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# Corporate and Operational Update

*Positioning for Critical Minerals of Tomorrow*

September 2023

Driven by the value within.



# Acknowledgement of Country / Disclaimer / Competent Person

## Acknowledgement of Country

We acknowledge the Traditional Custodians of the land on which we meet, and on the land on which we operate and pay respects to Elders past and present.

## Disclaimer and Forward-Looking Statements

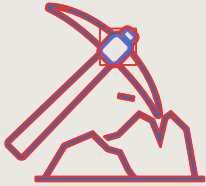
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## Competent Person Statement

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 provided in this presentation relating to Geology and Exploration Results is based, and fairly reflects, information previously reported by NT Minerals and subsequently reviewed by Mr Greg Wilson, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Wilson is a Consulting Geologist providing services to NT Minerals Limited. Mr Wilson 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 Wilson consents to the inclusion in this presentation of the matters, based on the information reviewed, 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 NT Minerals Limited's Mineral Resource estimates which may appear in this presentation are estimates previously disclosed in Redbank Copper Limited's ASX announcement dated 24 June 2021 in compliance with The Australasian Code for Reporting for Exploration Results, Mineral Resources and Ore Reserves, 2012. NT Minerals 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.

# Company Overview



❑ *NT Minerals is an exploration company which owns 100% of highly prospective copper, lithium and other critical minerals projects.*

❑ *NT Mineral's flagship Redbank Copper Project comprises a +13,000km<sup>2</sup> land position with an existing JORC (2012) Inferred resource of 84Mt @ 1.1% Cu (0.03% cut-off) – 88,600 tonnes contained copper, with a potential further 1,000t contained copper in tailings dam.*

❑ *NT Minerals has recently acquired the adjacent Wollogorang Project with an existing JORC (2012) resource of ~1,200t contained Cobalt.*

❑ *NT Minerals has continued to expand its northern Australian focus to include lithium and other critical minerals.*

❑ *Acquisition of the Finnis River Critical Minerals Project – west/southwest of Core Lithium Ltd (ASX:CXO) Finnis Project – 15Mt @ Li<sub>2</sub>O, - Situated in the Bynoe Pegmatite Field*

