

# Tambourah

## Metals Ltd

ASX Code: TMB

## Gold and Critical Minerals Exploration

Tambourah Metals Ltd  
Gold Conference Presentation | 10 February 2022  
Rita Brooks - Executive Chairperson

[Tambourahmetals.com.au](https://tambourahmetals.com.au)



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The information in this Presentation that relates to Exploration Results and Mineral Resources has been extracted from the Company's Prospectus dated 25 June 2021 and lodged with the Australian Securities and Investments Commission (ASIC) (Prospectus). The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results or Mineral Resources information included in the Prospectus. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the Prospectus. This Presentation has been approved by the Board.

## Forward Looking Statements

Forward-looking statements are statements that are not historical facts. Words such as "expect(s)", "feel(s)", "believe(s)", "will", "may", "anticipate(s)" and similar expressions are intended to identify forward looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to:

- i. those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations;
- ii. risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined;
- iii. the potential for delays in exploration or development activities or the completion of feasibility studies;
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- v. risks related to failure to obtain adequate financing on a timely basis and on acceptable terms, or delays in obtaining governmental approvals or in the completion of development or construction activities; and
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## Competent Person Statement

*The information in this report that relates to Exploration Results is based on information compiled by Mr Chris Ramsay exploration manager of the company, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Chris Ramsay has sufficient experience which is relevant to the style of mineralisation and type of deposits 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 Chris Ramsay consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

# Introduction

- Tambourah Metals Ltd has established a portfolio of advanced Gold and Critical Minerals Projects in Western Australia.
- TMB listed on the ASX on August 12<sup>th</sup> 2021.
- Tambourah Metals is developing five main projects - two advanced gold projects (Tambourah and Cheela) in the Pilbara region and three Critical Minerals exploration projects (Julimar North, Achilles and Russian Jack).
- PILBARA GOLD
- TAMBOURAH GOLD PROJECT
- CHEELA GOLD PROJECT
- RUSSIA JACK (Lithium Project) – East Pilbara
- JULIMAR NTH (Ni-PGE) including the new Wongan Hills Sth Project.
- ACHILLES (Ni-PGE) in the NE Goldfields.
- What's next in our exploration and development plans



# Exploration Highlights



## Pilbara Gold Explorer

- Tambourah and Cheela Gold Projects are advanced projects located within the Tier-1 Pilbara gold province with access to world-class infrastructure
- Advancing exploration with Heritage clearance underway
- Proposed drilling contracts for Q1/Q2 for the Pilbara and NE Goldfields
- The Pilbara has identified over 10 million ounces in the last 10 years
- *De Grey (DEG), MD Glen Jardin stated "Hemi has been huge for the Pilbara, we now have a resource of 6.8M ounces to bring the total inventory at Mallina/Hemi to 9M ounces of gold. What De Grey has shown, is you can find gold in the granites." – The West Australian 26/06/21*



## Critical Minerals

TMB has continued to expand the strategic exploration holding in the Julimar Nth region

- A large portfolio of Projects in the region
- 7 granted exploration licences & 4 exploration license applications
- Tambourah Ni-PGE projects next to Caspin Resources (CPN) Yarrowindah project, Pursuit Minerals (PUR) Phils Hill project and Lontown Resources Ltd (LTR), Chalice Mining (CHN)
- Russian Jack Project Li-Ta-Sn has expanded
- Achilles Ni-PGE-Cu

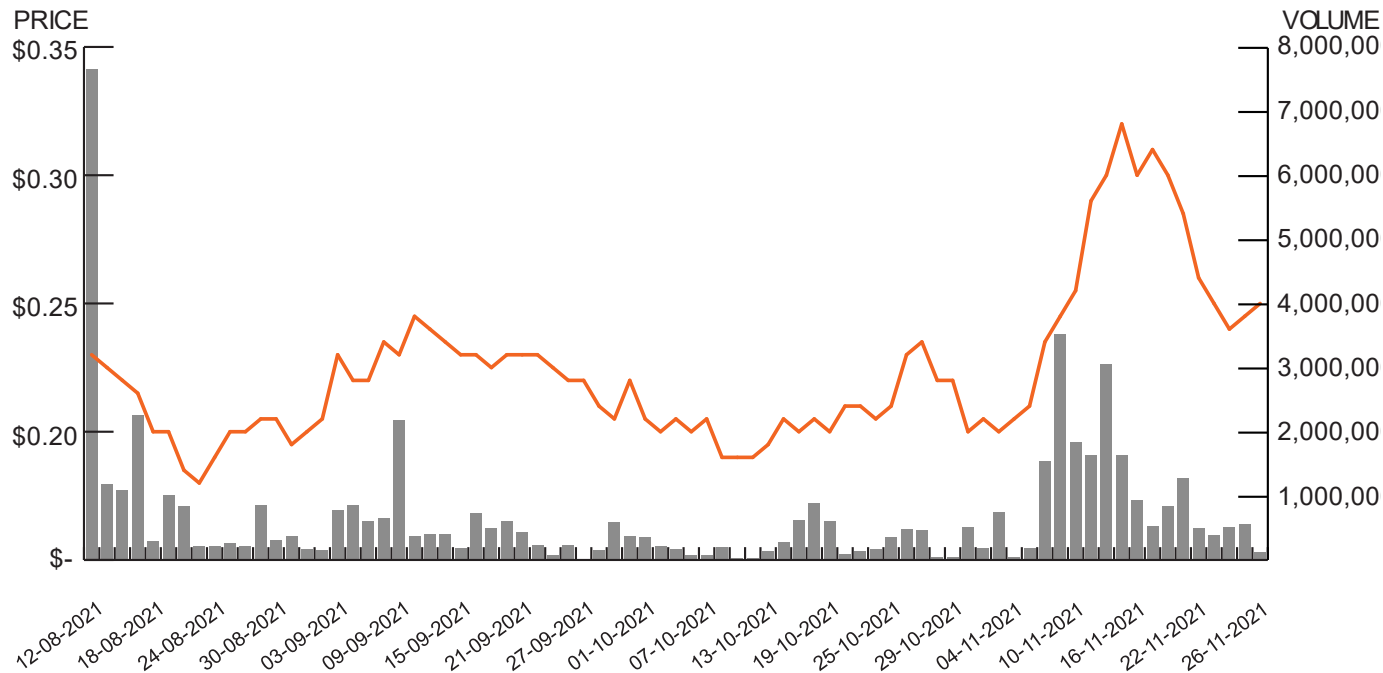


## Key Business Fundamentals

- Experienced Board and management
- Expanding the exploration portfolio
- Current Market capitalisation of approx. \$16m
- Tier 1 mining regions
- Drilling programs approved and ready
- Gravity Survey completed at Julimar
- Geophysical Targets identified
- [www.tambourahmetals.com.au](http://www.tambourahmetals.com.au)

# Corporate Overview

## TMB: SHARE PRICE PERFORMANCE



CAPITAL STRUCTURE	CURRENT
SHARE PRICE <sup>1</sup>	0.26
FULLY PAID ORDINARY SHARES ON ISSUE	40.5 M
ESCROWED SHARES ( 24 MONTHS )	24.5 M
TOTAL SHARES ON ISSUE	65 M
MARKET CAP (undiluted)	15.91 M
CASH <sup>2</sup>	\$6.734 M
DEBT	NIL
OPTIONS ON ISSUE <sup>3</sup>	11.7 M

## BOARD & KEY MANAGEMENT

Executive Chairperson: Rita Brooks

Non - Executive Director: Chris Ramsay

Non - Executive Director: Ben Donovan

Company Secretary: Graeme Smith

1. Share Price based on closing price on 2<sup>nd</sup> February.

2. Closing cash at the end of Dec quarter.

3. Unlisted broken management options, exercisable at \$0.25 each exp 31/12/2024. \$0.5 M unlisted options are under escrow until 10 August 2022. \$11.2 M unlisted options are under escrow until 10 August 2023.



# ESG - Sustainability



## ENVIRONMENT

*Commitment to minimise ground disturbance,  
CO<sub>2</sub> emissions & water usage*



## SOCIAL

*Full engagement with local suppliers and  
recognizing Traditional Owners & Native Title  
Holders*



