



Redbank Copper – Emerging Australian Copper Company
Positioned for the Copper Cycle

RIU Sydney - Resources Round-up

3 May 2022

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Competent Person Statement

The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code') sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves. The Information contained in this presentation has been presented in accordance with the JORC Code and references to "Measured, Indicated and Inferred Resources" are to those terms as defined in the JORC Code. The information in this presentation that relates to Geology and Exploration Results is based, and fairly reflects, information compiled by Mr Michael Hannington, who is a Member of the Australian Institute of Geoscientists. Mr Hannington is employed as a Consulting Geoscientist to Redbank Copper Limited. Mr Hannington has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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'. Mr Hannington consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears. All parties have consented to the inclusion of their work for the purposes of this presentation. The interpretations and conclusions reached in this presentation are based on current geological theory and the best evidence available to the author at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for absolute certainty. Any economic decisions which might be taken on the basis of interpretations or conclusions contained in this presentation will therefore carry an element of risk.

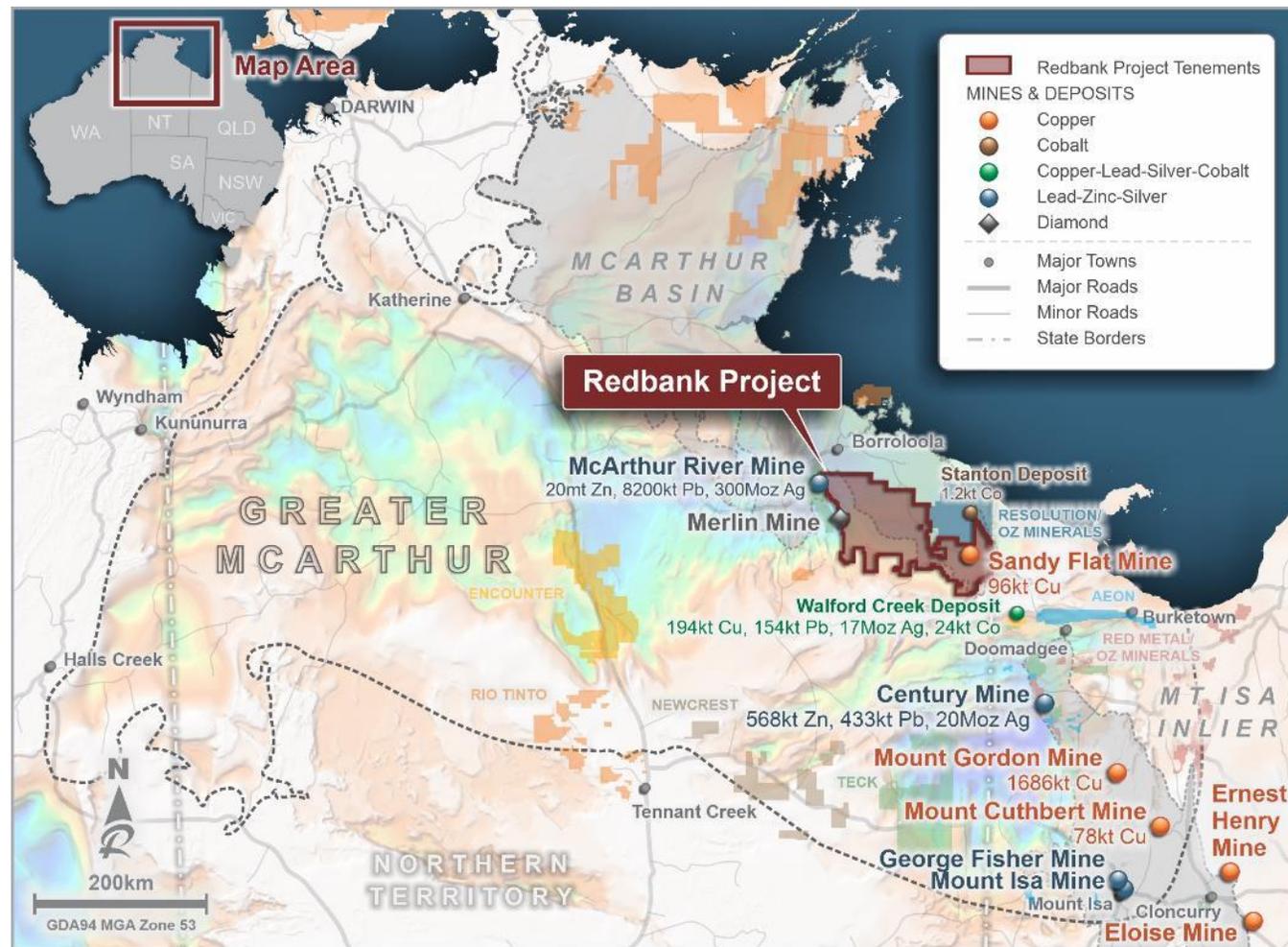
Details of Redbank Copper Limited's Mineral Resource estimates which appear in this presentation are estimates previously disclosed in Redbank's ASX announcement dated 24 June 2021 in compliance with The Australasian Code for Reporting for Exploration Results, Mineral Resources and Ore Reserves, 2012. Redbank Copper Limited confirms that it is not aware of any new information or data that materially affects the information included in the 24 June 2021 ASX announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.





Redbank Project – The McArthur Basin – Tier 1 Jurisdiction

- ❑ The Redbank Project is located between two world class base metal deposits in the district - McArthur River Mine & Century Zinc
- ❑ Very large tenure package currently holding ~14,000km² 100% held by Redbank Copper
- ❑ Geoscience Australia has identified the Redbank Project as a highly prospective region in Australia for discovery of Tier 1 base metal deposits
- ❑ Known and existing copper daylight in breccia-pipe hosted deposits
- ❑ 2021 – Work programme involved extensive geophysics, geochemistry and geological work programs
- ❑ 2022 – Targeted drilling campaign based on compelling science from the work completed in 2021



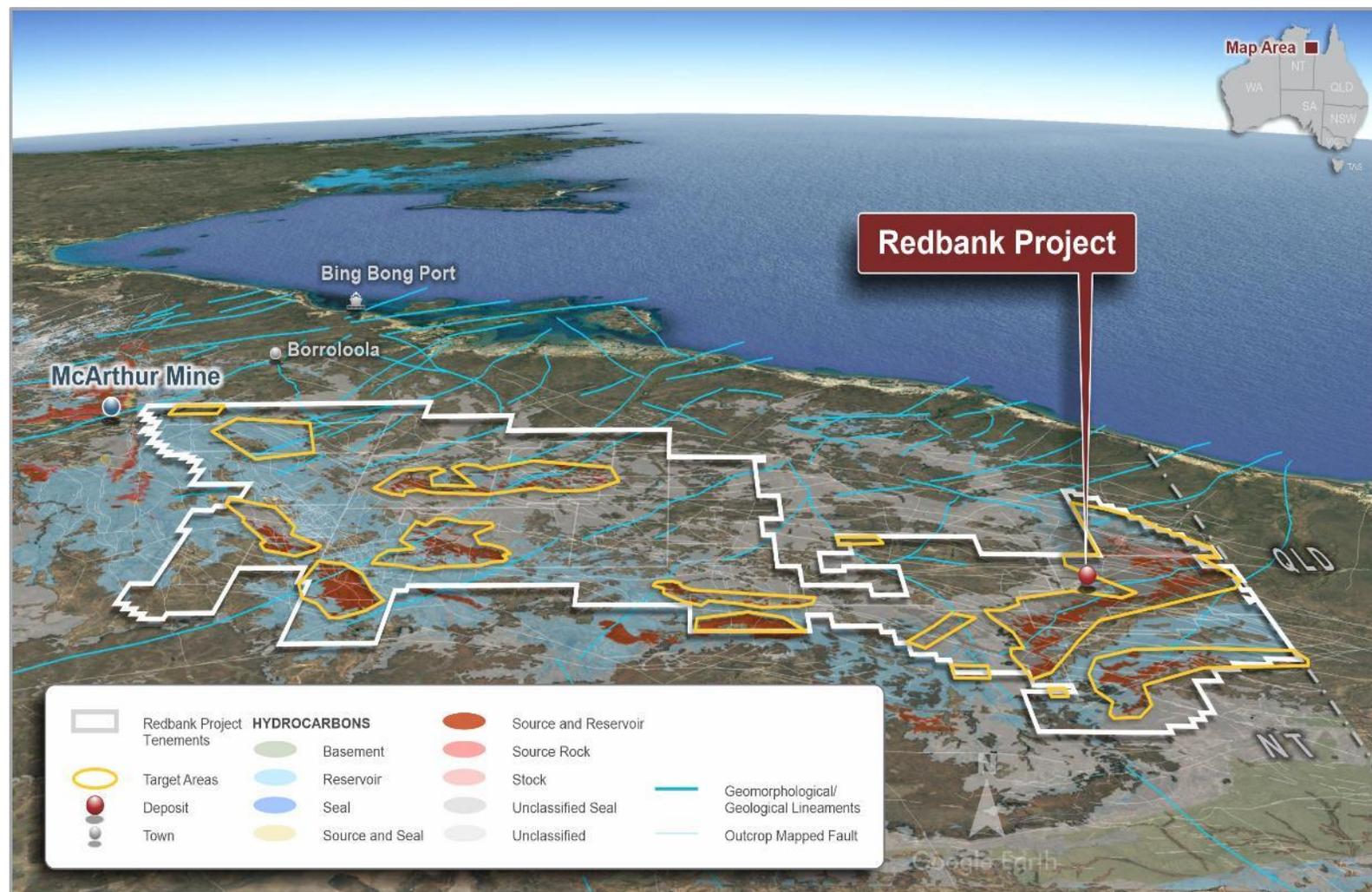
The McArthur Basin – part of the North Australian Basin which extends from the WA/NT border across to North Queensland