❑ *All NT Minerals projects are Australia based.*



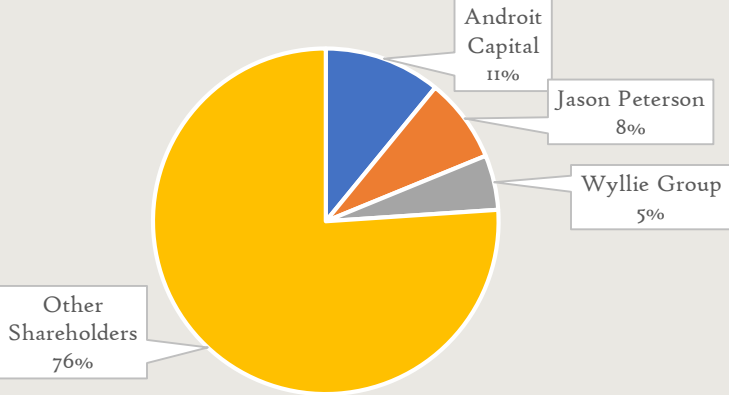


# Capital Structure Overview

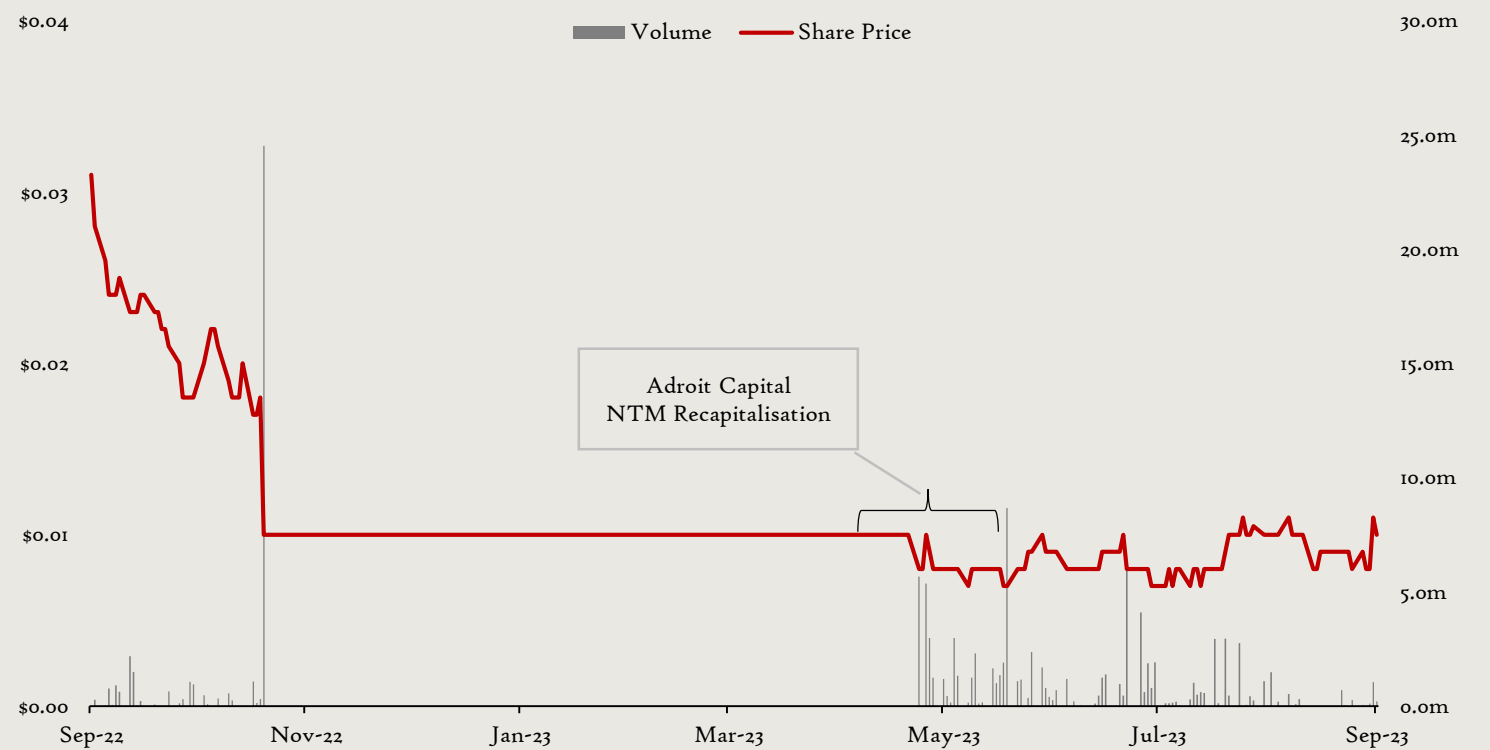


ASX Code	ASX: NTM
Shares on Issue	800,698,915
Share Price (1 September 2023)	\$0.010
Cash on Hand (30 June 2023) <sup>1</sup>	\$584,000
Options	54,875,000
Performance Rights <sup>2</sup>	108,000,000
Convertible Note (undrawn)	\$2,500,000
Market Capitalisation	~\$8,007,000

## Top Shareholders



## 12-Month Share Price Performance



- (1) Appendix 5B Report 28 July 2023
- (2) Performance Rights were approved at the July 2023 AGM to reduce ongoing Director costs and to align performance and value creation objectives for NTM moving forward. The Performance Rights are split into 3 Tranches and vest on the 20-day VWAP Strike hurdle as follows;

Tranche 1	24M	Expiry 31 Dec 2023	Strike \$0.02
Tranche 2	36M	Expiry 30 Jun 2025	Strike \$0.05
Tranche 3	48M	Expiry 30 Jun 2026	Strike \$0.10

## **Mal James Executive Chair**

Mr. James is an innovative, entrepreneurial executive leader with a wealth of cross-cultural skills delivering international market success. Mr. James has more than 30 years' experience spanning both public and private companies and across mining, oil, gas, business advisory and product development in senior operational, strategic and general management roles. Mr. James has demonstrated expertise in architecting transformational change, leveraging his business acumen to provide effective operational strategies and improve business performance across the board by maximising good business judgement and knowledge.



## **Roy Jansan Non - Executive Director**

Mr. Jansan is an Indigenous Rak Mak Mak Marranunggu man raised in Darwin (Northern Territory) and is the formal elder of his people. Mr. Jansan specialises in the construction of mines, concrete manufacturing, remote construction projects and civil construction. Mr. Jansan has extensive experience building and constructing mining infrastructure and processing plants for public and private operations.



## **Hugh Thomas Non-Executive Director**

Mr. Thomas has over 35 years' industry experience having held several executive management and consultancy positions across the natural resources sector. These 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. Mr. Thomas also has extensive experience working with listed companies at the exploration and development stage, having held positions with Robust Resources, Indochine Mining and the unlisted International Base Metals.



## **Melanie Ross – Company Secretary**

Ms. Ross is an accounting and corporate governance professional with over 20 years' experience in financial accounting and analysis, audit, business and corporate advisory services in public practice, commerce and state government. She has a Bachelor of Commerce and is a member of the Institute of Chartered Accountants in Australia and New Zealand and an associate member of the Governance Institute of Australia. Ms. Ross is currently a Director of Consilium Corporate Pty Ltd, an advisory company based in Perth that provides corporate and other advisory services to public listed companies.



# Company Activities - Since Relisting



## ➤ *March 2023*

- *Private Placement - +\$500,000*
- *Convertible Note - \$2.5M (conversion floor - \$0.01)*
- *New Board – Board personal investment*

## ➤ *April - July 2023*

- *Entitlement Issue - +\$1.1m fully underwritten*
- *Reinstated to Trading on ASX*
- *Costs Reduction across corporate areas*
- *Realignment of Board / Management Remuneration*
- *Critical Minerals Acquisition – Finniss River*
- *Joint Venture implemented on Millers Creek Project (SA)*
- *Expansion of Redbank Project through acquisition*
- *Re-engaged with NSW Govt over McKinnons Rehabilitation*

## ***Strategic Review – Refocus of NT Minerals***

- *Northern Australia centric*
- *Critical / Strategic Minerals targets*
- *Risk Mitigation through expansion*
- *Road Map to production & sales*
- *Existing JORC (2012) Resource:*
  - *8.4Mt @1.1% Cu (0.3% cut-off)*
  - *88,600 tonnes contained copper*

