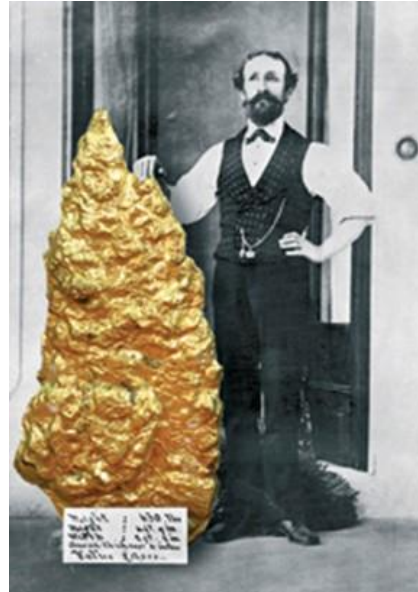
36 coal mines and 12 metals and industrial minerals mines

Mineral endowment

Deposits for **17** of Australia's **24** critical minerals

World

- largest silver-lead-zinc deposit
- largest gold specimen – the ‘Holtermann Nugget’
- largest concentration of scandium

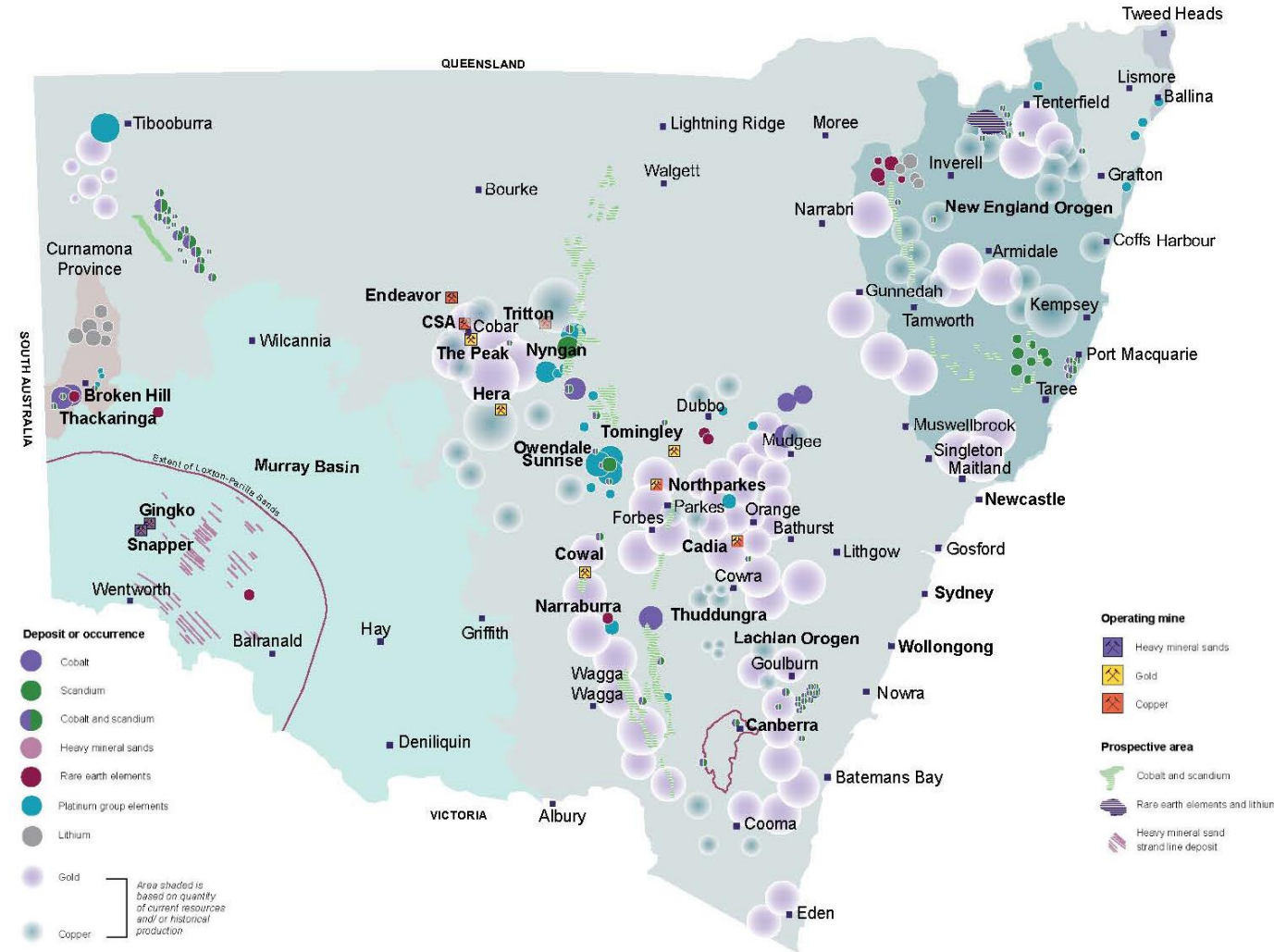
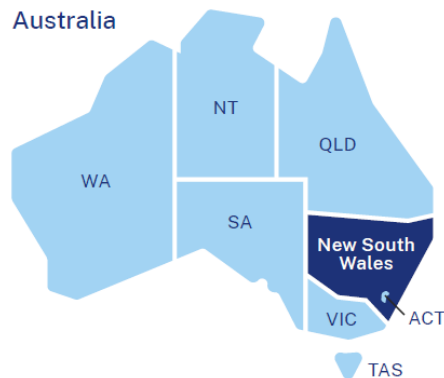


Australia

- largest gold producer
- one of the largest nickel-cobalt resources in the world
- Well-established coal mining operations

Mineral endowment – exploration

- Only 7% of drilling is deeper than 150 metres
- Highly prospective for critical minerals – cobalt, scandium, REE, heavy mineral sands
- 44 critical minerals projects in NSW



Value proposition – the state of New South Wales

Low-risk, stable jurisdiction – AAA rating

Australia's largest and most diversified economy

Highly skilled workforce

Established export infrastructure, with continued investment

New large-scale renewable energy zones



Value proposition – strong ESG

A long history of strong social and environmental protections

Support long-term relationships with community and certainty for investors

Approvals framework supports community consultation, native title resolution & best practice rehabilitation

NSW projects meeting most international ESG standards through approvals process



Assistance for explorers

- Largest ever investment in geophysical surveys

Partnering with Geoscience Australia in AUD\$4.5 million program

World-class pre-competitive data available for industry

Dedicated web mapping application – MinView

Grants for explorers – AU\$1.5 million round 5 New Frontiers Program



Meet us at the Australia Minerals Pavilion

NSW is a low risk jurisdiction with strong ESG standing

World-class mineral deposits

NSW Government investment to develop our critical minerals and high-tech metals sector

Our **Mining Exploration and Geoscience Team** is your key point of contact in the NSW Government for all mining, exploration and investment enquiries



Thank you

Yvette Lloyd

Director, Industry Development
Mining, Exploration and Geoscience
Department of Regional New South Wales



Contact:

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mining.concierge@regional.nsw.gov.au

Company Presentation PDAC 2023

Ian Gandel, Chair

6th March 2023

Rare Earths.
Critical Minerals.
High-tech Metals.

Disclaimer & Competent Person's Statement

Forward Looking Statements

This presentation contains certain statements which constitute “forward looking statements”. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “plan”, “believes”, “estimate”, “anticipate”, “outlook” and “guidance”, or similar expressions, and may include, without limitation, statements regarding plans; strategies and objectives of management; anticipated production and production potential; estimates of future capital expenditure or construction commencement dates; expected costs or production outputs; estimates of future product supply, demand and consumption; statements regarding future product prices; and statements regarding the expectation of future Mineral Resources and Ore Reserves.

While these forward-looking statements reflect the Company's expectations at the date of this presentation, they are not guarantees or predictions of future performance or statements of fact. The information is based on the Company forecasts and as such is subject to variation related to, but not restricted to, economic, market demand/supply and competitive factors.

Forward looking statements are only predictions and are subject to known and unknown risks, uncertainties, assumptions, and other important factors that could cause the actual results, performances or achievements of the Company to differ materially from future results, performances or achievements expressed, projected or implied by such forward looking statements.

Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date thereof. Except as required by applicable laws or regulations, the Company does not undertake to publicly update or review any forward-looking statements, whether as a result of new information or future events. The Company cautions against reliance on any forward-looking statements or guidance, particularly in light of the current economic climate and the significant volatility, uncertainty and disruption arising in connection with COVID 19.

Information on likely developments in the Group's business strategies, prospects and operations for future financial years and the expected results that could result in unreasonable prejudice to the Group (for example, information that is commercially sensitive, confidential or could give a third party a commercial advantage) has not been included below in this presentation. The categories of information omitted include forward looking estimates and projections prepared for internal management purposes, information regarding the Company's operations and projects, which are developing and susceptible to change, and information relating to commercial contracts.

Competent Person

The information in this Presentation that relates to ASM's Mineral Resources or Ore Reserves is extracted from ASM's ASX announcement titled “Information Memorandum and Demerger Booklet” released to ASX on 29 July 2020 and is available at www.asx.com.au. ASM confirms that it is not aware of any new information or data that materially affects the information included in that original market announcement and that all material assumptions and technical parameters underpinning the estimates in that announcement continue to apply and have not materially changed. ASM confirms that the form and context in which the findings of the Competent Person are presented have not been materially modified from the original market announcement.

Previously reported information

Information prepared and disclosed under the JORC Code has not materially changed since last reported in Company's ASX announcements available to view on the Company's website. The Company is not aware of any new information or data that materially affects the information included in this presentation and confirms that the material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

Registered office and principal place of business

Level 4, 66 Kings Park Road West Perth WA 6005 Telephone: +61 8 9200 1681

ASM

Building a global rare earths and critical minerals business to provide the high-tech metals needed to solve the challenges of today and the future.



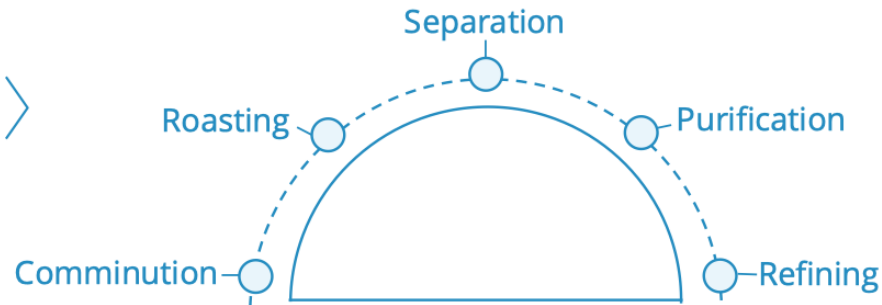
Establishing an integrated supply chain

DUBBO PROJECT

Mining



On-site Processing



Products

- Neodymium praseodymium oxide
- Terbium oxide
- Dysprosium oxide
- Zirconia
- Hafnia
- Ferro Niobium

Status

- Optimisation Study delivered
- Approvals in place
- EPC Definition with HEC commenced
- Engaging with strategic investors
- Securing offtakes

KOREAN METALS PLANT

Feedstock

3rd party feedstock until Dubbo Project on-line

Metallising

Enhancing established processes

Products

- Neodymium praseodymium metal
- Neodymium iron boron alloy

Status

- Sales commenced
- Finalising alloy commissioning
- Building customer base

3rd party feedstock

Using innovative LK Process

- Titanium alloys
- Titanium powders

- Alloy development underway
- Building customer base

3rd party feedstock until Dubbo Project on-line

Developing innovative LK Process

- Terbium metal
- Dysprosium metal
- Zirconium metal
- Hafnium metal

- Future development



Dubbo Project - Toongi Deposit



Dubbo Project key facts



Close to established infrastructure

25kms from Dubbo, NSW
400kms northwest of Sydney



Rare earths and critical minerals resource

Rare Earths
Zirconia
Hafnium
Niobium



20-year life of mine

Further 50 years of resource



Construction readiness

All major approvals in place
Land and water licences owned
EPC Definition commenced



Advanced flowsheet

Developed in partnership with
ANSTO over 16 years



Workforce opportunities

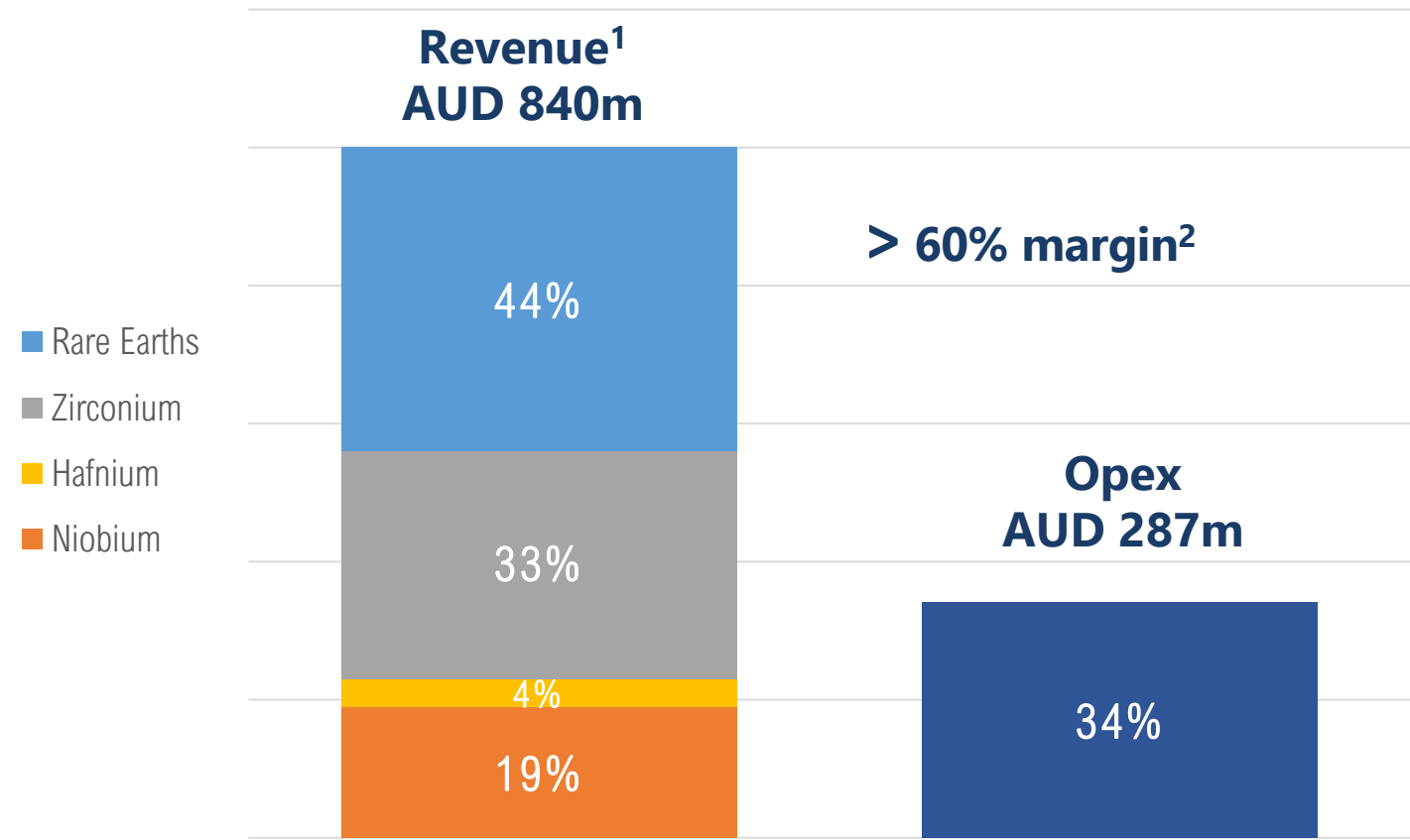
Up to 1,000 local jobs during
construction
270 ongoing local jobs
Close large regional cities:
Dubbo population: 35,000
Orange population: 39,000



Compelling ESG credentials

Project optimised to minimise
water usage
Community support
Indigenous & landholder respect
Diverse board and executive
Care for the Environment

Dubbo Project delivers strong financials



23.5%

Pre-tax IRR

AUD 2,361 million

Forecast pre-tax NPV

AUD 425 million

Annual Free cash flow³

AUD 1,678 million

Capital cost estimate
including contingency

¹Refer: ASX Release: 7 Dec 2021, *Dubbo Project Optimisation Delivers Strong Financials*. All data and financial information on this slide is taken from the Optimisation Study Work. The Company confirms that the material assumptions underpinning the estimates in the Optimisation Study Work announcement continue to apply and have not materially changed. Key assumptions are: Exchange Rate (A\$:US\$) - 0.75; Discount Rate (real, post-tax %p.a.) 8.0%; Corporate Tax Rate (%) 30%, Long Term Real price assumptions used in the 2021 Optimisation Study table 9, capital estimates in section 13.4, and matters described in Annexure A.

² Margin is defined as revenue minus opex / ³ This amount represents the average of years 7-10 in the Optimisation Study Financial Model

Korean Metals Plant

Rare earths and
critical minerals metallisation.

From ground breaking
to first delivery in 15 months.



Korean Metals Plant key facts



**Located in Ochang
Foreign Investment
Zone**

Approx. 115 kms south of Seoul



Opened
12 May 2022



**Neodymium
products**
(in production)

NdPr metal & NdFeB alloy



Titanium alloys
(in development)

CuTi alloy using patented LK
Process



Compelling ESG credentials

People and



MEMBER



PARTICIPANT

UN Global Compact

Renewable energy



Health and safety



Biodiversity management





Australian Strategic Materials

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asm-au.com

Rare Earths.

Critical Minerals.

High-tech Metals.

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Minerals investment opportunities in Tasmania

Tasmania 2023

Andrew McNeill

Chief Government Geologist
Mineral Resources Tasmania

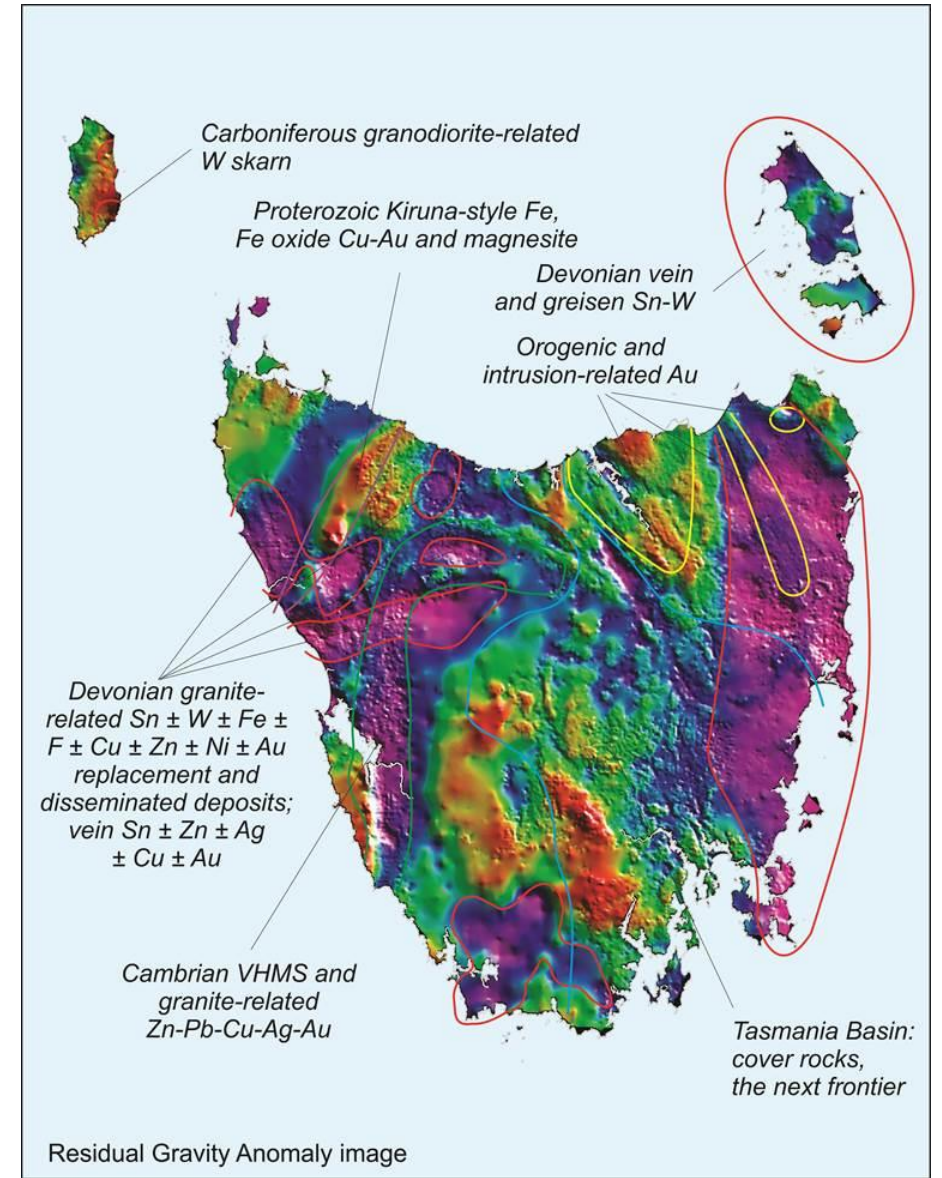


Why Tasmania?

Mineral endowment

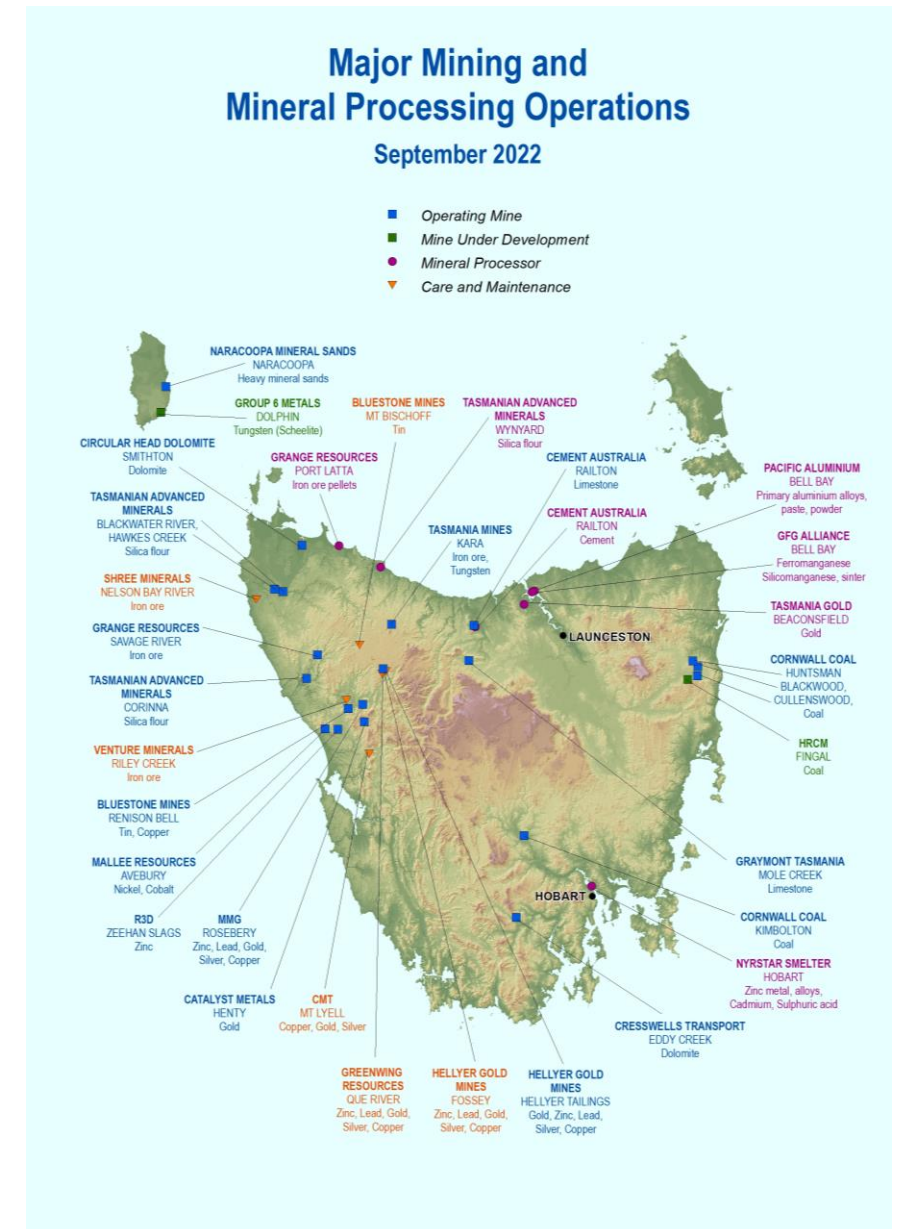
Current **production** of, and projects for, diverse commodities:

- **Cu, Zn, Pb, Sb**
- **Au, Ag**
- **Sn, W**
- **Ni, Co**
- *Li (hard rock and brine)*
- **Fe (magnetite, hematite), Mg**
- Al (bauxite), high purity Al, REE
- **Si (silica flour)**
- **Heavy mineral sands**
- **Coal, oil, geothermal, hydrogen**
- **Limestone, dolomite**



Setting

- Currently net zero emissions (2013–2020)
- 100 percent self-sufficient in renewable energy
- Aiming for 200 percent renewable energy supply by 2040 (wind, pumped-hydro)
- Hydrogen – green (multiple) and brown (one) – proposals
- Hydrogen – natural –exploration licence applications lodged
- Bell Bay Industrial precinct – adjacent to port facilities – preferred site for downstream processing & energy projects
- Capacity upgrades to rail and ports – funded by Government

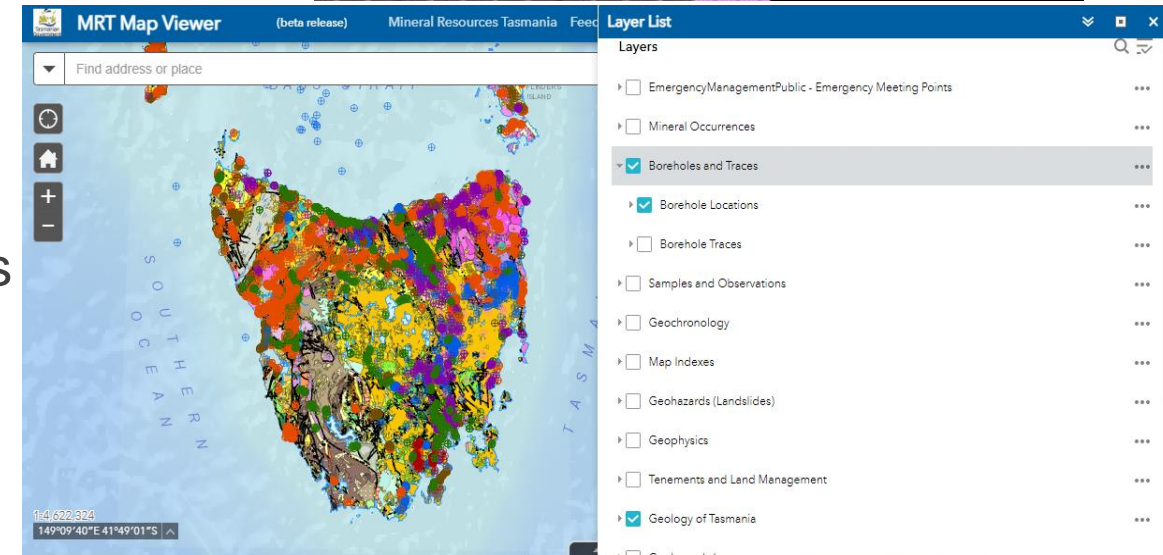
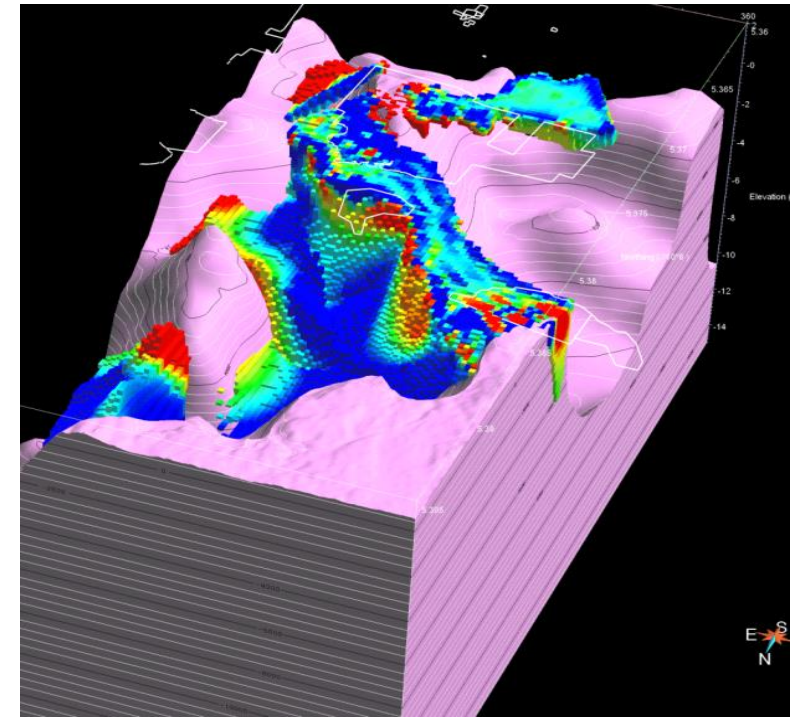


Government facilitation and support

- Loans and other support, particularly for re-starting existing operations; e.g. \$10 million to King Island Scheelite
- Applications for support to independent Tasmania Development Board (TDB)
- Single point of contact for investment advice and coordination at Office of Coordinator General (www.cg.tas.gov.au)
- For Mineral tenements all processes, including environmental approvals for exploration, are managed by Mineral Resources Tasmania (www.mrt.tas.gov.au)
- Mining permits – issued by local government with input from State and (possibly) Commonwealth environmental agencies(www.epa.tas.gov.au)
- Government initiatives
 - \$2.0M pre-competitive Geoscience Initiative (2021–2025)
 - \$3.5M co-funded greenfield exploration drilling – EDGI (2018–2025)
 - \$0.8M Support for Mining, Exploration and Quarrying Sectors (2023-2027)