Redbank Project – Applying the Science

Assisting with unlocking and validating the underlying science using other techniques

- ❑ How is Redbank best positioned to explore with a limited budget ?
- ❑ Redbank has the use of petroleum industry exploration techniques to narrow prospective targets
- ❑ Reductant stratigraphy targets are now identified and need to be tested
- ❑ Some of the areas are very remote and only accessible via helicopter support

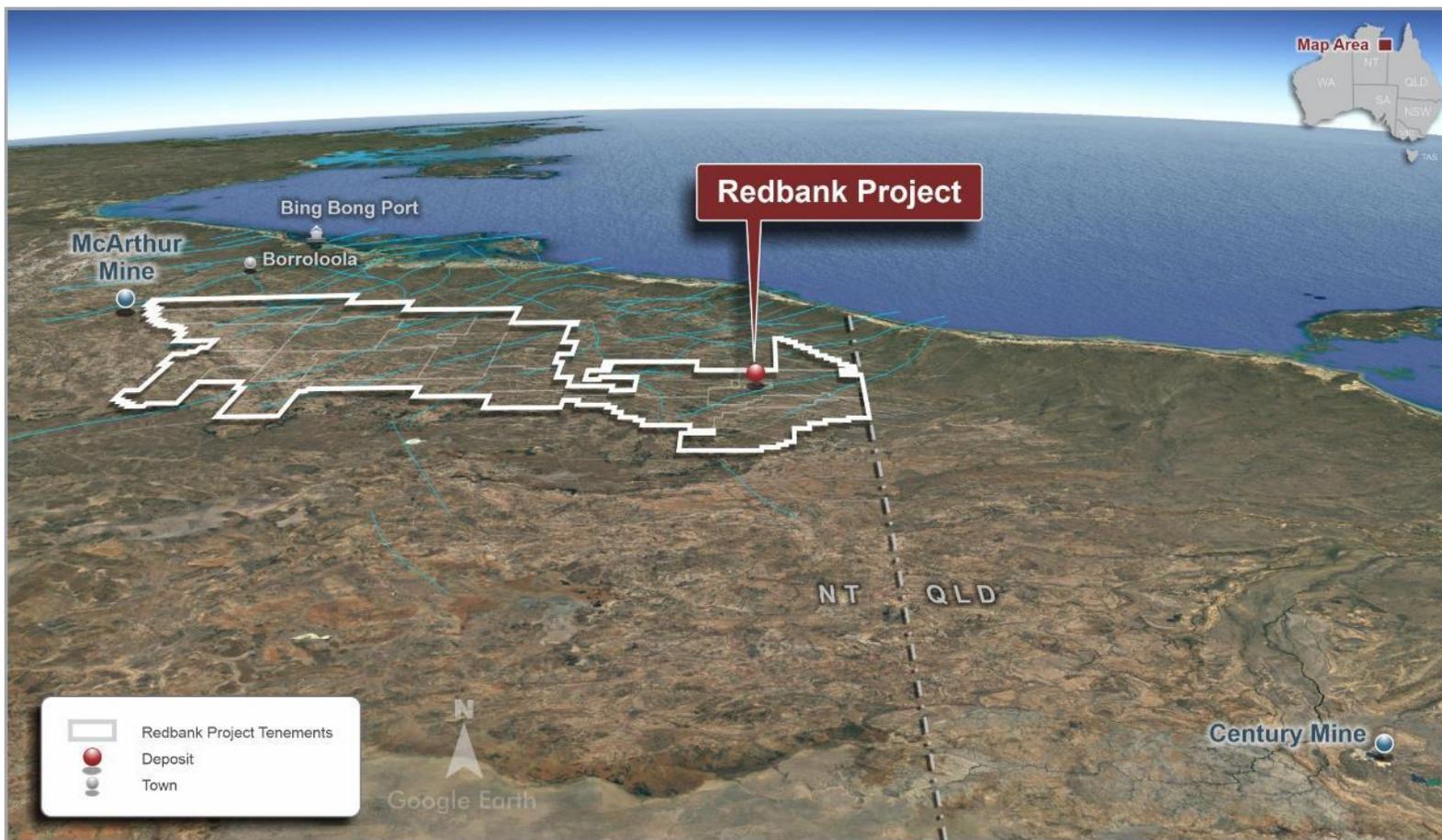




The McArthur Basin – What lies between McArthur & Century Deposits

The only copper deposit between the McArthur and Century base metal deposits is at Redbank

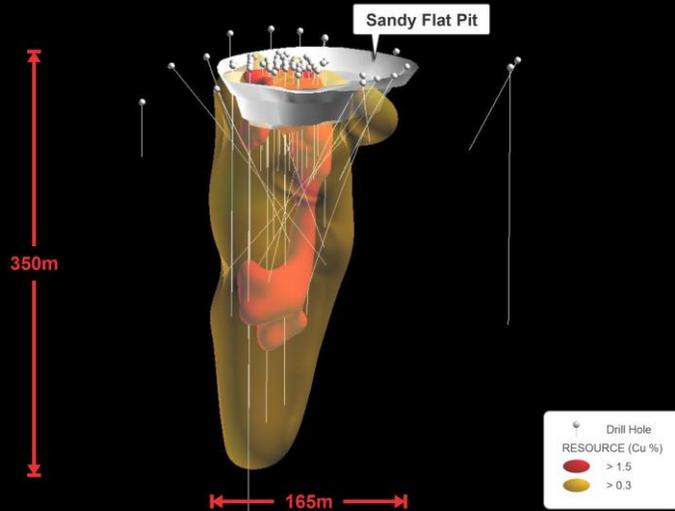
There are numerous surface copper anomalies within the Redbank Project tenements that have never been drilled