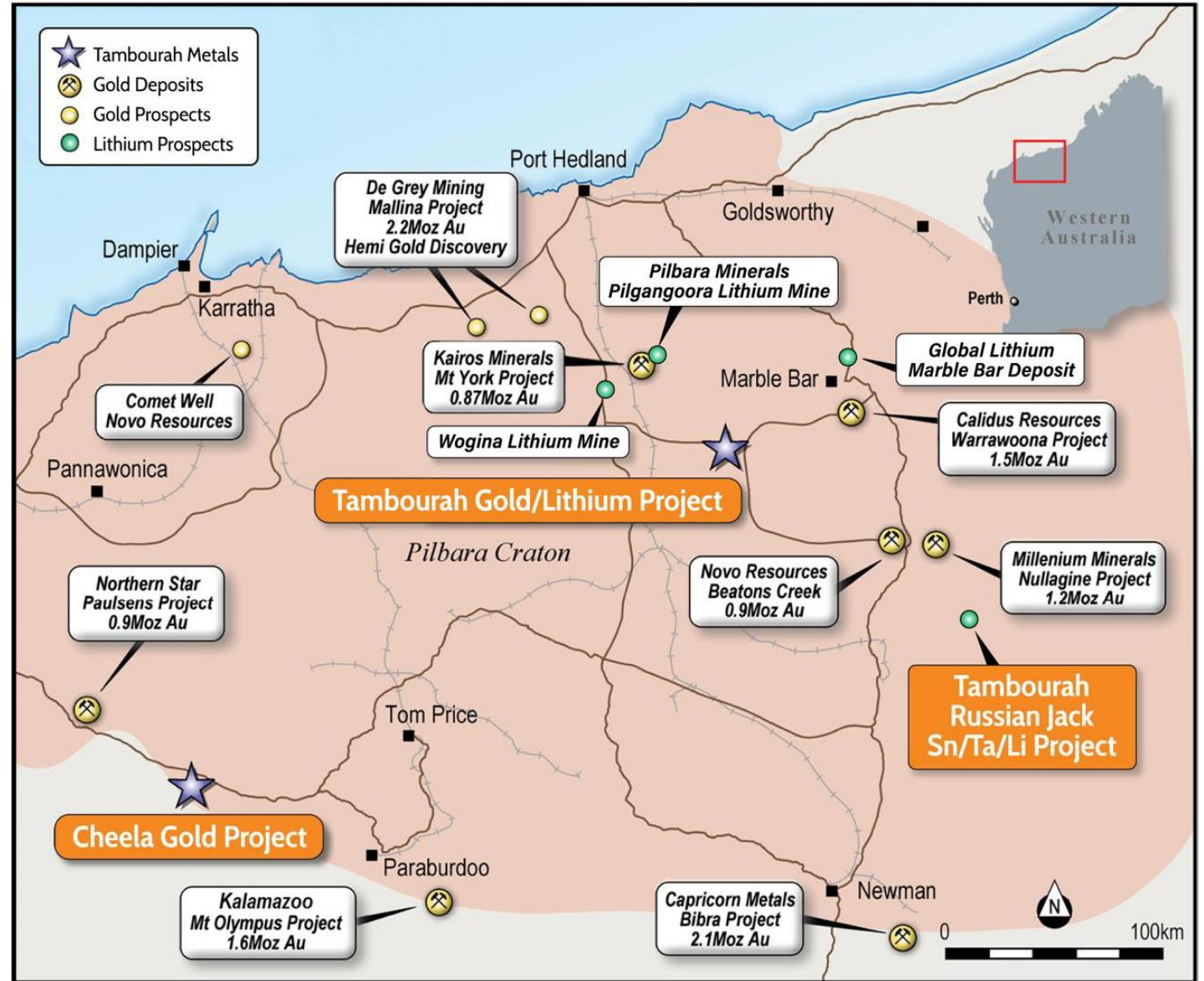
## GOVERNANCE

*Integrate best practice environmental and  
social standards into corporate governance  
principles*



# Pilbara Gold Field

- TMB strategy is to develop gold resources with modern exploration and mining methodologies
- Utilize existing and obtain new data to discover gold zones within known historic gold fields
- From 2010-2020 there were ~10Moz of gold discoveries in the Pilbara region, WA
- There are now multi million-ounce discoveries incl. Hemi/Mallina gold projects. The Tambourah geology is in a similar geological setting
- The Tambourah Gold field recorded gold production of 2,003 ounces for an average grade of 38.5 g/t Au
- Total production to the end of 1977 from Tambourah Goldfield was 5,247 ounces of gold, at an average recovered grade of 30.0 g/t Au

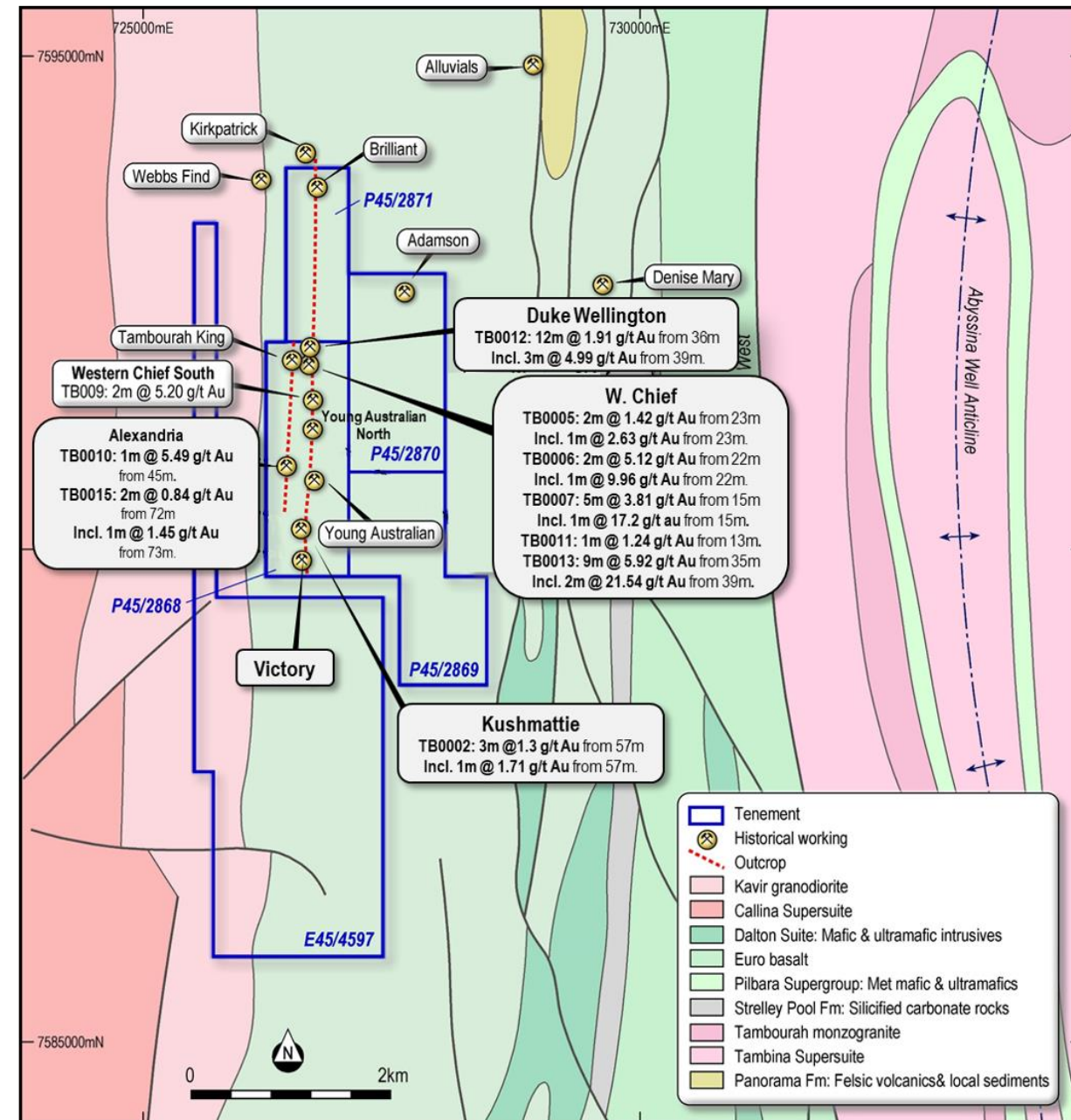


(See section 3 of independent expert's report of Prospectus)

# Tambourah Recent Drilling

- In 2019 Baracus Pty Ltd, completed 15 RC holes (with an EIS grant in 2019)\* which aimed to test the extent of the known gold mineralization
- Gold Mineralisation was intersected with shallow drilling
- The presence of historical significant gold grades were confirmed
- Mineralisation was found to be open at depth and along strike
- Current known gold prospects extend over 2.5km
- Numerous cases of historical mineralisation have not been drilled since 1898

\*Refer TMB prospectus 25<sup>th</sup> June 2021, ASX Release 10<sup>th</sup> August 2021