## ***Re-rating to market peers***

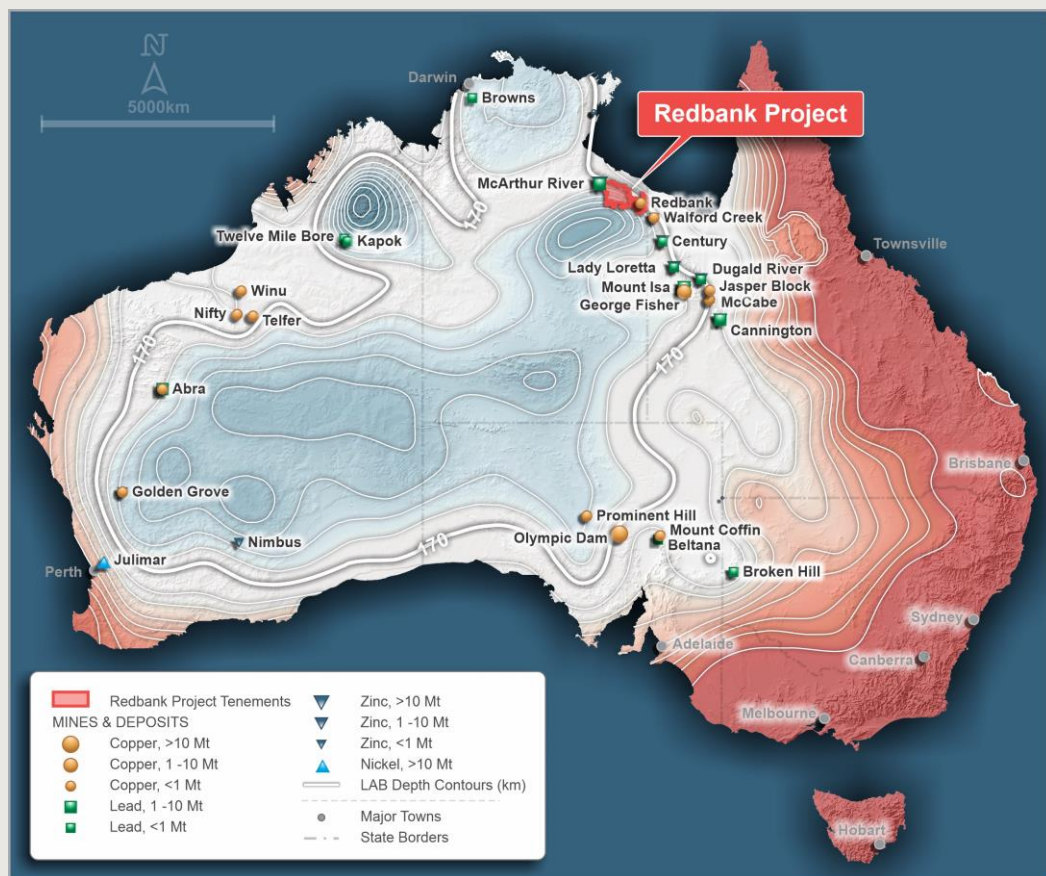
*“The recent acquisitions significantly increase NT Minerals portfolio with an expansion of the Redbank Copper Project and the exciting addition of critical minerals to the portfolio”.*

***Mal James Executive Chairman***

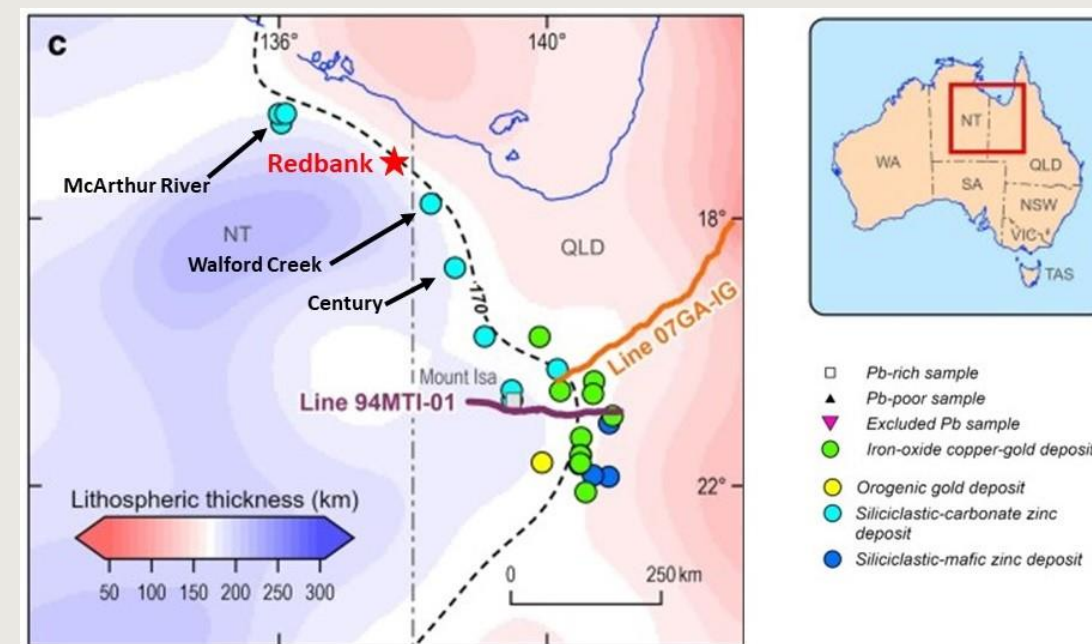


# *Redbank Copper Project*

# Redbank Copper Project – The Right Address



- Research released by Geoscience Australia (GSA) in 2020 as part of the “Exploring for the Future Program” identified the North Australia mineral corridor with enhanced potential for base metal mineralisation, extending from McArthur River Mine to Century and Mt Isa.
- GSA used continent-scale scientific data to map mantle-edge thermal gradients along craton margins, identifying a critical change in thickness of the lithosphere 170 kms below surface.