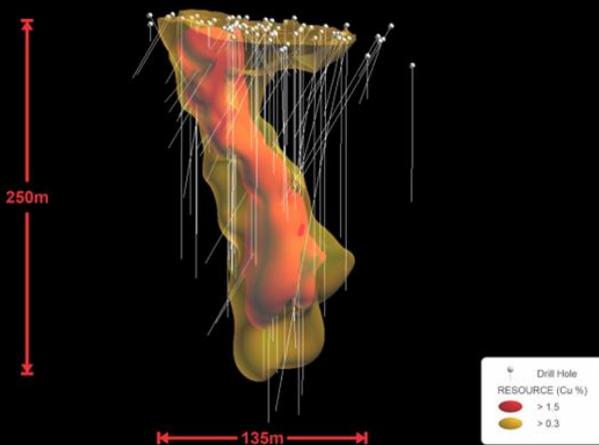


Redbank Project – Breccia pipe copper deposits

Sandy Flat Oblique Cross Section
Looking North



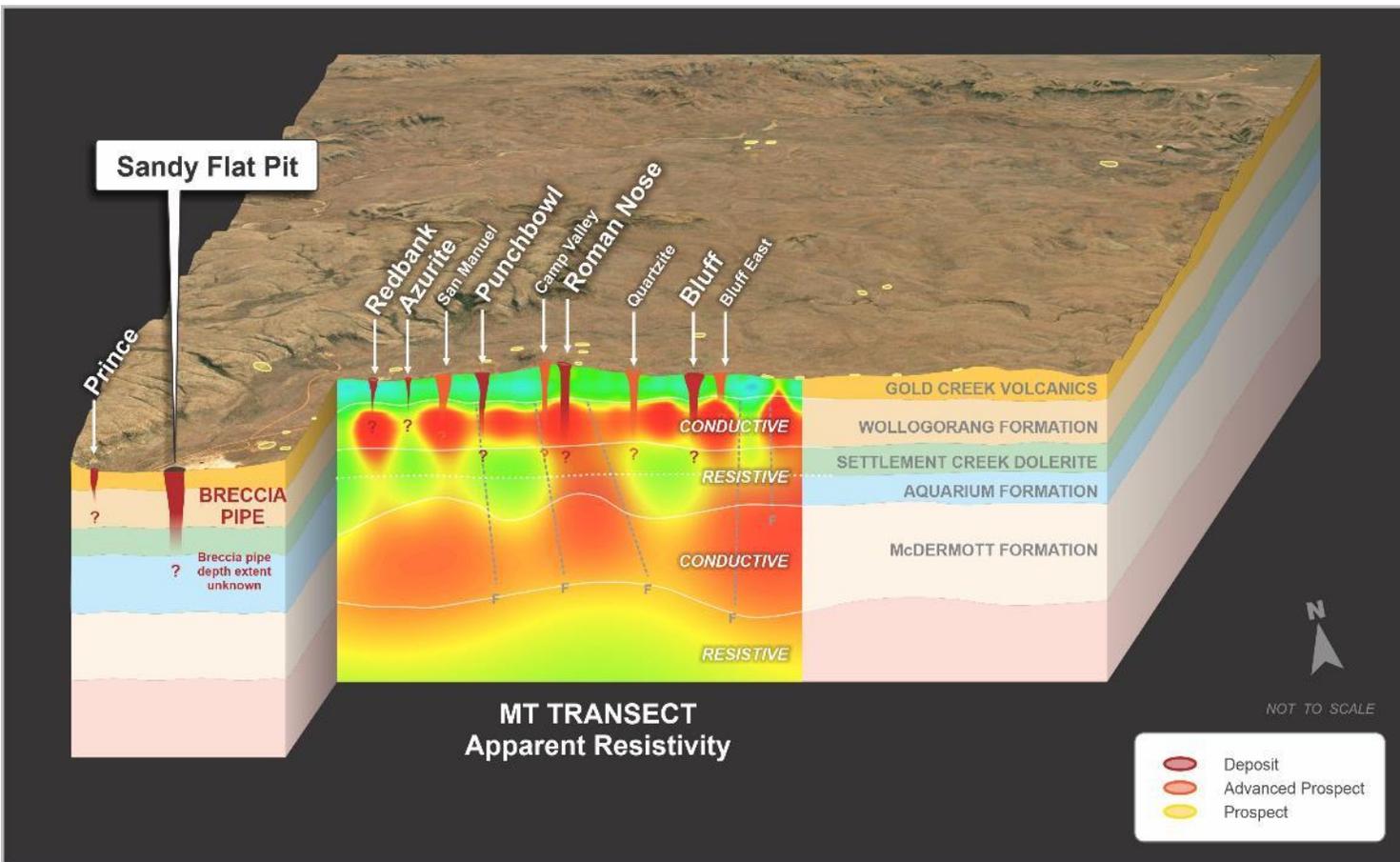
Bluff Oblique Cross Section
Looking West



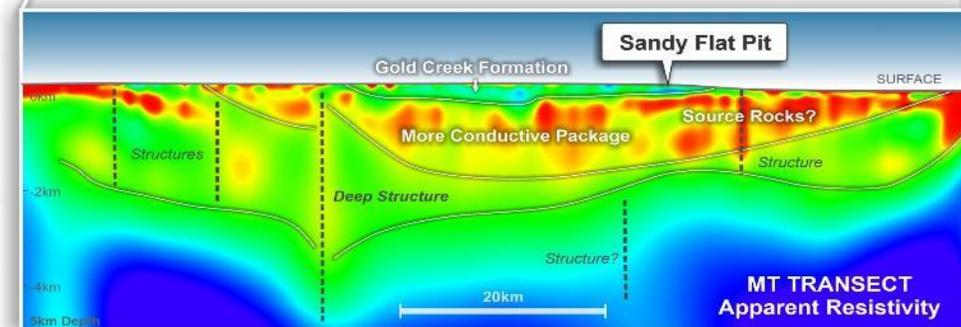
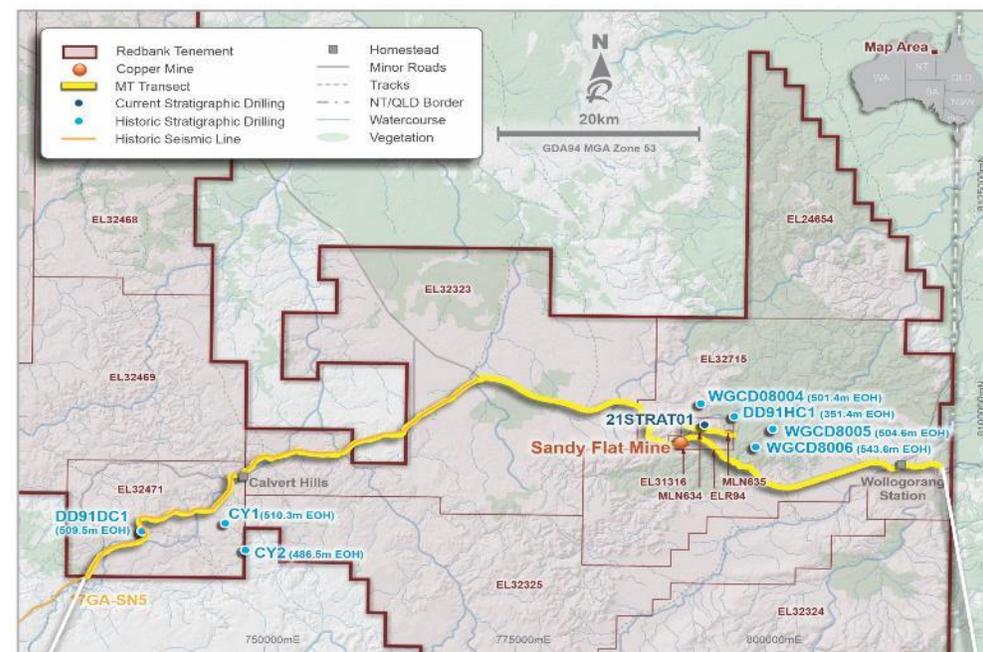


Redbank Project – Getting the Science Right

Magnetotelluric soundings highlight major vertical structures and simple geology



Magnetotelluric Survey – line of soundings along deposits



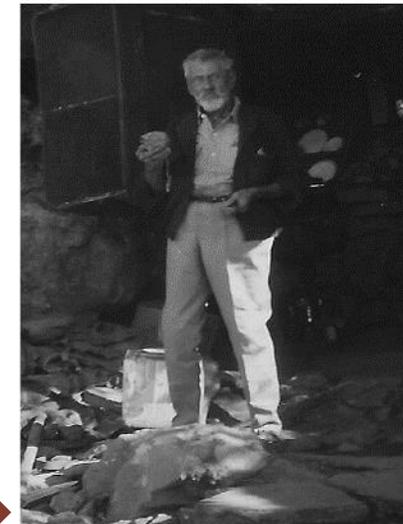
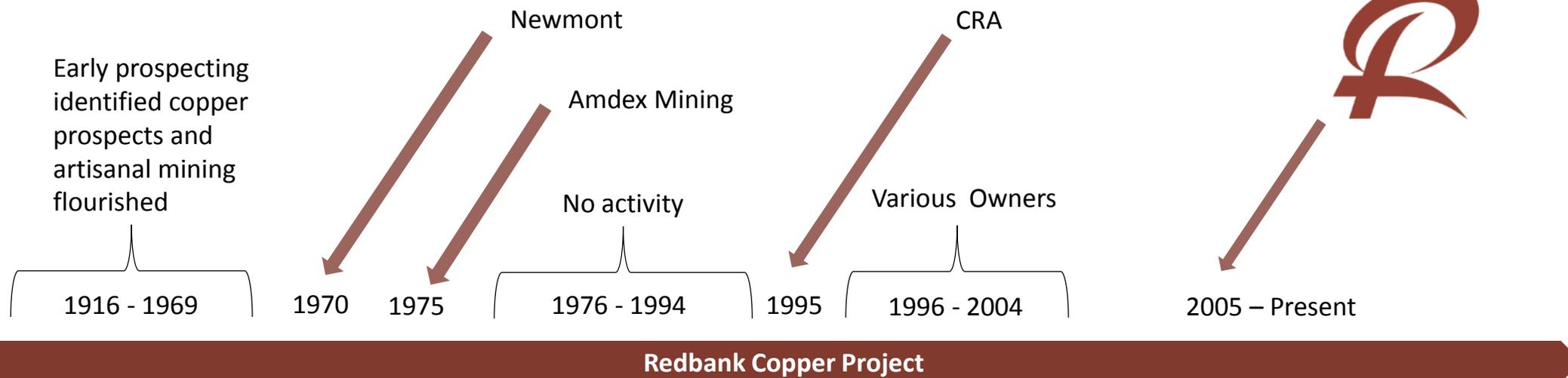
Magnetotelluric Survey – line of regional soundings



Redbank Project – Project History

The Redbank Project history

Bill Masterton. Photo courtesy of www.themastertons.org/bill-masterton-hermit.html



- ❑ Limited exploration was completed between 2006 and 2015 with asset development underfunded due to corporate inactivity and lack of shareholder support
- ❑ Redbank Copper Limited was recapitalised in 2019 with a strategic focus to bring modern exploration techniques to the Redbank Project and integrate with the considerable non digitised historical datasets
- ❑ Well credentialed and experienced exploration team were appointed to apply modern techniques and develop a targeted approach to exploration
- ❑ Recommended trading on the ASX in September 2020 with the first complete field season in 2021



Redbank - Capital Structure



Capital Structure	ASX:RCP
Shares on Issue	631,043,588
Director/Management options (\$0.15)	9,500,000
Performance Rights	1,000,000
Share Price ¹	\$0.035
Market Capitalisation	~\$22M
Cash in Bank ² (includes \$4M cap. raise)	\$5.26M

1. As at 2 May 2022
 2. As at 29 April 2022
 3. Graph as at 30 March 2022



Corporate and Geological Team

Redbank has assembled a well credentialled and experienced Board and exploration team

Tony Kiernan
NON-EXECUTIVE CHAIRMAN
Appointed 21 April 2021



Tony Kiernan is an experienced public company director and former solicitor, with an extensive career in the mining and exploration sectors spanning over 35 years. Tony's previous roles include Chairman of Saracen Mineral Holdings prior to the company's merger with Northern Star Resources, Chairman of Venturex Resources and Chairman of Chalice Mining. Currently, Tony serves as Chairman of Pilbara Minerals.