Pre-competitive data

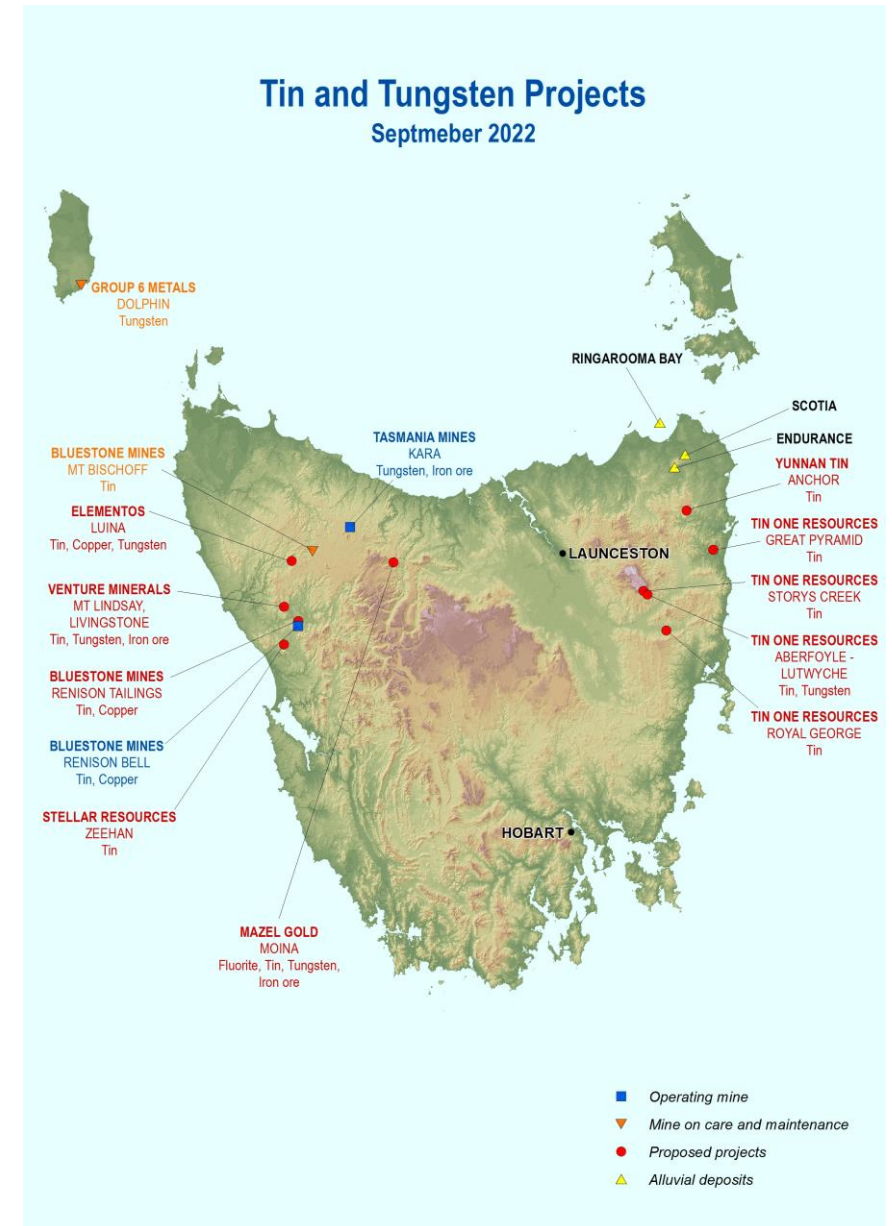
- Detailed geological mapping – 57% of state at 1:25,000 (all at 1:250,000).
- Geophysically corroborated **3D modelling** of prospective regions
- Ongoing back capture of data
- Mandated release of historic exploration data
- Data delivery is free; regular **data dumps** and on-line
- On-line Portals:
 - MRTs TIGER system (www.mrt.tas.gov.au)
 - TheLIST - Tasmanian Government spatial datasets (www.thelist.tas.gov.au)
 - AGSON: Australia-wide data viewer (www.geoscience.gov.au)



Investment opportunities

Tin and Tungsten

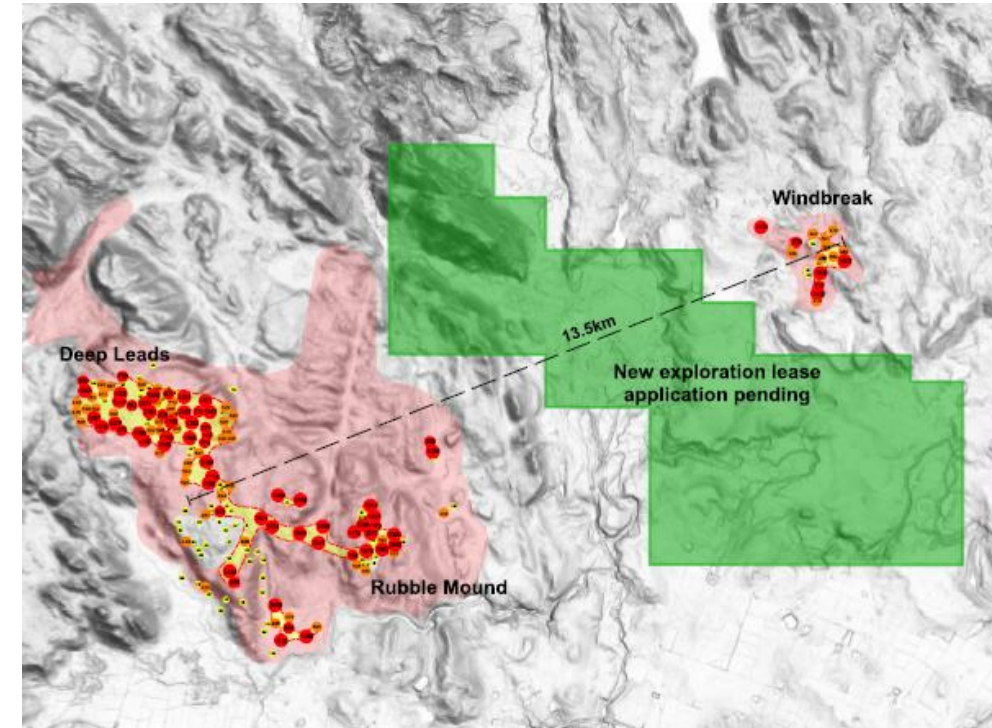
- 80% and 20% of Australian EDR, respectively
- Defined hard-rock resources:
 - 665,000 t contained Sn (33% at Renison)
 - 183,000 t contained WO_3 (52% on King Island)
- Re-start of Dolphin – production in March 2023
- Opportunities:
 - Exploration (including existing mine sites)
 - Advanced Projects (Heemskirk, Mt Lindsay)
 - Increased production (Kara)
 - Secondary prospectivity (Rentails, Cleveland)



Investment opportunities

REE

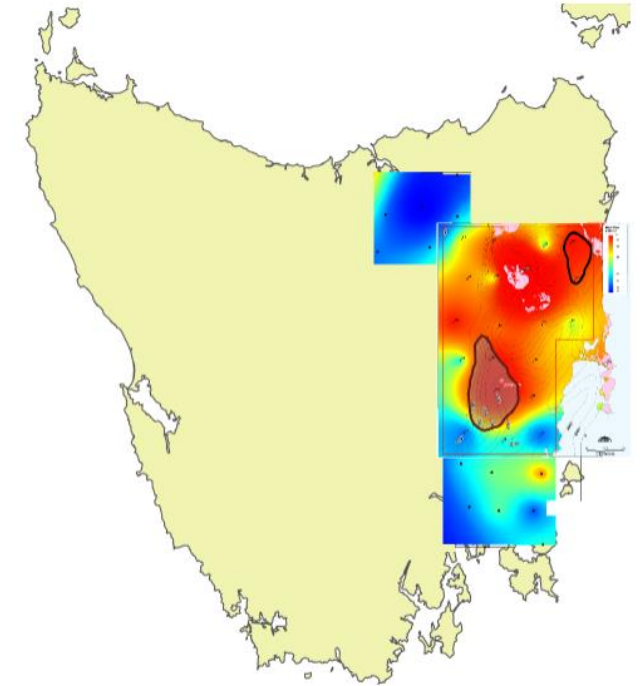
- Ionic adsorption Clay (IAC) type
- Re-analysis of samples from bauxite exploration
- Geology – lateritic dolerite (Jurassic)
- Drilling program in northern Tasmania (EDGI support)
- Initial resource for Deep Lead – Rubble Mound of 3.94 Mt @ approx. 700 ppm TREE+Y
- Initial test work (>70 samples) indicates 24–83% recovery by leaching
- Highest prospectivity areas now held under exploration licence applications



Investment opportunities

Lithium

- Li in brine -new exploration target for state
 - Based on previously defined geothermal anomalies and resources
 - Exploration yet to commence
- Li hosted by zinnwaldite in greisens
 - First described in Mt Paris and Lottah plutons in 1980s
 - TinOne – February 2023 – Zinnwaldite in Gipps and Ben Lomond plutons
 - Chip samples assaying up to 0.6% Li_2O
 - Very early stage – most fractionated granites under licence



Summary

- Diverse mineralisation with long-life (>100 year) mining operations
- 100 percent self-sufficient in renewable energy
- Aiming for 200 percent renewable energy supply by 2040
- Products of mining and mineral processing constitute >60 per cent of mercantile exports
- Highly supportive Government with policies and legislation to reduce sovereign risk
- High quality, freely available geoscience datasets to de-risk exploration
- Battery and new technology minerals including tin, tungsten, REE, and Li

For further information

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Or contact the Mineral Resources Tasmania team:

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- +61 3 6165 4800

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Thank you

Dr. Andrew McNeill

Chief Government Geologist
Mineral Resources Tasmania





CopperCorp

TSX.V: CPER
OTCQB: CPCPF

Corporate Presentation

PDAC – MARCH 6TH, 2023

coppercorpinc.com



Forward Looking Statement

This presentation contains forward-looking statements. All statements, other than statements of historical fact that address activities, events or developments that CopperCorp Resources Inc. (the "Company") believes, expects or anticipates will or may occur in the future are forward-looking statements. Forward-looking statements in this presentation include statements regarding expected growth, results of operations, performance, industry trends and growth opportunities; that the Company's established financial network will provide access to ongoing funding; and the discovery potential over the Company's land holdings. While management considers these assumptions to be reasonable, based on information available, they may prove to be incorrect.

The forward-looking statements reflect management's current expectations based on information currently available and are subject to a number of risks and uncertainties that may cause outcomes to differ materially from those discussed in the forward-looking statements including, but not limited to, that the Company may experience difficulties in drilling and carrying out related work; changing costs for mining and processing; increased capital costs; the timing and content of upcoming work programs; geological interpretations based on drilling that may change with more detailed information; the risk that the Company may lose access to any of its properties; the risks that the Company may not find any minerals in commercially feasible quantities; that the Company may not raise enough money to fund its exploration plans; uncertainty of development plans and cost estimates; commodity price fluctuations; political or economic instability and regulatory changes; currency fluctuations; the state of the capital markets; uncertainty in the measurement of mineral reserves and resource estimates; the Company's ability to attract and retain qualified personnel and management; potential labour unrest; uncertainty as to reclamation and closure requirements for its mineral properties; unpredictable risks and hazards related to the exploration and development and operation of a mine or mineral property that are beyond the Company's control; and other risks and uncertainties identified under the heading "Risk Factors" in the Company's continuous disclosure documents filed on SEDAR.

Although the Company believes that the assumptions inherent in the forward-looking statements are reasonable, forward-looking statements are not guarantees of future performance and, accordingly, undue reliance should not be put on such statements due to their inherent uncertainty. Factors that could cause actual results or events to differ materially from current expectations include general market conditions and other factors beyond the control of the Company. The Company expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise, except as required by applicable law. All forward-looking information in this presentation is qualified by this cautionary statement.

Technical information contained in this presentation has been reviewed and verified by Sean Westbrook, VP of Exploration, a "Qualified Person" as defined by National Instrument 43-101 - Standards of Disclosure for Mineral Projects. Full information on historical exploration activities and results relating to EL2/2018 and the Alpine prospect are included in a filed Independent Technical Report (NI 43-101) dated 18 April 2021. Full information on historical exploration activities and results relating to EL16/2018 and the Skyline project are included in a filed Independent Technical Report (NI 43-101) dated 14 September 2022. This presentation contains information about adjacent properties on which the Company does not have an interest. Information sources regarding the adjacent properties are Referenced in the NI 43-101 reports. The QP has been unable to verify the information on these adjacent properties and the information is not necessarily indicative to mineralization on the Company's properties.



Cap Table

Common Shares	66,225,365
Warrants	3,305,455 @ \$0.75 Expiry 06/08/2023
Options	4,600,000
Share Price	\$0.185
Mkt Cap @ 02/17/2023	~C\$11M
Fully Diluted	74,130,820
Cash Position	~C\$6.7M as of 01/31/2023
Management & Insiders	~36%

Peers by Market Cap



A World-Class Mineral Province

Established
Mining District
150 years of Mining &
Exploration

Multiple Large,
Multi-Decade
Mines

Polymetallic
(Cu, Au, Zn, Pb, Ag,
Sn, W, Ni, Fe)

> 16.5 Mt CuEq.
Metal
Endowment

100% Renewable Energy State

Strong Government Support

WESTERN TASMANIA

Current Operating Mines Near CPER's Tenements

Mt Lyell:

New Century Resources

312 Mt at 1.0% Cu, 0.31 g/t Au

Care & Maintenance

Savage River:

Grange Resources Ltd.

371 Mt at 31.9% Fe

In Production

Rosebery:

MMG Limited

51.5 Mt at 12.1% Zn, 3.9% Pb, 0.5% Cu, 130 g/t Ag, 1.9 g/t Au

In Production

Renison Bell:

Metals X Ltd.

33.5 Mt at 1.41% Sn

In Production

Henty:

Unity Mining Limited

5.7 Mt at 8.4 g/t Au

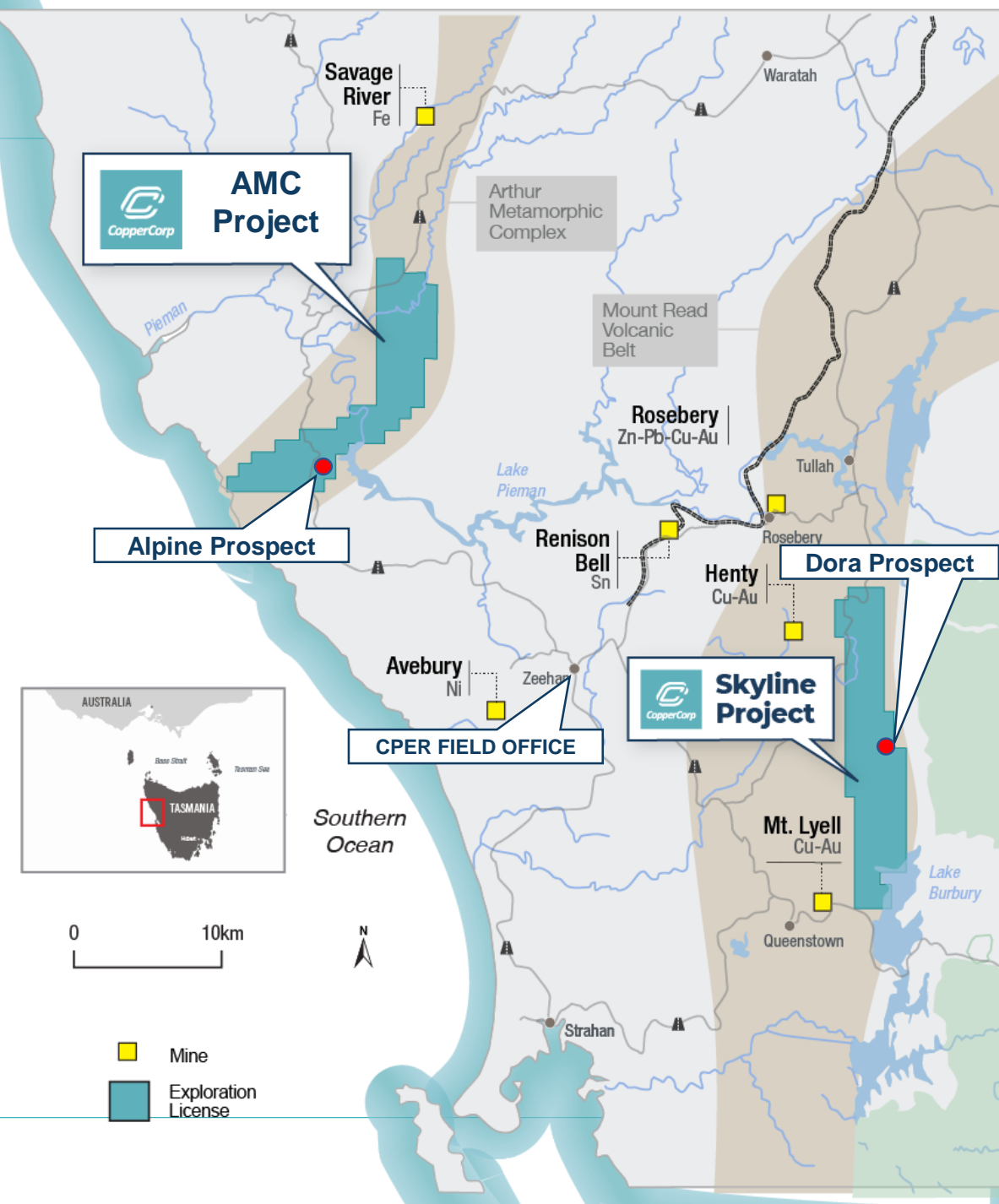
In Production

Hellyer:

NQ Minerals

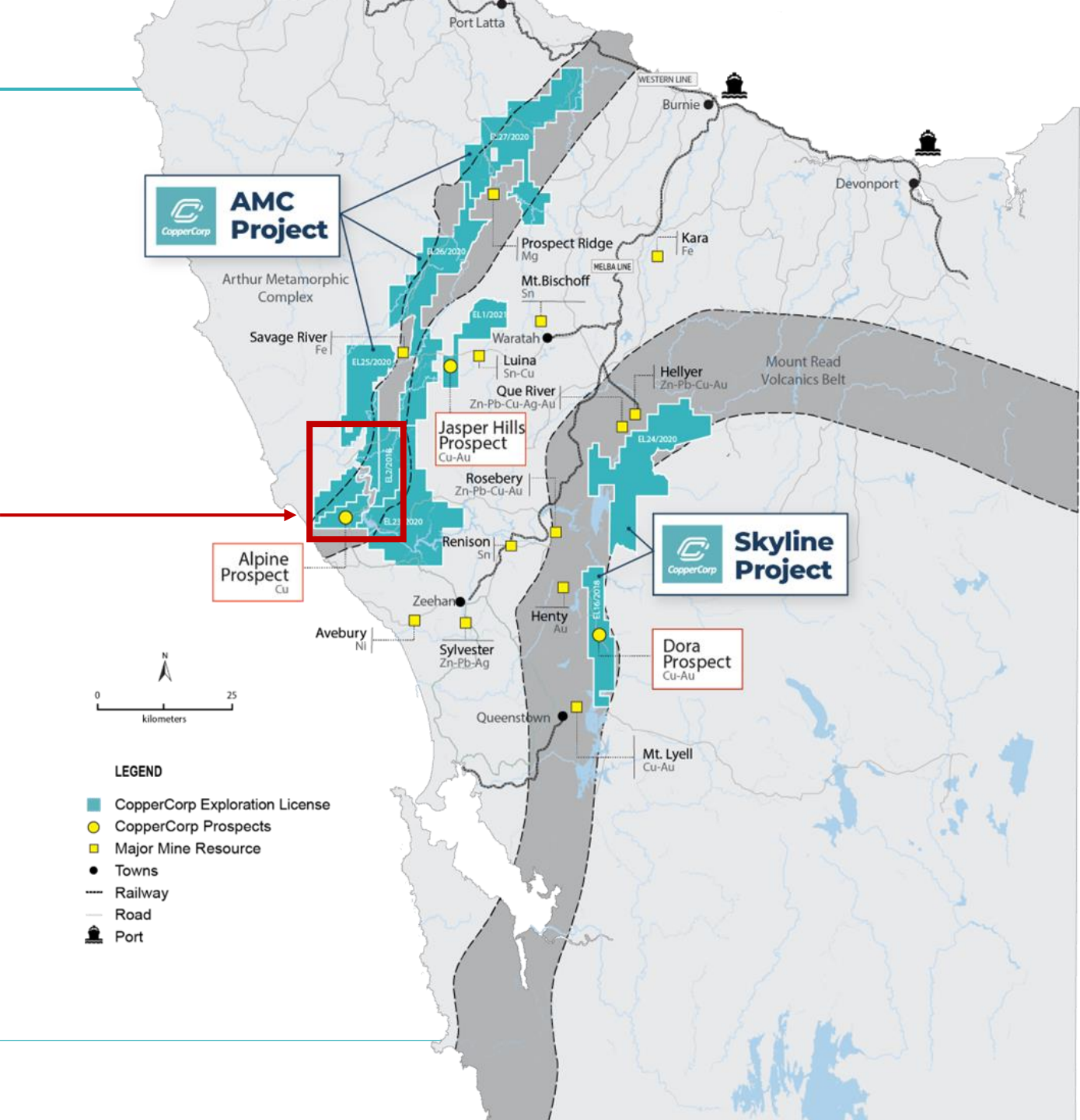
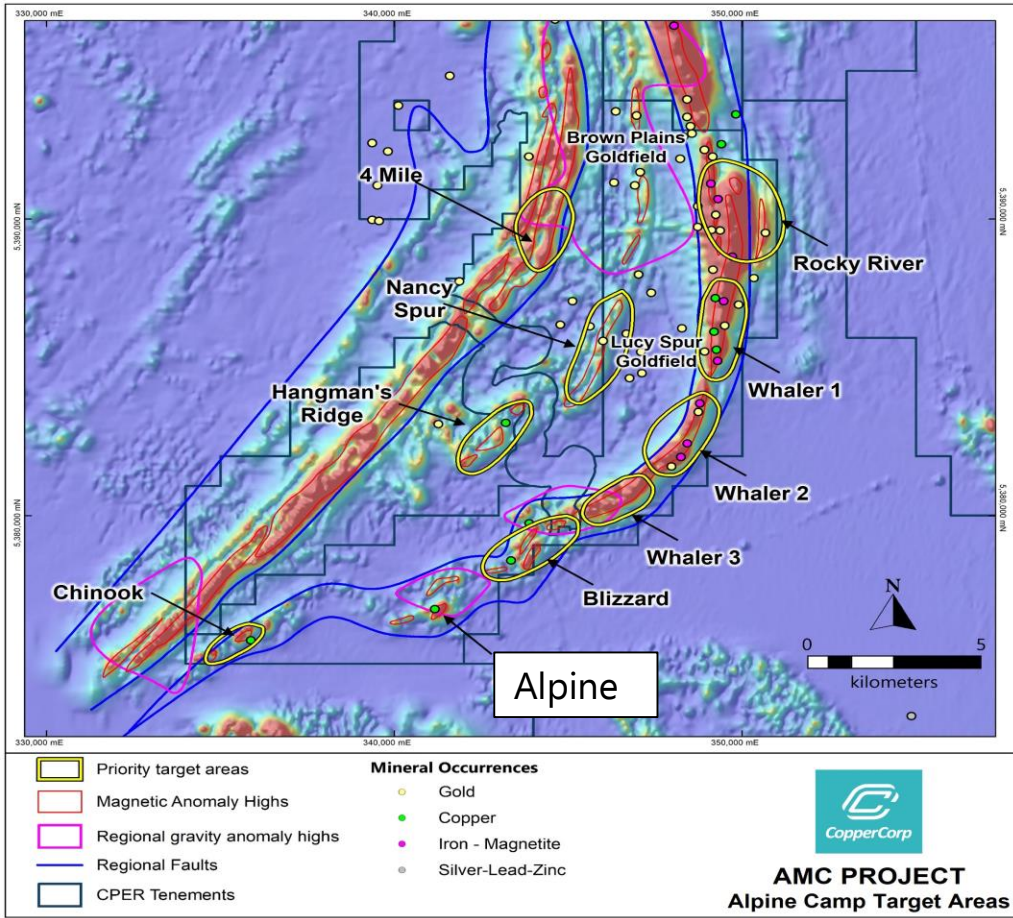
16.5 Mt at 13.9% Zn, 7.2% Pb, 0.38% Cu, 169 g/t Ag, 2.55 g/t Au

Past Producer/Tailings recovery

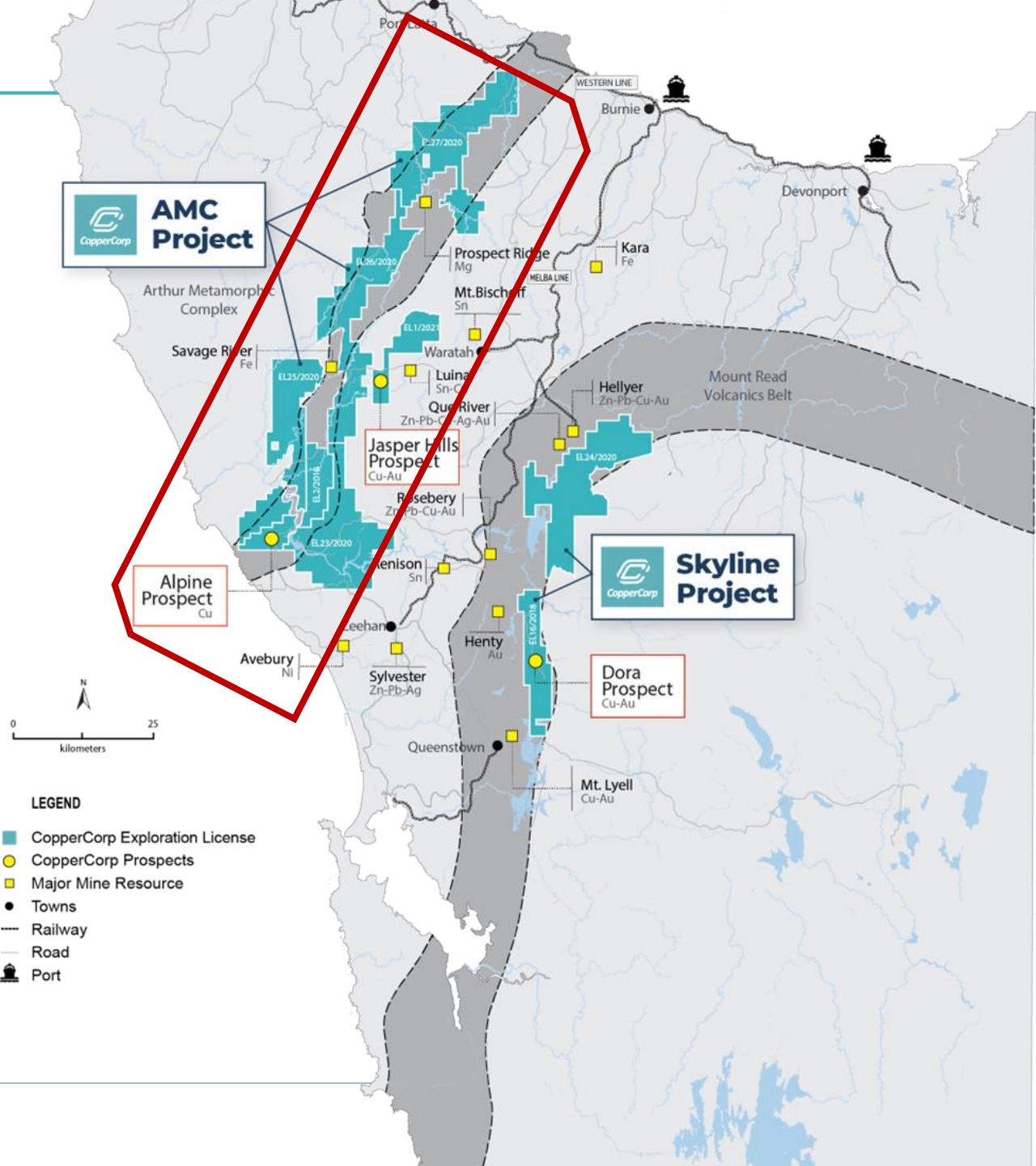


Australia's Next Major Copper Discovery?

100% owned 1,400 km² strategic land positions over two mineralized belts with high discovery potential



AMC PROJECT





AMC PROJECT

Dominant land position over
an under-explored IOCG belt

100% Owned

District-Scale Opportunity

- Arthur Metamorphic Complex – under-explored IOCG-style mineralized belt (Cambrian age 510Ma)
- CPER holds 1,066km² in granted tenements over 100km of strike

Advanced Alpine Copper Prospect

- 7,000m of drilling completed
- High-grade copper mineralization at depth (open)

Regional Exploration Upside

- >20 regional targets for follow-up
- Extensive historical copper and gold prospects and small-scale mining through the regional with limited modern exploration

ALPINE COPPER PROSPECT

Alpine Stellar Zone

Vectoring towards thicker and higher-grade copper zones (open at depth):

- AP036: **23.0m @ 1.14% Cu** from 393m (within 92.0m @ 0.50% Cu from 334.0m).
- AP004: **28.2m @ 1.03% Cu** from 58.7m (within 38.2m @ 0.79% Cu from 57.7m).
- AP030: **10.0m @ 1.20% Cu** from 185.0m (within 37.0m @ 0.57% Cu from 181.0m).
- AP030: **4.9m @ 1.50% Cu** from 312.1m (within 18.0m @ 0.70% Cu from 307.0m).
- AP034: **5.0m @ 2.06% Cu** from 187.0m (within 31.6m @ 0.64% Cu from 177.7m).
- AP035: **18.0m @ 0.90% Cu** from 238m (within 45.0m @ 0.62% Cu from 217.0m).