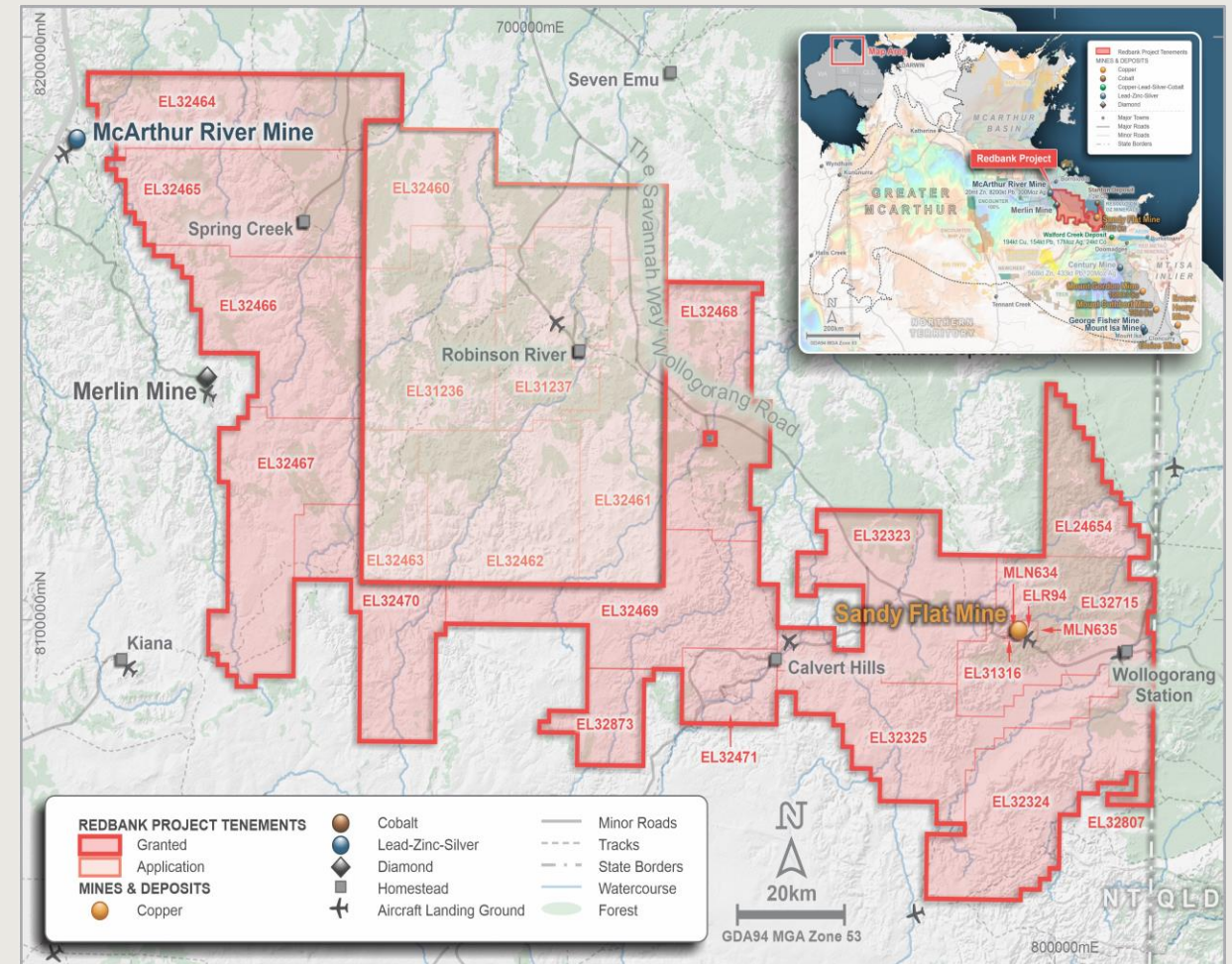
- GSA interpreted change in lithosphere defines craton margins, noting some 85% of sediment-hosted base metals (copper, lead, zinc) occur within 200km of the transition between thick and thin lithosphere.



# Redbank Copper Project



<b>Ownership</b>	100% Ownership
<b>Location &amp; Infrastructure</b>	<ul style="list-style-type: none"> <li>Located in the McArthur Basin, an area known for hosting world class base metals deposits</li> <li>Existing large scale base metals operations within the region</li> </ul>
<b>Size &amp; Scale</b>	<ul style="list-style-type: none"> <li>The Redbank Copper Project scale is significant capturing a total tenure in excess of 13,000 km<sup>2</sup></li> </ul>
<b>Current Resource</b>	<ul style="list-style-type: none"> <li>Project hosts a JORC (2012) compliant Inferred resource totaling 8.4mt @ 1.1 Cu for ~88kt contained copper<sup>1</sup></li> </ul>
<b>Opportunity</b>	<ul style="list-style-type: none"> <li>The region is significantly underexplored in terms of modern exploration activities</li> <li>Historical datasets and NT Minerals 2022 field program highlighted elevated soil geochemistry levels</li> <li>Targets defined and remain untested</li> </ul>