Hugh Thomas
MANAGING DIRECTOR
Appointed 7 February 2022



Hugh Thomas has experience in commercial and operational roles in the natural resources sector over a 35 year career. Hugh's previous roles include Managing Director and head of Asia Pacific Natural Resources for both JP Morgan and Morgan Stanley in Hong Kong and head of natural resources investment banking for Investec Bank in Sydney. Hugh has extensive experience working with listed companies as they move from explorer to developer.

Bruce Hooper
NON-EXECUTIVE DIRECTOR
Appointed 1 December 2020



Bruce Hooper is a registered professional geoscientist with extensive resources industry experience spanning the base metal, precious metal and energy sectors in Australia, Asia, the Americas and Africa. Most recently, Bruce completed 9 years as Chief Exploration & Business Development Officer at Sandfire Resources Ltd. During this period he was seconded to be Chief Executive Officer of Tintina Resources based in Montana, USA. Prior to 2012, Bruce worked in several senior exploration, operational and business development roles for a variety of companies including British Petroleum ('BP'), Rio Tinto Ltd, North Ltd, Straits Resources Ltd, Perilya Ltd, Ivernia Inc. along with both private and public board roles.

Dale Henderson
NON-EXECUTIVE DIRECTOR
Appointed 2 September 2021



Dale Henderson is an engineer and Chief Operating Officer at Pilbara Minerals Ltd. Dale leads Pilbara Mineral's lithium mining and processing operations. Dale has previously worked for major resource companies, including: Fortescue Metals Group, Chevron and Occidental Petroleum.

Michael Cowin
Exploration Manager



Michael Hannington
Consulting Geoscientist



Allan Ronk
Consulting Geologist



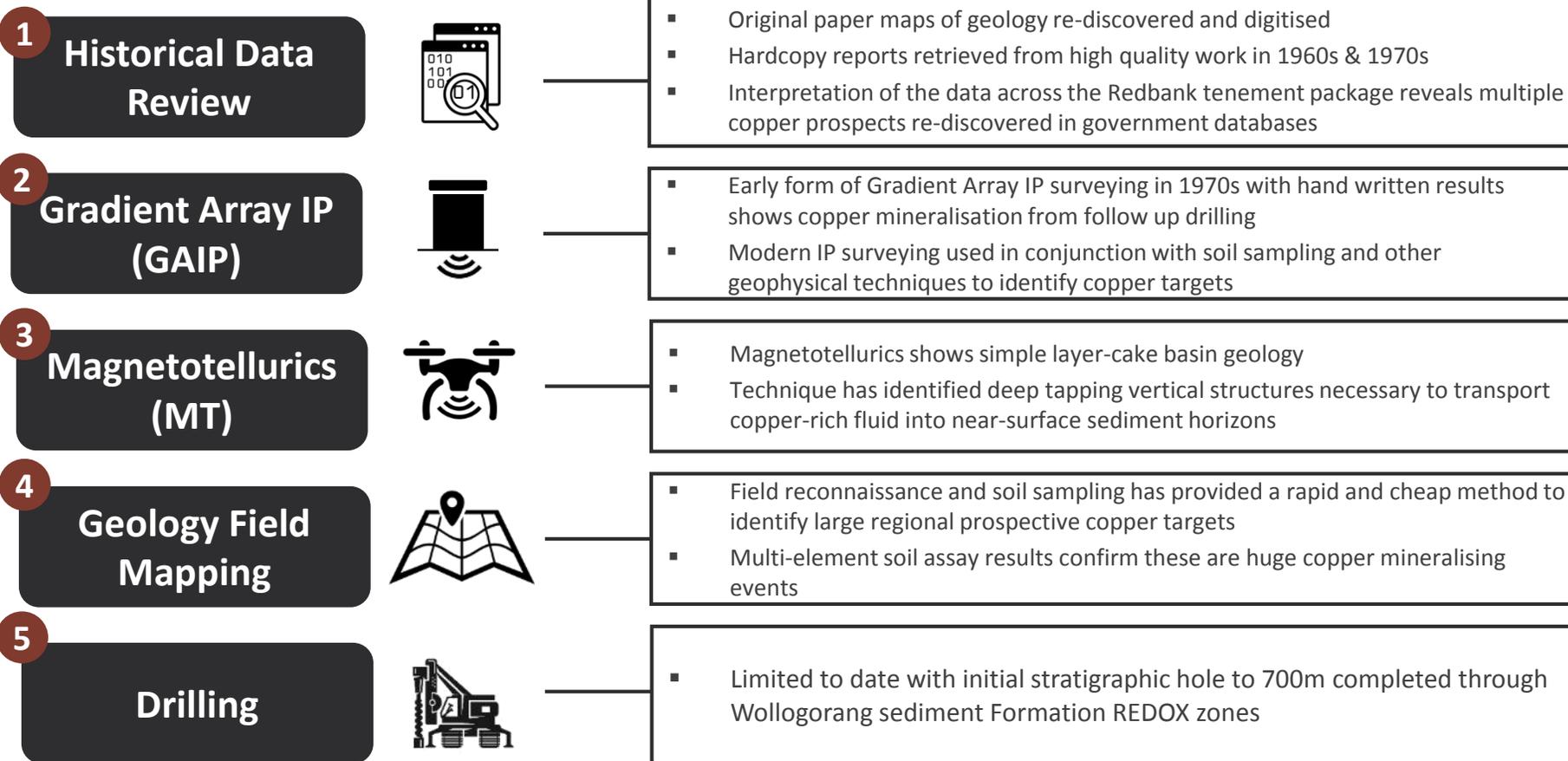
John Beeson
Consulting Geologist





Redbank Project Strategic Setting

Redbank has undertaken substantial effort in assembling the datasets to underpin the future exploration