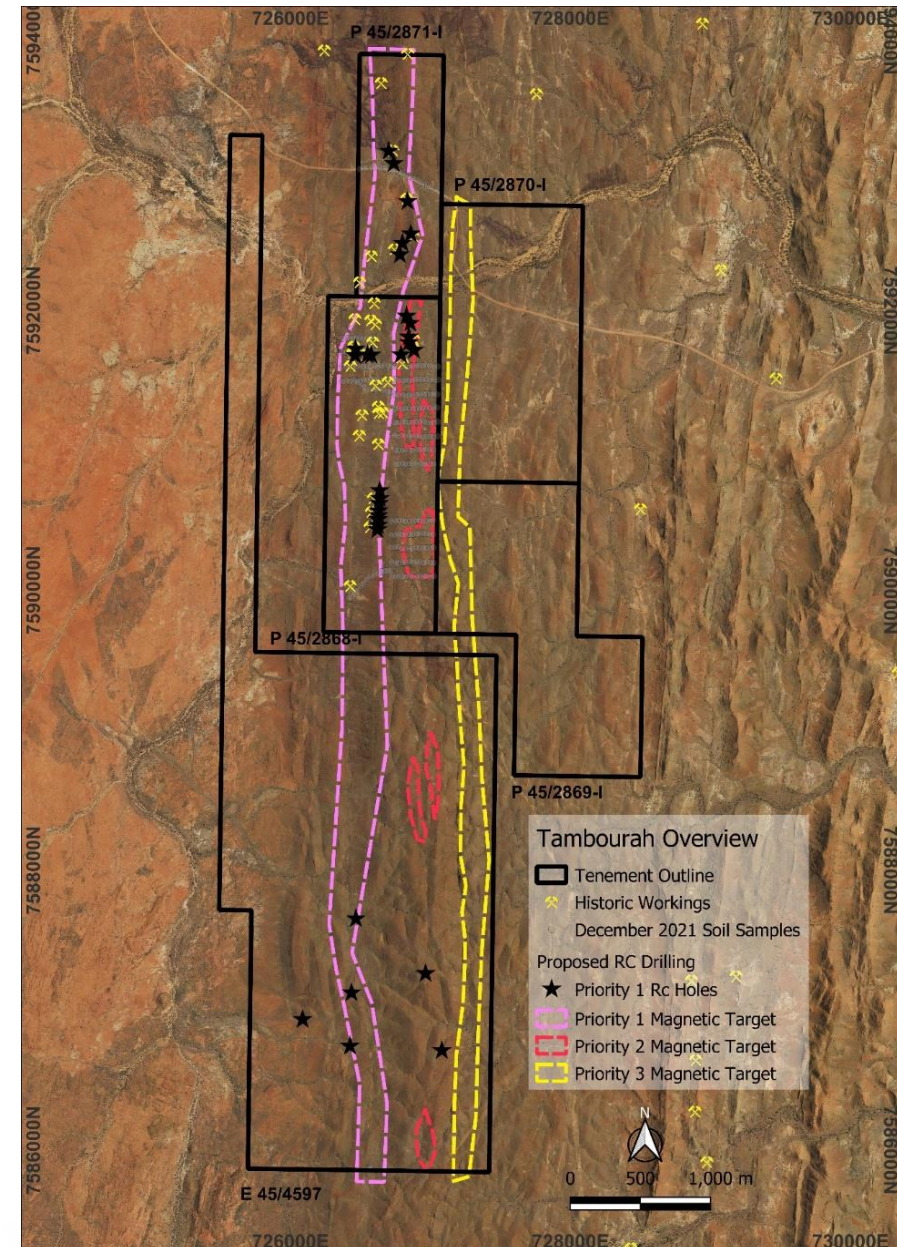


# New Geophysical Results

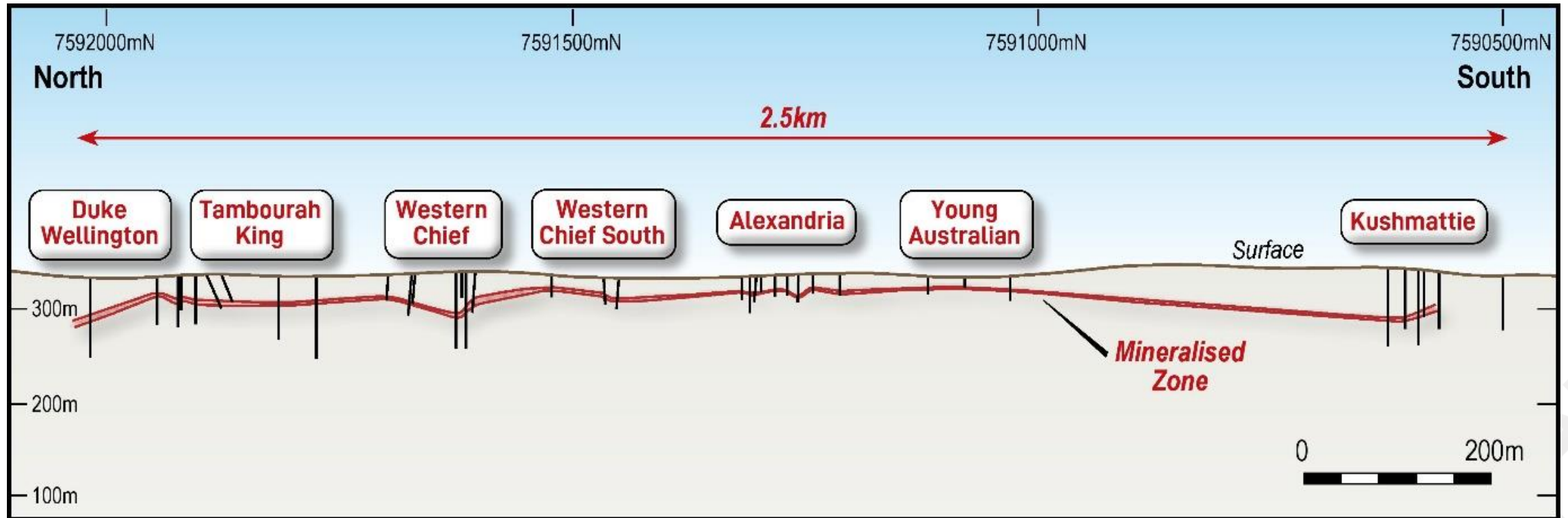
- During Q4 2021 TMB acquired high resolution airborne magnetic and radiometric data over the Tambourah Mineral Field from a 2016 survey.
- Three significant potential gold mineralisation target zones identified.
- Geophysical reprocessing and interpretation completed in 2016.
- Priority 1 zone-extends north-south along the full length of the tenement package and includes most of the historic workings.
- New interpretation extends this prospective zone 4.1km to the south, and below the historic workings.
- Priority 2 zone-includes the Federal Line of workings and consists of 6 discrete north-south oriented targets zones over the full strike length of the tenure.
- Priority 3 zone- extends north-south along the full length of the tenement package and includes a fundamental crustal structure not previously identified.

*TMB Airborne Magnetic Interpretation and Priority Target Zones and Proposed Drilling*