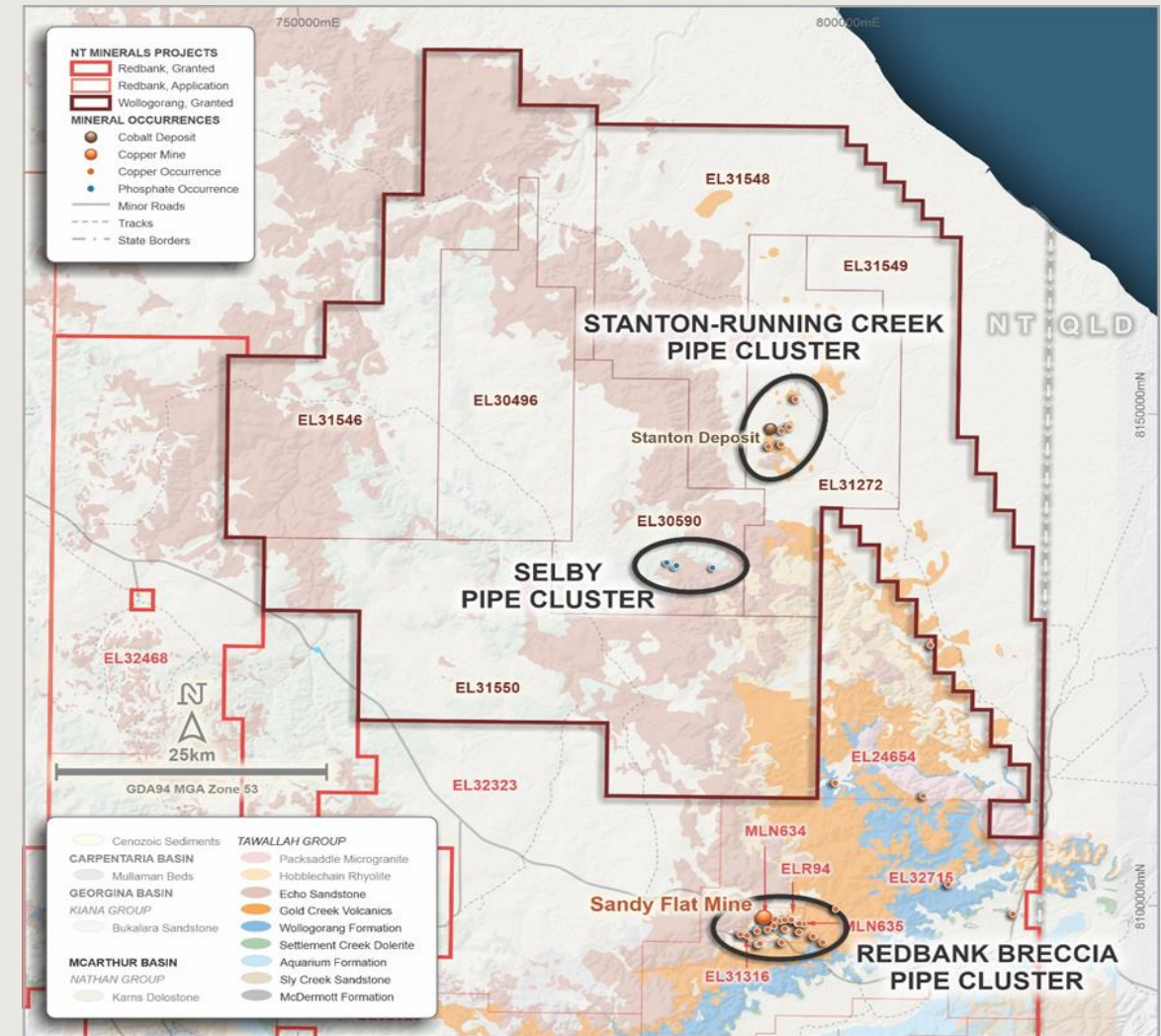


(1) Refer NT Minerals ASX Announcement 24 June 2021

# Redbank Copper Project – expansion (Wollogorang Copper Project)



Ownership	100% Ownership (Acquisition from Resolution Minerals) <sup>(1)</sup>
Location	<ul style="list-style-type: none"> <li>Located adjacent to the existing Redbank tenements in the McArthur Basin</li> </ul>
Size & Scale	<ul style="list-style-type: none"> <li>Wollogorang Project covers an area of tenure +3,800km<sup>2</sup></li> </ul>
Current Resource	<ul style="list-style-type: none"> <li>Project host a historical JORC (2012) compliant Resource totaling 0.4Mt @ 0.13% Co, 0.06%Ni and 0.12%Cu for ~1200t contained Cobalt<sup>(2)</sup></li> </ul>
Opportunity	<ul style="list-style-type: none"> <li>Highly prospective for critical / strategic minerals                             <ul style="list-style-type: none"> <li>Copper</li> <li>Cobalt</li> <li>Nickel</li> <li>Rare Earths</li> </ul> </li> </ul>



(1) Refer NT Minerals ASX Announcement 6 September 2023  
 (2) Refer Northern Cobalt (ASX:N27) ASX Announcement 9 April 2018