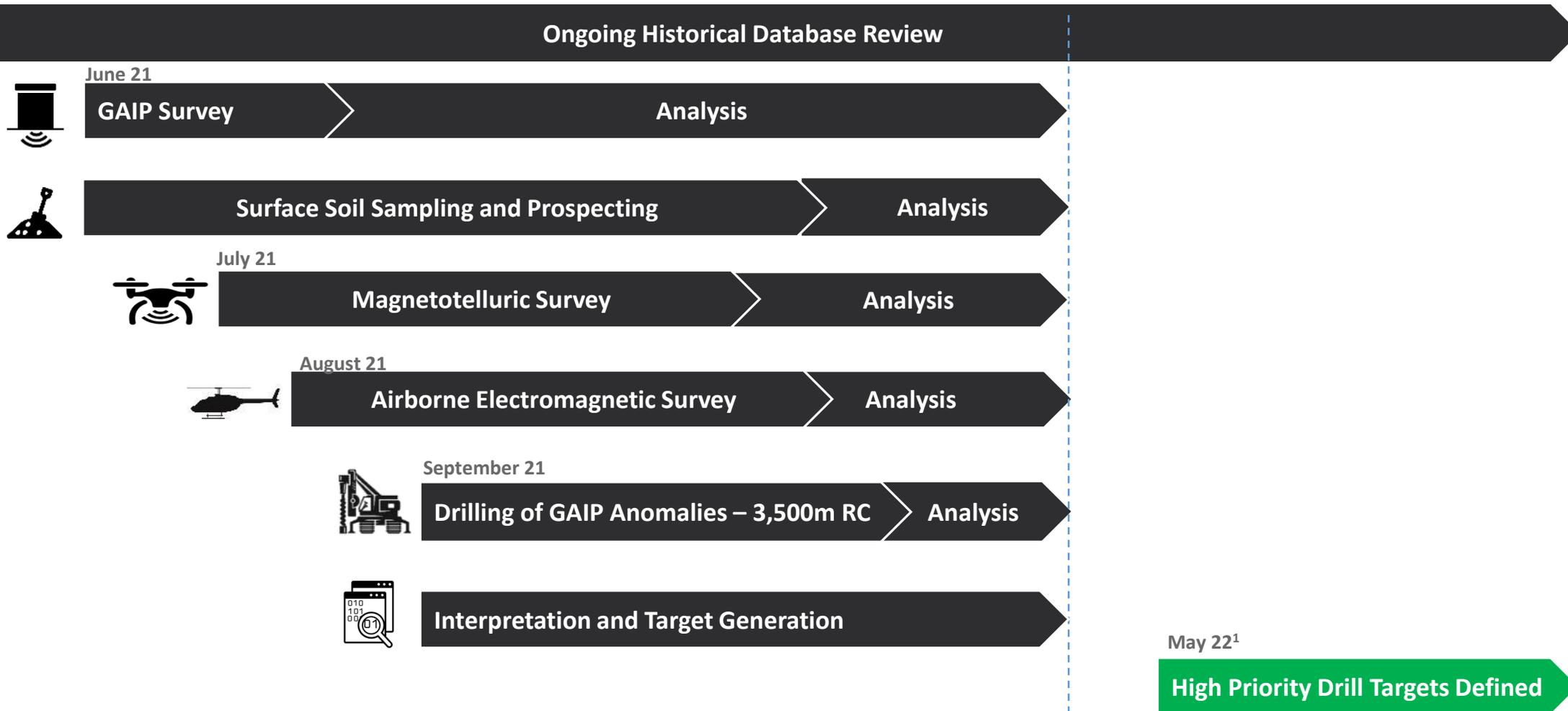




Redbank Project - Field Activity

Redbank completed substantive base level desktop and field analysis work in 2021 to generate the 2022 programme

Today



1. Currently planned based on weather and access conditions



Breccia Pipes – Keys to a Bigger Discovery

Geological Understanding of the Breccia Pipes

- ❑ Breccia Pipes are fractured rocks caused by overpressure at depth
- ❑ Previous mapping suggests this is due to a 50+ metre build up of salt in the lower Wollogorang Formation
- ❑ Salt is one of the key ingredients in stripping copper from source rocks and depositing within host rocks – in this case, the Breccia Pipes
- ❑ The Breccia Pipes are hosted in Tawallah Group rocks described by the Northern Territory Geological Survey. Studies are underway to correlate these rocks with the Mt Isa district in Queensland to enhance copper prospectivity in far eastern Northern Territory
- ❑ Small diameter Breccia Pipes have daylighted and are exposed at surface
- ❑ Larger diameter Breccia Pipes appear to be recessive – they do not daylight and are not exposed at surface

One exploration target is to hunt for large buried copper mineralised Breccia Pipes using extensive soil sampling

This strategy worked in the discovery of the Century deposit



Full and half core photos from historical core on site

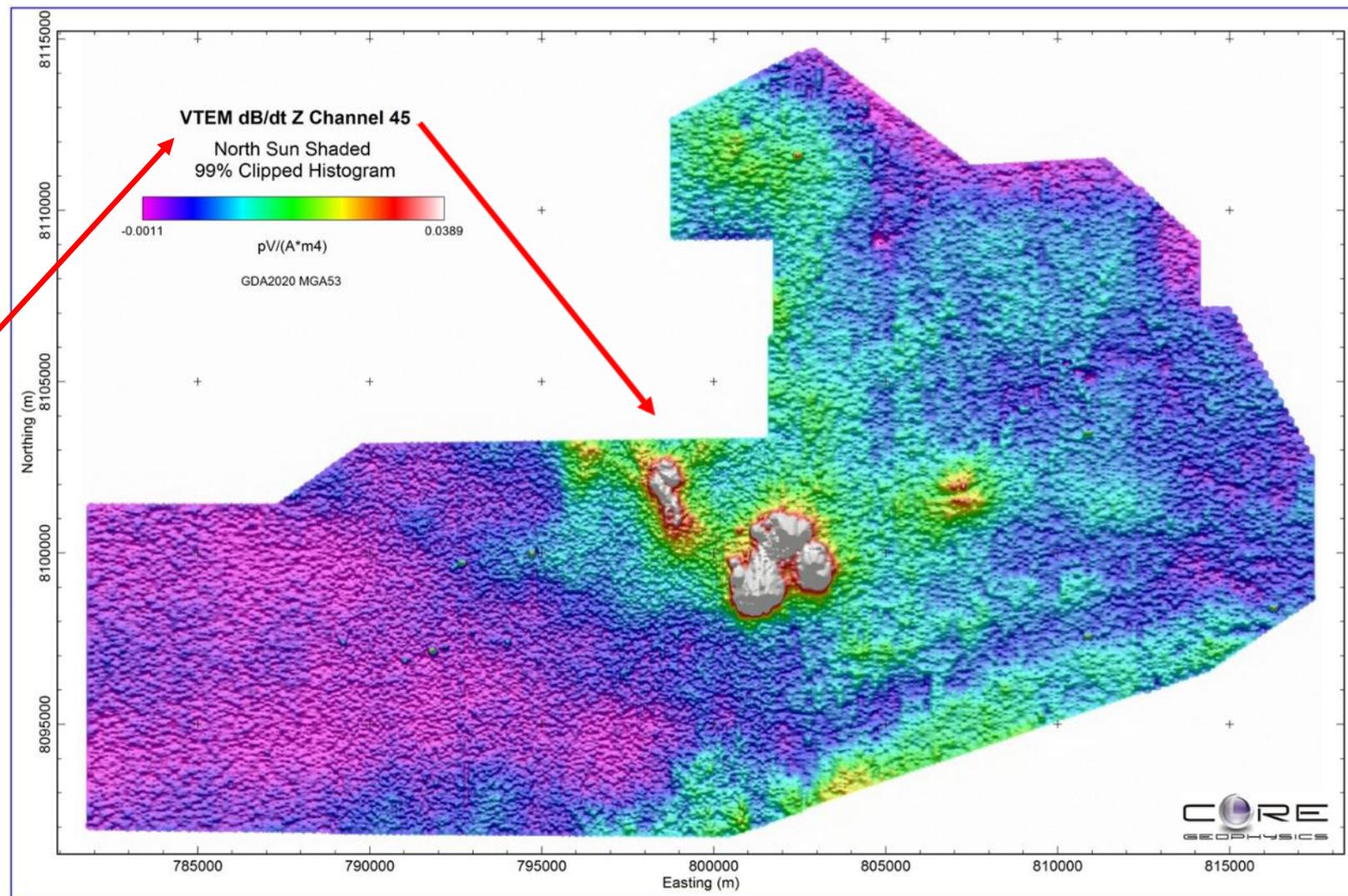


Redbank Project – 2021 VTEM Results

- ❑ Conductor – Reductant – Shale
- ❑ Lower Wologorang Formation

PERIOD	GROUP	FORMATION	LITHOLOGY
PALEOPROTEROZOIC	TAWALLAH GROUP	Gold Creek Volcanics	basalt
		Wologorang Formation - Upper	mudstone
		Wologorang Formation - Lower	black shale and dolostone
		Settlement Creek Dolerite	basalt
		Aquarium Formation	Sandstone
		Sly Creek Sandstone	Sandstone
		McDermott Formation	dolostone
		Seigal Volcanics	basalt
		Westmoreland Conglomerate	conglomerate
		BASEMENT	Cliffdale Volcanics
	Scrutton Volcanics		rhyolite
	Nicholson Granite Complex		granodiorite
	Murphy metamorphics (undivided)		meta-sediment