\*Refer TMB ASX Announcement 24<sup>th</sup> Jan 2022



# Long Section

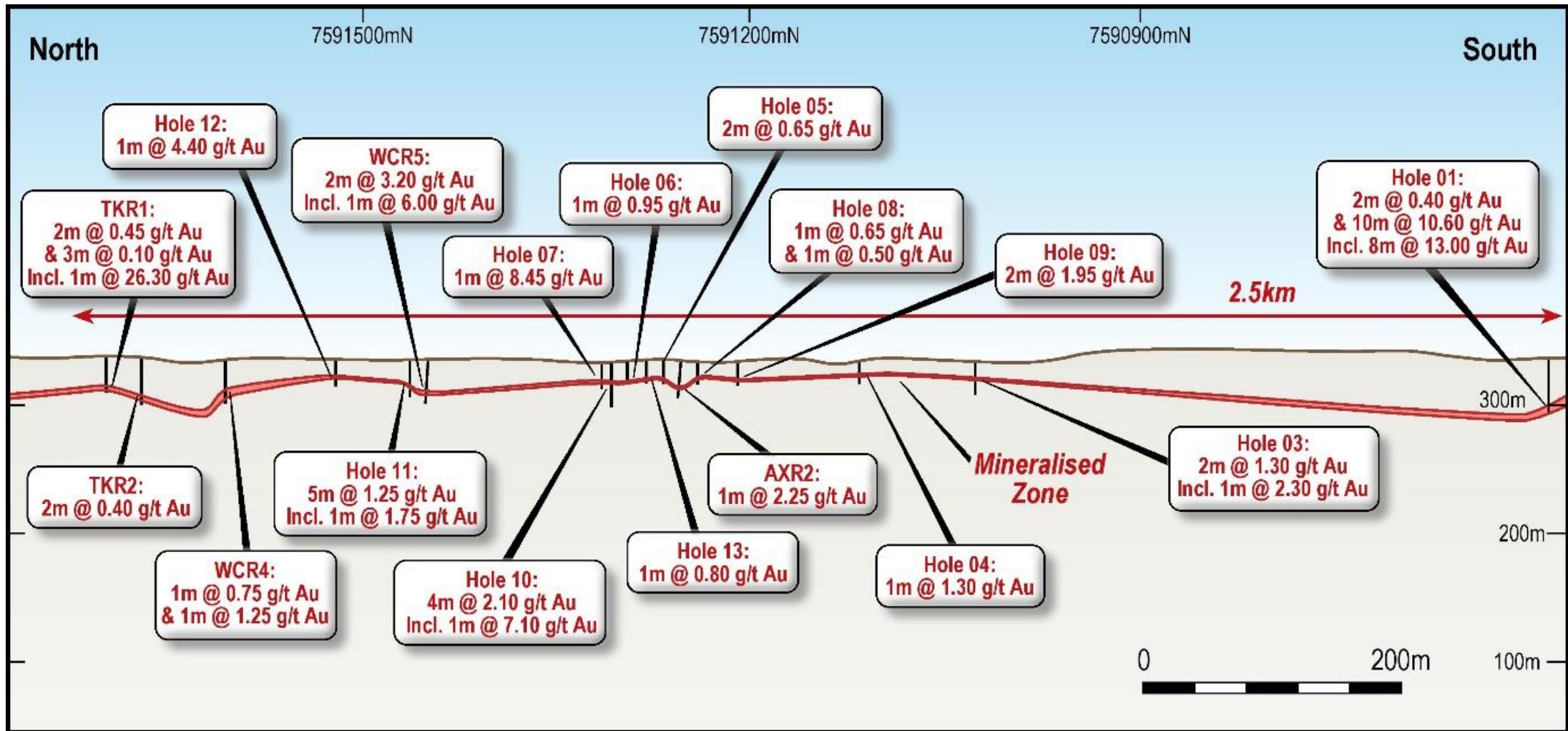


*TMB Tambourah Goldfield Historic Mines Long Section*

\*Refer TMB ASX Announcement 24<sup>th</sup> Jan 2022



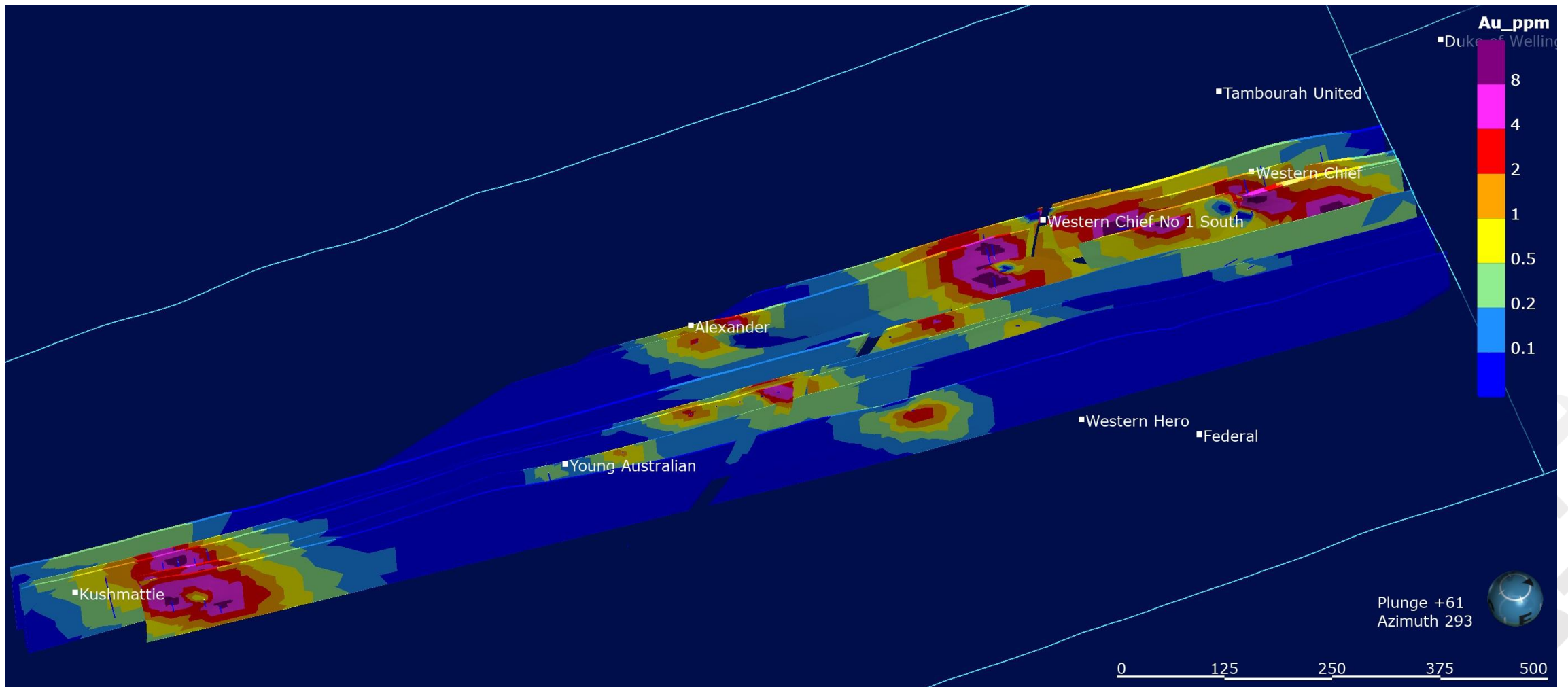
# Long Section



TMB Tambourah Goldfield Historic Drilling Long Section

\*Refer TMB ASX Announcement 24<sup>th</sup> Jan 2022

# Implied 3D Iso-surface Model of Downhole RC Drilling Gold Results



*Interpreted 3D Model with Historic Gold Mines*



# What's Next at Tambourah?

- ✓ Historic Data Compiled, highlights include: The Federal Mine 37.45 g/t. Western Chief 31.41 g/t. Worlds Fair 32.62 g/t
  - ✓ Reprocessing airborne magnetic data completed
  - ✓ Heritage survey commenced
- 
- ✓ Drilling program approved and contracts underway
  - Drill testing will include, the historic gold mines and testing along strike from historic workings
  - Historic research and maps have been cross checked with recent drilling programs
  - The Federal and Worlds Fair mines have not been explored or drilled since 1898
  - The new geophysical interpretation has provided priority target areas
    - Extensions of historic mines
    - New zones of quartz reefs
    - Deeper structures that are coincident with boundary of the granite greenstones
  - TMB will apply modern exploration tools and methodologies to develop the historic mines and expand to new mines

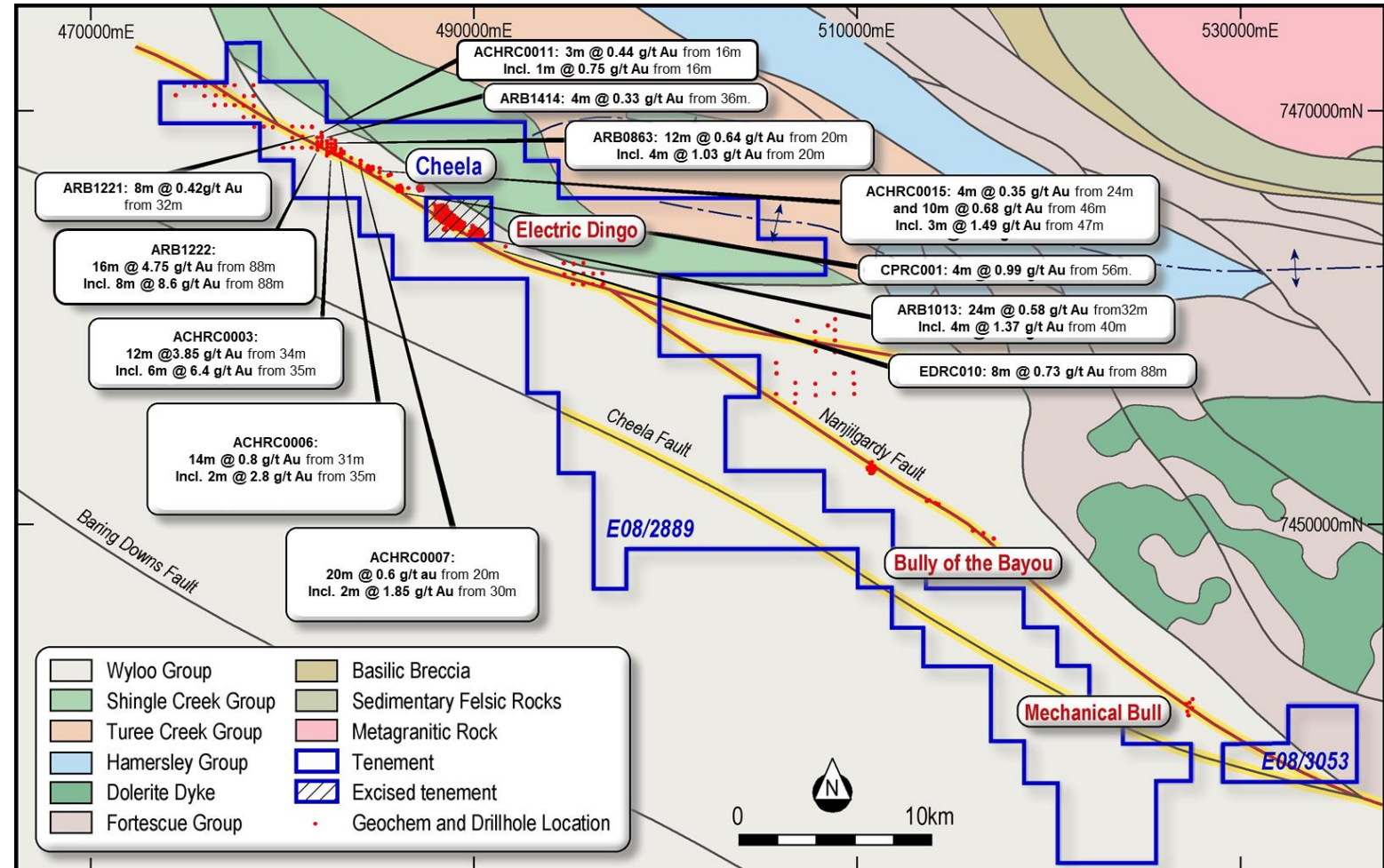


# Cheela Gold Project

- Significant gold interceptions from limited exploration to date (in the last 30 years)
- Cheela is located on an explored major structure hosting 3 gold mines
- Proposed work includes the consolidation of all surveys and digital data sets
- Field mapping and sampling to confirm drill targets within the 200M corridor of the Nanjilgardy Fault