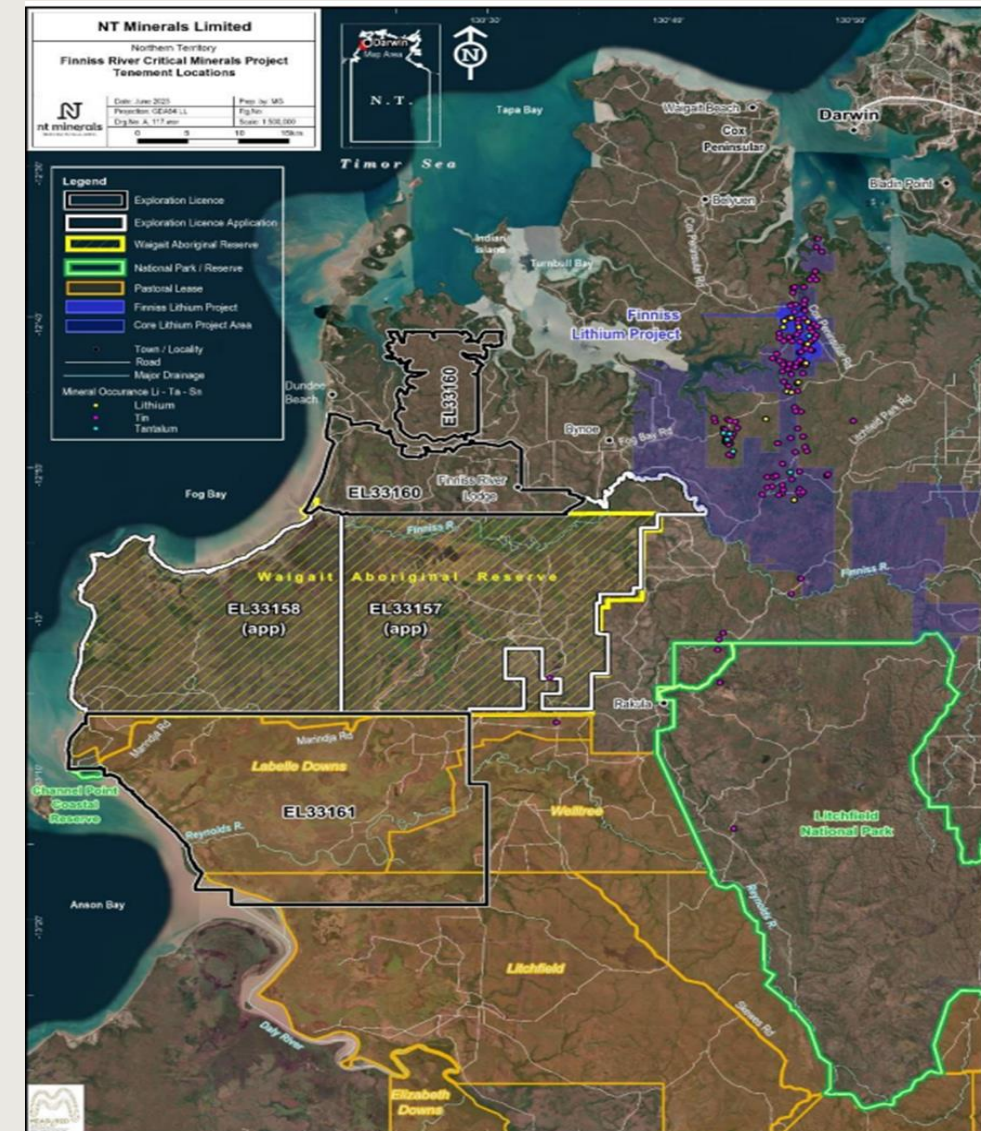
# *Finniss River Critical Minerals Project*



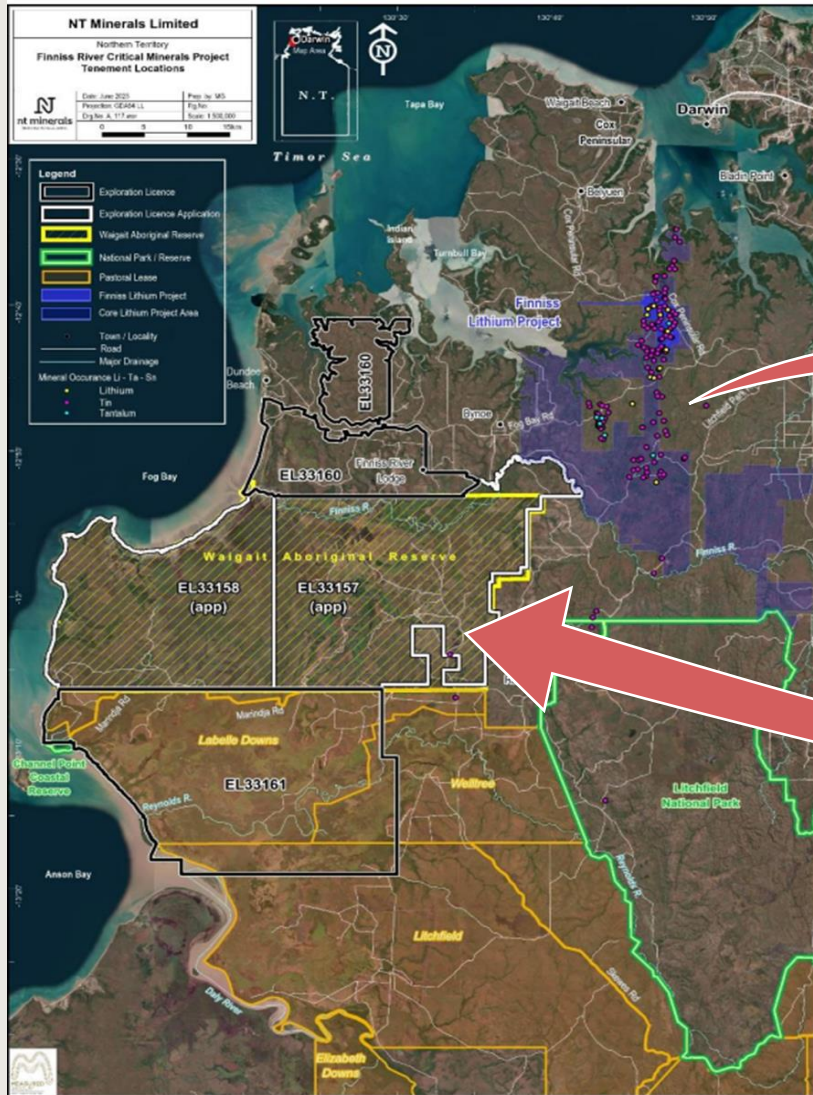
# Finiss River Critical Minerals Project