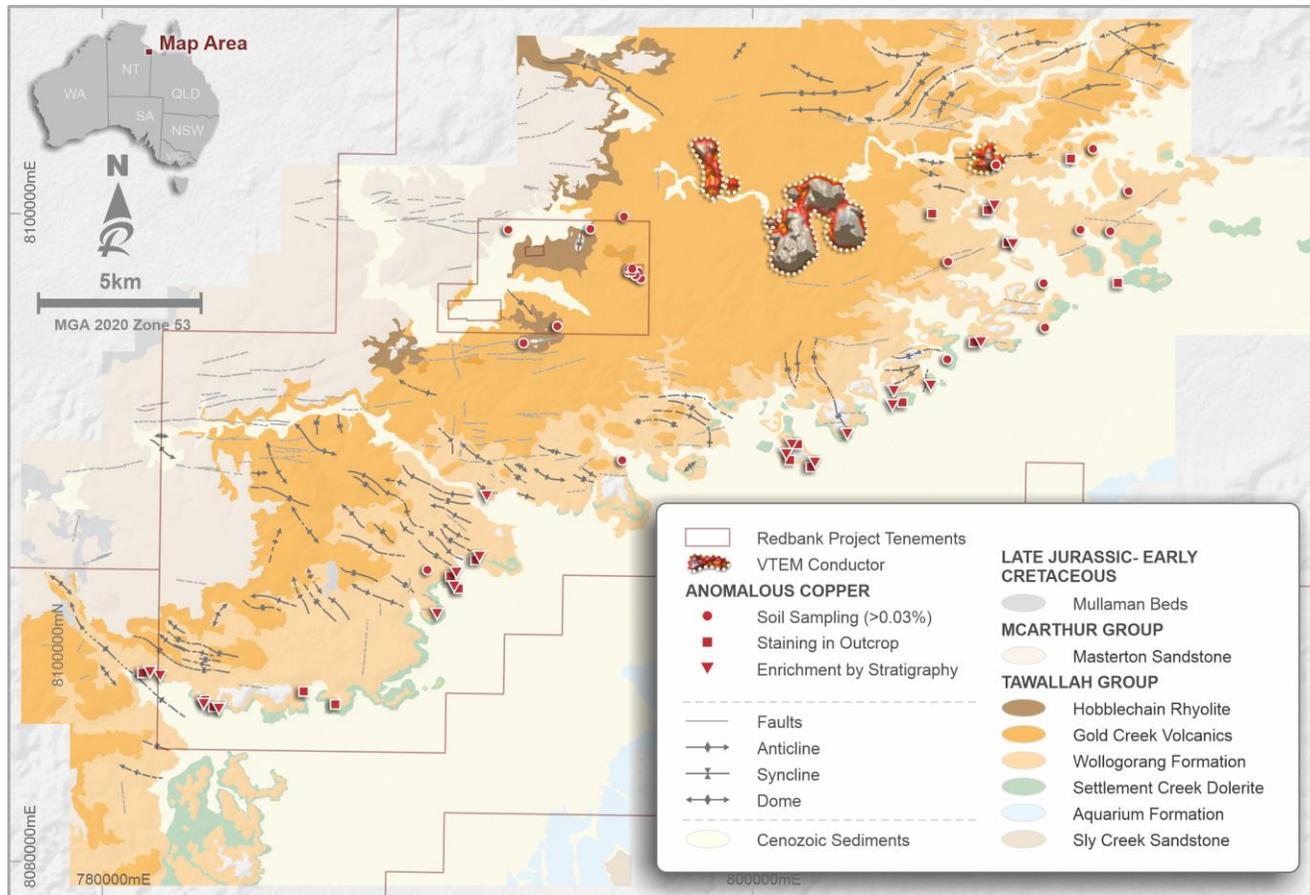
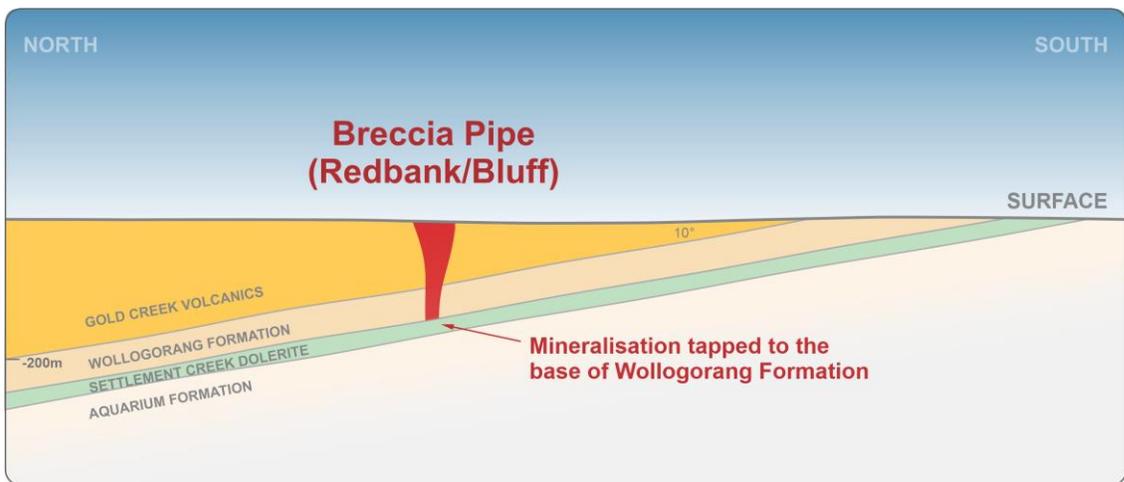
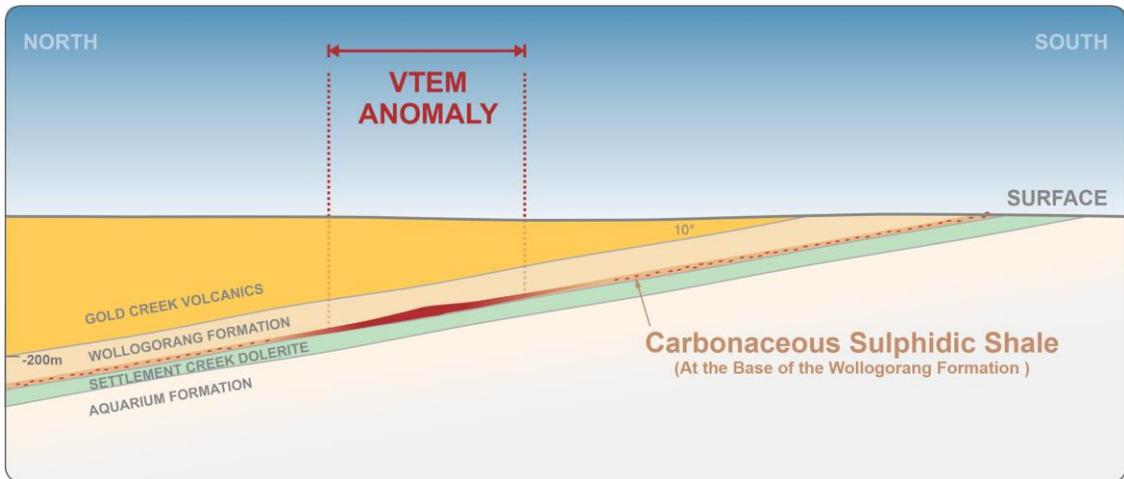
Stratigraphy of rocks beneath the Airborne EM survey



VTEM survey Channel 45 showing conductors: after inversion conductors lie within the Wologorang Formation