## Significant drilling Intercepts\*

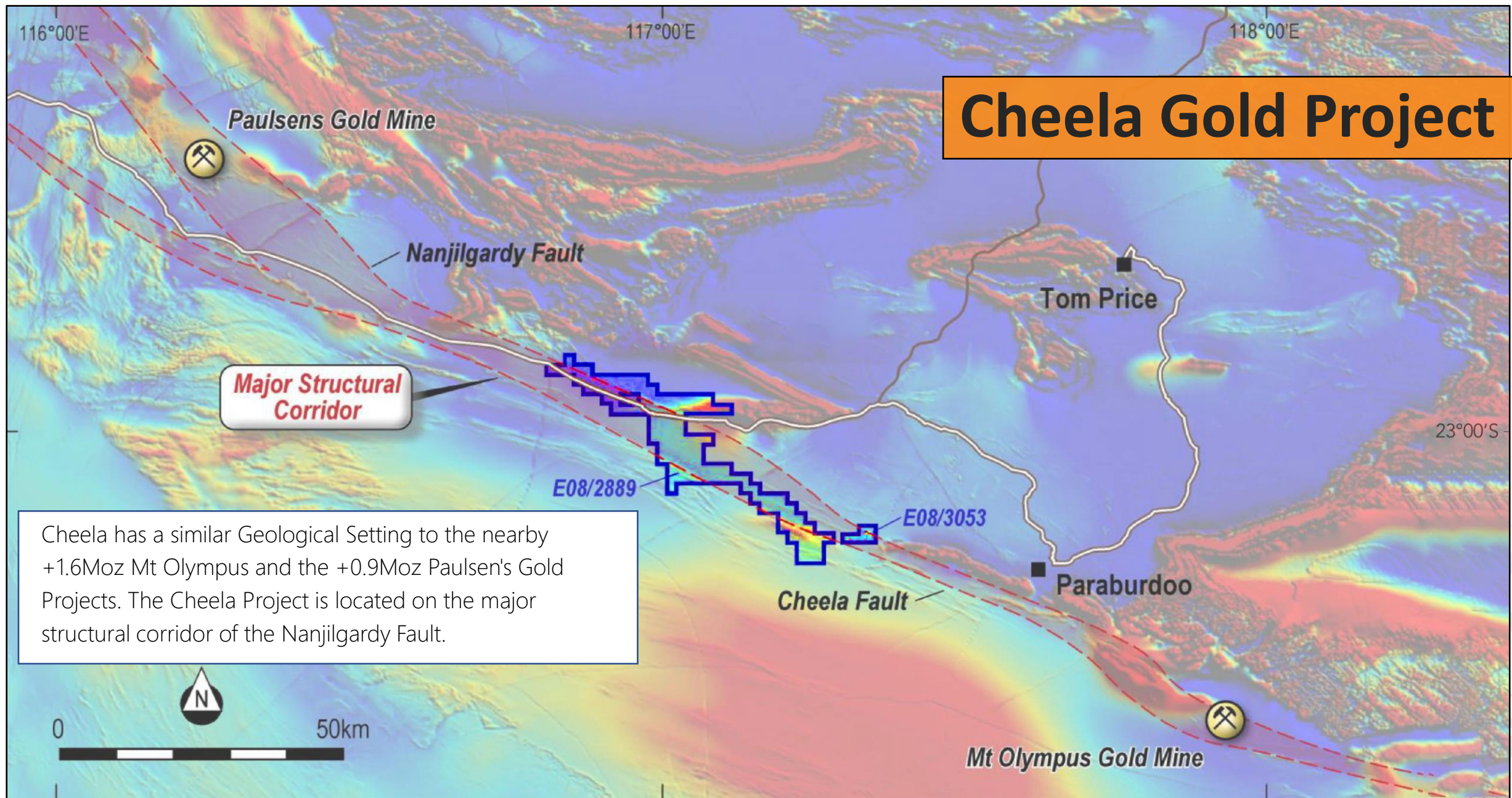
- 16m @ 4.75g/t Au from 88m incl. 8m @ 8.60 g/t Au from 88m
- 12m @ 3.85 g/t Au from 34m incl. 6m @ 6.4 g/t Au from 35m



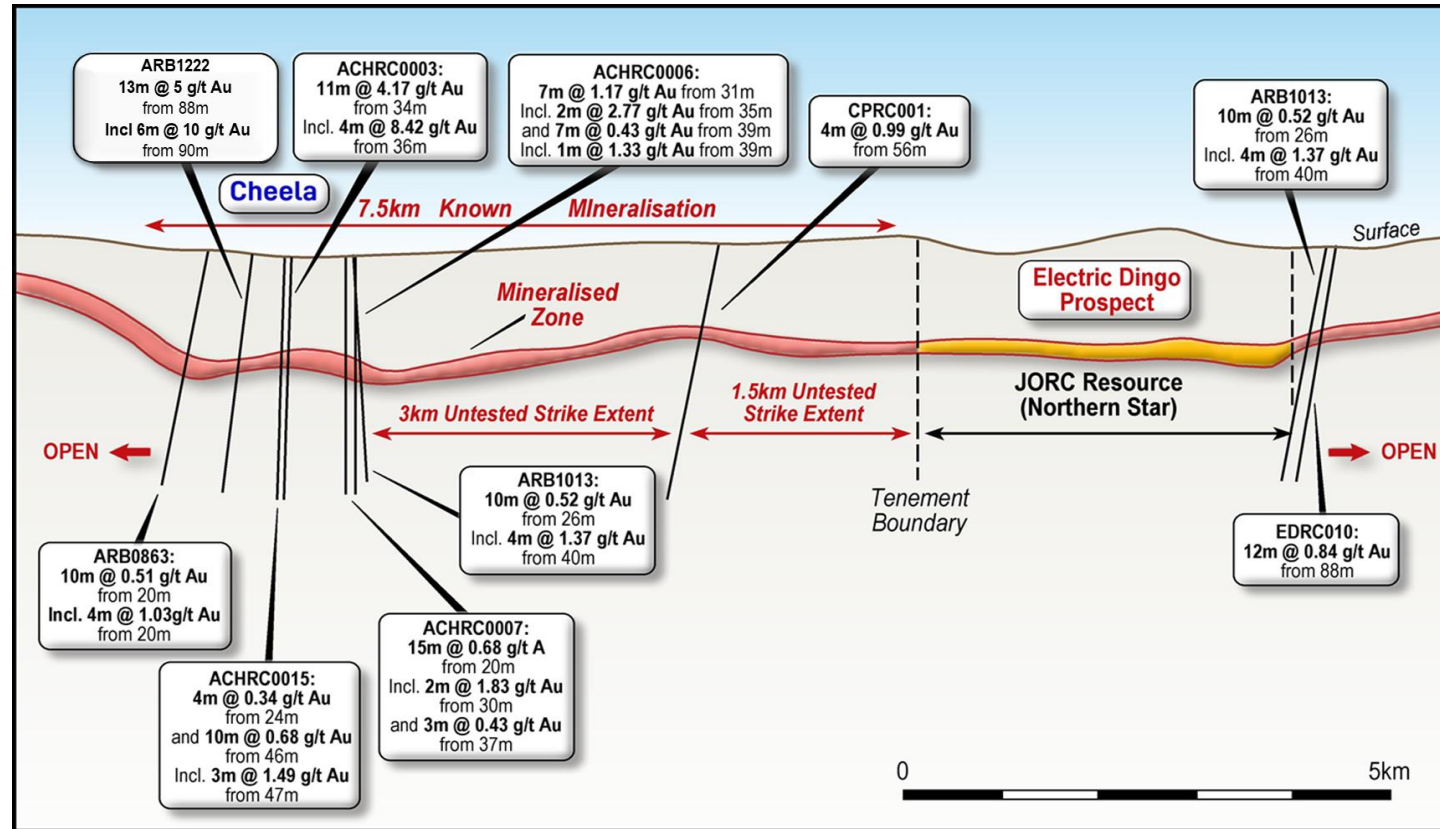
\*Refer TMB prospectus 25<sup>th</sup> June 2021, ASX Release 10<sup>th</sup> August 2021



# Cheela Gold Project



# Cheela Gold Project



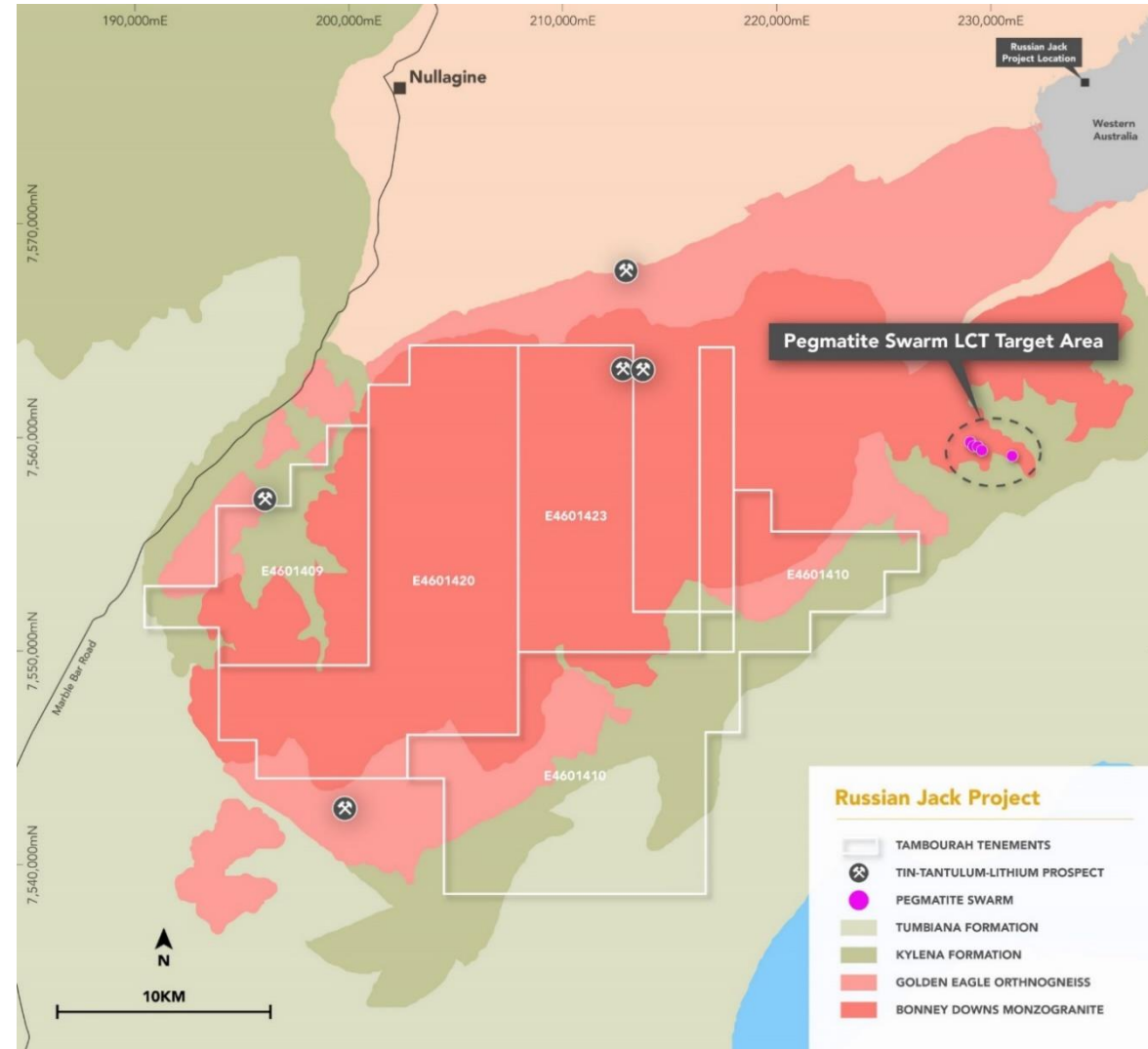
Cheela Gold Project Interpreted Mineralisation - Long Section

The interpreted mineralisation at Cheela is modelled to be flat lying and shallow as shown in the long section\*. Drilling will follow up and work will commence testing existing high grade and anomalous drill hole gold assay results once the heritage survey has been completed.