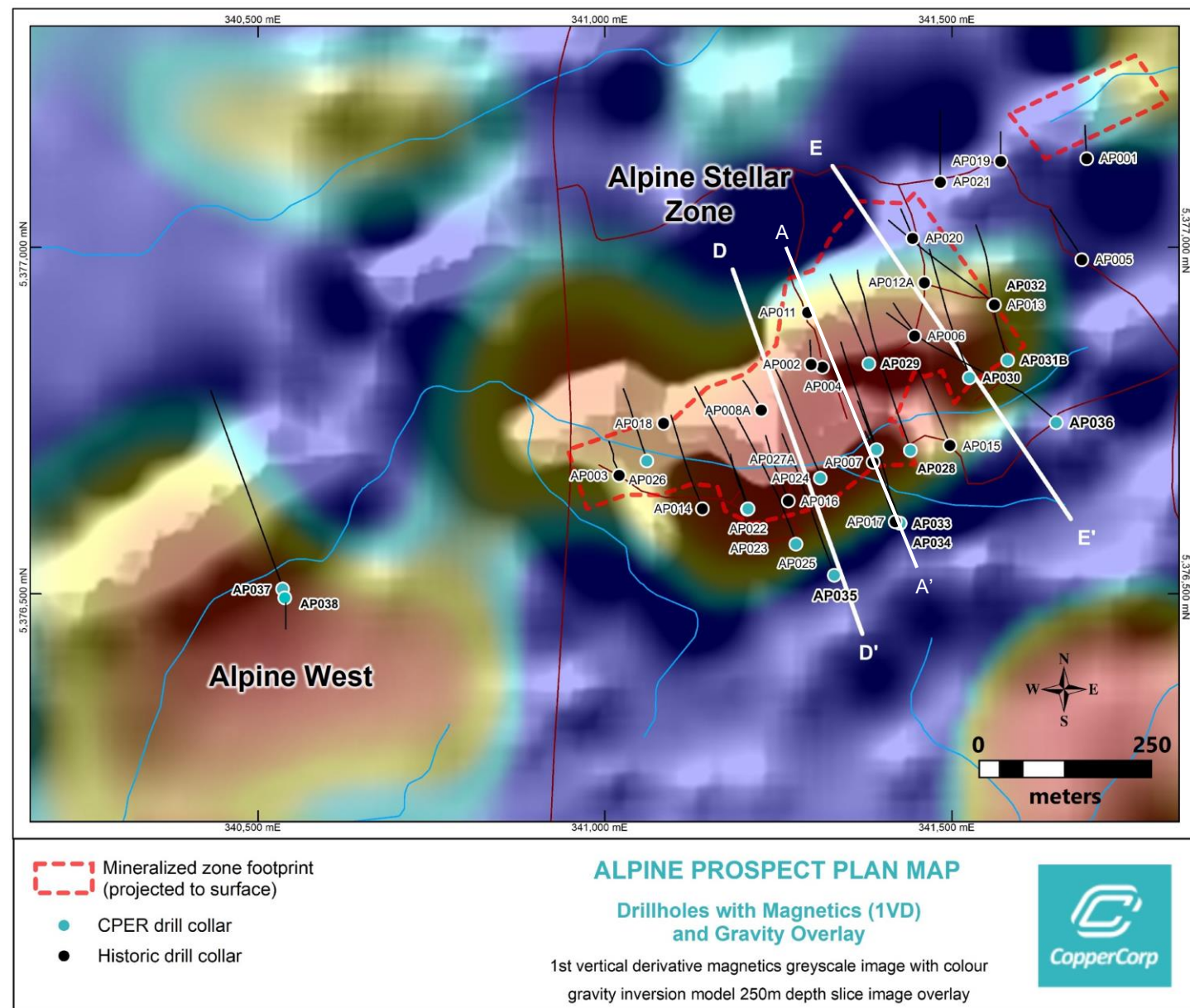
AP036 high-grade Cu mineralization (tray interval averaged **1.4% Cu**) within **23m @ 1.14% Cu** from 393m (within wider zone: 92m @ 0.5% Cu from 334m)



AP034 high-grade Cu mineralization in 1m interval (189-190m) grading **3.1% Cu** within: **5m @ 2.06% Cu** from 187m (within wider zone: 31.6m @ 0.64% Cu from 177.7m)

ALPINE COPPER PROSPECT

- Stellar Zone drilling: 16 holes, 5490m completed Q4 2022.
- Confirmed **continuity of mineralization over 600m strike and to at least 400m depth below surface (OPEN).**
- **Mineralization from surface with high-grade (>1% Cu) zones increasing in width and grade in deeper holes.**
- Review/planning underway for expansion and infill drill testing (Q2/Q3 2023 start).
- Alpine West: maiden drilling complete (assays pending)

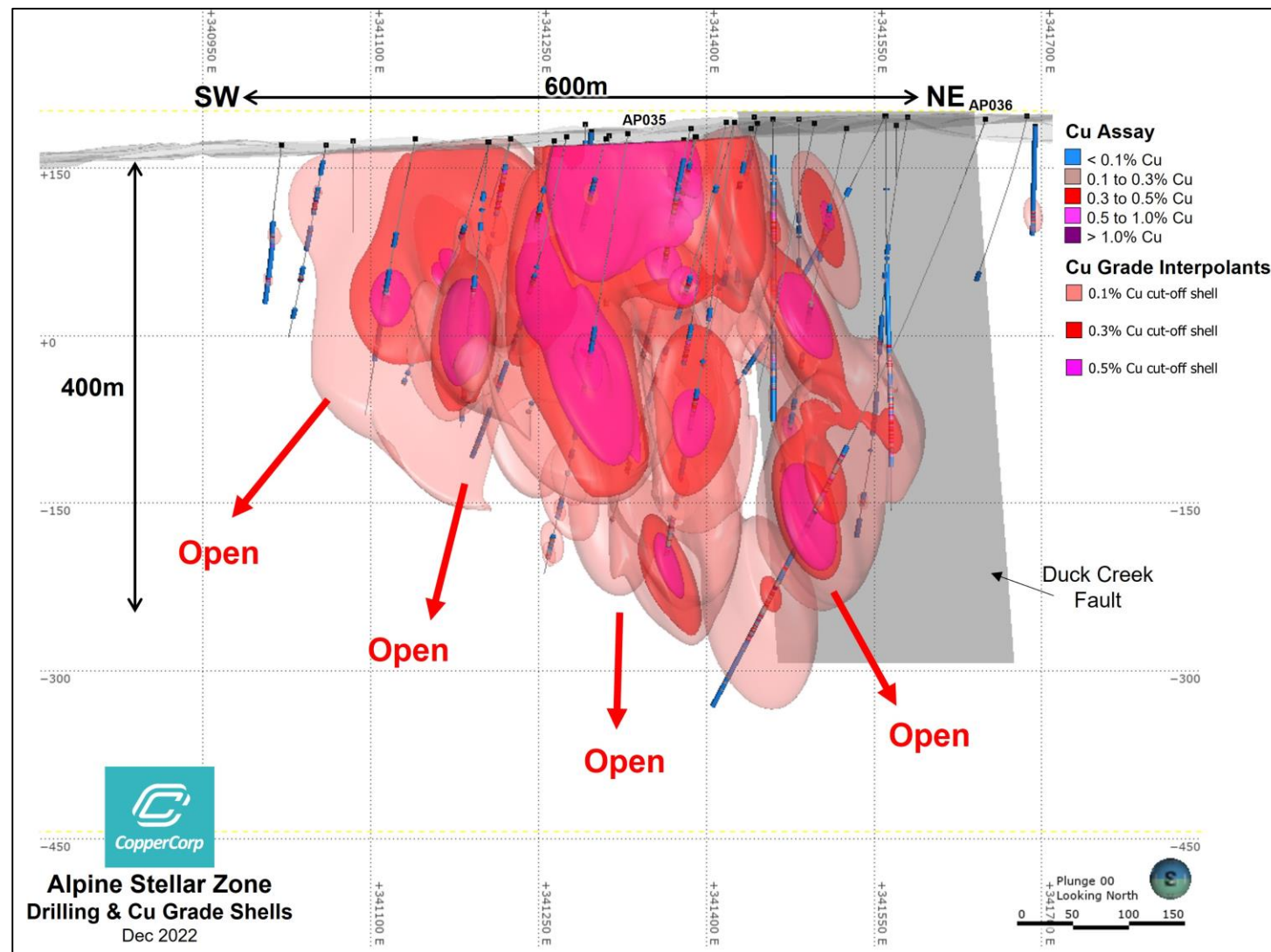


ALPINE COPPER PROSPECT

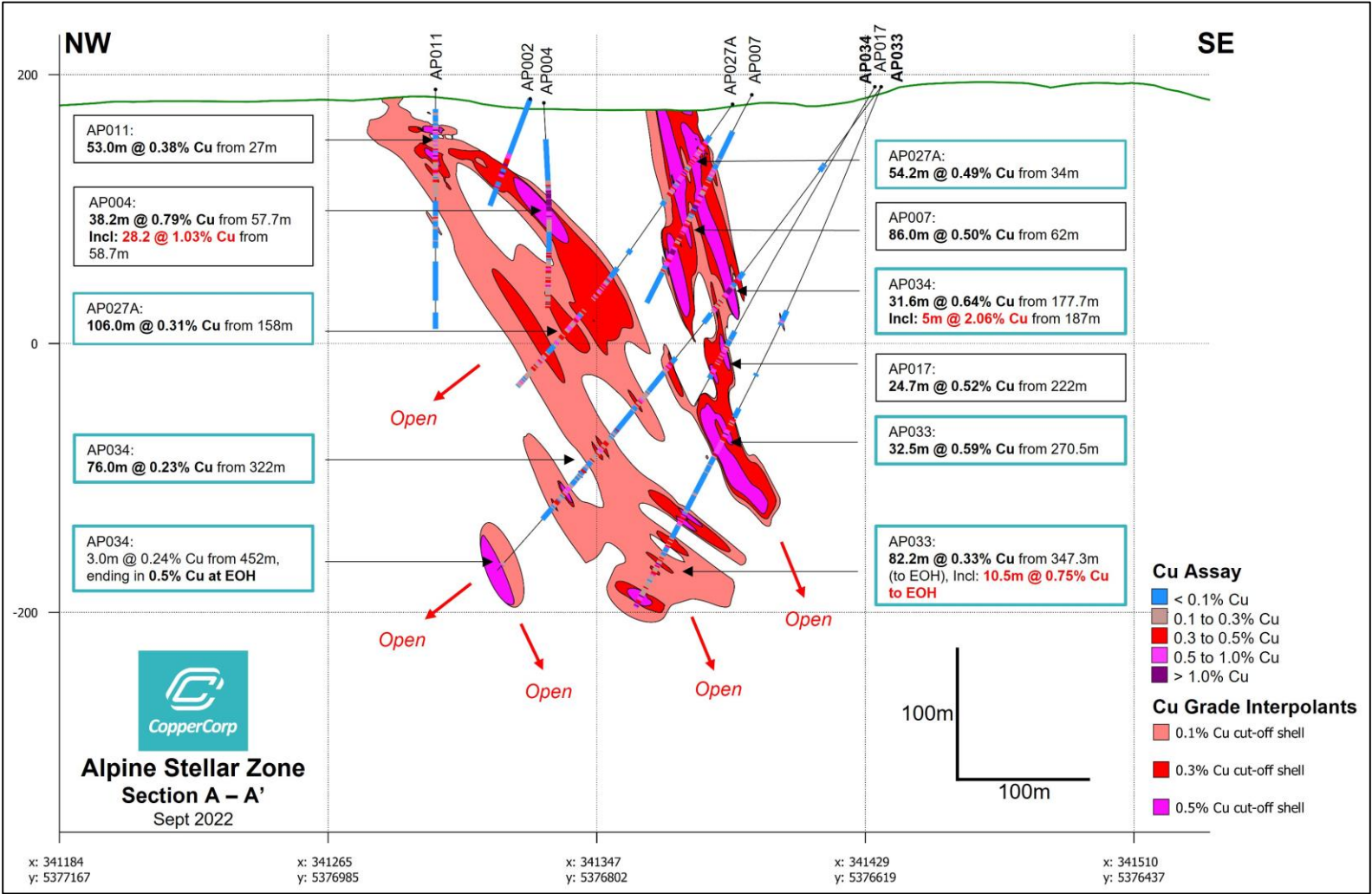
Alpine Stellar Zone

Strategy to define a Maiden Resource

- Potential for open pit or shallow bulk tonnage resource with underground development on high-grade lodes.
- Drilling still considered wide-spaced (100-200m), especially at depth (200-400m).
- Deep extension drilling required to test high-grade extensions at depth.
- Infill drilling required to prove up continuity of higher-grade zones.
- Metallurgy test work.
- Results driven forward programs.



Alpine Stellar Zone: High-Grade Depth Expansion Potential



Drill section A-A' (looking northeast) showing results from drill holes, including recent holes AP033 and AP034 at the Stellar zone, Alpine prospect. Significant intervals are reported as downhole lengths..

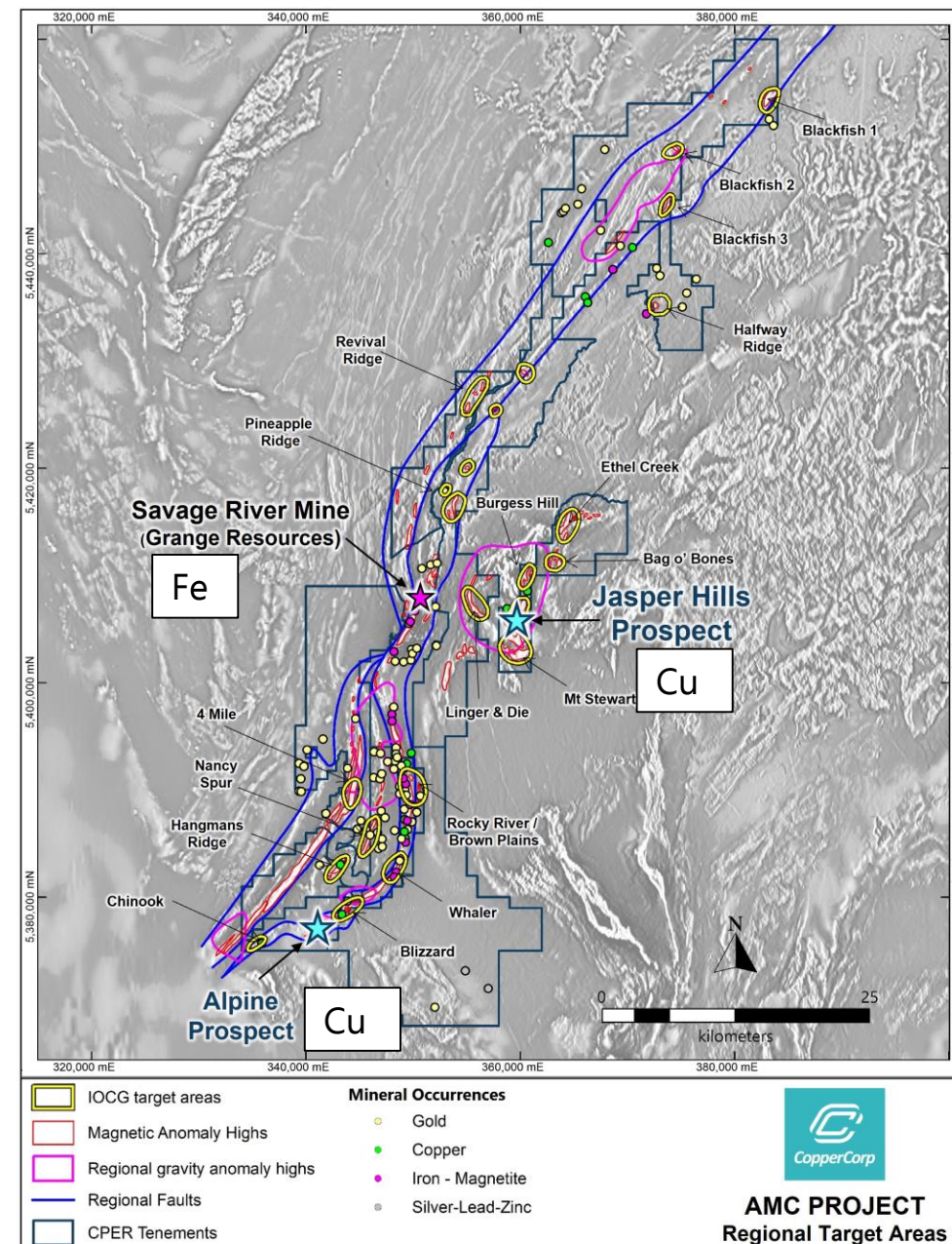
AMC REGIONAL EXPLORATION UPSIDE

Priority exploration targets identified along entire 100km length of AMC belt.

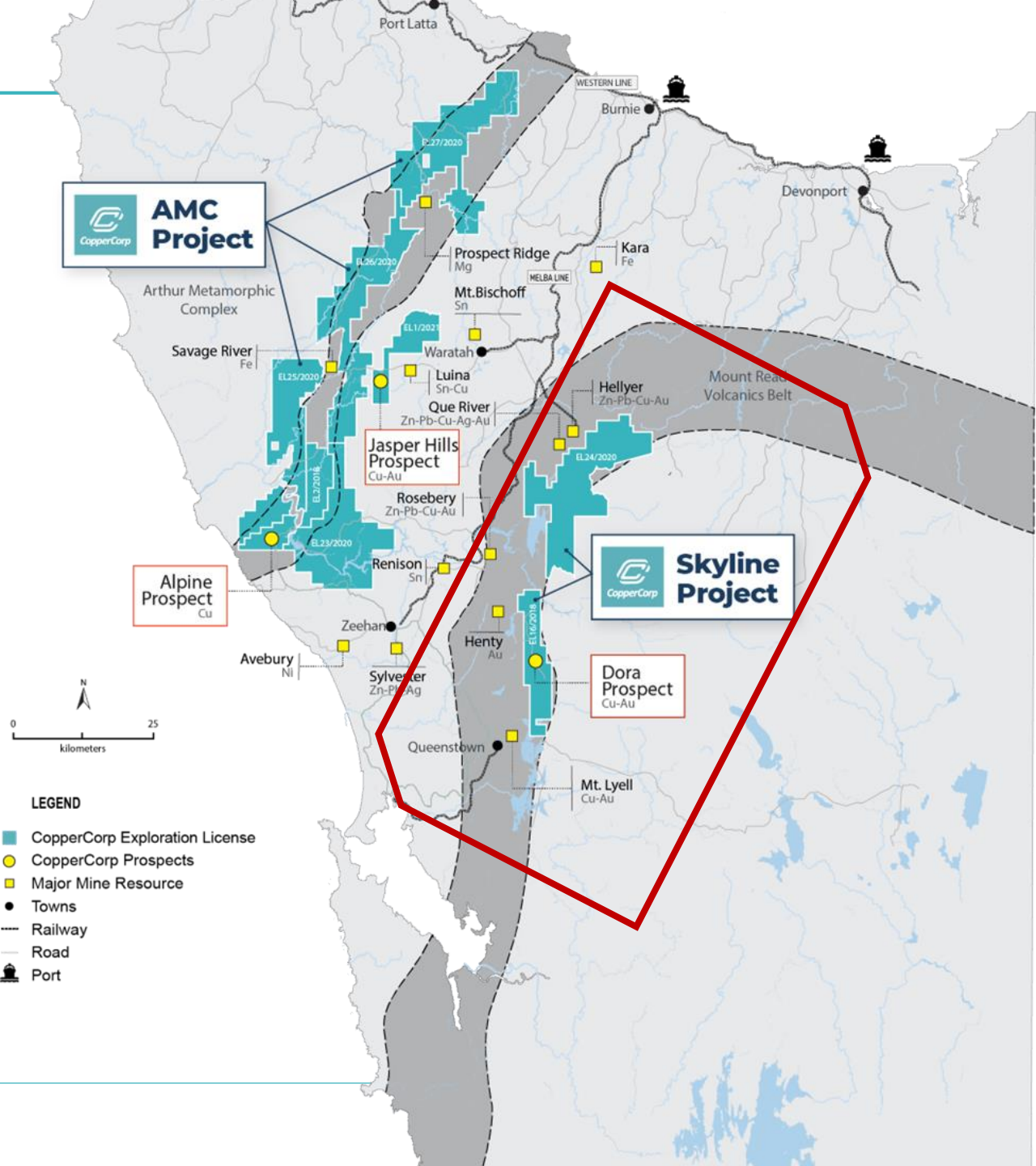
- >20 priority regional Cu-Au exploration targets identified for follow-up.
- IOCG style focus but other mineralisation styles also recognized (e.g. Jasper Hills – volcanogenic Cu-Au, Pb-Ag).
- Very limited modern exploration.



Copper mineralization at Jasper Hills prospect



SKYLINE PROJECT





SKYLINE PROJECT

Strategic Ground Position in the
Cambrian Mt Read Volcanics Belt

100% Owned

Regional Exploration Upside

- Under-explored Cu-Au fertile volcanic/porphyry arc (Cambrian age 500-510Ma)
- Previously unrecognized potential for Andean style IOCG and Alkalic porphyry style Cu-Au deposits.

Within 5km of 2 Large-Scale Operating mines

- Mt Lyell Cu-Au Mine (3.1 Mt Cu, 3.1 Moz Au).
- Henty Au Mine (1.64 Moz Au @ 12.5 g/t Au).

Maiden Drilling Underway at Highly Prospective Dora Zone

- Government co-funded maiden scout drilling to test outcropping mineralization.
- Multi-commodity system: Cu-Au-Ag-Pb-Zn-Co-REE.

SKYLINE PROJECT – EL16/2018

97km² of IOCG & porphyry Cu-Au prospective ground

- Cu-Au mineralization mapped over 25km of strike (magnetic highs).

Dora Zone: Currently being drilled

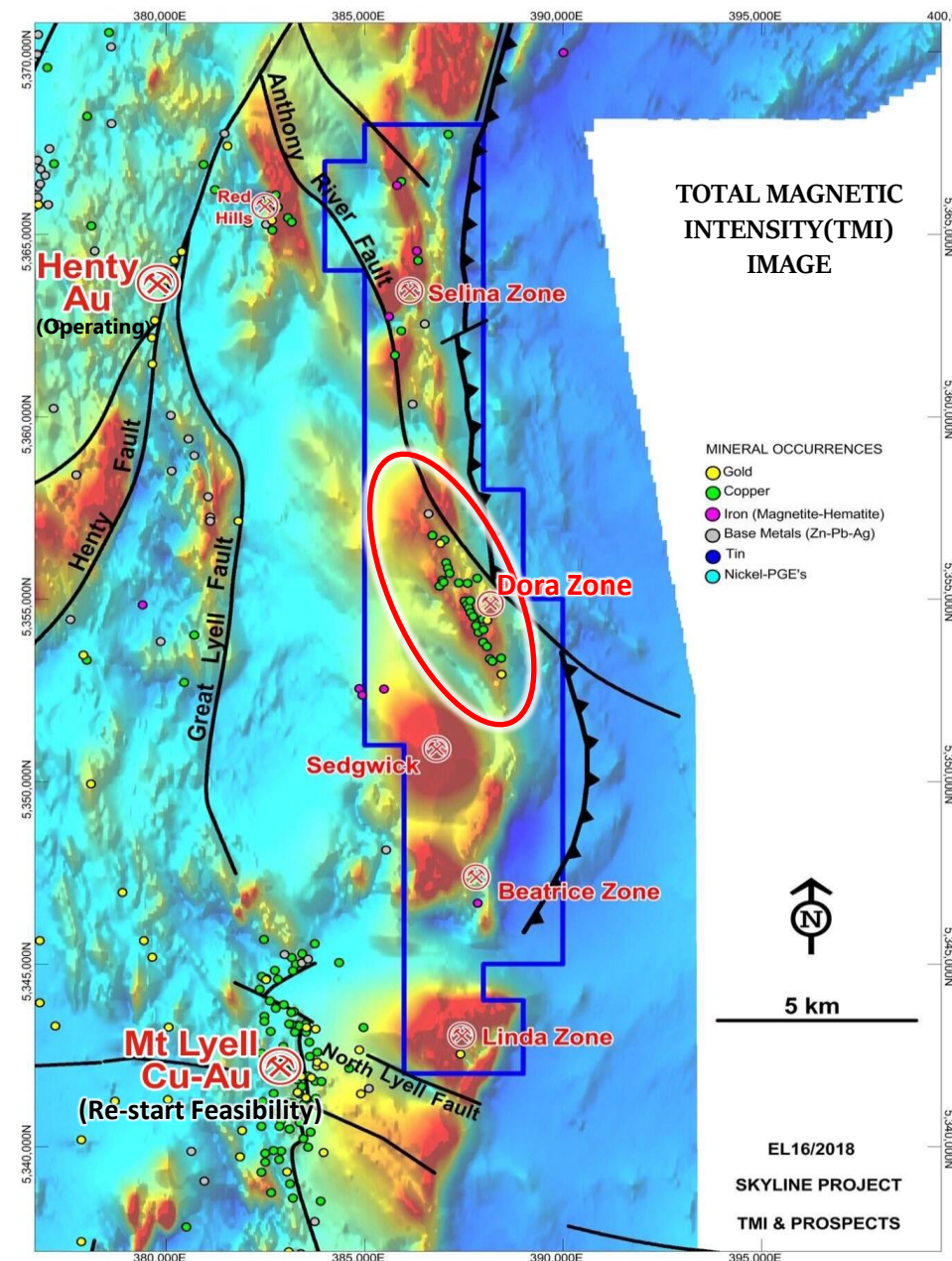
Extensive breccia-hosted IOCG-style magnetite-sulphide mineralisation outcropping at surface over 5km.

Selina Zone: 3-4km long zones of hydrothermal alteration – partially drilled

Sedgwick: Unexplained deep magnetic anomaly

Beatrice Zone: No exploration

Linda Zone: Never drilled



DORA PROSPECT

+5 km strike of Cu-Au mineralization at surface

Dora 1: 50m wide breccia-matrix style mineralization over +300m strike with rock samples including:

- 3.2% Cu, 1.44 g/t Au, 42 g/t Ag, 1.7% Zn
- 0.2% Cu, 1.9 g/t Au, 16 g/t Ag, 885ppm Co

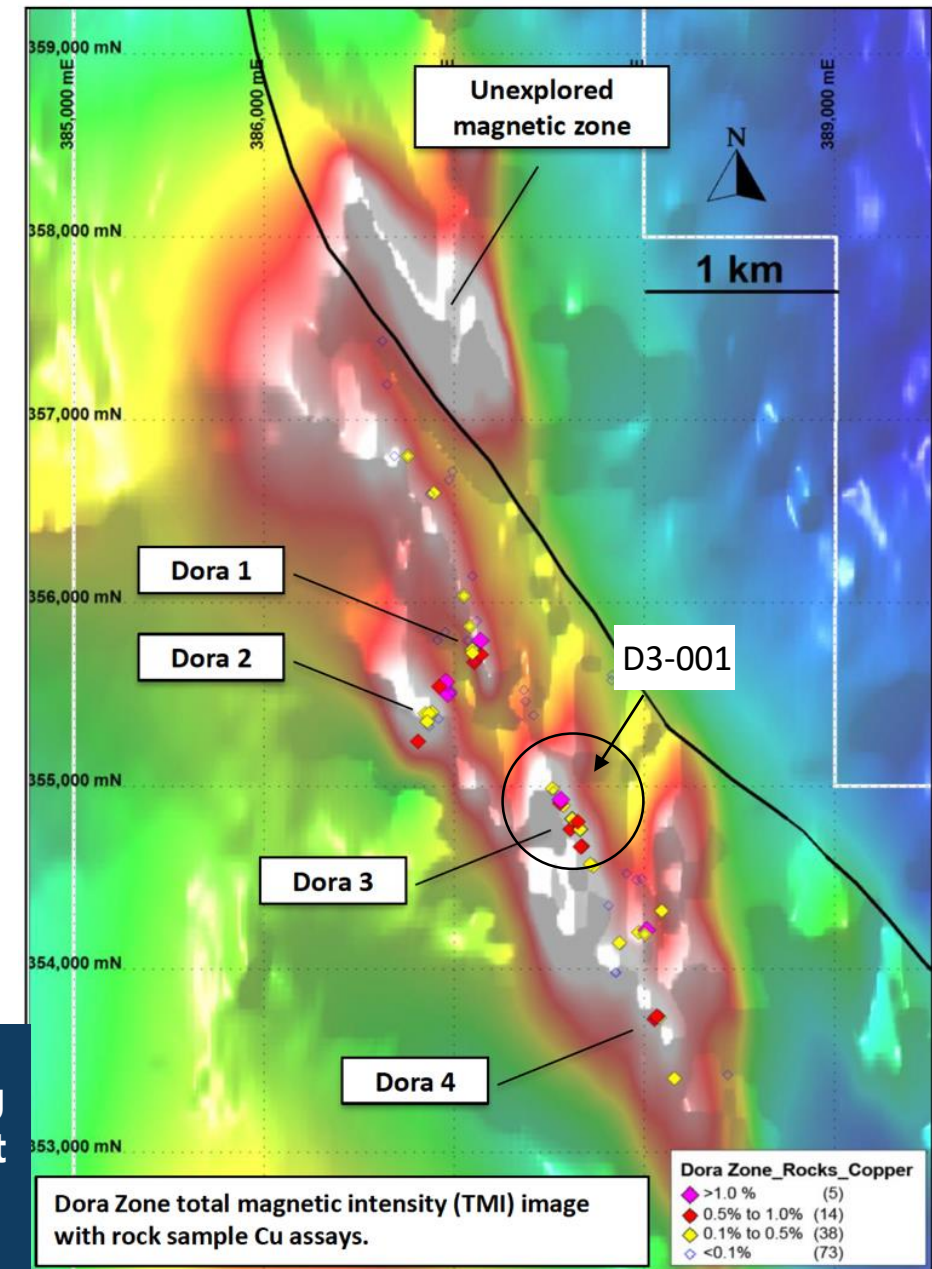
Dora 2: +200 m zone of historical workings on sulphide-rich veining, assays include:

- 47.7 g/t Au, 3.85% Cu, 2.25% Co, 250 g/t Ag
- 6.3% Cu, 2 g/t Au, 152 g/t Ag
- 0.5% Cu, 0.8 g/t Au, 115 g/t Ag, 5.5% Zn, 2.3% Pb