Ownership	100% Ownership <sup>1</sup>
Location	<ul style="list-style-type: none"> <li>60 - 130km west southwest of Core Lithium Ltd Finiss Project</li> </ul>
Size & Scale	<ul style="list-style-type: none"> <li>+2,200km<sup>2</sup></li> </ul>
Opportunity	<ul style="list-style-type: none"> <li>Historical exploration through the area has been varied and sporadic, predominantly targeting uranium and base metals during the early and mid-1980's utilising regional scale exploration techniques including regional stream geochemistry, aeromagnetics and radiometrics</li> <li>Preliminary observations have confirmed historical logging, noting the presence of ultramafic intrusive lithologies, pegmatites and graphite bearing black shales</li> <li>Similar characteristics and geological setting to the Finiss Lithium Project owned by Core Lithium Ltd (ASX:CXO)</li> <li>Relogging and sampling of historical drill core commenced in May and will be ongoing</li> </ul>



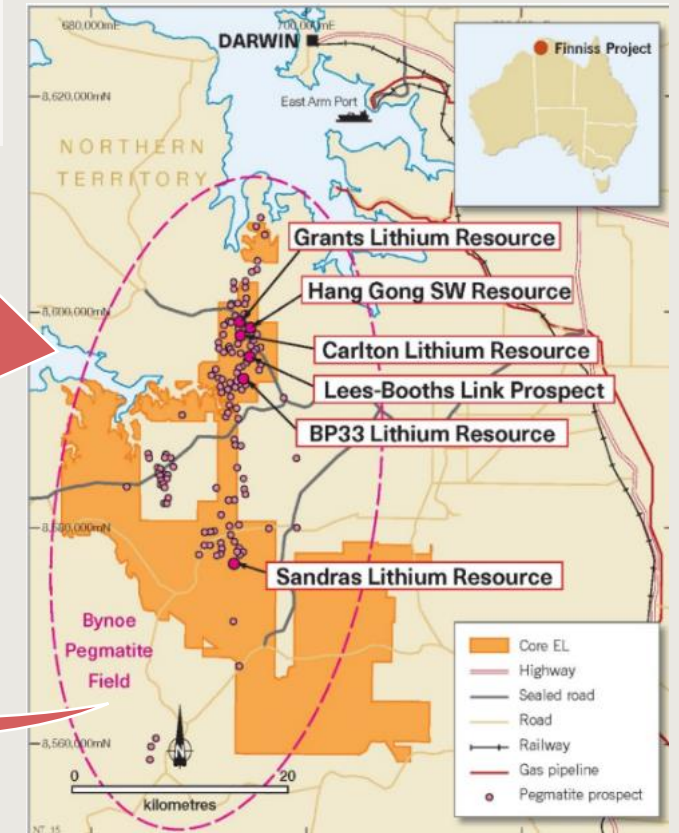
# Bynoe River - Regional Prospectivity



High conviction regional prospectivity and the success of exploration and development opportunities around the world class Bynoe Pegmatite Fields is key to NT Minerals strategic objectives with the Finniss River acquisition

**Core Lithium**  
(30.6Mt @ 1.31% Li<sub>2</sub>O)  
Bynoe Pegmatite Field

**NT Minerals**  
Bynoe Pegmatite Field



“NT Minerals is excited to add the Finniss River Critical Minerals Project to its northern Australian portfolio. This project is in the Bynoe Pegmatite Field that hosts the Finniss Lithium Project (Core Lithium) and Evergreen’s Lithium Project.”