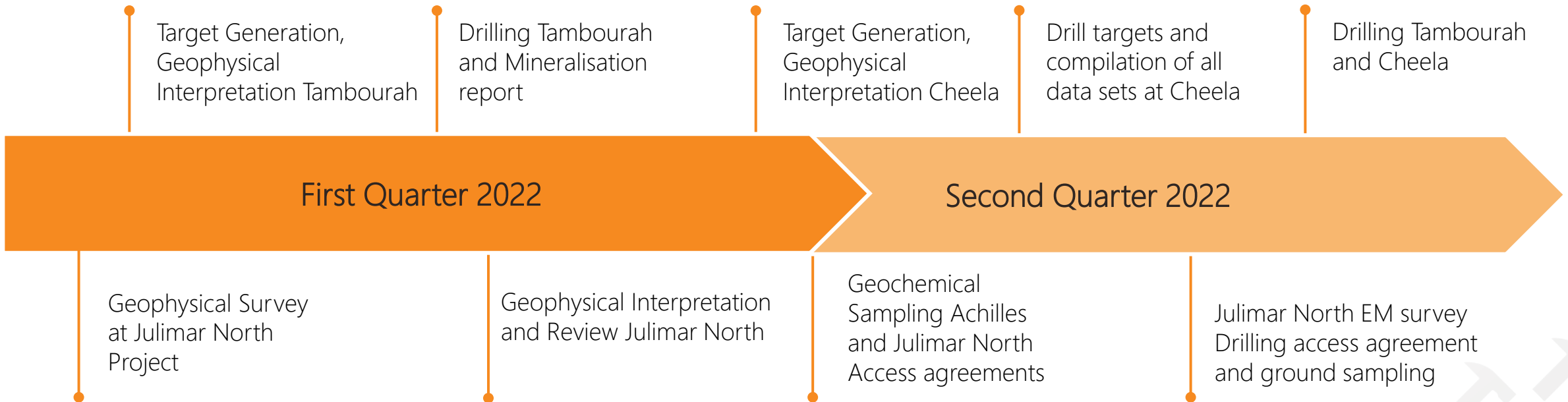


# Russian Jack Lithium Project

- Located 40km south of Nullagine
- The region hosts historic high grade gold production at Nullagine covering an area of 510km<sup>2</sup>.
- Prospective for lithium, tin-tantalum and beryllium
- TMB have commenced reprocessing of historic data using the existing geophysics and hyperspectral data to target prospective pegmatites identified in adjoining tenements.



# Exploration 2022



## Tambourah Gold Project

- Detailed magnetics and EM +/-, gravity, Geospatial surveys
- RC and Diamond Drilling

## Cheela Gold Project

- Detailed magnetics and EM +/-, gravity, Geospatial surveys
- RC and Diamond Drilling

## Julimar North Ni-PGE, Cu Project

- Drilling Target Generation
- Detailed geochemical sampling, detailed magnetics and EM surveys
- RC Drilling

## Achilles EM survey Ni-PGE, Au Project

- Drilling Target Generation and geochemical sampling
- Detailed magnetics and EM surveys
- RC Drilling

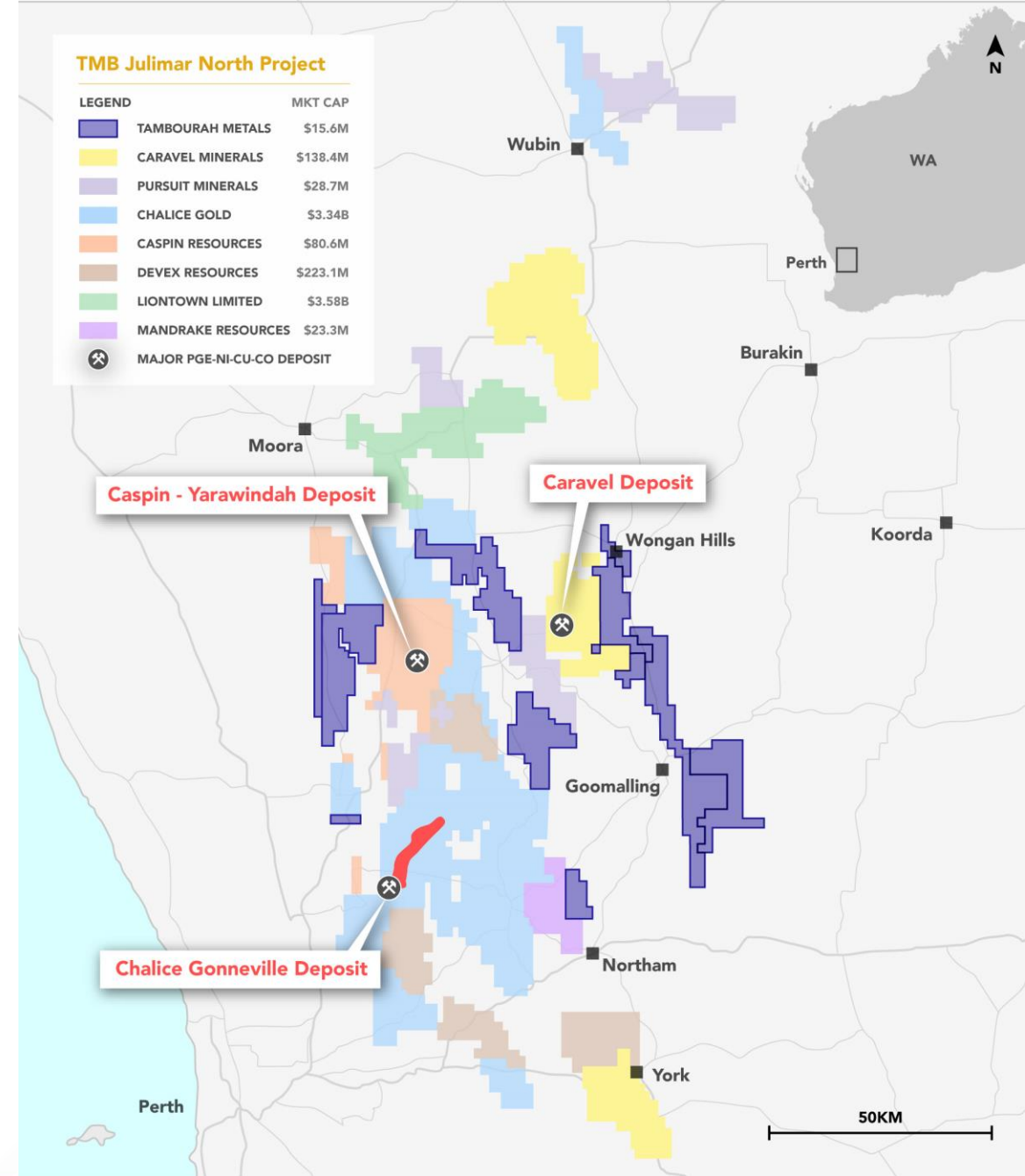
## Russian Jack

- Target generation
- Geophysical interpretation
- AHA agreements
- Sampling
- Data compilation