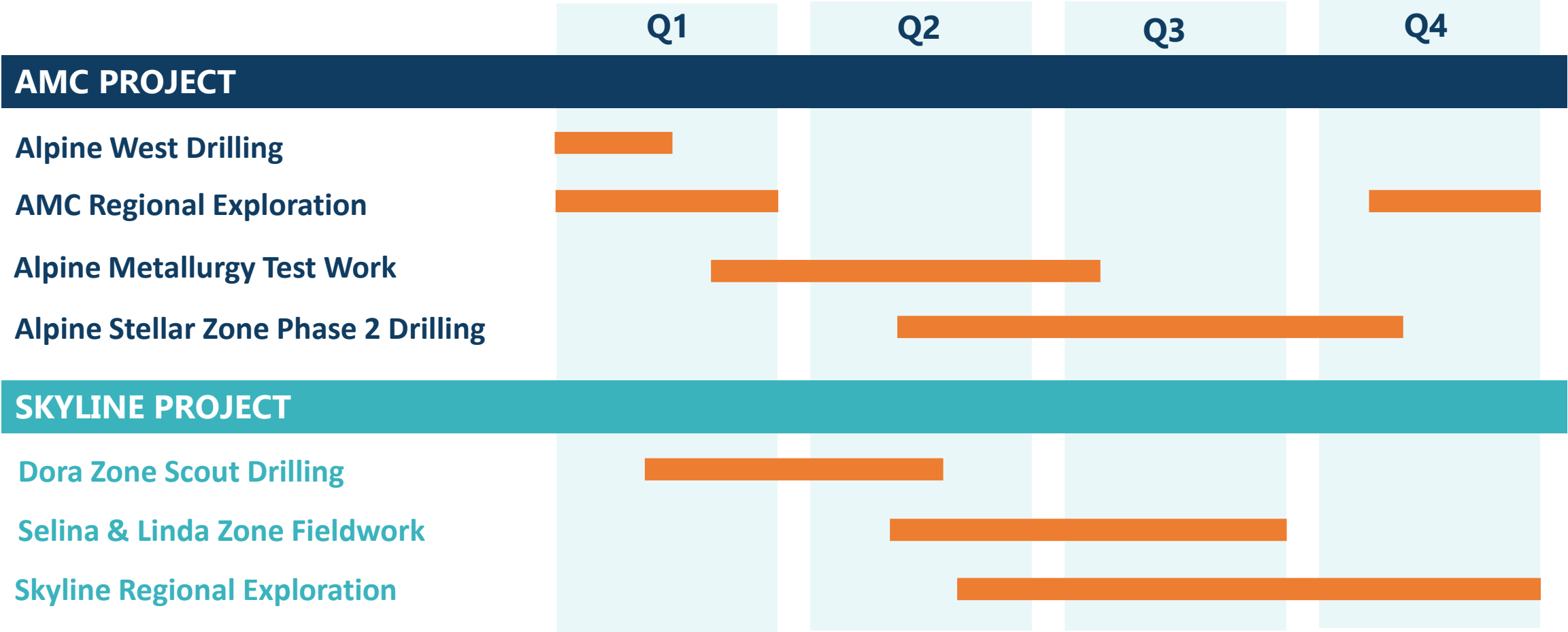
Dora 3: +500m zone of outcropping mineralization and workings, multiple anomalous grab samples including:

- 1.03% Cu, 0.4g/t Au, 21g/t Ag, 0.13% Zn
- 0.91% Cu, 0.3g/t Au, 11g/t Ag
- 0.59% Cu, 0.19g/t Au, 14g/t Ag

**Maiden drilling
commencing at
Dora 2 & 3 -
Feb 2023**



2023 EXPLORATION PROGRAM



DIRECTORS & KEY MANAGEMENT

MANAGEMENT



STEPHEN SWATTON

PRESIDENT, CEO & DIRECTOR

Previously CEO of several TSXV junior companies including Fortress Minerals (Lundin Gold) and K2 Gold, institutional stock market analyst, former senior geologist at Rio Tinto (Europe) and global head of Commercial Development at BHP Exploration (Singapore)



SEAN WESTBROOK

VP EXPLORATION, FOUNDER

20+ years exploration experience. Exploration Manager of Flynn Gold Ltd, former senior technical roles with BHP Billiton Iron Ore, PanAust Resources, OZ Minerals and Harmony Gold Exploration



ROB SCOTT CPA, CA, CFA CFO

- 20+ years of managing the back end of junior mining companies, ensuring financial disclosure and compliance, and supporting the highly complicated mechanics of M&A

DIRECTORS



CRAIG ROBERTS, P.Eng. DIRECTOR

- Lead Advisor and Former CEO of New Found Gold Corp, Chairman and Director of Prospector Gold, Nevada King Gold and Global Battery Metals



SAM GARRETT DIRECTOR & FOUNDER

- Principal at Metal Ventures Pty Ltd., Managing Director with Great Southern Copper PLC, Executive Director of Flynn Gold Ltd, former Technical Manager at Phelps Dodge Corporation



AARON KEAY DIRECTOR

- Investor and capital markets professional. A founder of Klutch Financial, has extensive M&A experience, and has raised over a billion dollars in the past ten years as an executive and board member

ADVISORS



DOUG KIRWIN MSc, FSEG, FAIG SENIOR TECHNICAL ADVISOR & FOUNDER

- Former Executive VP of Ivanhoe Mines, Doug Kirwin has managed exploration teams spanning a 50-year career



JOHN ROBINS P.GEO ADVISOR

- Co-Founder and Principal of Discovery Group (Kodiak Copper, K2 Gold, Fireweed Zinc & Valore Metals Group), Advisor to Great Bear Resources (acquired in Feb 2022 by Kinross for C\$1.8 billion)



LEO HATHAWAY P.GEO ADVISOR

- Senior VP of Lumina Gold Corp., Former Chief Geological Officer for Lumina Copper Corp

CORPORATE DEVELOPMENT/IR



ALEX MUIR, CFA

CORPORATE DEVELOPMENT & INVESTOR RELATIONS MANAGER

- Previous roles at Toronto Stock Exchange and Canaccord Genuity



CopperCorp



CopperCorp

TSX.V: CPER
OTCQB: CPCPF

THANK YOU

For more information:

www.coppercorpinc.com

Steve Swatton

CEO, President & Director

stephen@coppercorpinc.com

Alexander Muir, CFA

Manager, Corporate Development & Investor Relations

amuir@coppercorpinc.com

Call 604.970.8032

SUMMARY

- Well-financed ~C\$6.5 in cash
- Phase 1 drilling completed at Alpine Prospect
- Maiden drilling campaign at Dora Prospect underway
- Follow-up on several regional underexplored prospects
- Advanced evaluation of identified projects outside Tasmania

AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

South Australia – home for low carbon energy metals

Alex Blood
Mineral Resources Division – Department for Energy and Mining



**#1 globally in
renewable energy &
low carbon power**

68% electricity from
renewable energy
**100% renewable in
2030**

World's highest rooftop
solar uptake per capita

4 grid scale batteries

**Largest hydrogen
electrolyser by 2025**

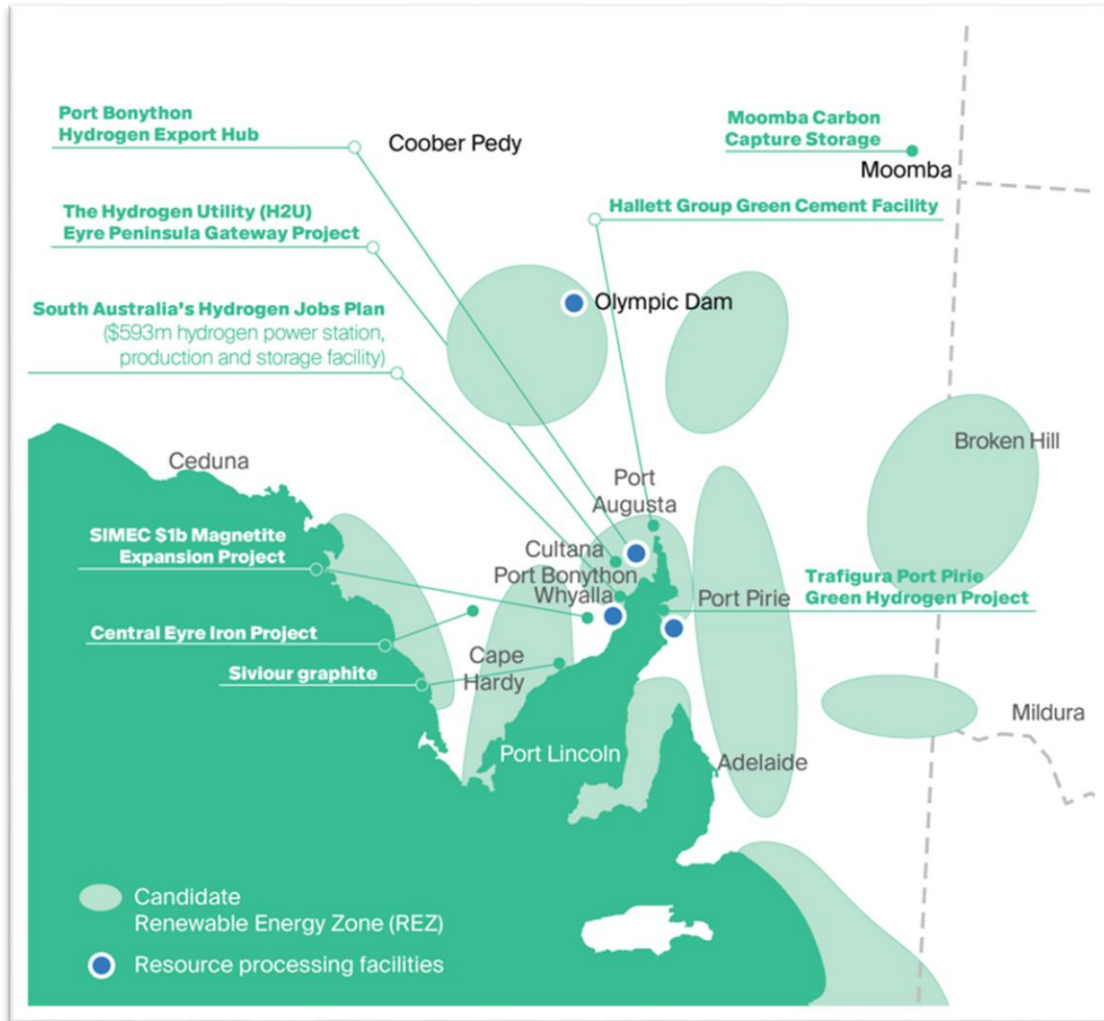
New Hydrogen Act

**SA: a low carbon mining, processing
and manufacturing centre now!**



Neoen Australia

South Australia – developing regions and capacity



- Recharging the resources pipeline – new mines | expansion | critical minerals
- 68% of electricity derived renewable energy – companies making purchase agreements
- Carbon Capture and Storage – Moomba
- Spencer Gulf: major renewable hydrogen hub
- Pathway to deliver green steel, green copper, green critical minerals
- Multi-user Northern water pipeline into the Gawler Craton region

Green minerals processing and energy hub in SA

- Multiple mines – multi commodity – state continues Cu and U leadership
- Feeding centralised processing points powered by green energy
- Advance manufacturing value adding to the raw commodities to build future technologies
- Established R&D capability
- Skilled and developing workforces
- Achieving the vision ‘SA’s role in contributing to Australia being a global critical minerals power house.’



Recycling for critical minerals

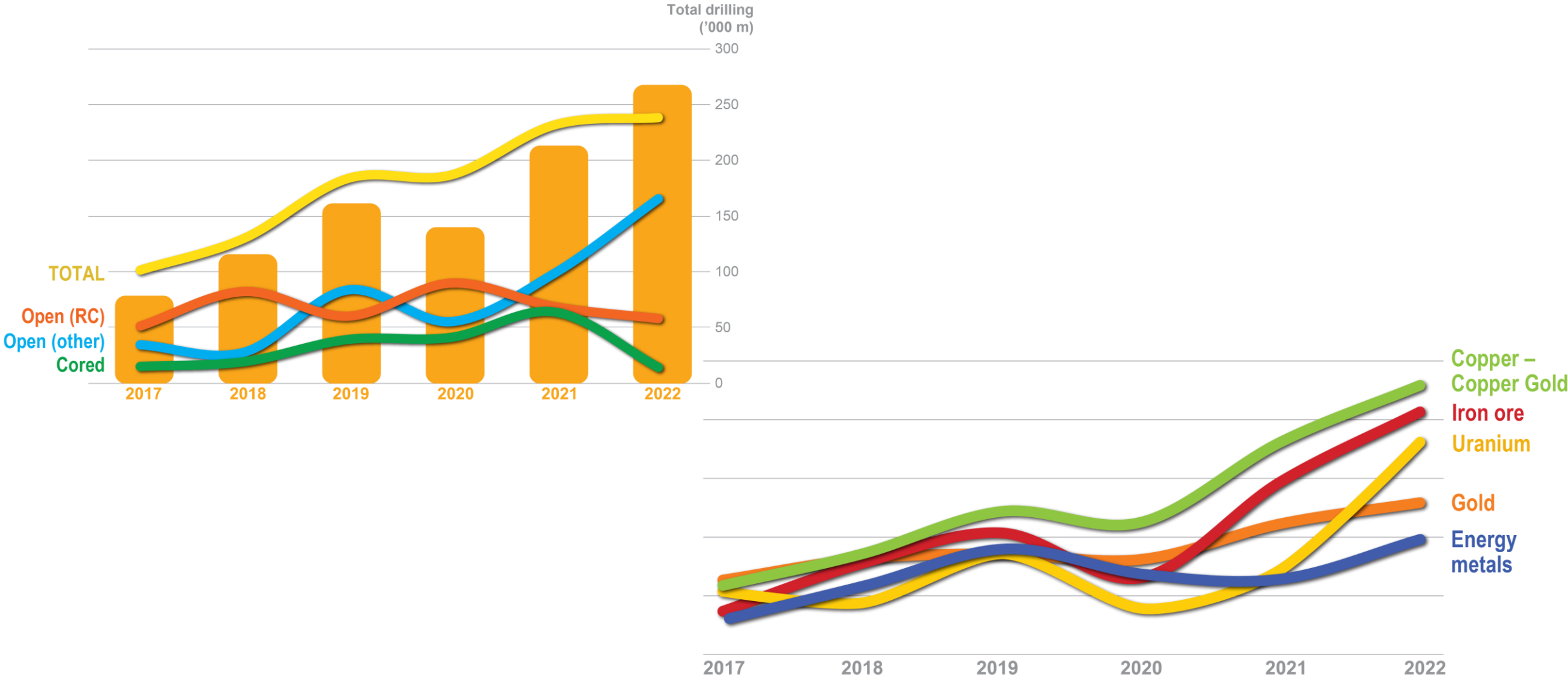
- Nyrstar Australia's Port Pirie smelter is one of the world's largest multi-metal smelters, producing lead, silver and by-products such as sulphuric acid.
- In a recent announcement: Single-use alkaline batteries, can be recycled at Nyrstar Port Pirie into zinc and copper
- Nyrstar Australia is expected to recycle up to 2,000 tonnes per year (approximately 88 million AA alkaline batteries)
- Well positioned to play an important role in the transition to a greener economy.



PORT PIRIE PRODUCT RECYCLING FACILITY



Minerals sector – delivering value to South Australia





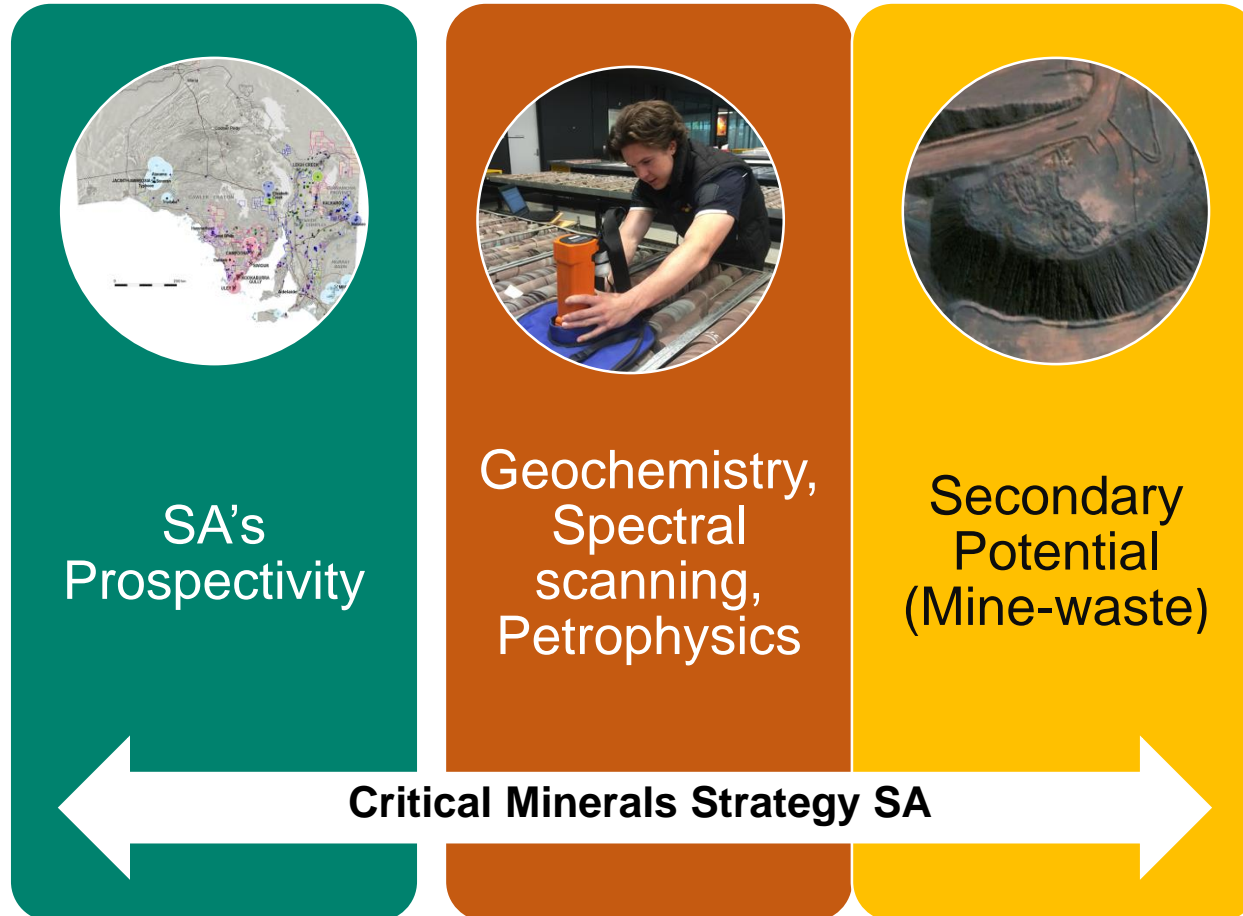
Current Critical Mineral resources and known occurrences

Company activity – the search is on

- Growing number of announcements from companies now active in critical minerals space
 - Past 12 months ~20 announcements regarding updates to existing projects (increased resources) or new discoveries
 - Across a range of geological domains and mineral systems
 - Include: Graphite, Copper-REE, Copper-Cobalt, Ionic clay REE, Kaolin - Halloysite



New geoscience – Critical Minerals South Australia



- A SA government funded, precompetitive geoscience project over next 2 years
- Seeks to understand the economic potential of Critical Minerals to SA
- Create the first critical mineral dataset across the state's key mineral systems
- This week a ranking review of the State's mine waste potential for critical minerals will be published online (SARIG)
- **Find out more at our presentation – Australia Minerals Booth, Tuesday. 3pm**

South Australian Drill Core Library

- Recognised as global leader
- Over 8M metres curated core
- Open to industry for core viewing, sampling & analysis





austmineconference.com.au

Thank you

Alex Blood
Mineral Resources Division – Department for Energy and Mining



Contact the SA team:

- DEM.CustomerServices@sa.gov.au
- energymining.sa.gov.au





TARUGA

Future Facing Metals in South Australia

PDAC Presentation
March 2023



CORPORATE OVERVIEW

Focus on Rare Earth Elements & Copper in SA

Capitalisation Data⁽¹⁾

\$0.017

Share Price

690M

Basic S/O

A\$0.65M

Receivables ⁽³⁾

~\$12M

Market Cap

\$4.1M

Net Cash⁽²⁾

~\$7.9M

EV

Board & Management

THOMAS LINE

CEO

GARY STEINEPREIS

Non-Executive Director

PAUL CRONIN

Non-Executive Director

ERIC DE MORI

Non-Executive Director

DAVID CHAPMAN

Non-Executive Director

DAN SMITH

Company Secretary

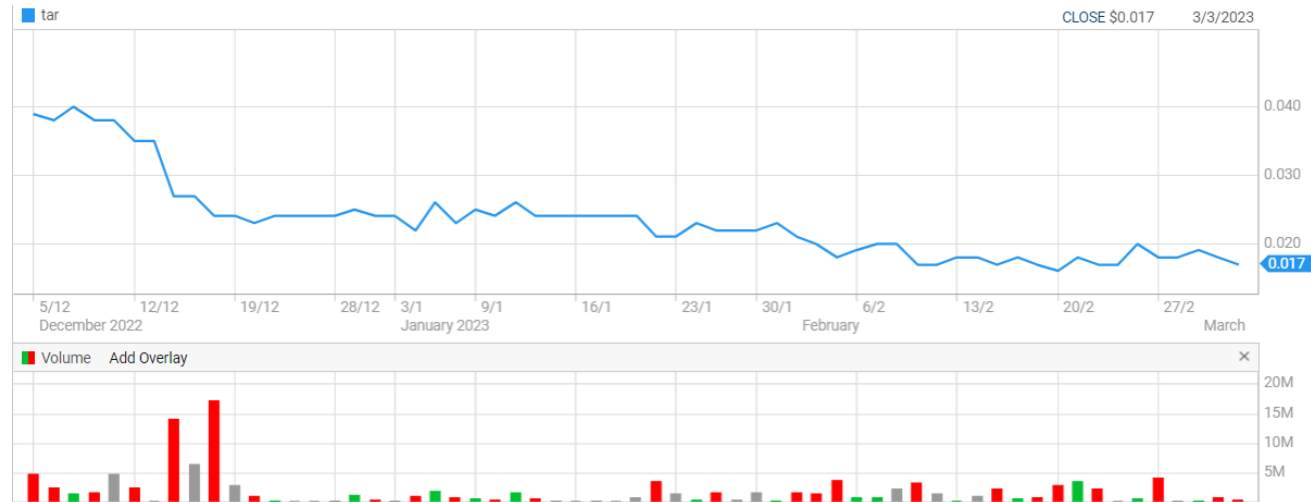
1. As at market close 08 Feb 2023

2. Cash and receivables as of 31 December 2022

3. Accelerated Discovery Initiative funding announced 16/06/22



Share Price and Volume (Dec 2022 - March 2023)



Top Shareholders

Board & Management

~10%

Top 20

~50%

RARE EARTHS & COPPER IN SA

Land of Copper Giants, Emerging REE Province

Great infrastructure (power, rail and ports)

Mt Craig Project

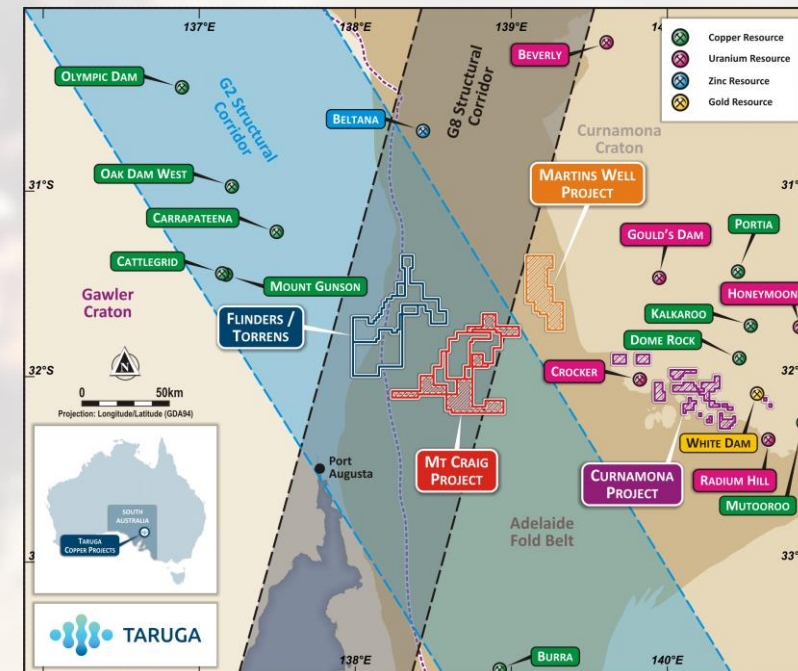
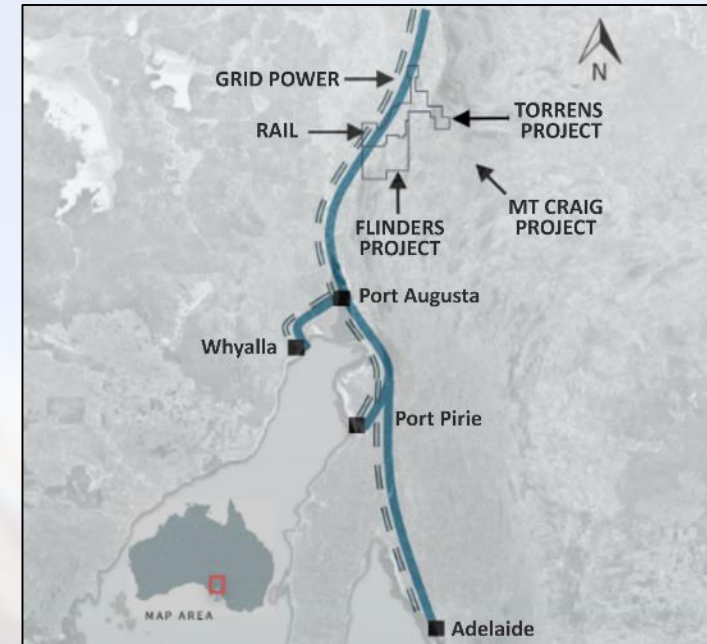
Clay Hosted REEs (1500km² 100% TAR)

- A new high-value REE province is being uncovered by Taruga, in the underexplored Adelaide Fold Belt
- Metallurgical and beneficiation studies currently underway
- Significant exploration upside potential with numerous regional REE and targets identified over 34km strike

Flinders Copper Project

Copper (1400km² 100% TAR)

- Located in the Gawler Craton – Home of Copper Giants
- Olympic Dam (10 billion tonnes @ 0.82% Cu, 0.31g/t Au, 1.6g/t Ag 260ppm U3O8) ~ 160km
- Carrapateena (760 Mt @ 0.78% Cu, 0.3g/t Au, 3.3g/t Ag and 143ppm U3O8) ~ 60km
- High grade IOCG mineralisation at surface
- Major infrastructure hub within the project with major ports nearby





MT CRAIG PROJECT

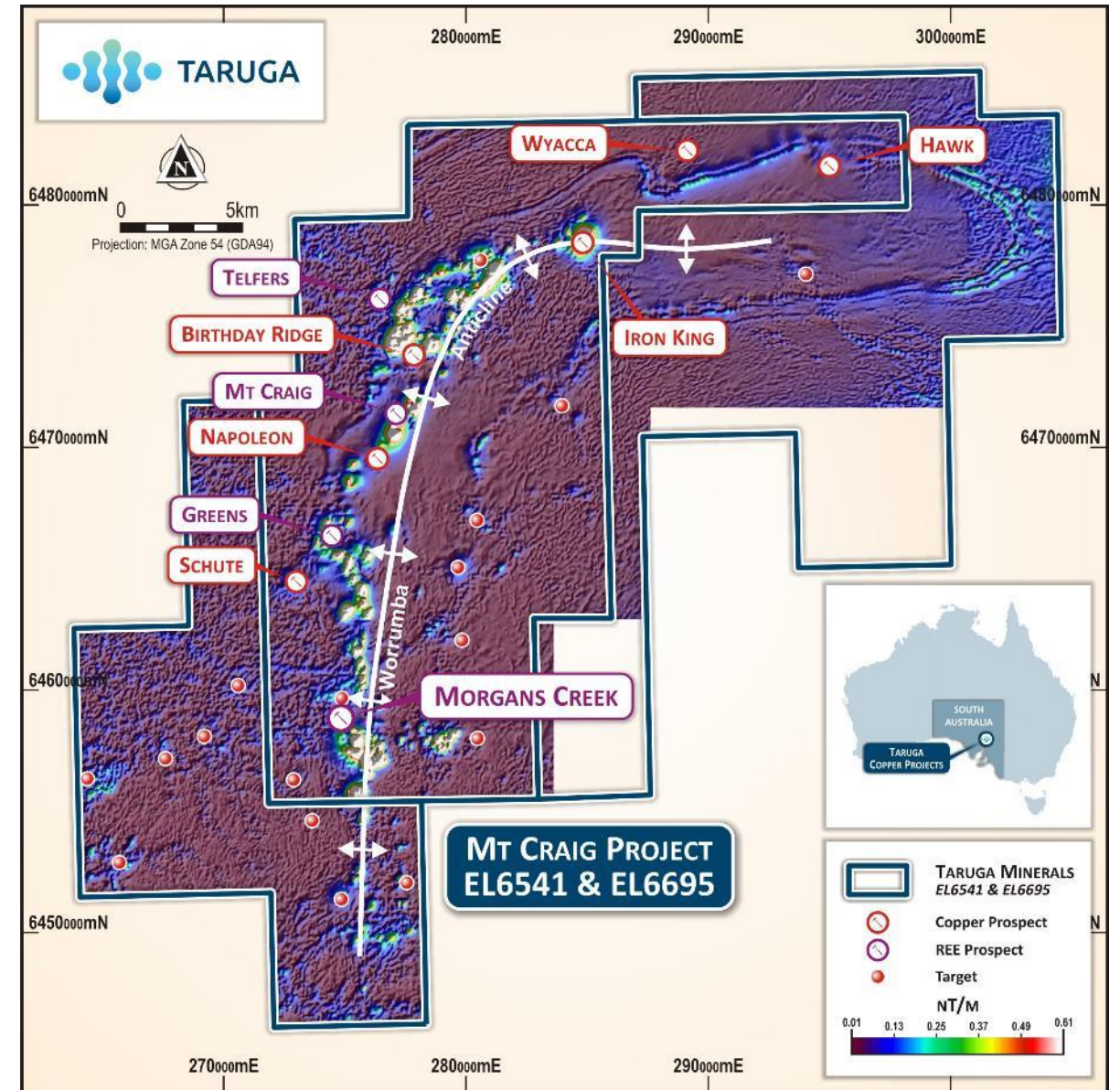
High-Grade REEs & Copper

PROJECT SUMMARY

MT CRAIG PROJECT (100% TAR)

Clay-hosted rare earth elements and copper

- Large 1,500km² project (100% TAR)
- Dominated by a 34km long major structure and outcropping diapiiric breccia system
- 34km of prospective strike (REEs and copper discovered)
- Taruga 'owns the whole system – no competitors
- Exploration friendly jurisdiction
- REEs and Copper exploration co-funded by State Government under the Accelerated Discovery Initiative (~\$1M in funding over the past 18 months)