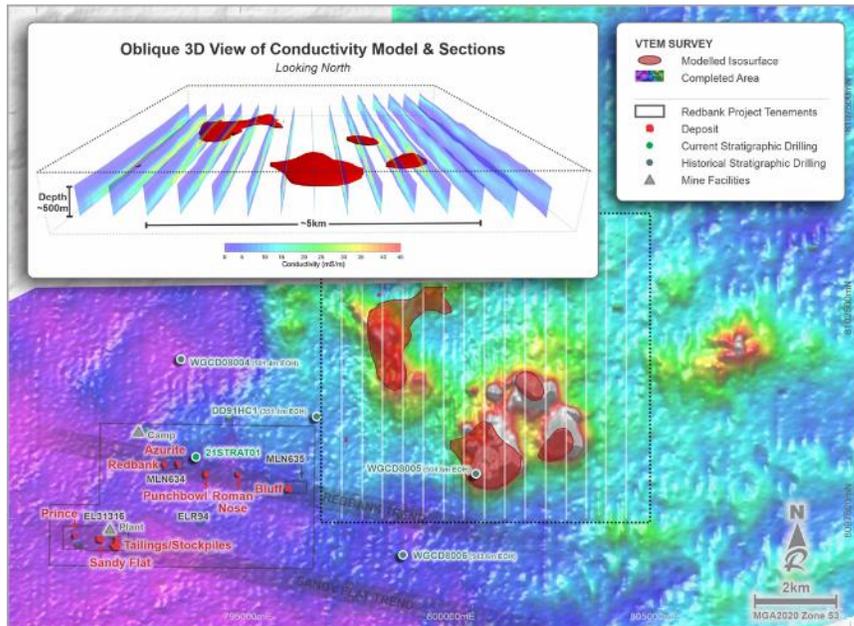
Redbank Project – 2021 VTEM Results



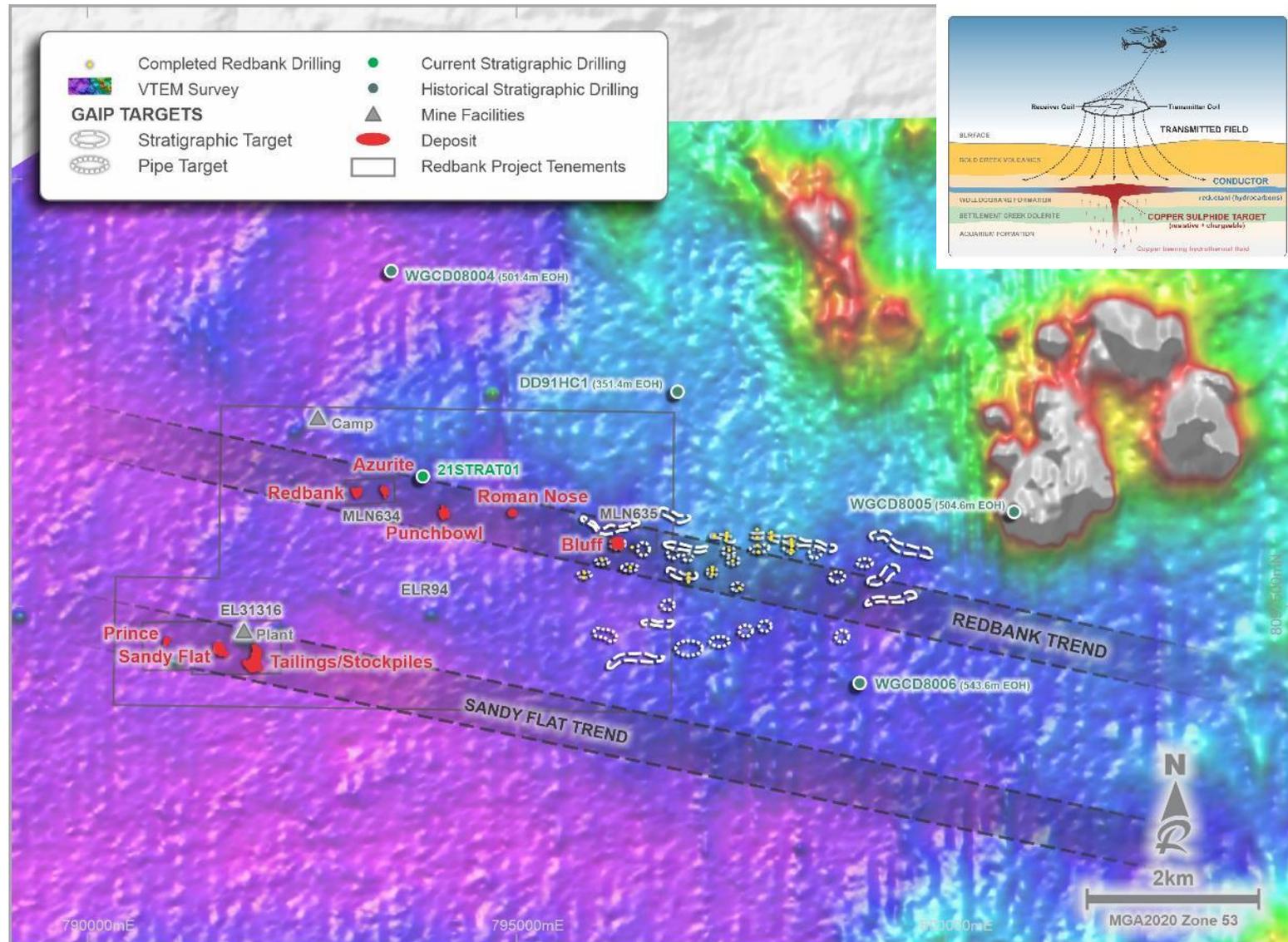


Redbank Project – 2021 VTEM Results

- ❑ Redbank Trend – interpreted structural corridor
- ❑ Host to copper bearing Breccia Pipes
- ❑ Up flow zone - copper bearing fluid migrates from depth to emplace in breccia pipes
- ❑ Lower Wollgorang Formation shale connected to the up flow zone is a receptive host for copper



Conductors modelled at ~200m depth with the Wollgorang Formation shales



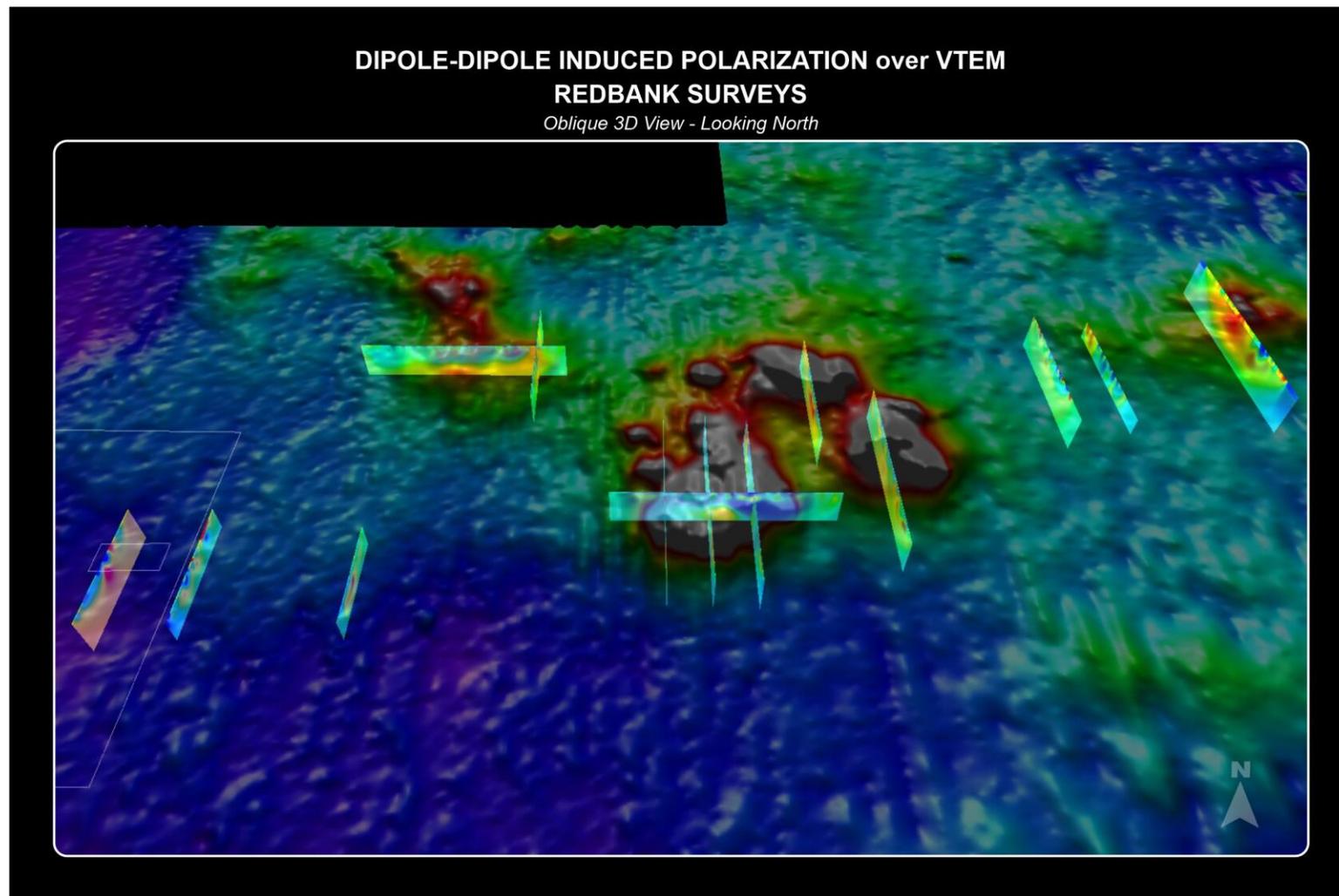
Redbank and Sandy Flat Trend south of the cluster of conductors