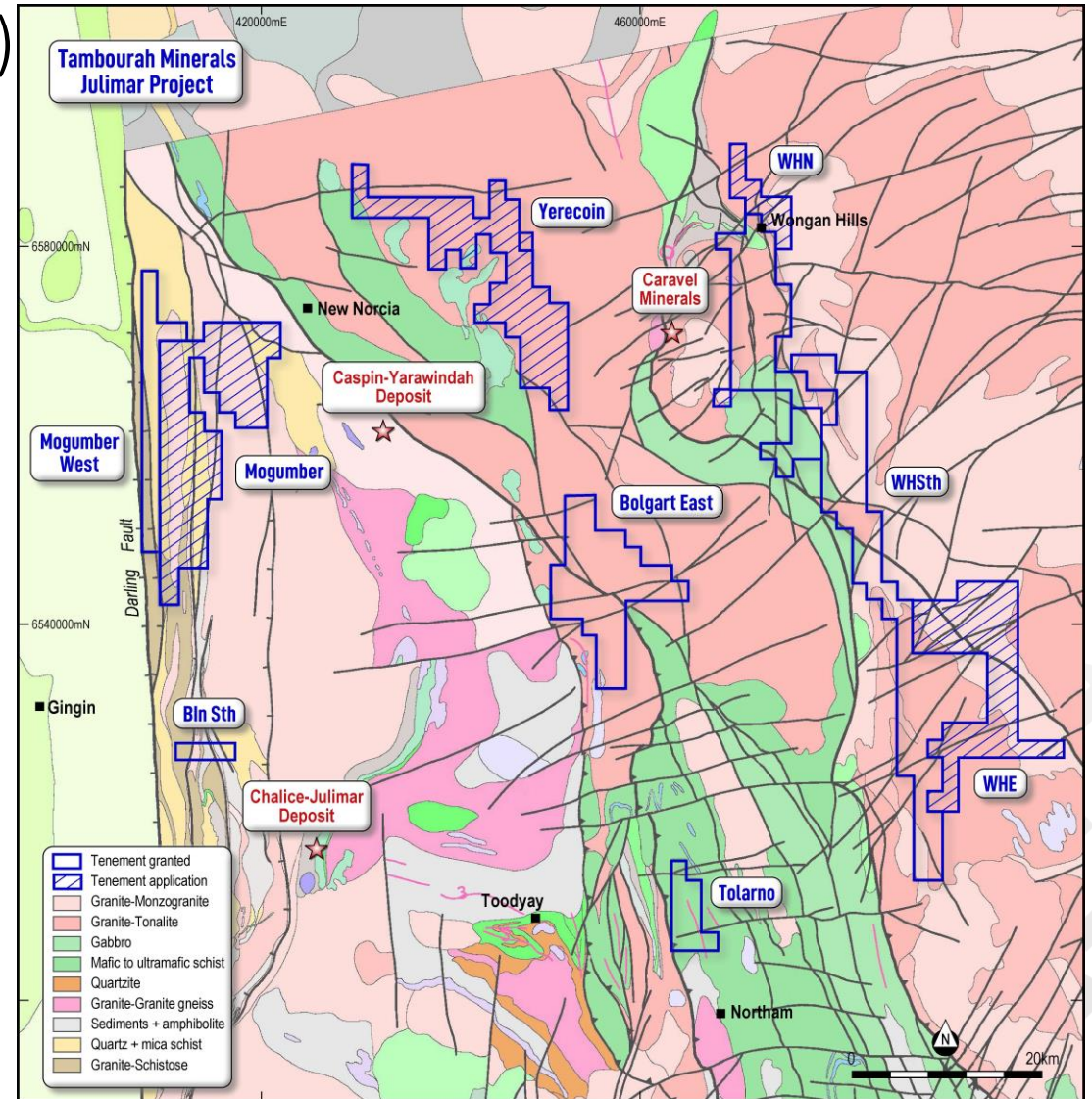
# Julimar North Projects (80%)

- Adding to the Critical Minerals Portfolio
- TMB has a large portfolio in a new mining jurisdiction
- The Bolgart East Project adjoins the Bolgart gold prospects. The area has not been explored for Ni-PGE mineralisation
- The Tolarno project is located 10 km NE of the Newleyine anomaly, which contains a distinct internal structure and this highlights the possibility of Ni-Cu-PGE mineralization in the region
- The Yerracoin and Mogumbar Projects are located 10km East of the Caspin Resources' Yarrawindah Ni-PGE discovery.
- The WH Sth Project is 3 km E of the Cu-Mo-Au Caravel resource (ASX announcement 23<sup>rd</sup> November 2021)



# Julimar North Project (80%)

- The GSWA has remapped the SW Yilgarn district at a scale of 1:100 000. This mapping highlights the presence of ultramafic rocks, prospective for hosting PGE-Ni -Cu mineralisation over significant portions of the TMB Julimar North tenure (see figure 1). TMB is currently compiling all available datasets.
- SW Yilgarn province hosts some of Australia's most important new discoveries
- A Recent PFS by Caravel Resources states that it is the largest undeveloped copper project in Australia
- Chalice (CHN) PGE-Ni Julimar/Gonneville – 2020
- Tambourah are the 2<sup>nd</sup> largest landholder in the Region after Chalice
- The Company has expanded the portfolio with 4 new Es – 100% Tambourah Metals



TMB Julimar SW Yilgarn GSWA 2021 1:100 000 Geology



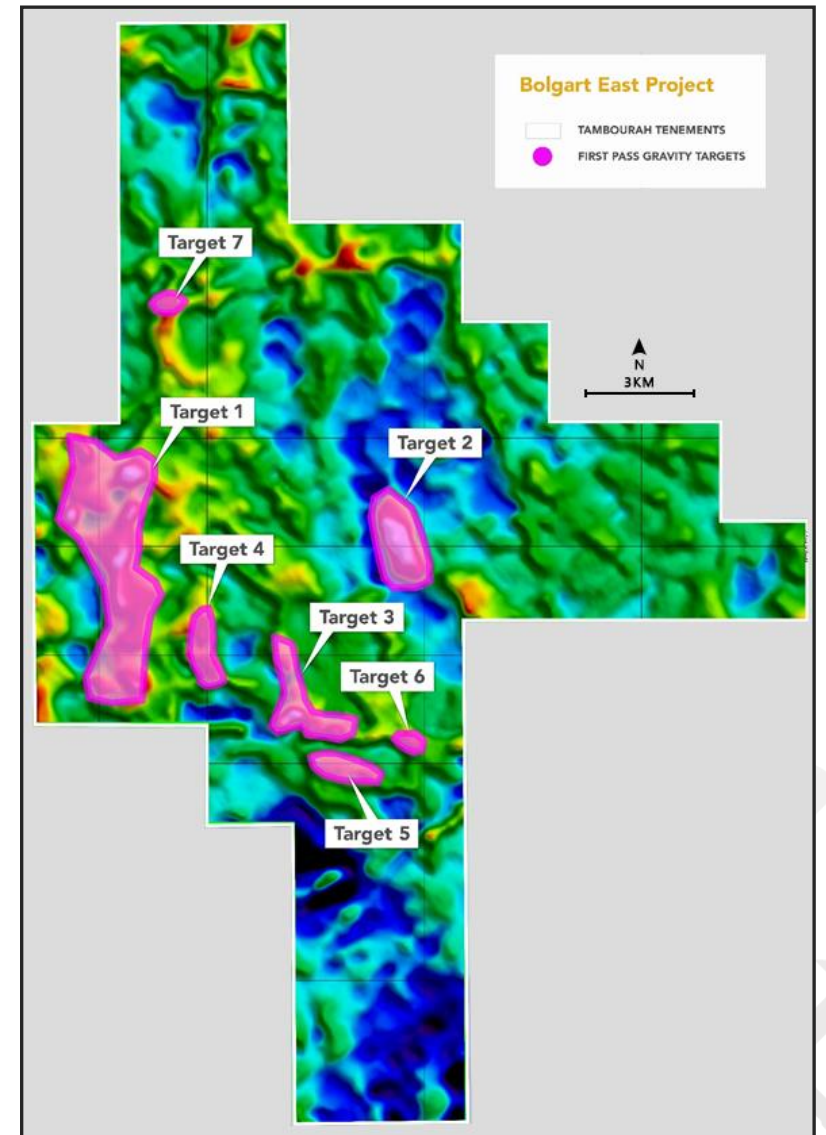
# Bolgart East Exploration

An airborne gravity survey was completed over Bolgart East and Tolarno projects during early November 2021. The data has identified priority target areas. A further ground MLEM survey will test the gravity targets and the Company will commence with follow-up drill targets to be tested Q1/Q2 2022.

## What's next?

- ✓ Gravity Survey Results Received
- ✓ Identification of denser rocks which may host Ni-PGE-Cu mineralisation
- ✓ Interpretation of data Completed
  - ✓ Seven Priority 1 gravity targets
- ❑ Follow up MLEM ground survey target areas
- ❑ Engage drilling contractors for Q1/Q2 programs
- ❑ AC/RC drilling
- ❑ Access agreements have commenced

\*Refer TMB ASX Announcement 28<sup>th</sup> Jan 2022



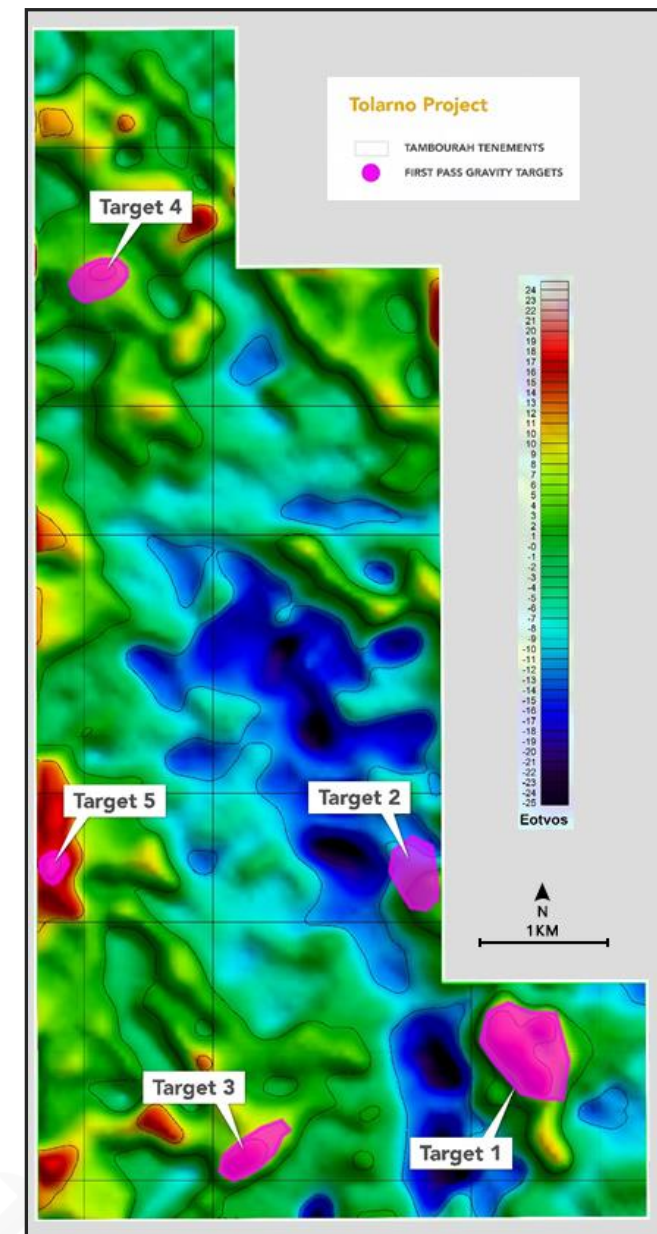
Tambourah Metals Bolgart East Geophysics (Magnetics) and Preliminary Targets