MORGAN'S CREEK REEs

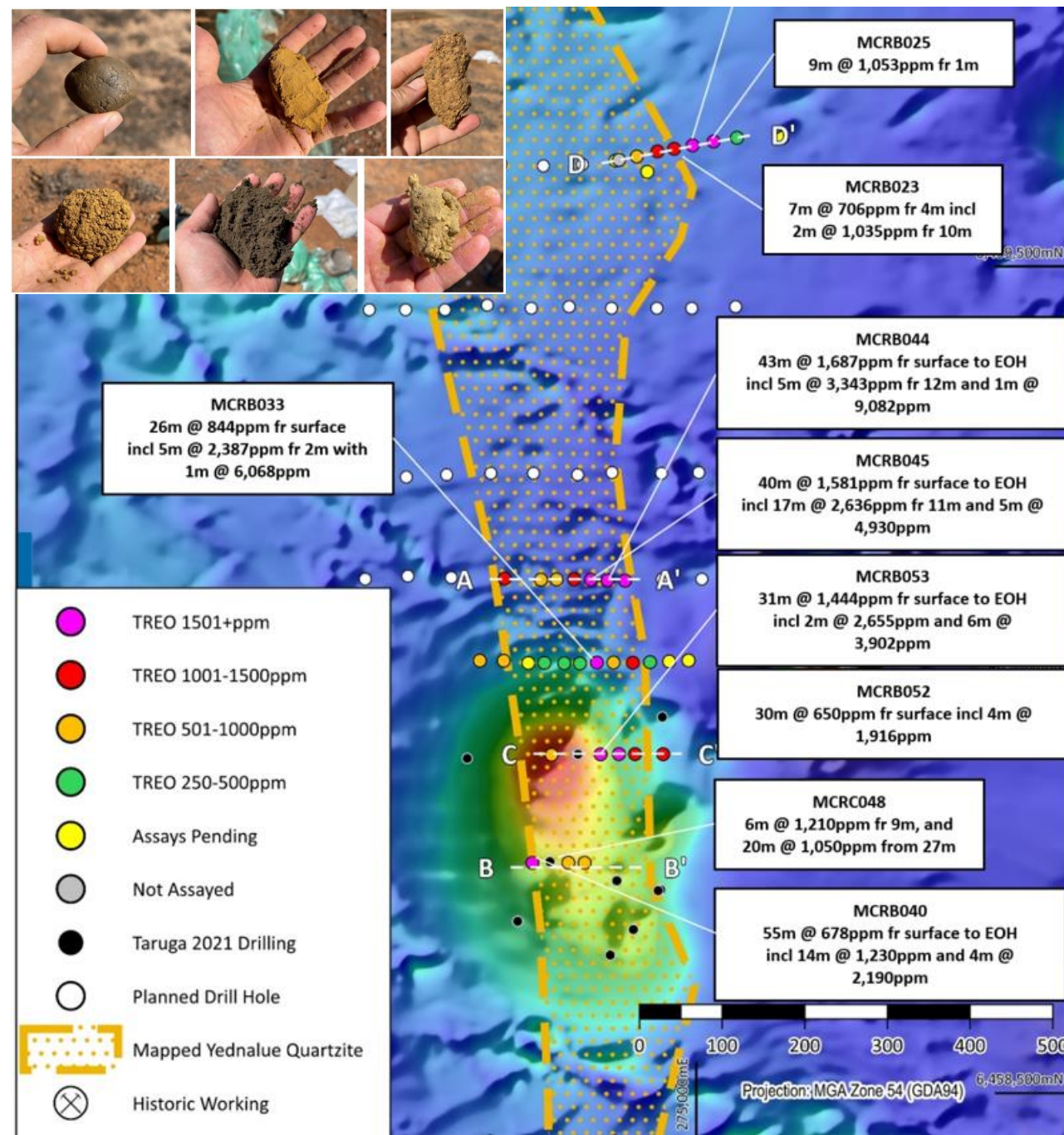
High grade REEs from surface

- REE mineralisation from surface to end of hole
- Long strike
- High basket value + high grade
- Heavy REE and magnet REE dominate
- Low deleterious elements
- Thick mineralisation

Example highlight: 43m @ 1,687ppm TREO from surface to EOH (40% MREO)

including: 5m @ 3,343ppm and 1m @ 9,082ppm TREO fr 12m, 14m @ 2,979ppm

(0.30%) TREO from 29m to EOH, with 2m @ 7,052ppm TREO from 29m (42% MREO)



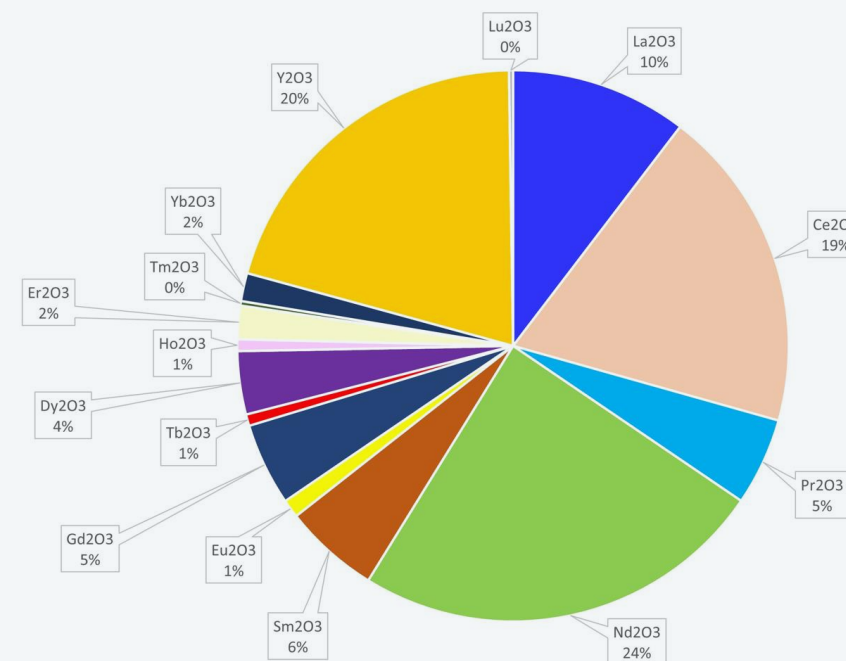


MORGAN'S CREEK

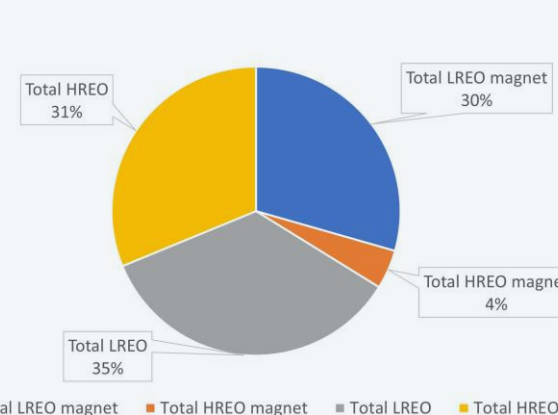
Outstanding basket and advanced metallurgy

- Exceptional Basket and positive initial metallurgy
- High MREO (Nd + Pr + Dy + Tb) content of 34% MREO
- High Tb and Dy content well above peer average
- Very high NdPr content average of 29%
- Low levels of deleterious elements U + Th + Fe + Ca
- Positive preliminary met results with recoveries of up to 70% of the MREO.
- Importantly, **these recoveries were achieved with a moderate sulphuric acid leach** (50g/L @ 50°C); with many peers using much harsher and more expensive acids (HCL) at higher temperatures and higher acid concentrations (**up to 6 x more expensive**)

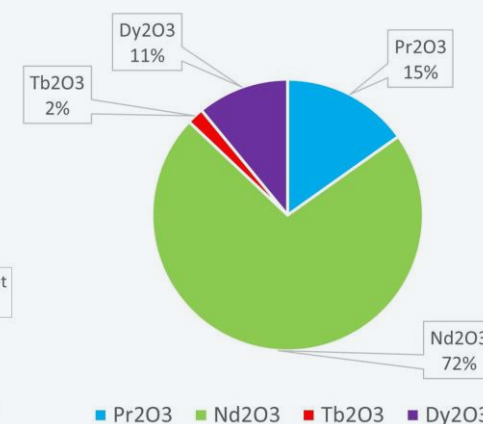
DISTRIBUTION OF RARE EARTH OXIDE ELEMENTS



DISTRIBUTION OF HEAVY & LIGHT RARE EARTH OXIDE ELEMENTS



DISTRIBUTION OF MAGNET RARE EARTH OXIDE ELEMENTS

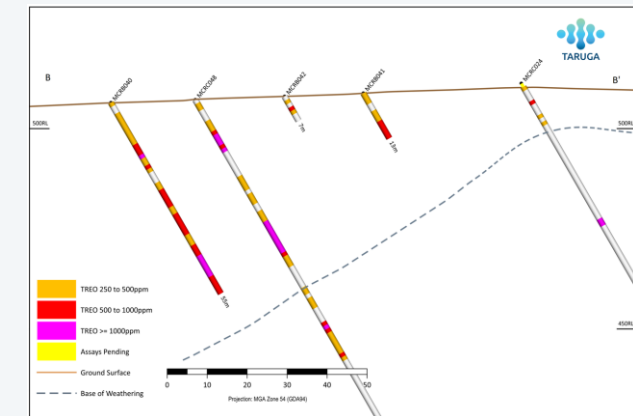
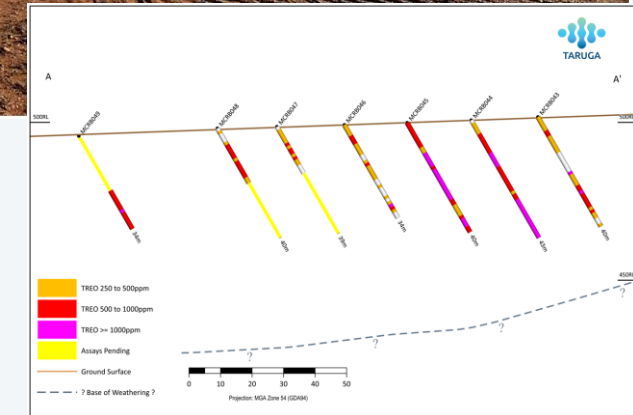
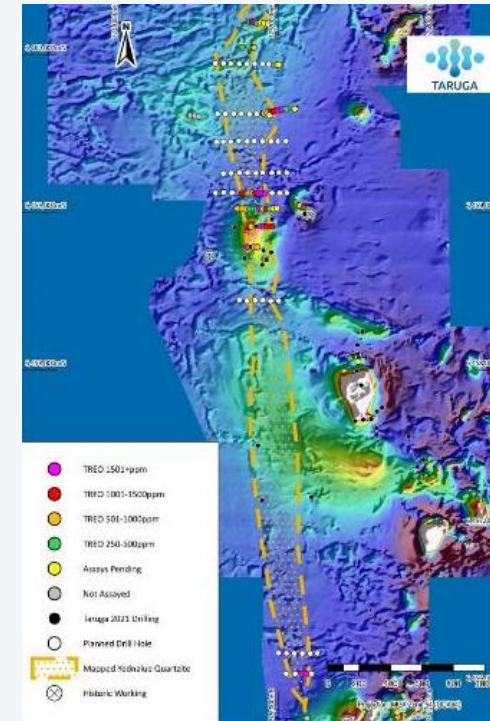




MORGAN'S CREEK

Flowsheet optimisation underway

- **Flowsheet optimisation (Q1 – Q2 2023):**
 - ANSTO acid leach testwork and mineralogical analysis
 - Review of processing and beneficiation options including leaching and flotation
- **Further exploration drilling**
 - Investment decision to follow flowsheet optimisation
- **Regional Exploration focused on new REE discoveries**
 - 1500km² prospective project geology
 - Assessment for carbonatite and alkaline intrusive sourcerock
 - Exploration for new major REE-clay trap sites around diapir margins

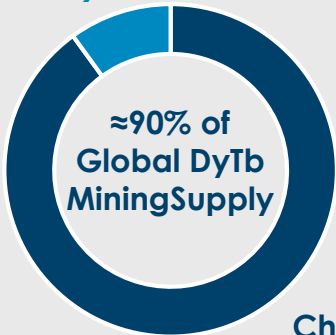


Heavy Rare Earths Offer a Competitive Advantage

China currently dominates the global supply of REE, specially the Heavy Rare Earth Elements

China HREE Production⁽¹⁾

ROW (by products)



China & Myanmar



China

REE-clay advantage:

- ✓ High value from HREE content
- ✓ Negligible radioactivity
- ✓ Low cost and capex due to simple metallurgy

Despite Chinese dominance, the Asian giant has be unable to lift HREE quotas

Production Quotas	LREE (Tonnes)	HREE (Tonnes)	Total (Tonnes)
2022	190,850	19,150	210,000
2021	148,850	19,150	168,000
2020	120,850	19,150	140,000
2019	112,850	19,150	132,000
2018	100,850	19,150	120,000
2017	87,150	17,850	105,000
2016	87,150	17,850	105,000
2015	87,150	17,850	105,000
2014	87,150	17,850	105,000
2013	75,950	17,850	93,800
CAGR	9.7%	0.7%	8.4%

Source: Ministry of Land Resources (MLR) of China
 (1)As of 2021; Includes Myanmar (2)Per United States Geological Survey

Sustainable Western sources of HREEs hold strategic and commercial significance



FLINDERS COPPER PROJECT

Iron-Oxide-Copper-Gold (IOCG)

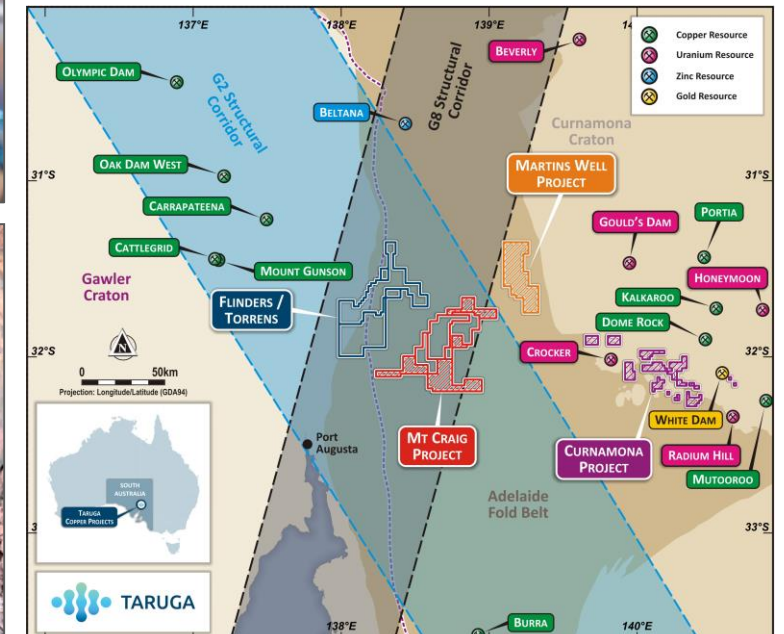
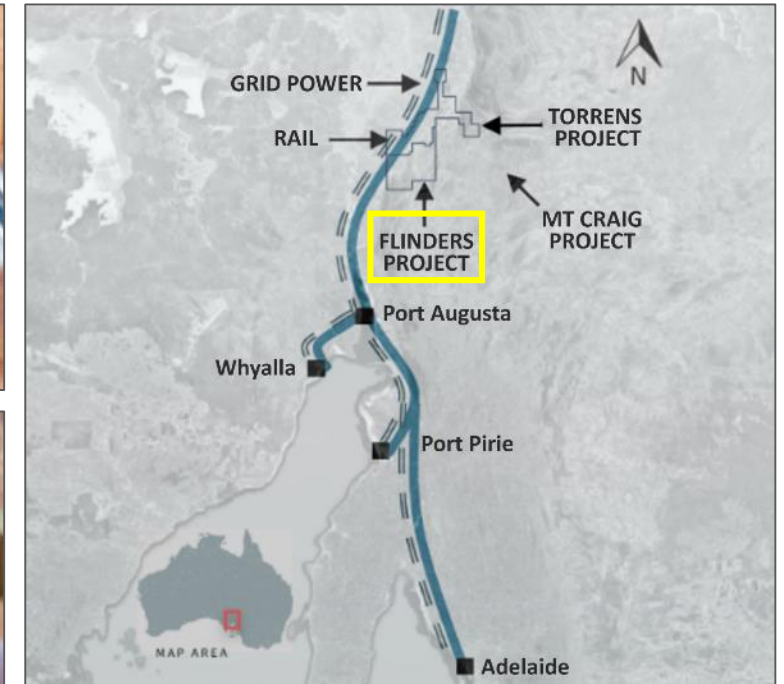
PROJECT SUMMARY

FLINDERS Cu PROJECTS

IOCG-style Cu targets over 15km of strike

- Well defined drill targets over **15km of strike** at Flinders
- ~ 1500km² land position on the eastern margin of the Gawler Craton
- Outstanding infrastructure: Power and Rail on lease
- **Outcropping** high-grade IOCG breccias (Cu-Au-Ag) supported by geophysical and geochemical anomalies
- Nearby Monster IOCG's:
 - Olympic Dam (10 billion tonnes @ 0.82% Cu, 0.31g/t Au, 1.6 g/t Ag 260ppm U₃O₈) ~ 160km
 - Carrapateena (760 Mt @ 0.78% Cu, 0.3g/t Au, 3.3g/t Ag and 143ppm U₃O₈) ~ 60km
- Awaiting Ministerial Approvals* to execute our maiden low-impact exploration drilling program

Refer ASX Announcements 17/11/2021

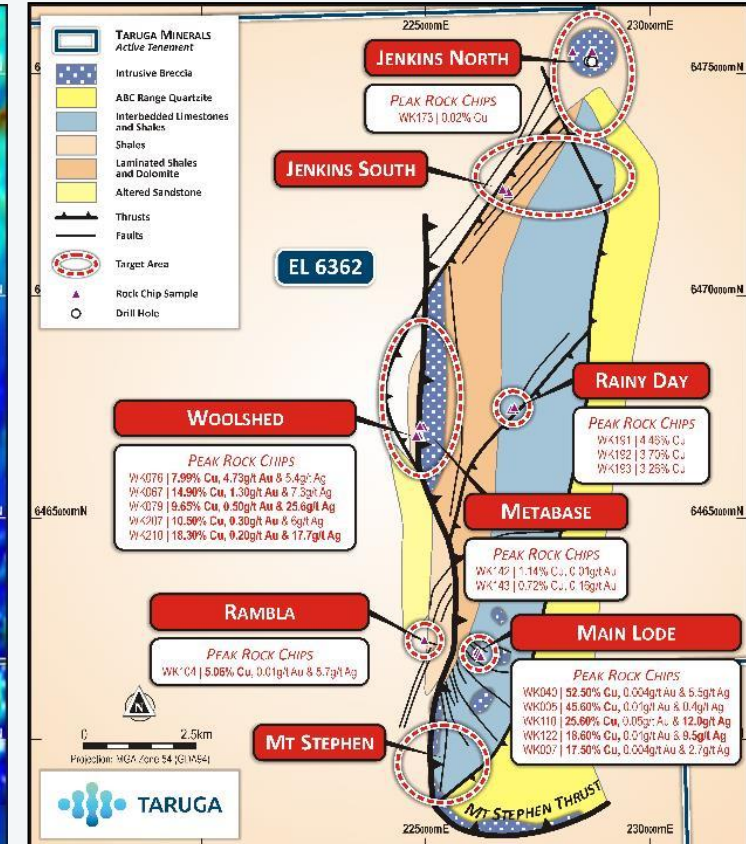
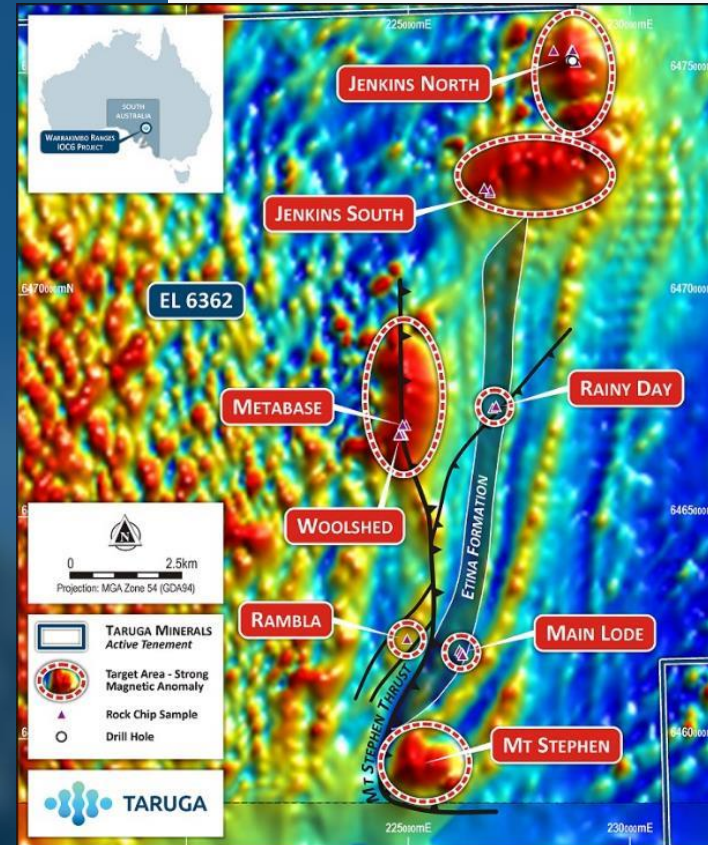




FLINDERS COPPER PROJECT

Surface mineralisation
over a strike-length of 15km

- Priority-1 prospects: Woolshed and Jenkins contain **well-defined drill-ready** targets with tracks and drill pads already established
- Only known IOCG project with outcropping IOCG mineralisation in SA
- Coincident and semi coincident pipe-like magnetic and gravity anomalies
- Modelling suggests large + high density/highly magnetic response at Jenkins associated with overlying copper mineralisation



Sample	Cu %	Au g/t	Ag g/t
WK005	45.6	0.01	0.4



Sample	Cu %	Au g/t	Ag g/t
WK076	8.0	4.73	5.4

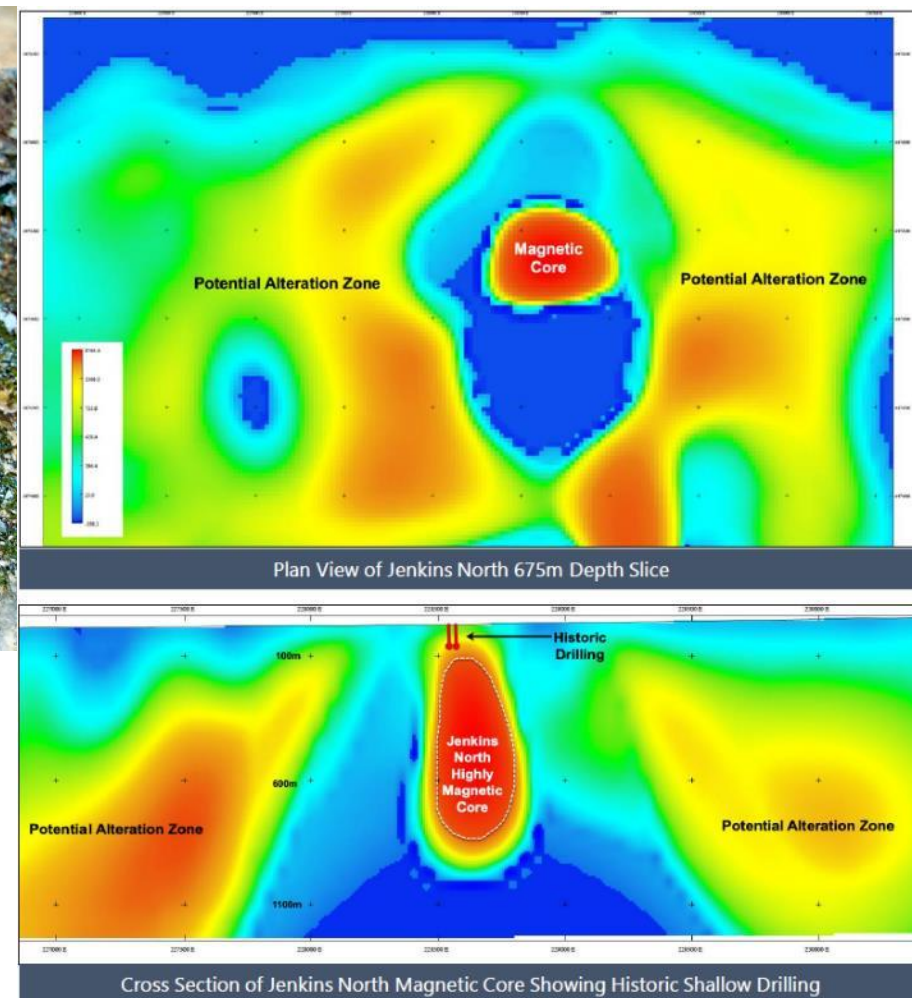
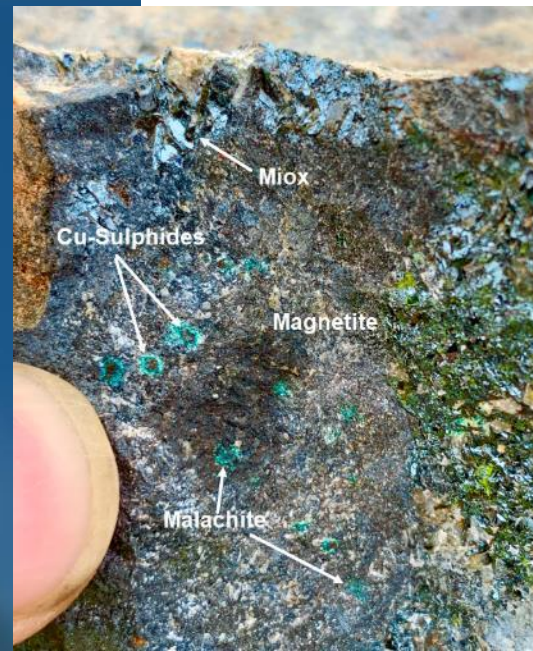


IOCG Mineralisation

FLINDERS COPPER PROJECT

Jenkins Prospect

- Several large magnetic and gravity anomalies with coincident overlying copper mineralisation and soils/auger geochem anomalism
- Hematite and magnetite altered volcanic breccias sub cropping
- The only 2 historical drillholes drilled on the Flinders Project were drilled at Jenkins north; these holes failed to intercept the modelled magnetic core however intersected hematite-magnetite altered breccia at EOH (90m)
- Increased resolution magnetics and gravity survey planned followed by RC drill testing





TAKE HOME MESSAGES

- Strong cash position of ~ \$4.1M
- Strong portfolio of Future Facing Metals (copper and REEs) in a proven world-class mineral field
- Low-cost exploration model (targets near surface)
- Discovery focussed active explorers with a strong ESG framework
- REE Flowsheet scoping underway with world-class team
- Large land position ~ >4000km²
- Strong State Government funding and support (~\$1Million to date)
- Discovery focussed active explorers with a strong ESG framework

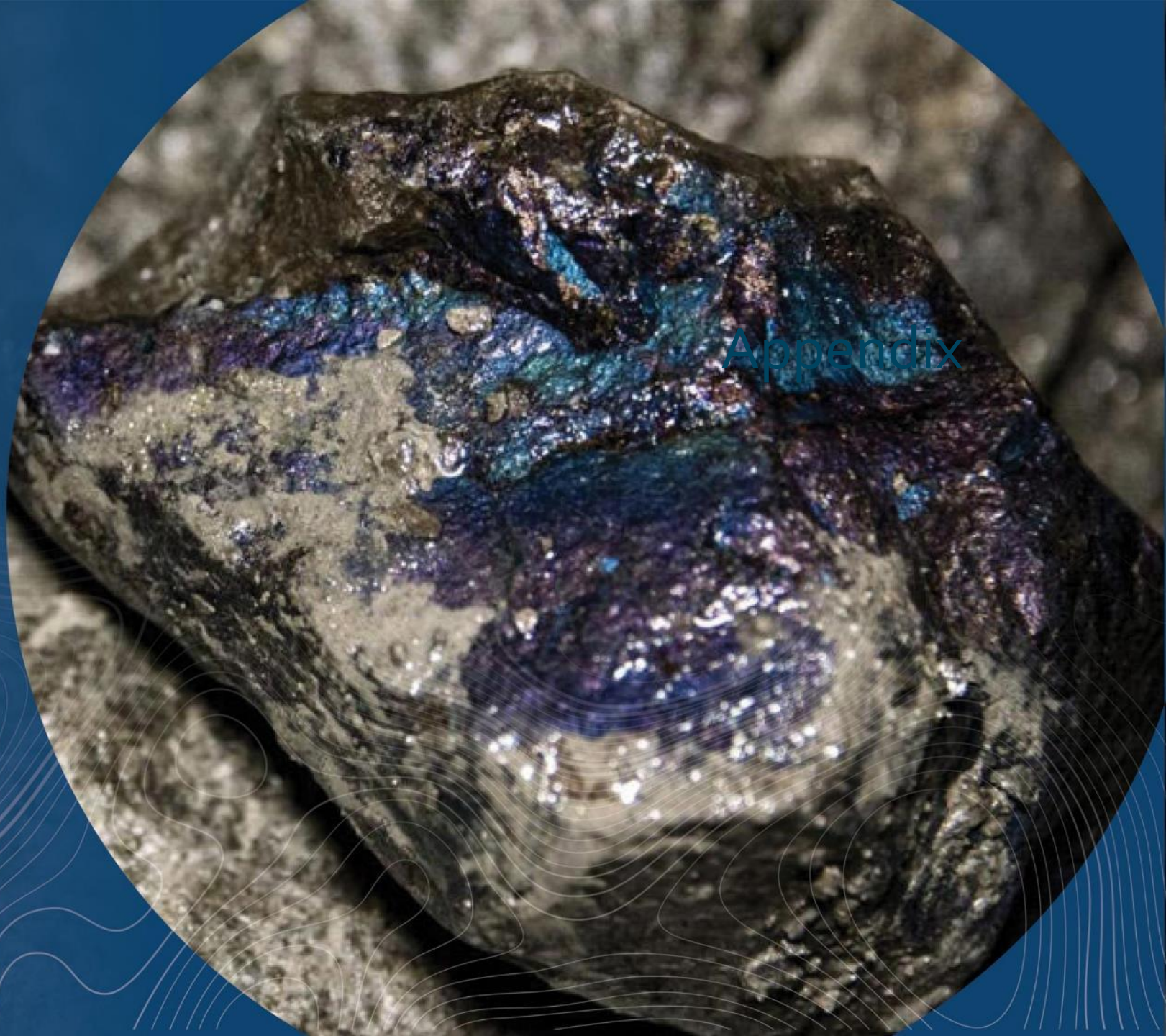




TARUGA

APPENDIX

Appendix



Competent Person Statement & Disclaimer



The information contained in this presentation has been prepared by Taruga Minerals Limited (Company).