# Bynoe River – The Neighbouring Explorers Activity is Alive

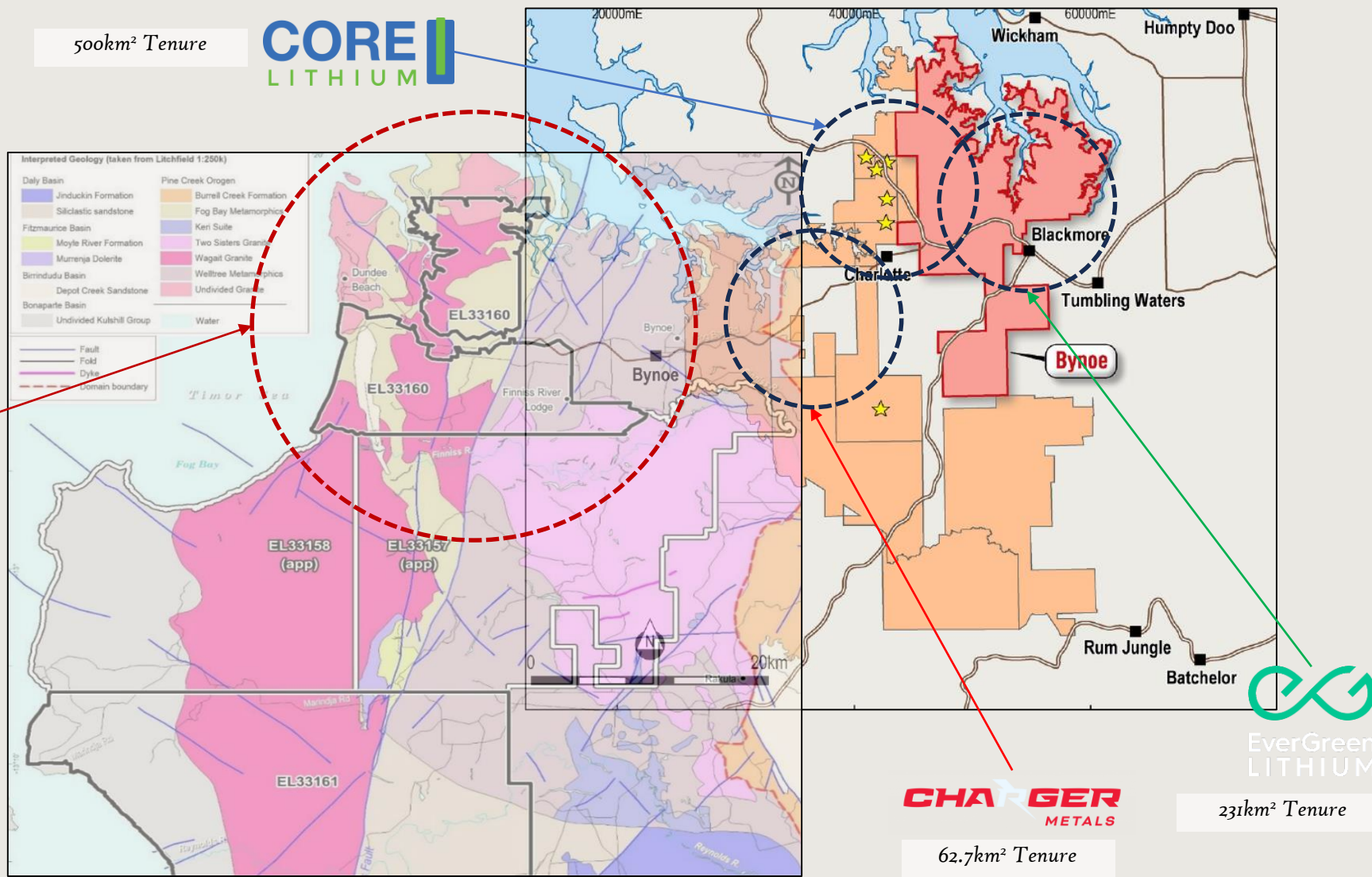


The Bynoe Pegmatite Field is attracting significant exploration activity from juniors with close proximity to the existing Core Lithium operation



nt minerals

2,277km<sup>2</sup> Tenure

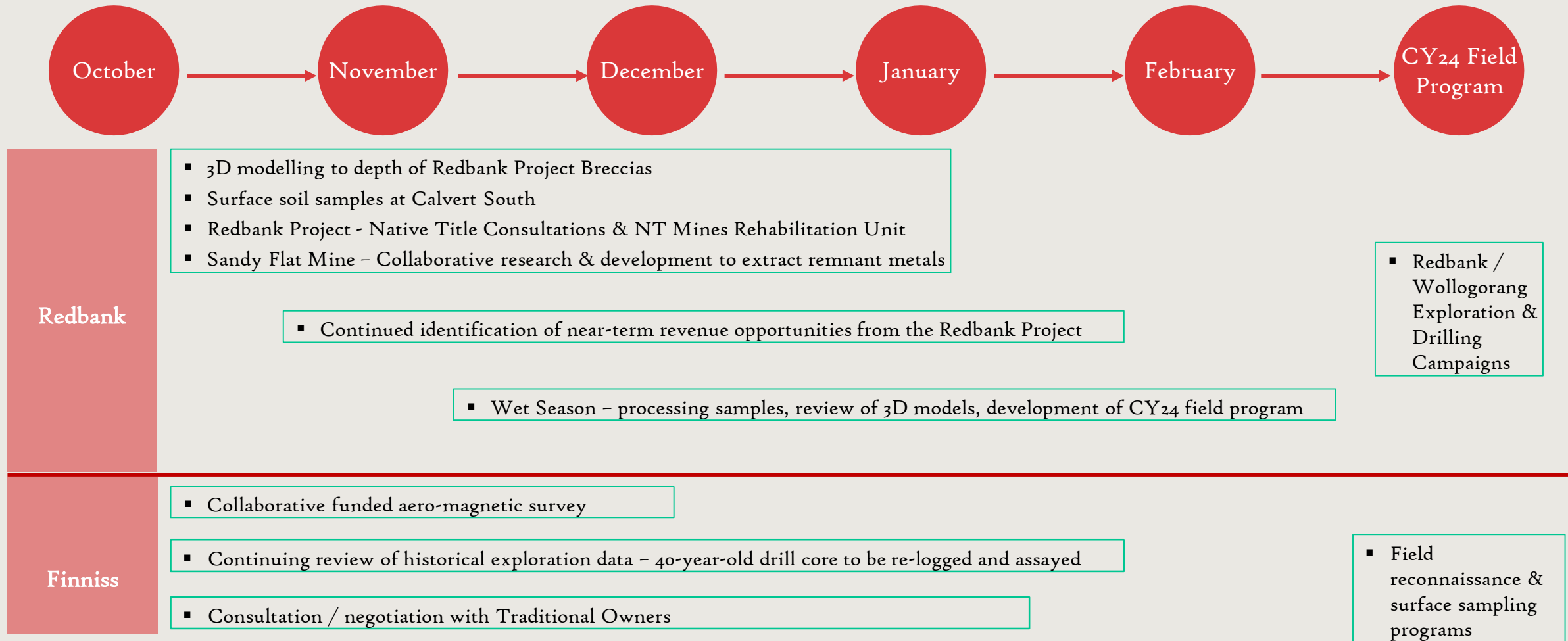






# *NT Minerals - Repositioning for Growth*

# The Strategic Pathway Forward – CY24



# Driven by the value within

NT Minerals Limited - (ASX:NTM)

Corporate and Operational Update

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## Critical Minerals for Tomorrow