# Tolarno Exploration

## What's next at Tolarno

- ✓ Gravity Survey Results Received
- ✓ Identification of denser rocks which may host Ni-PGE-Cu mineralisation
- ✓ Interpretation of data Completed
  - ✓ Five Priority 1 gravity targets
- Follow up MLEM ground survey target areas
- Engage drilling contractors for Q1/Q2 programs
- AC/RC drilling
- Access agreements have commenced

\*Refer TMB ASX Announcement 28<sup>th</sup> Jan 2022

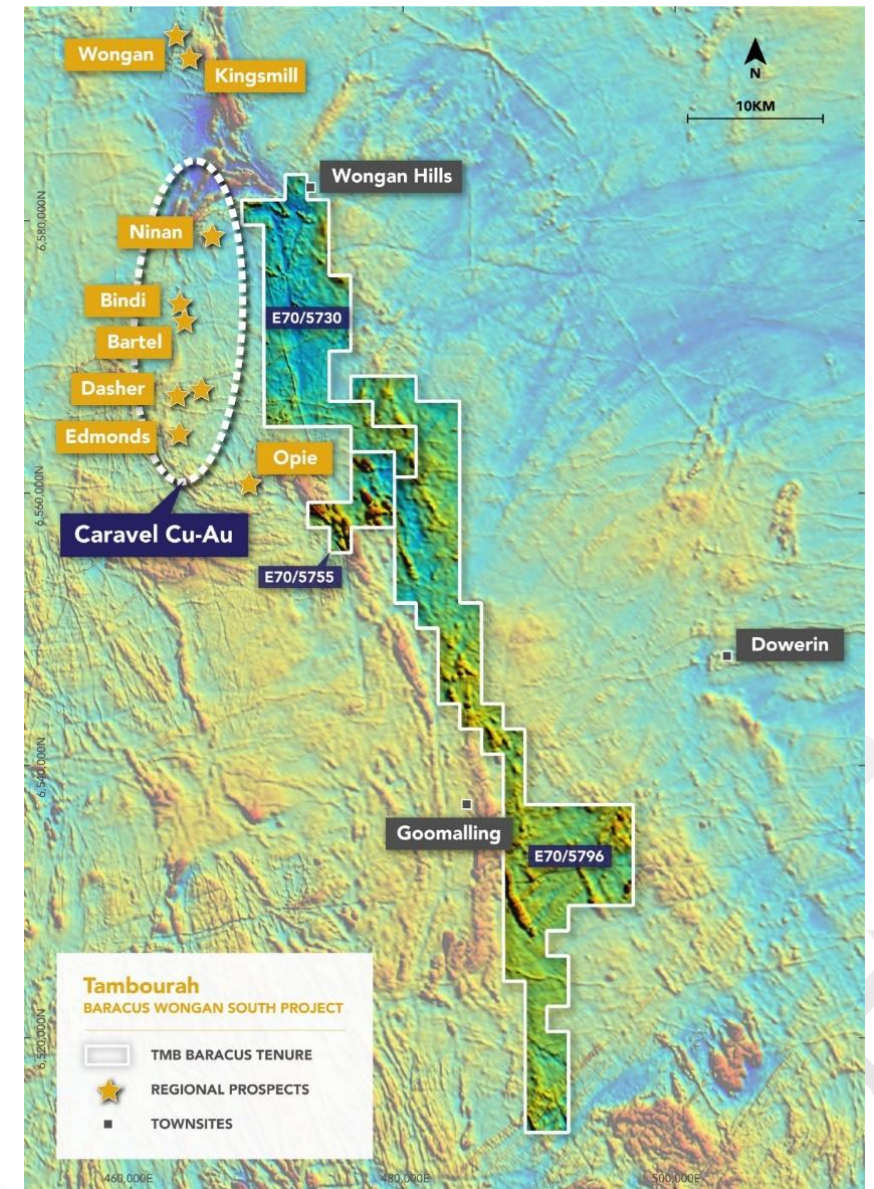


Tambourah Metals Tolarno Geophysics (Magnetics) and Preliminary Targets



# WH Sth Project

- The WH Sth project is located within 3km of the Caravel Minerals recently released Cu-Au-Mo resource (see Caravel Mineral).
- The WH Sth project<sup>1</sup> has been reviewed with the new GSWA mapping
- The project area is highly prospective for Cu-Au & Ni-PGE
- Tambourah Metals Ltd have a controlling interest in three exploration licenses at Wongan Hills South
- Tambourah has applied for 2 new exploration licenses
- The additional tenement package is less than 3km east of Caravel Minerals Cu-Au-Mo project.
- A geophysical consultant has developed the targets and interpreted priority exploration targets for Cu-Au and PGE-Ni. The results will be completed shortly.



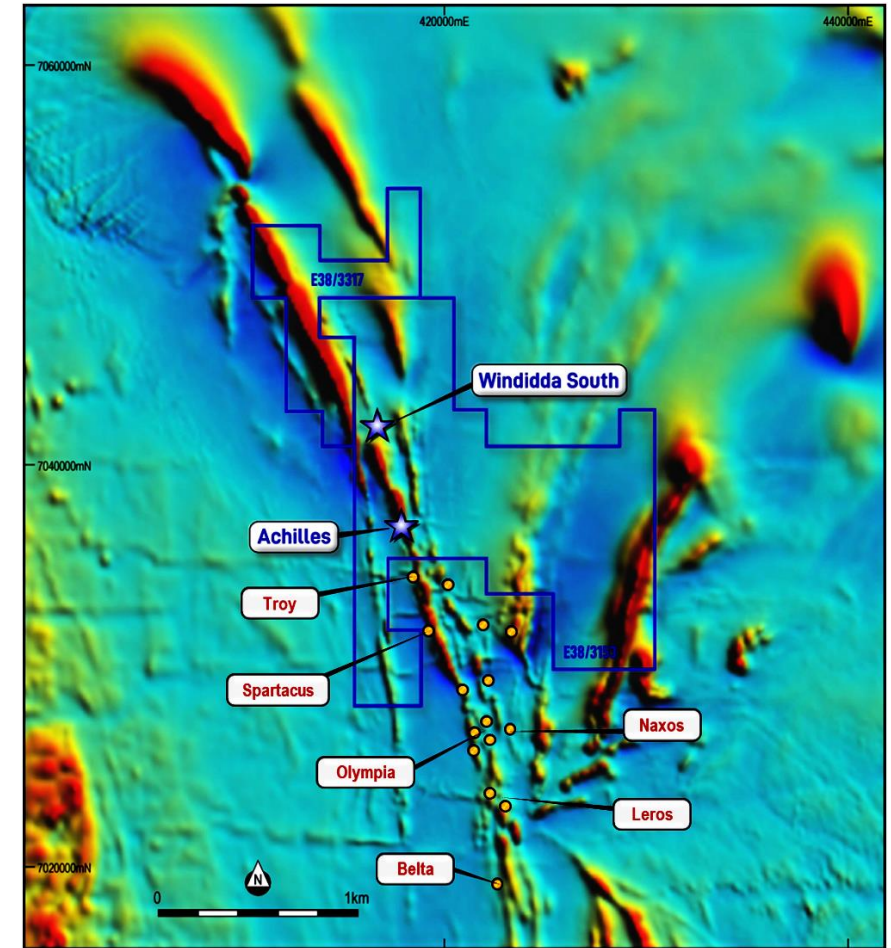
WH Sth Project Tenements on TMI Magnetics



# Planned Work at Achilles Project

## Achilles project

- Historic drilling within the tenements identified mineralised ultramafic units and intersected a thick porphyry unit that may represent potential remobilization of Ni-PGE, Cu sulphides
- Limited exploration in this region to date
- Compilation of all data sets and review of all previous drilling include all anomalous Ni-PGE has commenced
- AHA agreements underway
- Recent announcements by Rumble Resources (RTR) have highlighted the Northern Windida Project area as possibly prospective for zinc and lead





# Summary

- Tambourah is well-funded to complete their exploration plans to develop their advanced gold projects
- The new targets at Julimar for Ni-PGE-Cu-Au will be tested in the next quarter
- The battery metals market outlook is driving the growth in exploration for lithium, nickel, PGEs and rare earths
- With a rich endowment of precious and critical minerals
- Western Australia is well placed to capitalize on this demand
- Tambourah has the ability to develop projects and we have boots on the ground
- Details of the advanced gold projects at Tambourah can be found at [www.tambourahmetals.com.au](http://www.tambourahmetals.com.au)



# Tambourah

Metals Ltd

## DIRECTORS

Ms. Rita Brooks – Executive Chairperson  
Mr. Ben Donovan – Non-Executive Director  
Mr. Chris Ramsay – Non-Executive Director  
Mr. Graeme Smith – Company Secretary

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