Competent Person Statement

The information in this report that relates to exploration results is based on, and fairly represents information and supporting documentation prepared by Mr Brent Laws, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Processing and modelling of the geophysics have been conducted by Mr Jim Allender, a geophysical consultant to the Company through Allender Exploration. Jim Allender is a member of the Australian Institute of Geoscientists (AIG) and is an experienced geophysicist with over 30 years' experience. Mr Allender has sufficient experience relevant to the style of mineralisation and the type of deposit under consideration. Mr Laws is the Exploration Manager of Taruga Minerals Limited. Mr Laws 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 Resource and Ore Reserves". Both Mr Laws and Mr Allender consent to the inclusion in this report of the matters based on their information in the form and context in which it appears.

Taruga 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.

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TARUGA

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AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

Western Australia – It's Like No Other

Facilitating the Future of Energy and Exploration

Michele Spencer
Geological Survey of Western Australia



GOVERNMENT OF
WESTERN AUSTRALIA

Department of
Mines, Industry Regulation
and Safety

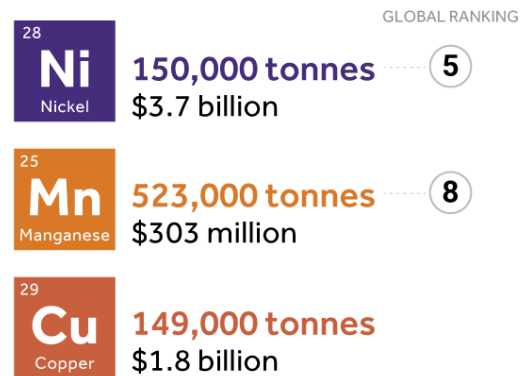
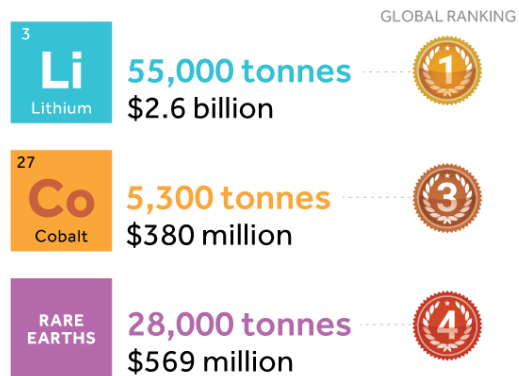
Western Australia – It's Like No Other

- Our Comparative Advantage
 - World class mineral and energy deposits
 - Stable and transparent regulatory environment
 - Low sovereign risk
 - State Government facilitation services
 - Large export infrastructure
 - Investment ready industrial areas
 - Industry leading environmental and social standards
 - World leading expertise in processing and design engineering
 - The most advanced geoscience state wide data sets provided free

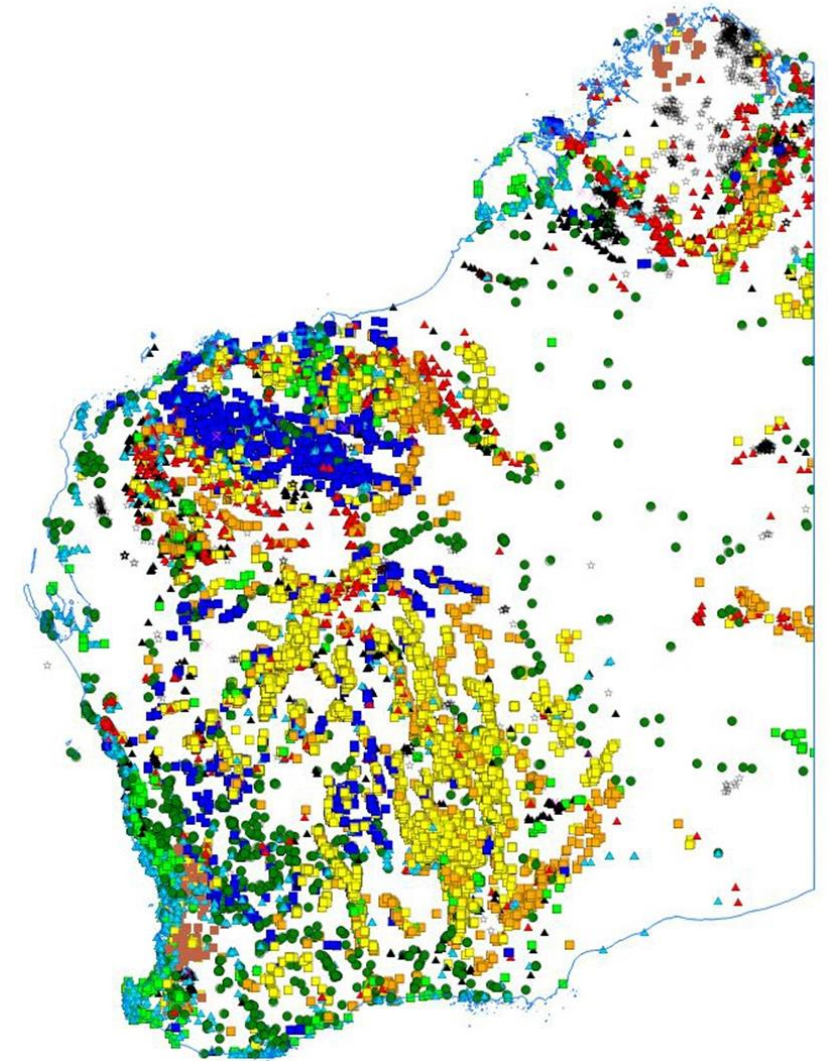


Mineral Endowment – What have we got?

- Upstream Industry is globally significant:
 - Western Australia ranks in the top 10 producers for 9 critical minerals
- Downstream industry is ramping up:
 - Lithium hydroxide
 - Nickel sulphate
 - Rare earths



Map of Western Australian mineral occurrences



MINERAL RESOURCE POTENTIAL IN WESTERN AUSTRALIA

I 1 H Hydrogen 1.01																	XVIII 2 He Helium 4.00
3 Li Lithium 6.94	4 Be Beryllium 9.01											XIII 5 B Boron 10.81	XIV 6 C Carbon 12.01	XV 7 N Nitrogen 14.01	XVI 8 O Oxygen 16.00	XVII 9 F Fluorine 19.00	10 Ne Neon 20.18
11 Na Sodium 22.99	12 Mg Magnesium 24.31											13 Al Aluminium 26.98	14 Si Silicon 28.09	15 P Phosphorus 30.97	16 S Sulfur 32.06	17 Cl Chlorine 35.45	18 Ar Argon 39.95
19 K Potassium 39.10	20 Ca Calcium 40.08	21 Sc Scandium 44.96	22 Ti Titanium 47.88	23 V Vanadium 50.94	24 Cr Chromium 51.99	25 Mn Manganese 54.94	26 Fe Iron 55.85	27 Co Cobalt 58.93	28 Ni Nickel 58.69	29 Cu Copper 63.55	30 Zn Zinc 65.38	31 Ga Gallium 69.72	32 Ge Germanium 72.63	33 As Arsenic 74.92	34 Se Selenium 78.97	35 Br Bromine 79.90	36 Kr Krypton 84.80
37 Rb Rubidium 85.47	38 Sr Strontium 87.62	39 Y Yttrium 88.91	40 Zr Zirconium 91.22	41 Nb Niobium 92.91	42 Mo Molybdenum 95.95	43 Tc Technetium 98.91	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.90	54 Xe Xenon 131.29
55 Cs Cesium 132.91	56 Ba Barium 137.33	57-71 Lanthanides	72 Hf Hafnium 178.49	74 Ta Tantalum 180.95	74 W Tungsten 183.85	75 Re Rhenium 186.21	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.20	83 Bi Bismuth 208.98	84 Po Polonium [208.98]	85 At Astatine 209.98	86 Rn Radon 222.02
87 Fr Francium 223.02	88 Ra Radium 226.03	89-103 Actinides	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nehonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [289]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]
57 La Lanthanum 138.91	58 Ce Cerium 140.12	59 Pr Praseodymium 140.91	60 Nd Neodymium 144.24	61 Pm Promethium 144.91	62 Sm Samarium 150.36	63 Eu Europium 151.96	64 Gd Gadolinium 157.25	65 Tb Terbium 158.93	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93	68 Er Erbium 167.26	69 Tm Thulium 168.93	70 Yb Ytterbium 173.06	71 Lu Lutetium 174.97			
89 Ac Actinium 227.03	90 Th Thorium 232.04	91 Pa Protactinium 231.04	92 U Uranium 238.03	93 Np Neptunium 237.05	94 Pu Plutonium 244.06	95 Am Americium 243.06	96 Cm Curium 247.07	97 Bk Berkelium 247.07	98 Cf Californium 251.08	99 Es Einsteinium [254]	100 Fm Fermium 257.10	101 Md Mendelevium 258.10	102 No Nobelium 259.10	103 Lr Lawrencium [262]			

[modified from original obtained from <https://sciencenotes.org/printable-periodic-table/>]

Mineral Endowment – Globally what do we need?



The New Natural Gas... Hydrogen

- WA's Renewable Hydrogen Strategy
 - Vast renewable energy source potential
 - Large land mass
 - Strong existing gas industry presence
- Opportunities for natural Hydrogen
 - GSWA and CSIRO research
 - Fairy circles and H₂ surface seepage
 - Up to 1000ppm H₂ measured at the surface
 - H₂ found in 38 wells (trace to 95%)



Image of Fairy Circles discovered by CSIRO
(Frery et al, 2021)



Western Australia's Readiness to Transition

Government initiatives

- Cooperative Research Centres (CRC)
- Mineral Carbonation Roadmap
- Renewable Hydrogen Strategy
- \$1.25B Climate Action Fund
- Legislation for CCS and Hydrogen, including natural hydrogen
- Geothermal Energy acreages releases

Resources Sector initiatives

- Carbon neutral mines
- Replacing diesel with hydrogen
- Mineral carbonation in tailings facilities
- Electrification of mines
- Energy companies pivot to ammonia / hydrogen and derivatives
- Researching underground CCS

For further information

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Department of Mines, Industry Regulation and Safety

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Tel: +61 8 9222 3831 | Mob: 0447 157 759

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Thank you

Michele Spencer
Geological Survey of Western Australia



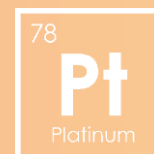
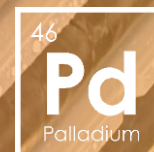
Department of
Mines, Industry Regulation
and Safety



The Julimar PGE-Ni-Cu-Co-Au discovery in Western Australia

Australia Minerals Seminar
Prospectors and Developers Association of Canada (PDAC)

6 March 2023



Forward looking statements and competent person(s) disclosure



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Forward-Looking Statement

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This presentation has been authorised for release by the Disclosure Committee.

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Mineral Resources Reporting Requirements

As an Australian company with securities listed on the Australian Securities Exchange (ASX), Chalice is subject to Australian disclosure requirements and standards, including the requirements of the Corporations Act 2001 and the ASX. Investors should note that it is a requirement of the ASX listing rules that the reporting of exploration results and mineral resources in Australia is in accordance with the JORC Code and that Chalice's exploration results and mineral resource estimates comply with the JORC Code. The requirements of JORC Code differ in certain material respects from the disclosure requirements of United States securities laws and other reporting regimes. There is no assurance that the Company's mineral resource estimates and related disclosures prepared under the JORC Code would be the same as those prepared under United States securities law other reporting regimes. The terms used in this announcement are as defined in the JORC Code. The definitions of these terms differ from the definitions of such terms for purposes of the disclosure requirements in the United States and other reporting regimes.

Competent Persons Statement

The information in this presentation that relates to exploration results for the Julimar Project is extracted from the following ASX announcements:

- "High-grade Ni-Cu-Pd Sulphide Intersected at Julimar", 23 March 2020
- "Preliminary Results from Second Target at Julimar Project" 24 March 2020
- "Significant Nickel-Palladium Discovery Confirmed at Julimar" 15 April 2020
- "Seismic identifies potential 1.6km extension of Gonnevillle", 6 September 2022
- "Major northern extension of Gonnevillle Intrusion confirmed", 19 October 2022
- "Outstanding wide high-grade intersections north of Gonnevillle", 23 November 2022
- "Promising new sulphide mineralisation at the Hooley Prospect", 8 December 2022
- "Julimar flowsheet development and scoping update", 13 December 2022

The information in this presentation that relates to Mineral Resources has been extracted from the ASX announcement titled:

- "Updated Gonnevillle Mineral Resource", 8 July 2022.

The above announcements are available to view on the Company's website at chalicemining.com

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the original release 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 relevant original market announcements. Refer to the attached Appendices for further information on the Mineral Resource Estimate and metal equivalents.



A globally recognised name in exploration – a team with a track record of **finding mines and rewarding shareholders**



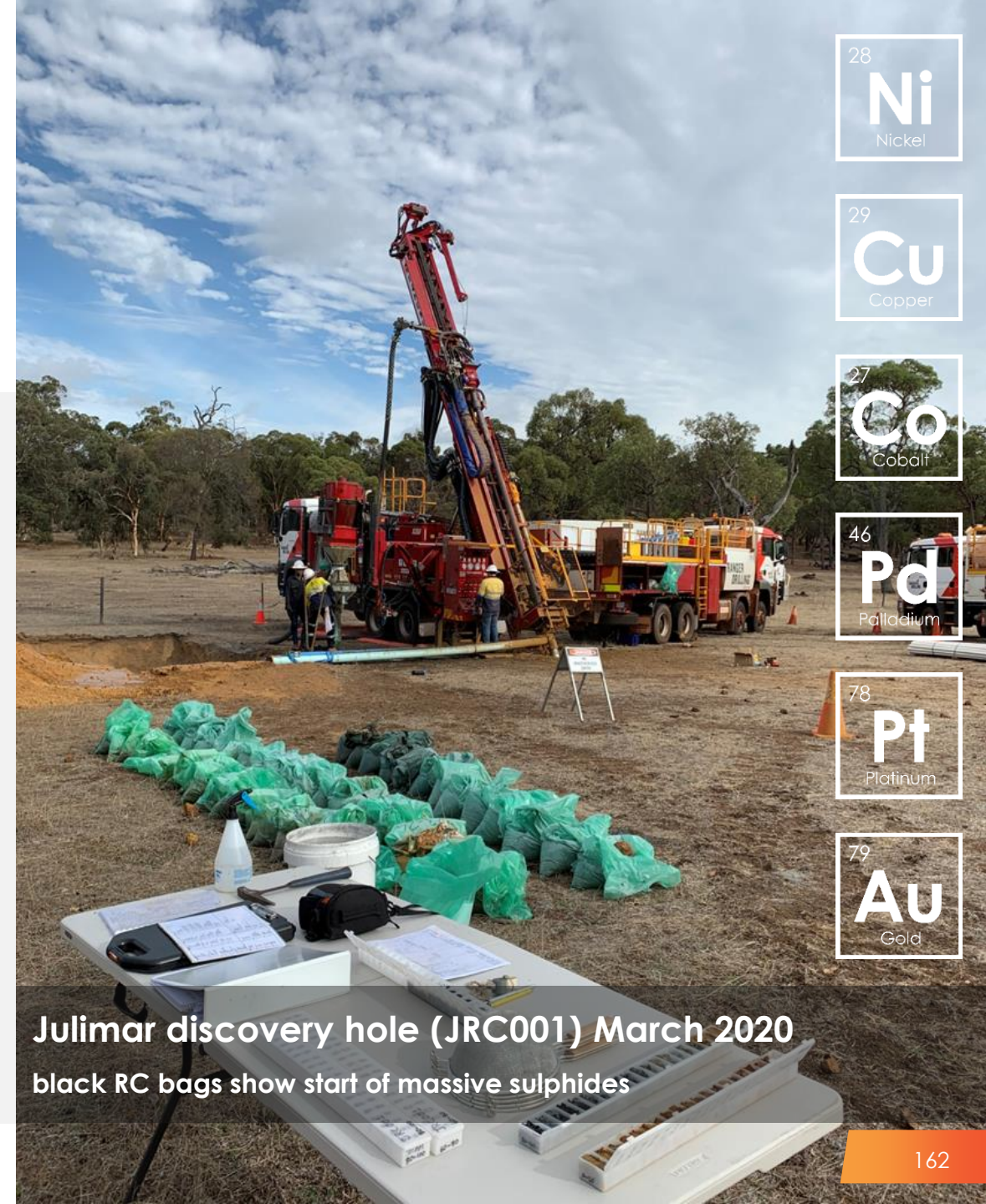
We have a high-performance, results driven culture – **our focus is world-class discoveries**



Our purpose is to find the metals needed to decarbonise the world (the *green metals*)



Our aspiration is to create a world class, multi-district green metals province



28
Ni
Nickel

29
Cu
Copper

27
Co
Cobalt

46
Pd
Palladium

78
Pt
Platinum

79
Au
Gold

Julimar discovery hole (JRC001) March 2020
black RC bags show start of massive sulphides

Julimar – a major new polymetallic critical minerals project in Western Australia

A remarkable new greenfield discovery in 2020, now a tier-1 scale Resource:

350Mt @ ~0.58% NiEq or ~1.8g/t PdEq¹ (~70% Indicated / ~30% Inferred):



11Moz 3E²

560kt Ni

360kt Cu

54kt Co

contained

equivalent to ~2.0Mt NiEq or ~20Moz PdEq contained

Including a higher-grade (>0.6% NiEq OP + UG) sulphide component, with upside:

82Mt @ ~1.0% NiEq or ~2.9g/t PdEq, extending from 30m to 700m+ (open)

Resource update expected in late Q1 2023



A **strategic, large-scale** Resource with rare mix of critical minerals in sulphide mineralogy



Green metals at Julimar are **essential for decarbonisation** technologies like batteries, electric vehicles and hydrogen



100% owned by Chalice, and located in WA, one of the **world's most attractive mining jurisdictions**



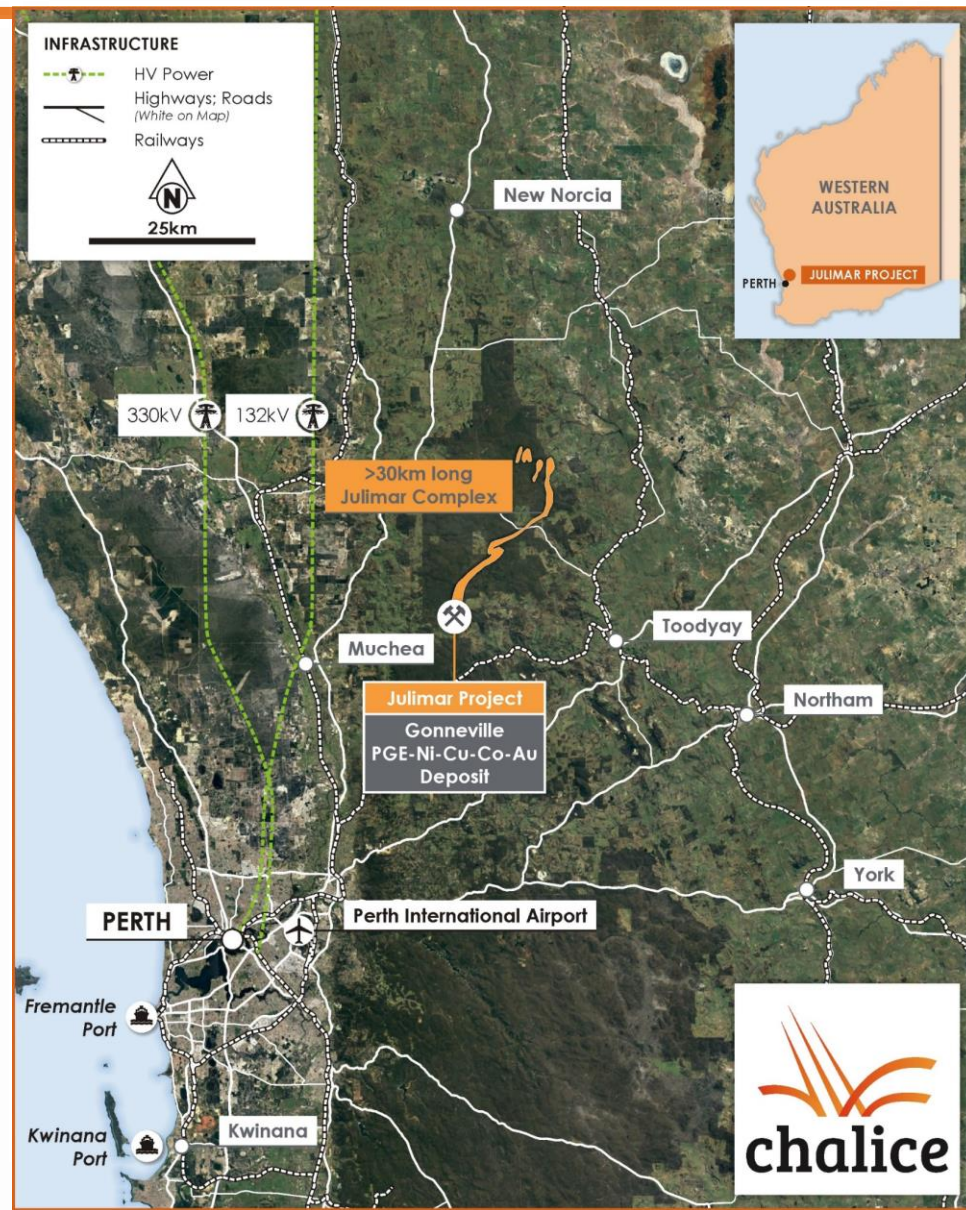
Strategy to explore and develop in parallel; **strategic minority JV partnerships** under consideration



Direct access to **major highway, rail, power, port infrastructure** as well as a **large local workforce**



Compelling exploration upside, Resource occupies just ~2km of newly recognised >30km long Julimar Complex



¹ Refer to full Mineral Resource Statement - ASX Announcement, 8 July 2022.

² 3E = Palladium (Pd) + Platinum (Pt) + Gold (Au)

Julimar is capturing attention as a **strategic asset** for Australia and the western world, given its rare palladium-nickel-cobalt content



Julimar is the **first major PGE discovery in Australia** and one of the few recent large-scale Ni-Cu-PGE discoveries in the western world

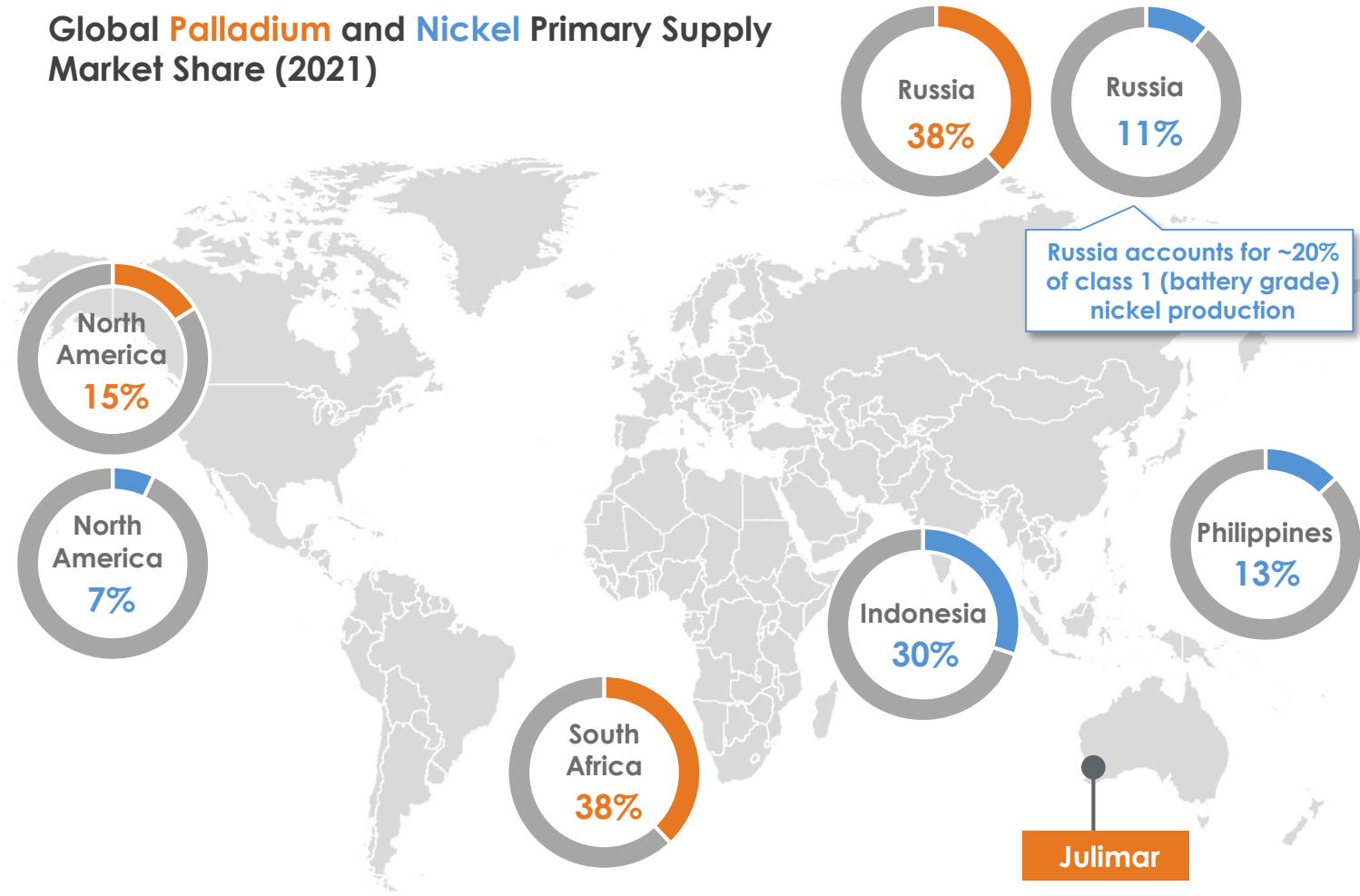
Pd, Pt, Ni and Co are classified as ‘**critical minerals**’ by most western governments

The western world is **extremely reliant** on **Russian Palladium supply** (~40% of global supply)

Located in one of the **world’s most stable and friendly mining jurisdictions** with a commitment to sustainable development

The Australian Government has committed >\$1 billion to **accelerate strategically significant projects** and **strengthen** internal critical mineral **security and supply chains**⁽¹⁾

Strategic partner interest⁽²⁾ in **Julimar’s large nickel sulphide endowment** has increased significantly, triggered by the US Inflation Reduction Act (IRA)

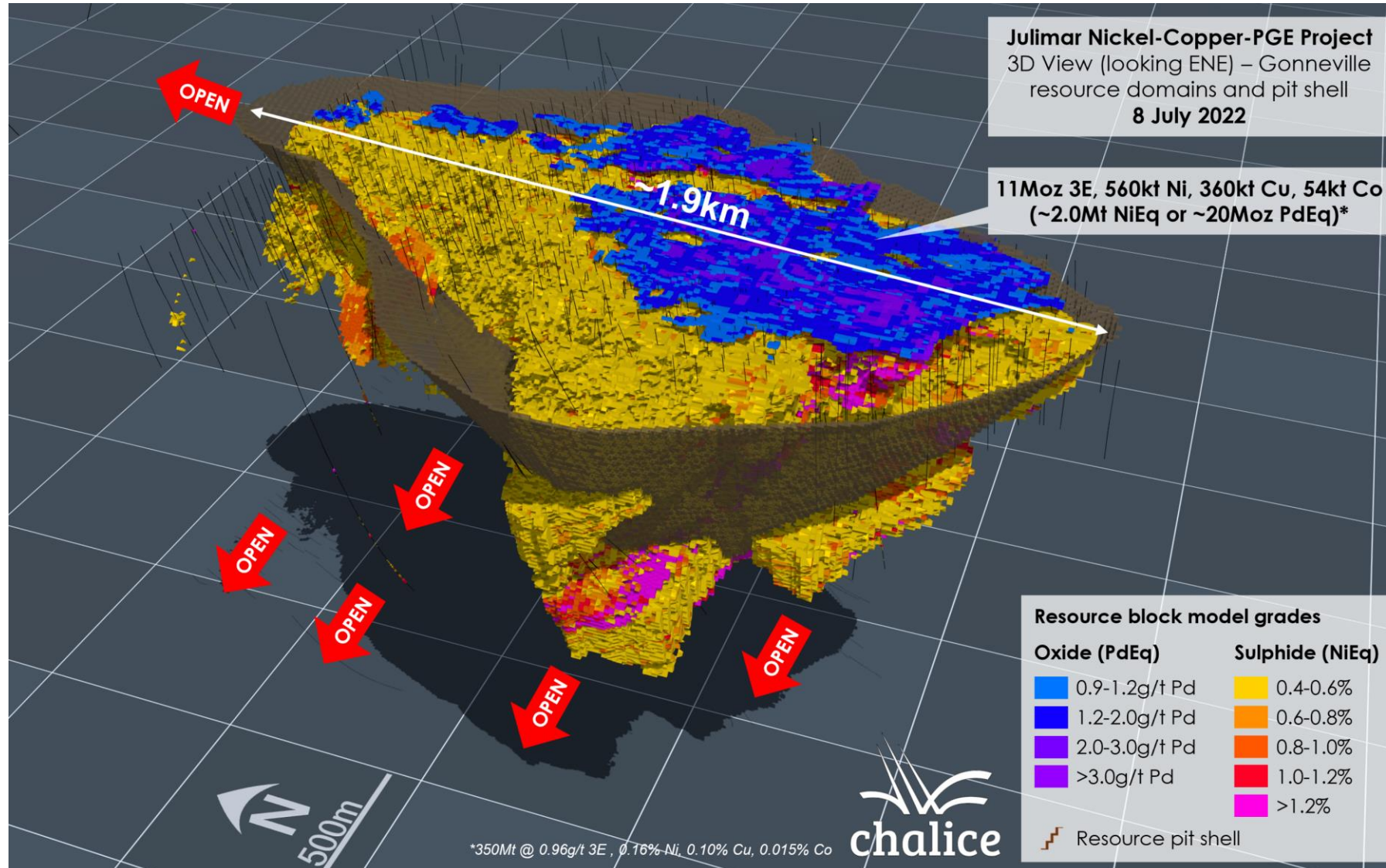


Source: 'Provision of PGM market intelligence and long-term metal price forecasts' SFA Oxford, March 2021
'Distribution of mine production of nickel worldwide in 2020*, by country', Statista, February 2022
(1) '2022 Critical Minerals Strategy' Department of Industry, Science, Energy and Resources, Australian Government, March 2022. (2) Discussions with potential partners are preliminary in nature.