Redbank Project – 2022 Testing Copper Targets

Redbank is positioned and drill target ready for the upcoming field season

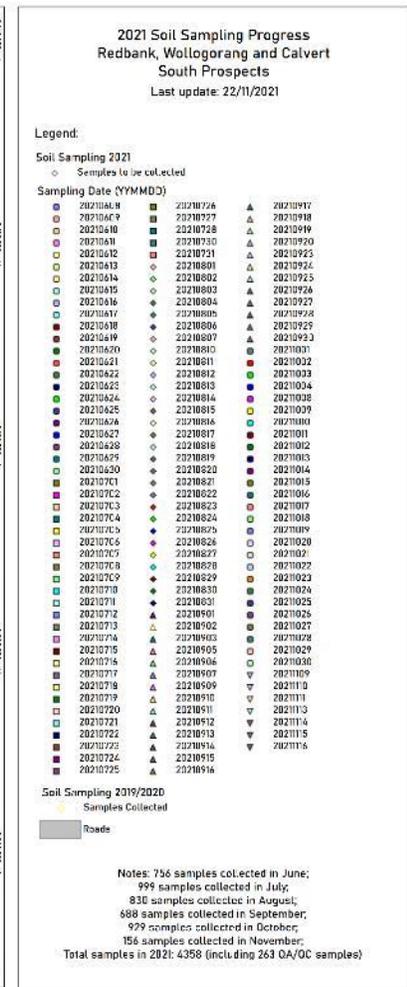
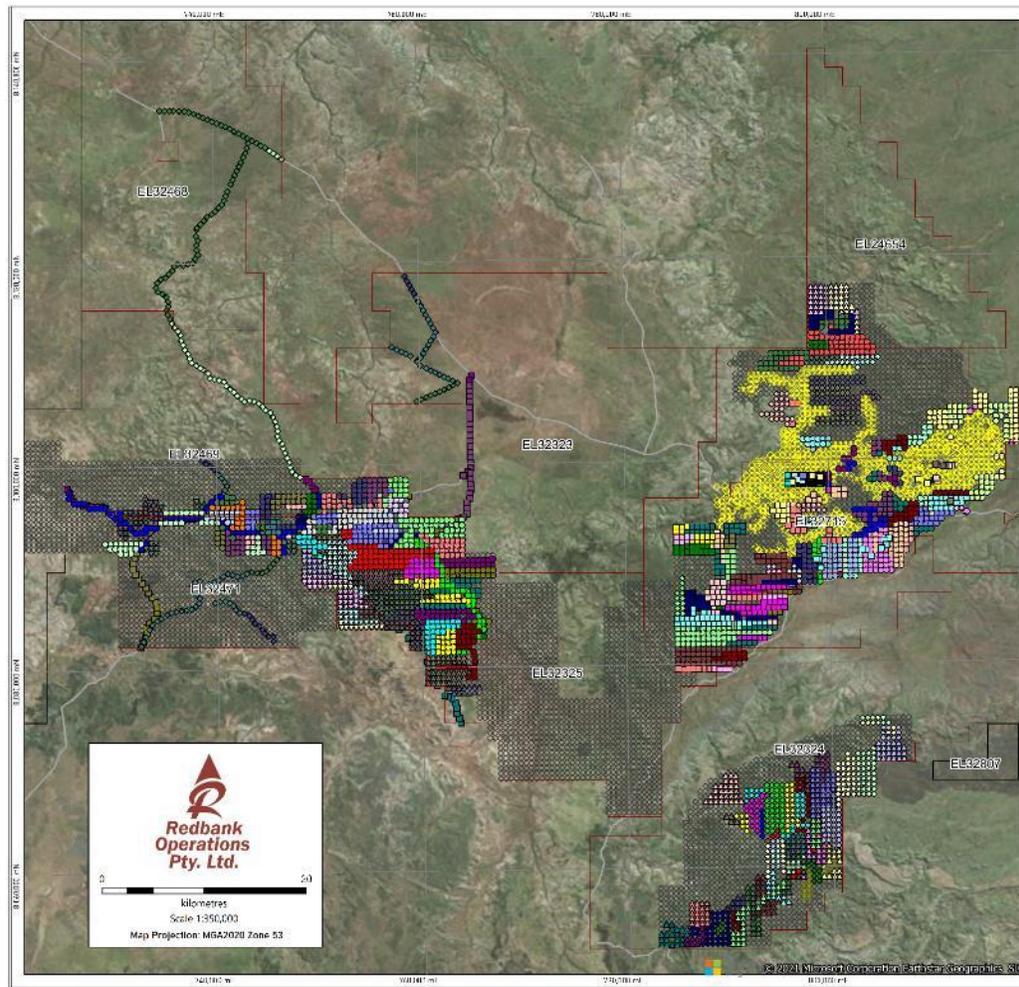
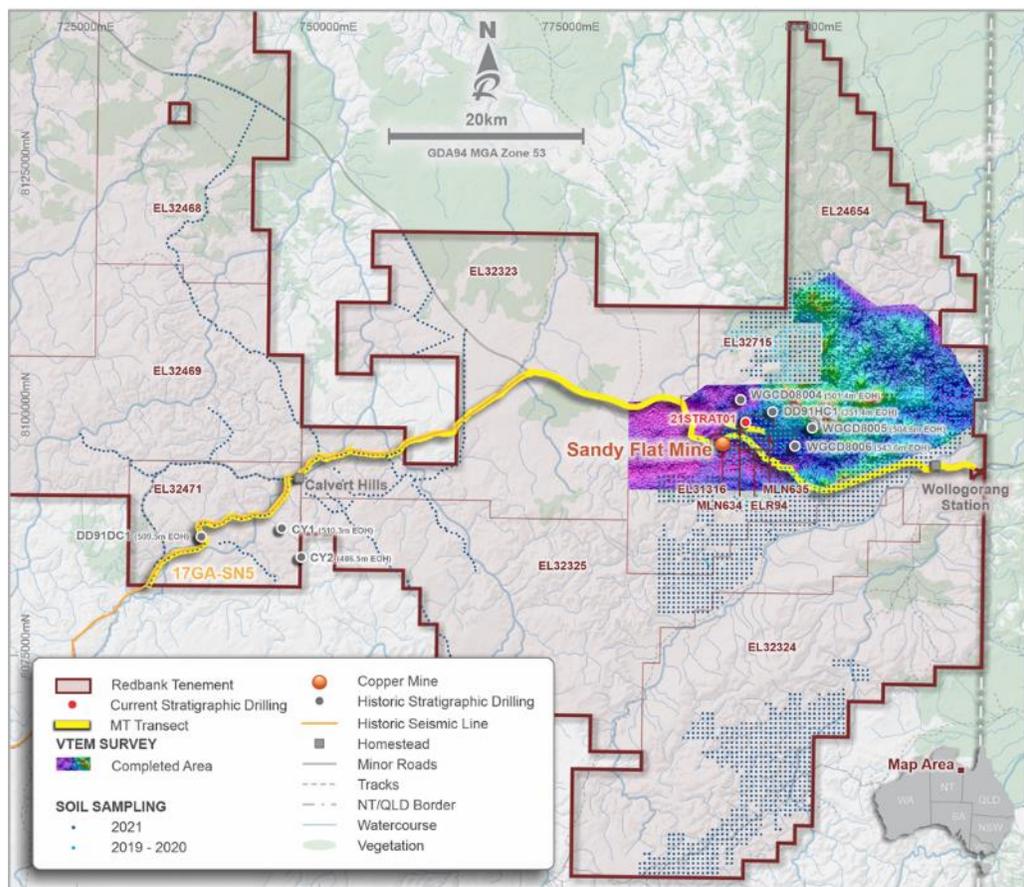
- ❑ Drilling will commence in Q2 – first target is the cluster of conductors northeast of the Redbank structural corridor
- ❑ Currently targeting 5,000m - 10,000m of RC and diamond drilling across a series of targets
- ❑ Copper targets are receptive sediments connected to up flow zones bringing copper-rich fluids from depo-centres
- ❑ Depo-centres are ponds deep within a basin holding copper rich fluids which started as descending salt rich fluids which strip copper from volcanic sills as they descend into the depths of the basin
- ❑ Drill testing copper targets that are receptive sediments that are conductive, chargeable and geochemically anomalous





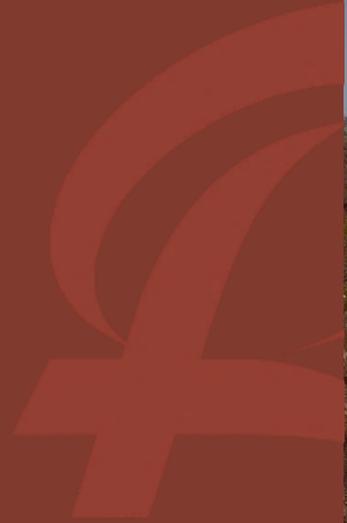
Redbank Project – 2021 Soil Sampling

Extensive soil sampling has been completed demonstrating a large anomalous magmatic & hydrothermal footprint



Redbank Copper Limited

ASX: RCP



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Appendix A: Redbank Project Reported Mineral Resource

Mineral Resource Estimates for each breccia pipe copper deposit (JORC 2012)

Deposit	Inferred (at 0.3% cutoff)		
	tonnes	Cu grade (%)	Cu metal (t)
Redbank	437,700	1.0	4,200
Azurite	291,700	1.3	3,700
Punchbowl	1,162,400	0.8	9,500
Roman Nose	963,000	0.9	8,200
Bluff	2,221,100	1.4	31,700
Sandy Flat	3,100,900	1.0	29,800
Prince	220,400	0.7	1,500
Total	8,397,200	1.1	88,600

Note: Discrepancies in summation may occur due to rounding

Competent Person Statement

The Mineral Resource summary table is based on information, and fairly represents, information compiled by Ms Christine Shore, who is a Fellow of the Australasian Institute of Mining and Metallurgy. At the time the Mineral Resource Estimate was reported to the ASX on 24 June 2021, Ms Shore was a fulltime employee of Entech Pty Ltd. Ms Shore has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she undertook 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'. Ms Shore has previously consented to the inclusion in Redbank Copper reports of the matters based on her information in the form and context in which it appears.



Appendix B: Environmental and Social Responsibility

Environmental and Social Responsibility Statement

The McArthur Basin is still at the very early stages of exploration using modern geochemical and geophysical techniques. As an early explorer in this district, Redbank Copper Limited is mindful of its Environmental and Social responsibility to the land and the Traditional Owners.

Redbank Copper Limited is engaged with the Traditional Owners and their representatives at the Northern Land Council and continue to listen and understand more about the connection that our first Australians have over Northern Australia. We are considerate of the mixed use of the land as pastoralists develop North Australian cattle stations.

Redbank Copper is committed to its Environmental and Social responsibility with all stakeholders and believes that a social license to operate is a long-term obligation.

The Redbank Board ensures an ESG framework is in place for all Redbank's activities and the Company operates to the highest standards in its dealings with pastoralists, traditional owners, Northern Territory Government personnel, the investment community and our shareholders; the owners of Redbank Copper.



Appendix C: Environment, Social and Governance Processes

Traditional financial reporting alone is not sufficient for investors and regulators who demand demonstratable progress in companies engaging in ESG reporting