Gonneville tier-1 scale, near-surface Resource has high-grade optionality and compelling growth potential



3D view (looking ENE) of Gonneville Resource domains and pit shell



Current Indicated and Inferred Mineral Resource Estimate¹:

- **350Mt** @ 0.96g/t Pd+Pt+Au (3E), 0.16% Ni, 0.10% Cu, 0.015% Co (~**0.58% NiEq** or ~**1.8g/t PdEq**)
- **11Moz 3E, 560kt Ni, 360kt Cu** and **54kt Co** contained
- Equivalent to ~**2.0Mt NiEq** or ~**20Moz PdEq** contained
- Resource is defined to depth of ~700m, **open to the north and at depth**
- Located entirely on **Chalice-owned farmland**

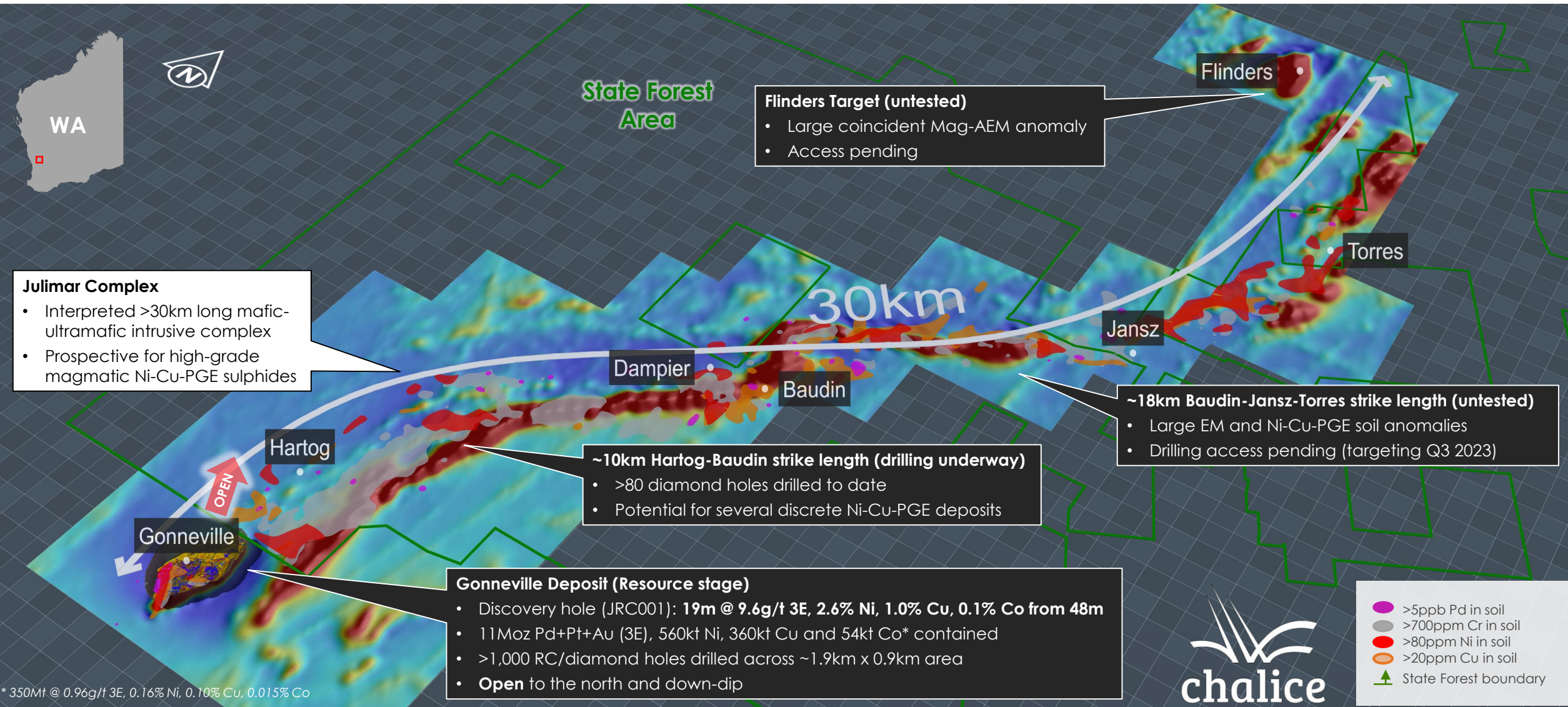
Resource update in progress, expected to be completed in late Q1 2023

¹ Refer to full Mineral Resource Statement in ASX Announcement - "Updated Gonneville Mineral Resource", 8 July 2022.

The Resource occupies just ~2km of the **>30km long Julimar Complex** – the upside to the north has the potential to transform the project

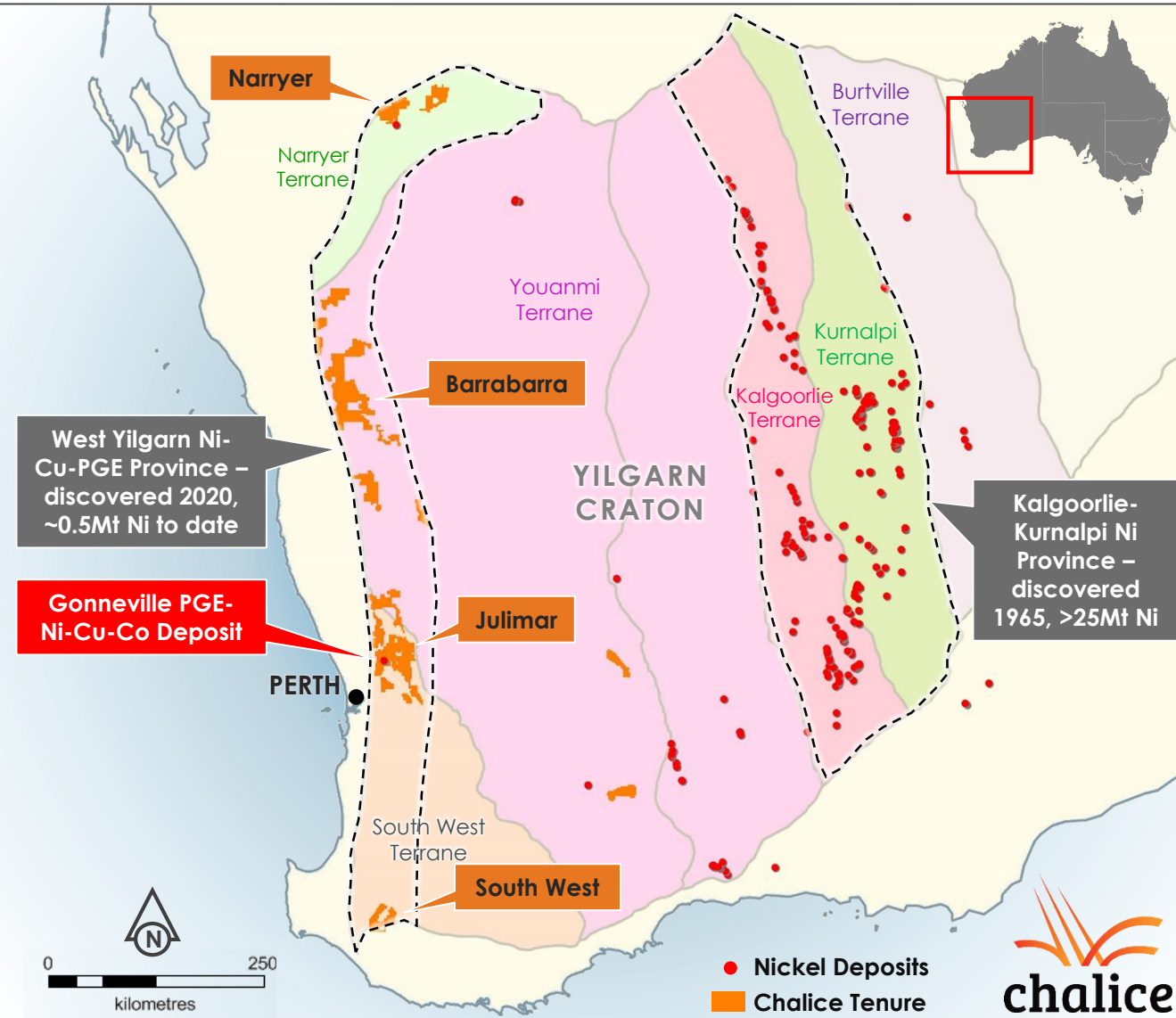


3D view (looking NW) of the Julimar Complex, Gonneville Deposit, targets, soil geochemistry over regional magnetics

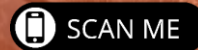


* 350Mt @ 0.96g/t 3E, 0.16% Ni, 0.10% Cu, 0.015% Co

The Julimar discovery has kick-started the new West Yilgarn Ni-Cu-PGE Province, which could deliver **more major critical mineral discoveries**



- Many of the **'Tier-1' orthomagmatic nickel-copper-PGE sulphide** deposits such as Norilsk, Jinchuan, Thompson and Voisey's Bay are located proximal to the margin of cratons
 - In WA, the Archaean age eastern Yilgarn craton hosts several world-class nickel sulphide deposits with over **25Mt of Ni** discovered since 1965
 - ~1,200km long western margin of the Yilgarn presents a **similar geological setting, but is almost entirely unexplored.**
 - **The Julimar discovery has re-rated the prospectivity of the West Yilgarn**
 - Chalice made the first major ortho-magmatic Ni-Cu-PGE discovery in the region (Julimar), subsequently staking **>8,000km² (our first mover advantage)**
-
- **Hundreds of potential host intrusions** already identified in our area – **AI assisted screening and prioritisation underway**
 - Rapid, low-cost exploration approach being used – EM, soil/auger sampling and shallow reconnaissance drilling
 - Potential for **highly variable** mineralisation styles (Ni:Cu:PGE metal ratios) across the province
 - **The prize is significant – i.e. Julimar discovery zone massive sulphides grading c. 3.2% Ni, 1.2% Cu, 10g/t 3E**



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AUSTRALIA MINERALS

REALISE THE OPPORTUNITY

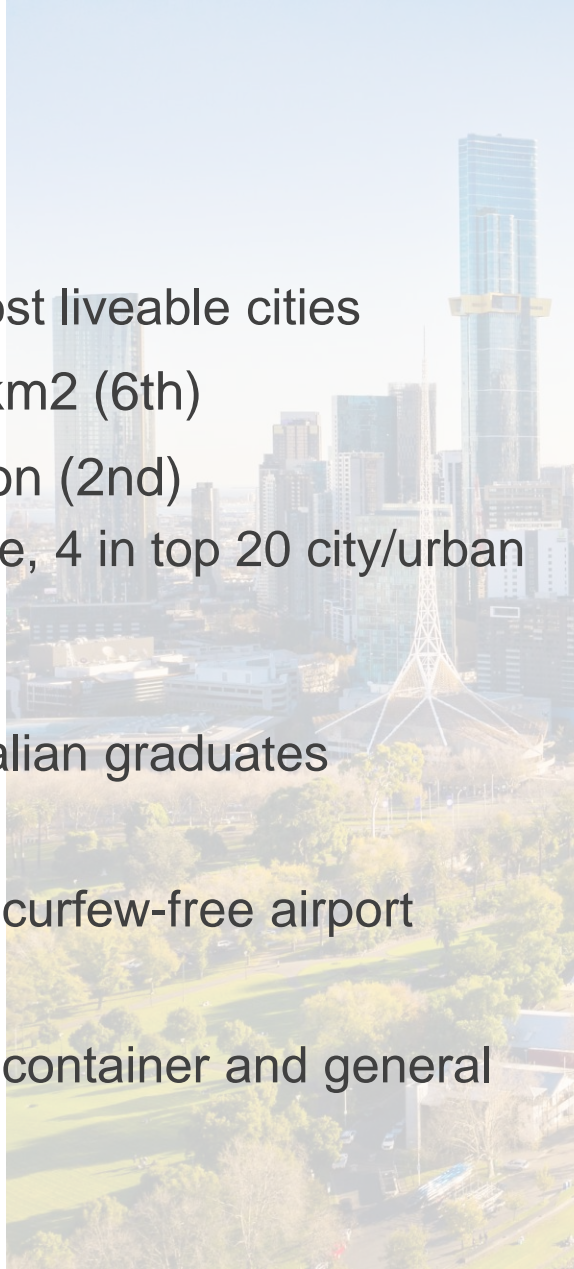
Resources investment in Victoria

Caroline Edwards
Commissioner to the Americas, Government of Victoria



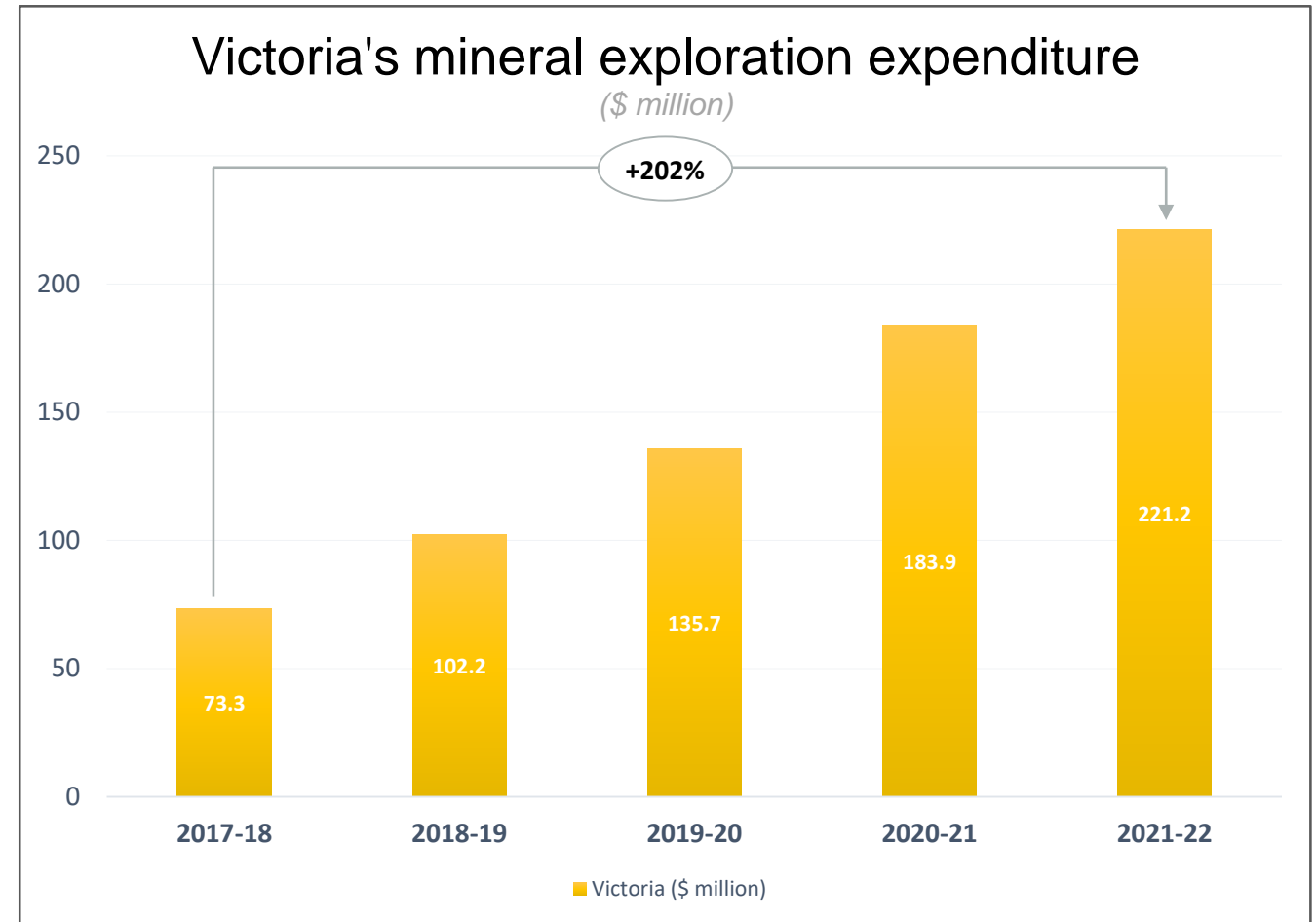
Victoria

- Capital: Melbourne
 - Top 10 World's most liveable cities
- Area (land): 227,436km² (6th)
- Population: 6.68 million (2nd)
 - >75% in Melbourne, 4 in top 20 city/urban centres
- Highly skilled
 - One third of Australian graduates
- Melbourne Airport
 - Australia's largest curfew-free airport
- Port of Melbourne
 - Australia's largest container and general cargo port



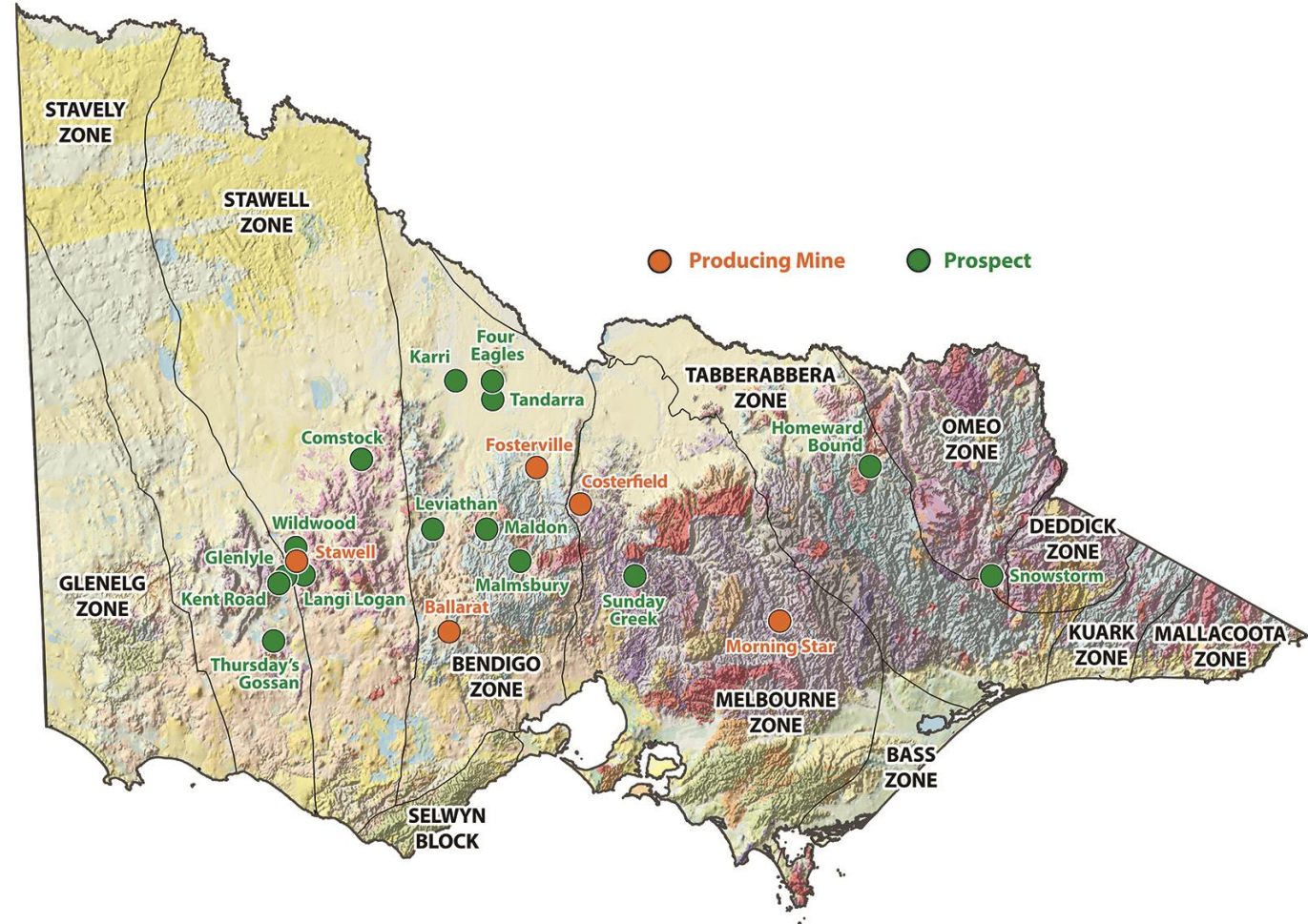
Performance highlights

- Victoria enjoyed **12 consecutive quarters of growth** in mineral exploration expenditure
- The June 2022 quarter recorded \$52.7 million expenditure
- Total FY2021-22 mineral exploration expenditure achieved a **record-breaking \$221.2 million**



Victoria's Gold

- One of the world's highest-grade underground gold mines at Costerfield
- One of the world's highest-grade, lowest-cost gold producers at Fosterville
- > 80 Moz produced
- ~75 Moz yet to find

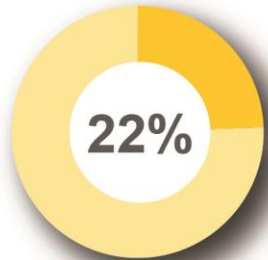


Western Victoria Mineral Sands

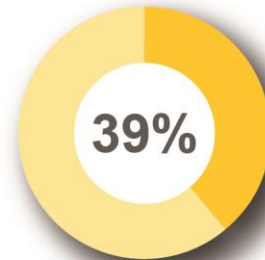
Victoria's
share of
Australia's
mineral sands



Rutile

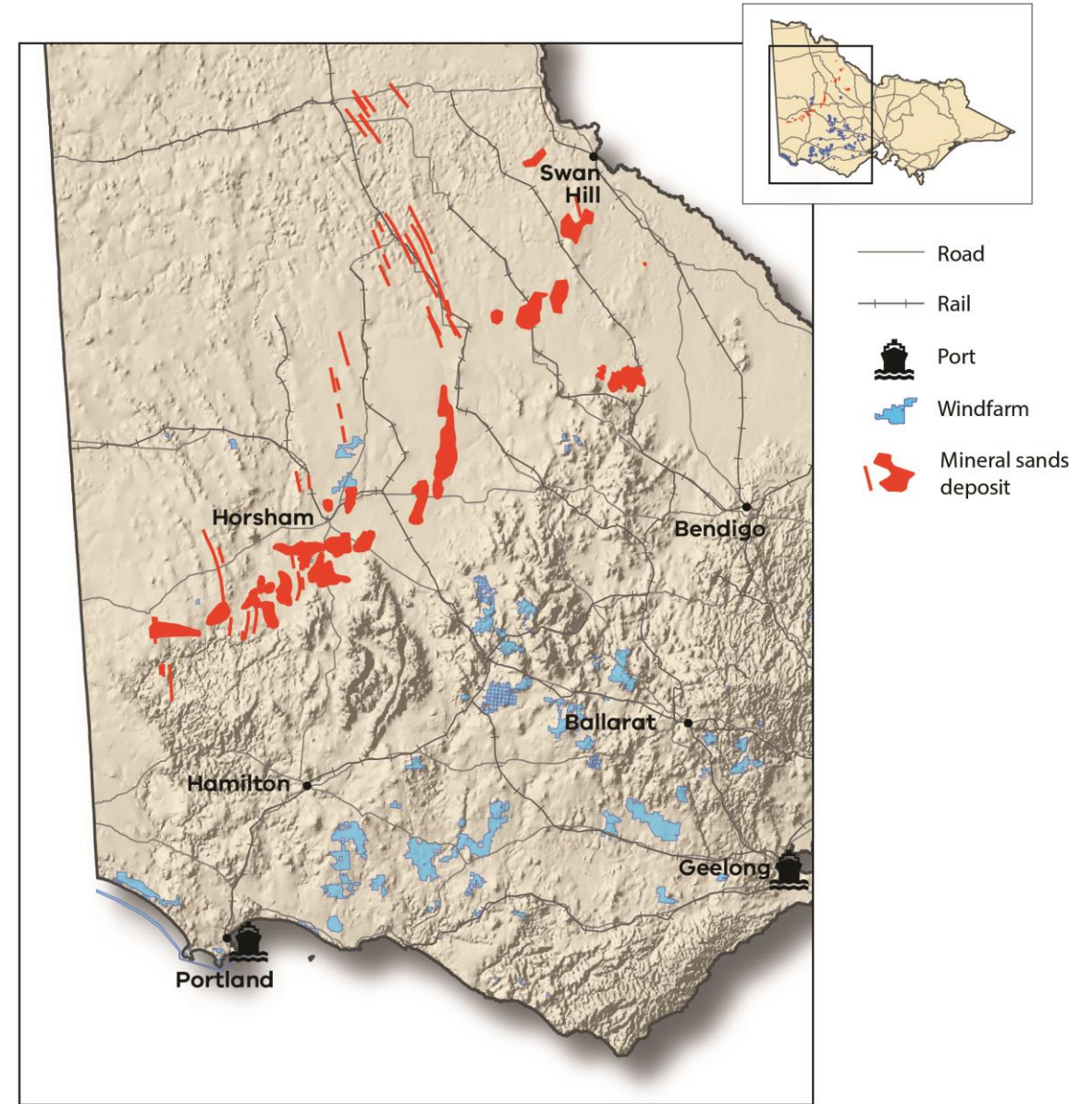


Ilmenite



Zircon

Source: Geoscience Australia
& Minerals Council of Australia¹



Victoria's Mining, Engineering, Technology Services (METS)

- \$26B annual revenue (pre-COVID), 50% is generated in minerals and mining*
- Highly skilled workforce exporting to Australia and internationally
- Victorian METS have the highest median spend on research and development in Australia*



Australia's largest mining event

- >7,500 delegates from >100 countries
- >450 mining leaders and resource experts
- >800 mining companies
- >340 technical talks / discussions / presentations
- FREE Exhibition
- >200 leading service companies

AUSTRALIA MINERALS

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Thank you

Caroline Edwards

Commissioner to the Americas
Government of Victoria

E: Caroline.Edwards@global.vic.gov.au



Chris Rowland

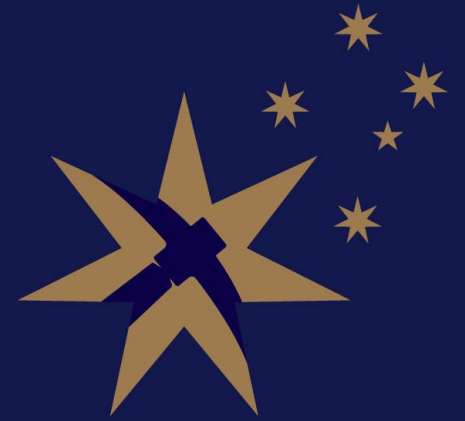
Investment Specialist – Critical Minerals
Geological Survey of Victoria

E: Christopher.Rowland@ecodev.vic.gov.au

www.earthresources.vic.gov.au



Victoria is Globally Significant for Two Metals
One the Most Critical You May Never Have Heard Of



**SOUTHERN CROSS
GOLD**

Michael Hudson, Managing Director, 06 March 2023

AUSTRALIA  **MINERALS**

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This presentation (“this Presentation”) has been prepared by Southern Cross Gold Ltd [ACN 652166795] (“SXG” or the “Company”) and is dated 06 March 2023.

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This Presentation contains summary information about the current and proposed activities of SXG as at the date of this Presentation. The information in this Presentation is of a general nature and does not purport to be complete. This Presentation does not purport to contain all the information that an investor should consider when making an investment decision nor does it contain all the information which would be required in a disclosure document or prospectus prepared in accordance with the requirements of the Corporations Act. It should be read in conjunction with the Company’s other periodic and continuous disclosure announcements lodged with the ASX, which are available at the ASX website www.asx.com.au under the code “SXG”. Neither SXG nor its directors, employees or advisers accept any responsibility to inform recipients specifically of any matter arising or coming to its attention after the date of this Presentation. Recipients should monitor SXG’s announcements to ASX, which can be obtained from ASX website as referred to above.

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Competent Person Statement

Information in this presentation that relates to new exploration results contained in this report is based on information compiled by Michael Hudson, a Fellow of the Australasian Institute of Mining and Metallurgy. He is MD for Southern Cross Gold Ltd. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity being 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 (the JORC Code). Michael Hudson has consented to the inclusion in this report of the matters based on this information in the form and context in which it appears. Certain information in this announcement that relates to prior exploration results is extracted from the Independent Geologist’s Report dated 16 March 2022 which was issued with the consent of the Competent Person, Mr Terry C. Lees. The report is included the Company’s prospectus dated 17 March 2022 which was released as an announcement to ASX on 12 May 2022 and is available at www2.asx.com.au under code “SXG”. The Company confirms that it is not aware of any new information or data that materially affects the information related to exploration results included in the original market announcement. The Company confirms that the form and context of the Competent Persons’ findings in relation to the report have not been materially modified from the original market announcement.

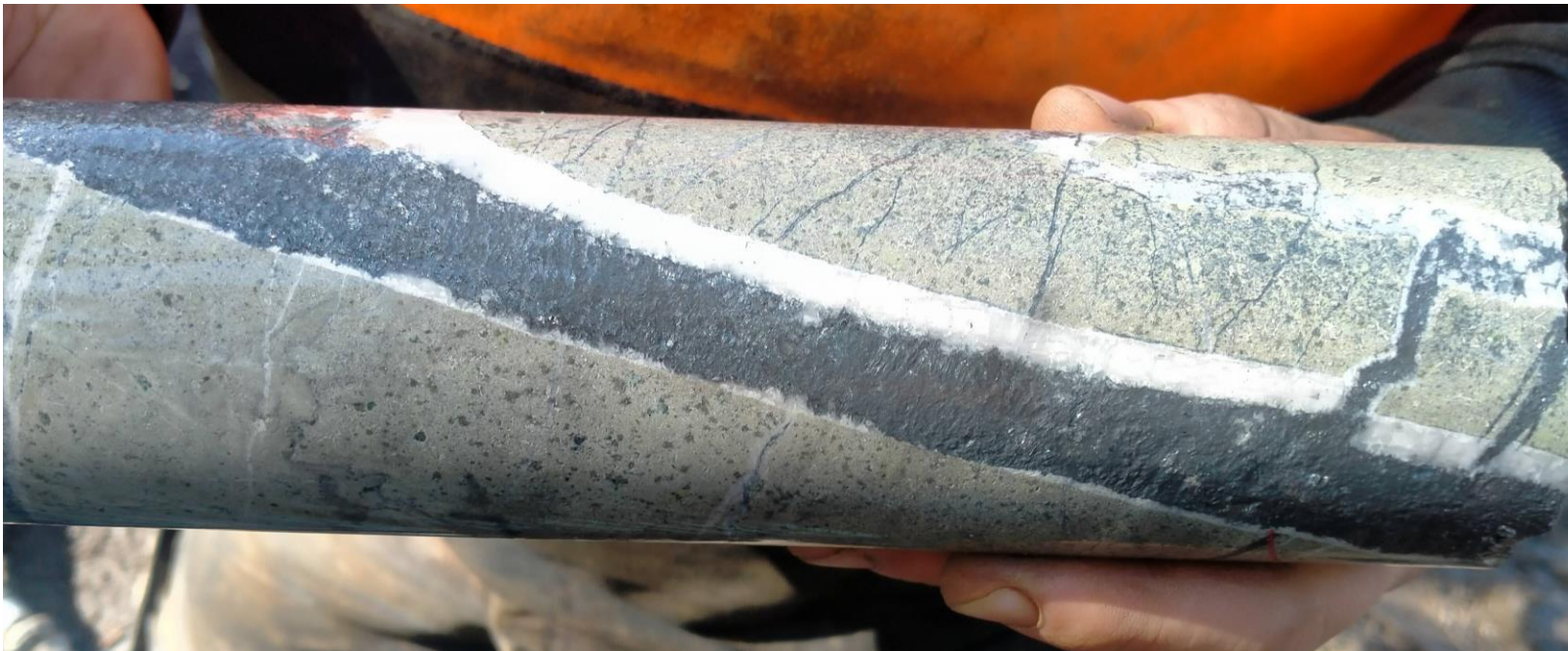
Giant Orogenic Gold Deposits



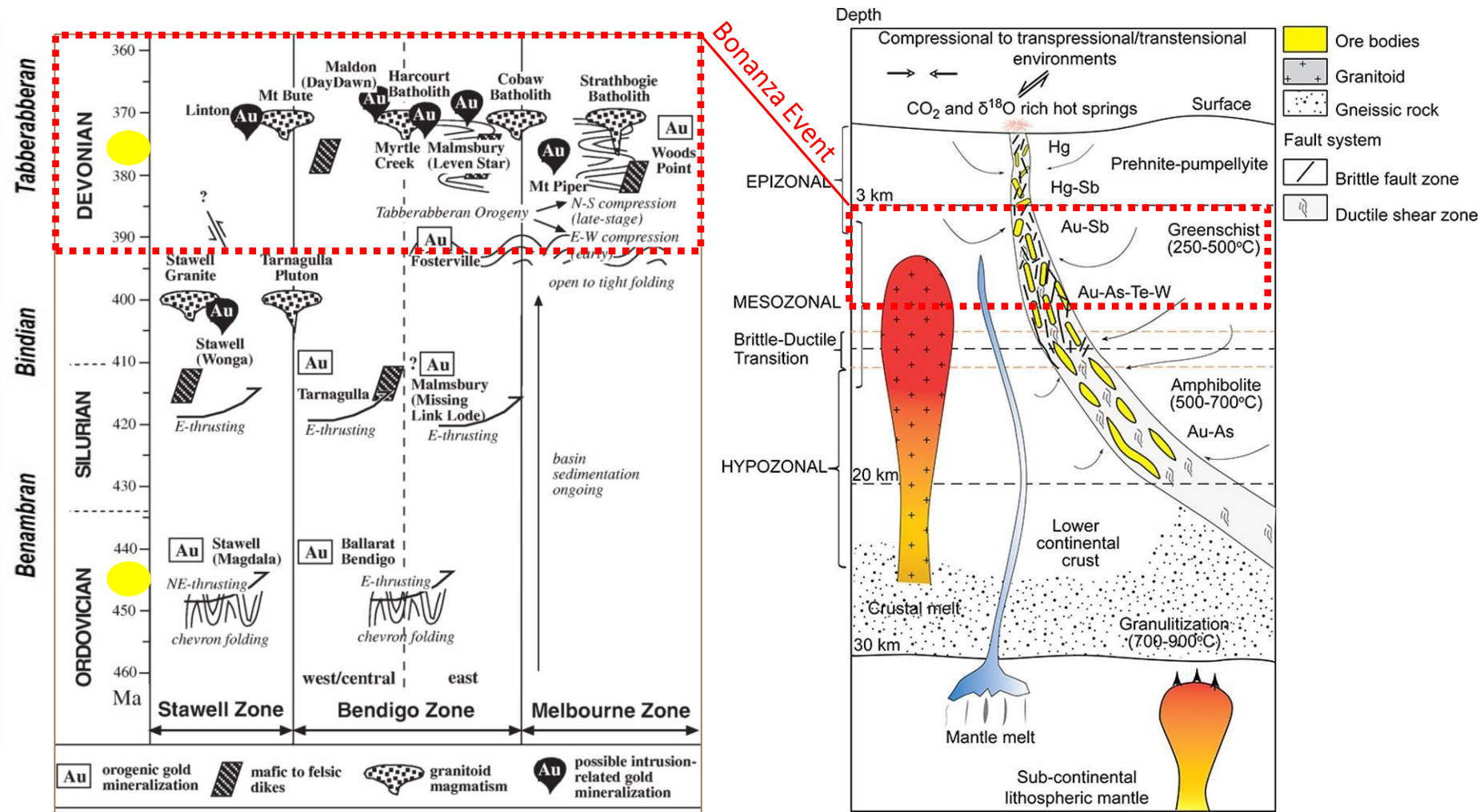


Antimony from Greek “anti,” meaning not, and “monos,” meaning alone

- Historically and economically, antimony is the second most important metallic commodity in Victoria, after gold.
- Antimony gets its “Sb” chemical symbol from the Latin word **stibium**, reflecting its most common mineral occurrence as stibnite.
- In the Middle Ages, antimony was used as a “recyclable” laxative. It was swallowed in the form of a pea-sized pill and could be reused after passing through the digestive system.



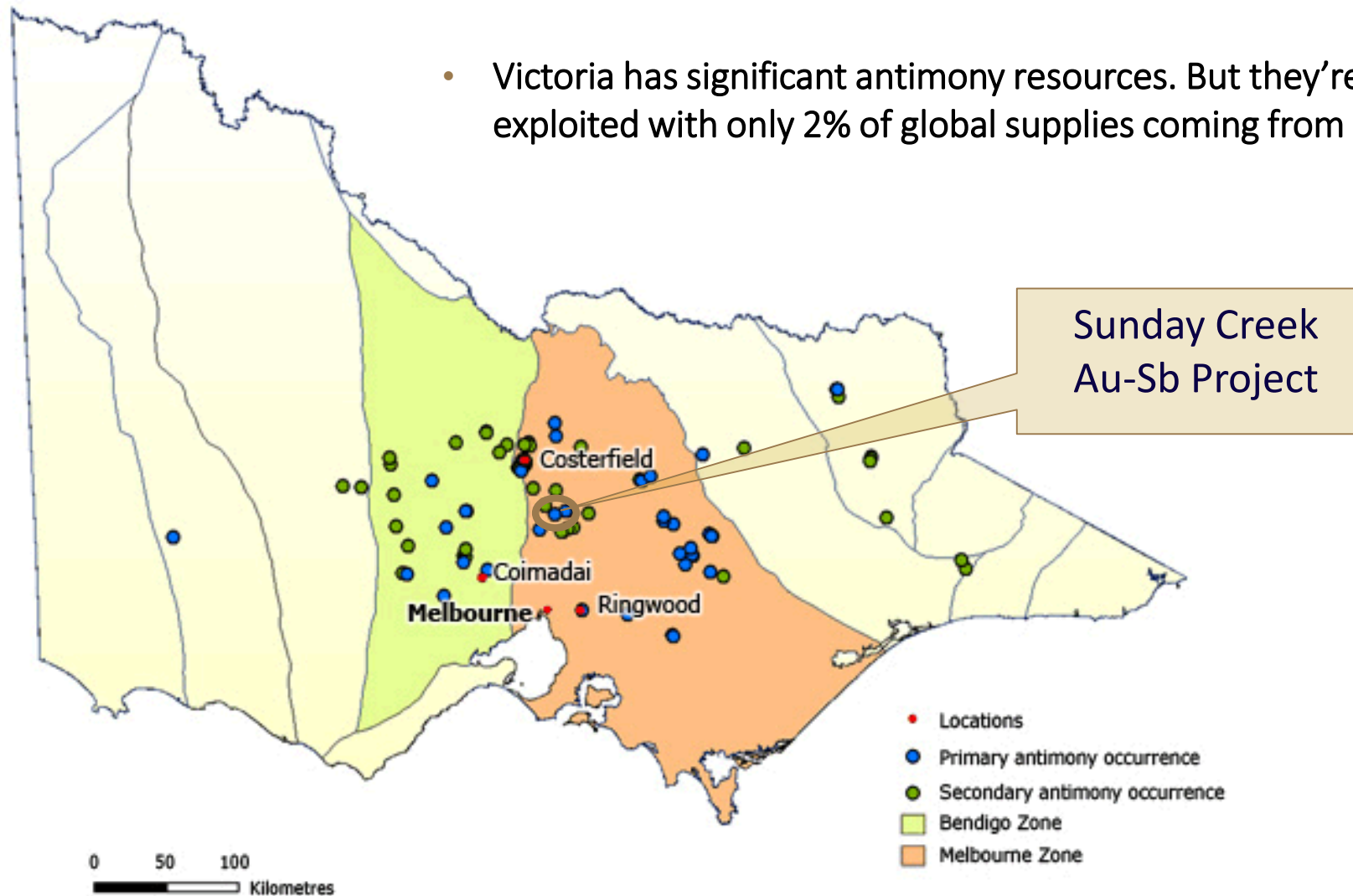
Geological Model – Old is Not New, Focus on Sb-rich Deposits Will Grow



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Victorian Antimony Deposits

- Victoria has significant antimony resources. But they're not being exploited with only 2% of global supplies coming from Australia



Southern Cross Gold Ltd (ASX: SXG)

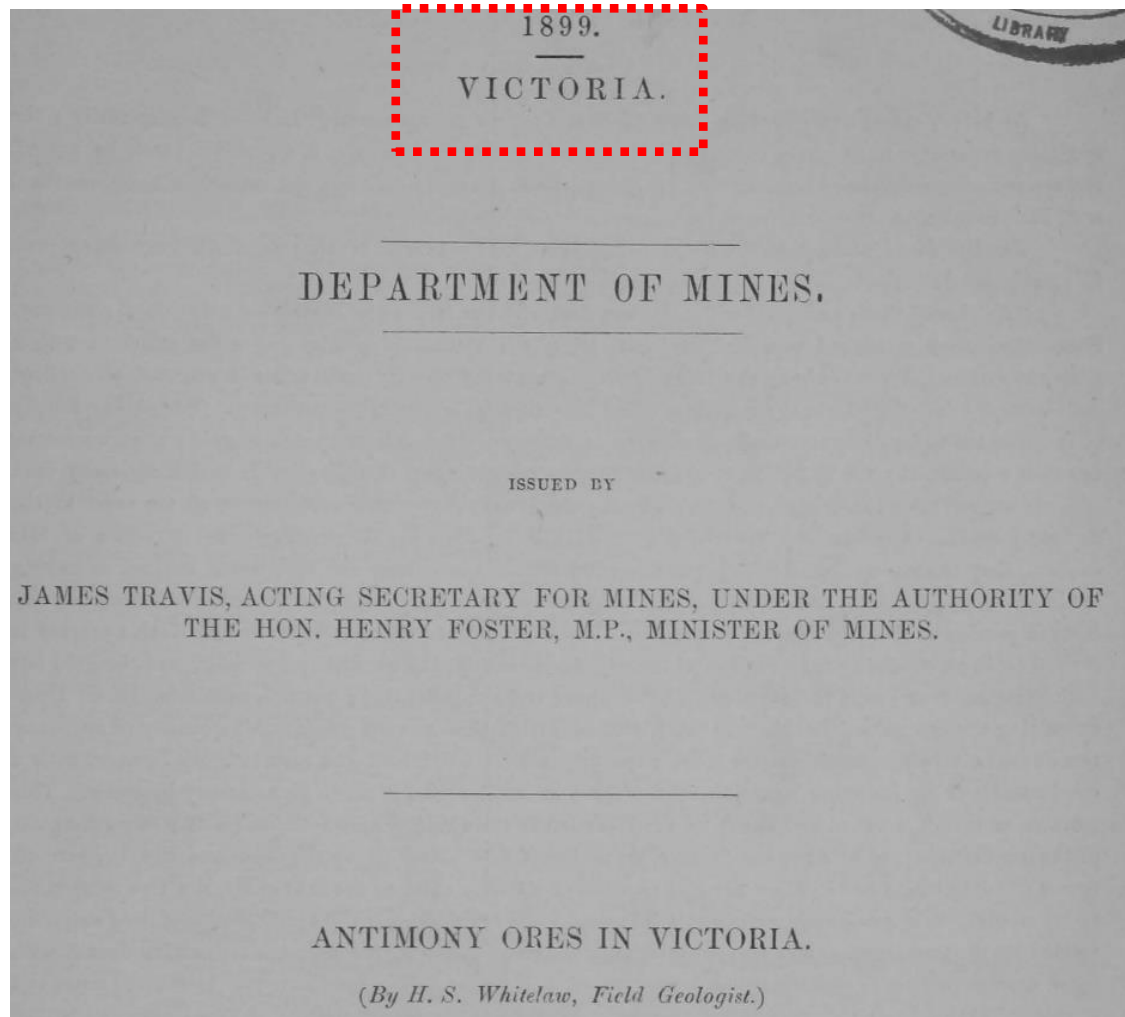
- Listed May 2022 – 3rd best ASX IPO 2022
- Market cap – \$106.8m as at 04/03/23
- \$17.8m cash at 30/11/22
- SXG owns 10% of Nagambie Resources (ASX: NAG) and 133ha of freehold land over project area

Sunday Creek

- 3m @ 0.3 g/t Au lower cut, average width and grade is:
 - 10.7m @ 2.4 g/t Au and 0.4% Sb (3.1 g/t AuEq)
- 1m @ 5.0 g/t Au, average width and grade is:
 - 1.2m @ 15.2 g/t Au and 2.8% Sb (19.7 g/t AuEq)
- Sunday Creek appears to have the opportunity to become Australia's largest antimony mine with widths at high grades drilled over 1km strike and down to 800m depth with mineralisation open in all directions.

56 diamond drill holes completed for 14,718 m by SXG and 62 shallower historic drill holes for 5,459 m, (> 5g/t Au * m)

Antimony – the first critical metal?



- During the 1870s antimony production increased in Victoria, benefiting in the early and late 70s by the European wars.
- The Victoria mining industry practically closed at the onset of WW1, apart from the few mines that produced antimony (Costerfield and Sunday Creek) with the antimony.
- These shipped antimony concentrate to the St. Helens' Smelting and Refining Company in England, which was controlled by the Imperial government under the Munitions Act, 1915.

Antimony – A Critical Metal Today

The Critical Minerals Institute Identifies the 14 Most Elusive Critical Minerals in the World and Launches New Website

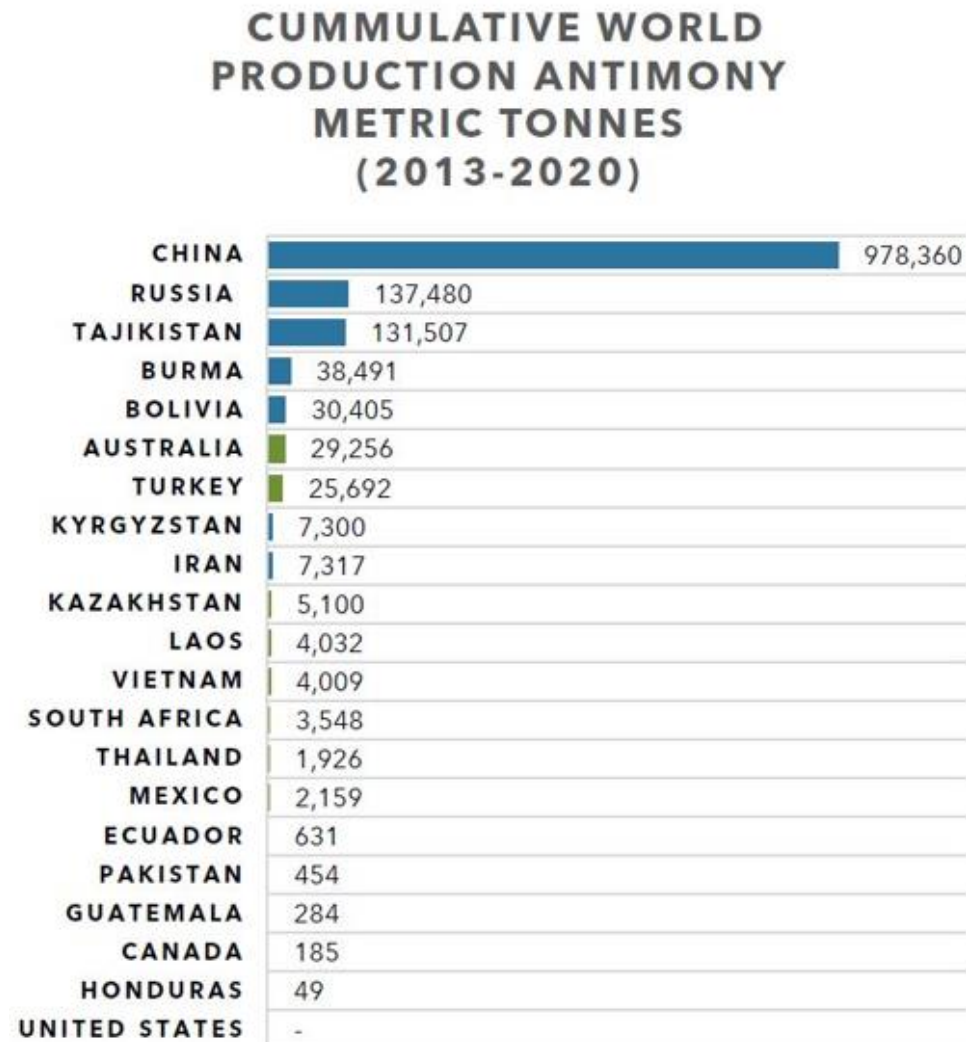
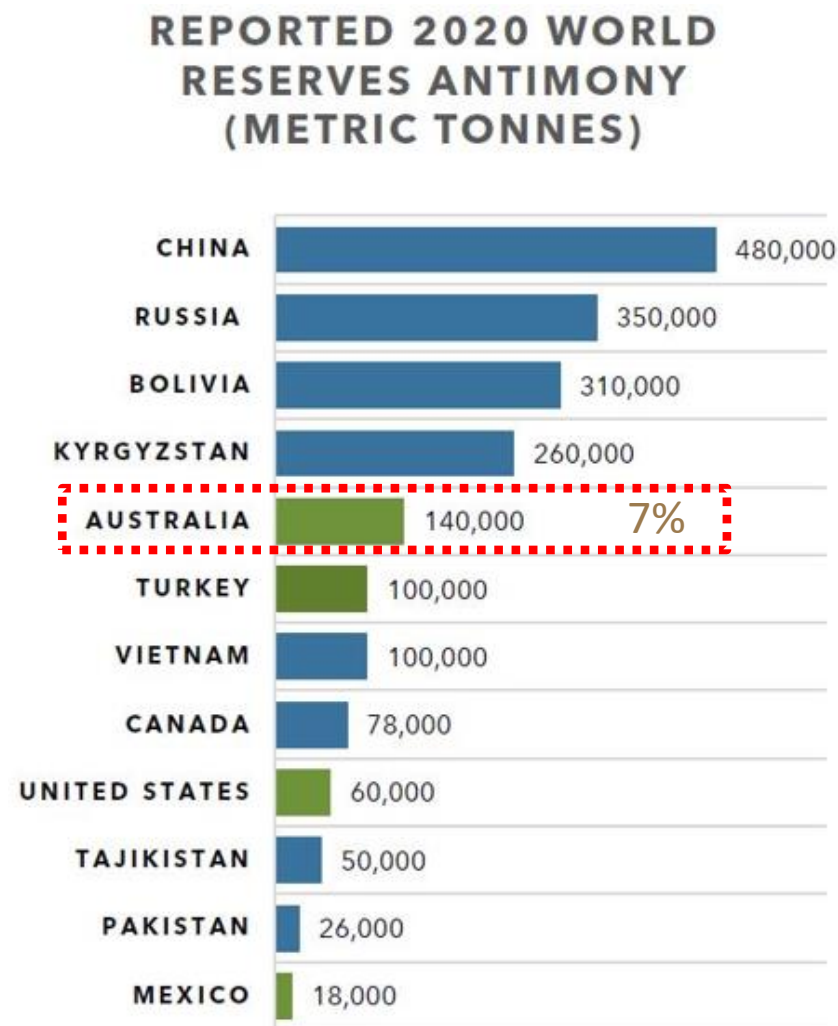
January 18, 2023(<https://criticalmineralsinstitute.com/2023/01/18/>)
News Releases (<https://criticalmineralsinstitute.com/category/news-releases/>)



- 1. Antimony (Sb)
- 2. Bismuth (Bi)
- 3. Cobalt (Co)
- 4. Gallium (Ga)
- 5. Graphite (C)
- 6. Indium (In)
- 7. Lithium (Li)
- 8. Magnesium (Mg)
- 9. Niobium (Nb)
- 10. Platinum Group of Metals (PGMs)
- 11. Rare Earth Elements – Of the 17 REEs, the CMI prioritizes the following 4: Neodymium (Nd), Praseodymium (Pr), Dysprosium (Dy) and Terbium (Tb).
- 12. Tantalum (Ta)
- 13. Tungsten (W)
- 14. Vanadium (V)

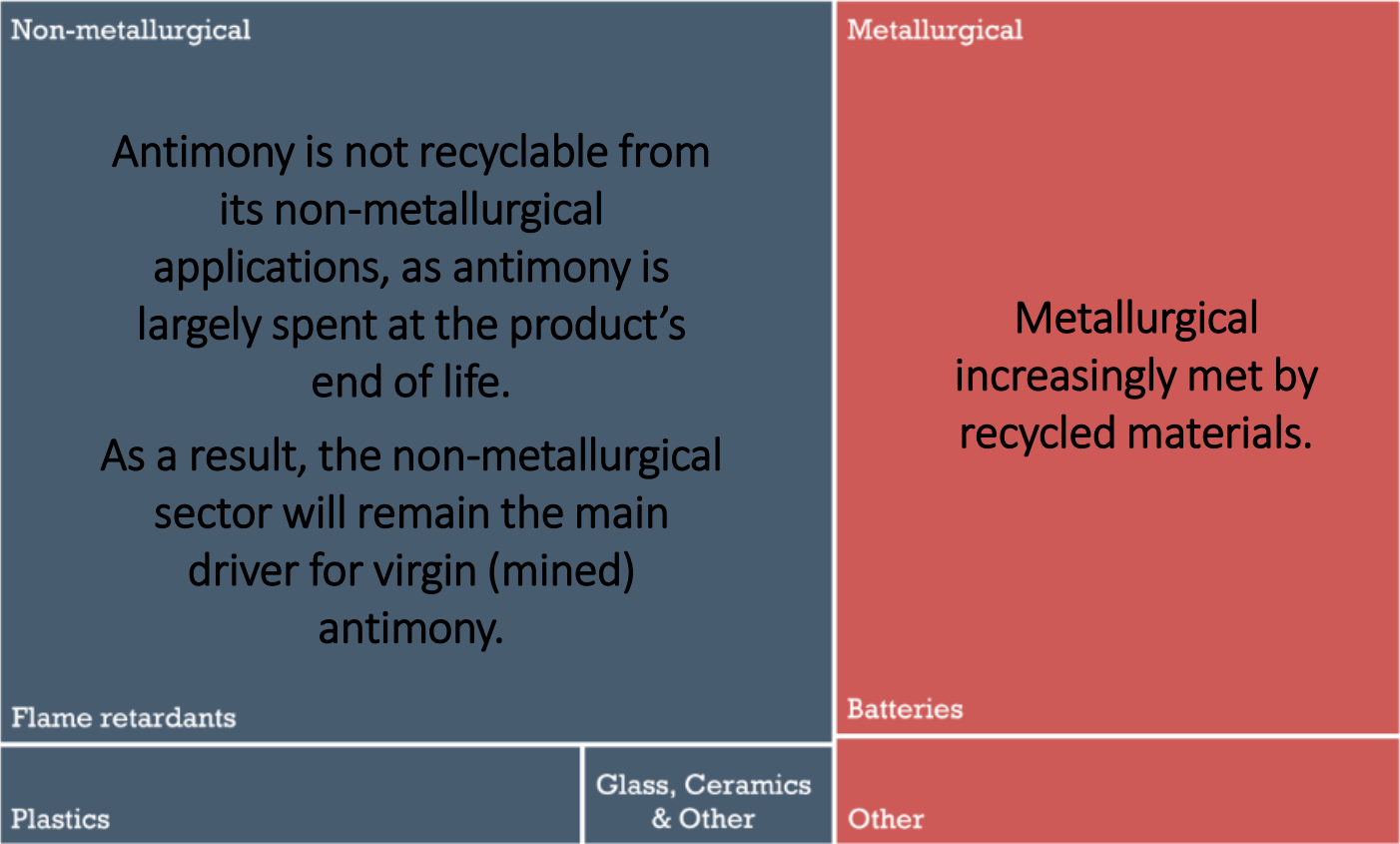
- 14 critical minerals common to all the official American, Canadian, Australian, British and European critical minerals lists
- Also ranks highly on the Indian and Japanese critical minerals list.
 - The Quad
- Antimony maybe the rarest critical mineral that most people have never heard of.

Posterchild Industry for Chinese Supply Dominance – 82% China and Russia



Demand 101

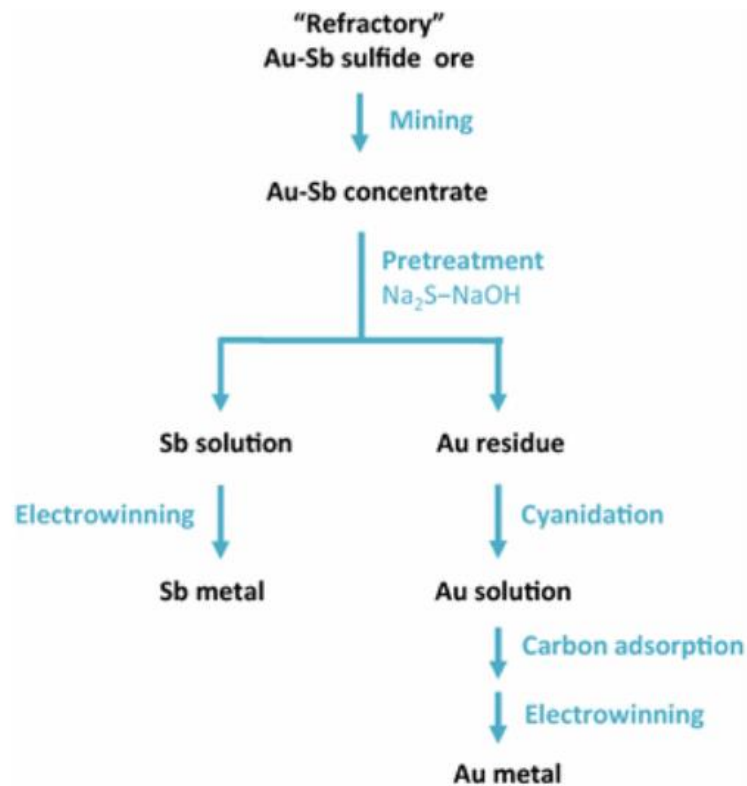
- Demand split by two major applications, and the supply chains that service these sectors are also clearly distinct.



- Market US\$1.4Bn, 190,000 t Sb pa
- Flame retardants and lead acid batteries make up more than 80% of antimony demand and shape overall demand dynamics.
- Defence critical
- Semiconductors
- Solar panels
- Battery metal for its role in liquid metal (Sb-Ca Ambri) and Na-ion anode

Source: Blue

Structural Changes: Growing Au-Sb Market



Source: Dupont et al., 2016 (Springer)

- Historically:
 - Mining Sb dominated by China, however declining
 - Au not a payable
- With tightening mine supply and periods of elevated prices, gold projects globally have started producing Au-Sb
- To meet the growing availability of Au-Sb concentrates, Chinese antimony ingot smelters have started to upgrade smelting technologies and flowsheets to shift towards capabilities to process and recover both gold and antimony.
- This shift is causing a structural change in ingot producers, improving refinery economics through access to lower-cost by-product antimony concentrates with additional gold revenues.
- Oman - SPMP
 - First non-Chinese Au-Sb smelter in 30 years
 - Hit name plate capacity in Dec 2022



Conclusion

- Sunday Creek appears to have the potential to become Australia's largest antimony mine with widths at high grades drilled over 1km strike and down to 800m depth with mineralisation open in all directions.
- Victoria has significant antimony resources. But they're not being exploited with only 2% of global supplies coming from Australia.
- Victoria has the opportunity to regain a western supply chain and change the dynamic of concentrate sales and smelting globally with a direct positive impact for Victoria.



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Sources for Slides

SXG Results

- 1 <https://wcsecure.weblink.com.au/pdf/SXG/02612149.pdf>
- 2 <https://wcsecure.weblink.com.au/pdf/SXG/02526261.pdf>
- 3 <https://wcsecure.weblink.com.au/pdf/SXG/02577304.pdf>
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^ Costerfield: Mandalay Resources News Releases, 8 June 2021 - Mandalay Resources Extends The Newly Discovered Shepherd Zone And Provides Update On The Costerfield Mineral System, and
^ 9 June 2022 – Mandalay Resources Corporation Intersects 1,780g/t Gold Over 0.17 m in its Costerfield Regional Drilling Program at the Robinson Prospect



Individual Mines

Country	Mine	Owner	Concentrate Sb (importing	tpa Sb	Comment
China	Hsikwangshan Twinkling Star	China Minemetals	Au-Sb)	15,000	
China	Woxi, Longshan and Zhazixi	Hunan Gold	Au-Sb & Sb	>10,000	2nd largest in China
				8,000-	
Russia	Sentachan and Sarylakh-Surma	Geopro Mining	Au-Sb	10,000	
Russia	Olimpiada	Polynus	Au-Sb	0-25,000	
Tajikistan	Dzhizhikrut (Anzob)	Consup Commodities (USA)	Hg-Sb	13,000	Maybe >20ktpa
Myanmar	Daw Ta Naw/Lai Han	Tha Byu Mining, Asia Pacific and Ruby Dragon	Sb	5,000	
Australia	Costerfield	Mandalay Resources	Au-Sb	2,292	Was 4000tpa
Canada	Beaver Brook	Hunan Non Ferrous Metals	Sb	2,000	Care & maintenance
		Compañia Minera Salinas (COMISAL) and Empresa		1,000-	
Bolivia	Putuma/Caracota	Minera Unificada (EMUSA)	Au/Ag-Sb	2,000	
				1,000-	
Turkey	Various/Özdemir	Suda Maden/Özdemir Antimuan	Au/Ag-Sb	2,000	
China		Muli Antimony, Jiefu			unknown
China		China Tin Group,			unknown
USA	Mines in Mexico	United States Antimony Corporation	Au/Ag-Sb	0.5-1	

Close

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Thank you

For more information

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