

# Tambourah Metals Ltd AGM Project update

Tuesday 29<sup>th</sup> November 2022





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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;
- iv. risks related to commodity price and foreign exchange rate fluctuations;
- 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 Kelvin Fox exploration manager of the company, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Kelvin Fox 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 Kelvin Fox consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Authorised by the Board of Tambourah Metals Ltd.

# 2022 Highlights-Exploration

Tambourah Metals Ltd is developing a portfolio of advanced Gold and Critical Minerals Projects in Western Australia.

## At Julimar TMB

- Completed Airborne Gravity Gradiometer and MMT surveys at Julimar Nth and WH Sth

## At our namesake Tambourah Goldfield

- Completed maiden drilling Program at Tambourah Gold
- Identified Lithium bearing pegmatites at Tambourah
- Expanded Lithium exploration at East Pilbara-Russian Jack and Nullagine
- Identified REE at the Achilles project in NE Goldfields





# Board and Management



Rita Brooks  
**Executive Chairperson**



Chris Ramsay  
**Non-Executive Director**



Ben Donovan  
**Non-Executive Director**



Caue Paul Araujo  
**Managing Director**



Peter Batten  
**Non-Executive Director**



Graeme Smith  
**Company Secretary**



# Corporate Overview

CAPITAL STRUCTURE	CURRENT
SHARE PRICE <sup>1</sup>	0.15c
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) <sup>1</sup>	9.1 M
CASH <sup>2</sup>	\$4.2 M
DEBT	NIL
OPTIONS ON ISSUE <sup>3</sup>	11.7 M

## TMB: SHARE PRICE PERFORMANCE



1. Share Price based on closing price on November 28th.

2. Cash amount as at October 30th. 3. Unlisted broken management options, exercisable at \$0.25 each exp 31/12/2024. \$0.5 M unlisted options are under escrow until August 10th 2022. \$11.2 M unlisted options are under escrow until 10 August 2023.



# ESG – Sustainability



## ENVIRONMENT

Commitment to minimise ground disturbance, CO2 emissions & water usage in exploration activities



## SOCIAL

Continued engagement with local suppliers and recognising Traditional Owners and Native Title Agreements



## GOVERNANCE

Integrate best practice environmental and social standards into corporate governance principles



# Investment Summary



## PILBARA GOLD

- Over 10 Million ounces of gold has been discovered in the last 10 years.
- Three Gold Projects in the Pilbara Region Tambourah, Cheela and Nullagine
- Positive results from maiden drilling program completed at Tambourah Gold Project Additional Drilling planned for Q1/Q2 2023



## CRITICAL MINERALS

- Three Lithium Projects in the Pilbara Region, which hosts two Tier 1 world class lithium mines
- Two exciting Ni PGE Cu Au projects at Julimar North and Achilles in the NE Goldfields
- Exploration Rare Earth Elements (REE) at Achilles and Adam Range



## KEY FUNDAMENTALS

- Experienced Board and management
- Strong business strategy to contribute to a growing demand for renewable energy.
- Developing advanced gold mining projects in Tier 1 mining regions
- High standards for Work Health and Safety, Environmental, Social (Community Relations) and Governance



# Lithium Exploration 2022

- At Tambourah lithium bearing pegmatites identified.
- At Russian Jack, over 300 square kilometres is prospective for hosting Lithium bearing pegmatites. New hyperspectral data has identified extensive areas to investigate.
- Nullagine lithium project will be developed upon grant.

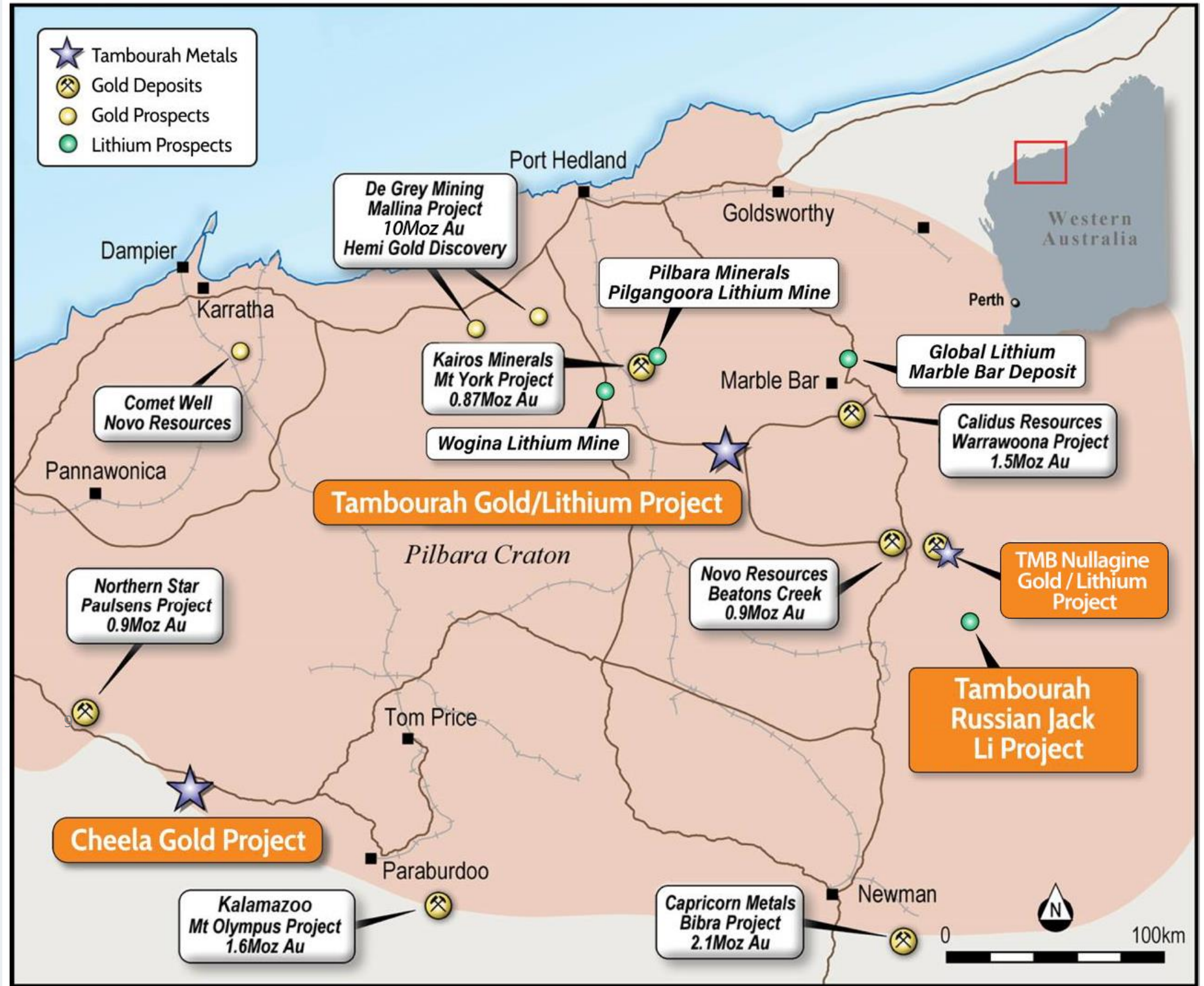




# Pilbara Region

## TMB PROJECTS

Russian Jack	Lithium
Nullagine	Gold-Lithium
Tambourah	Gold-Lithium
Cheela	Gold

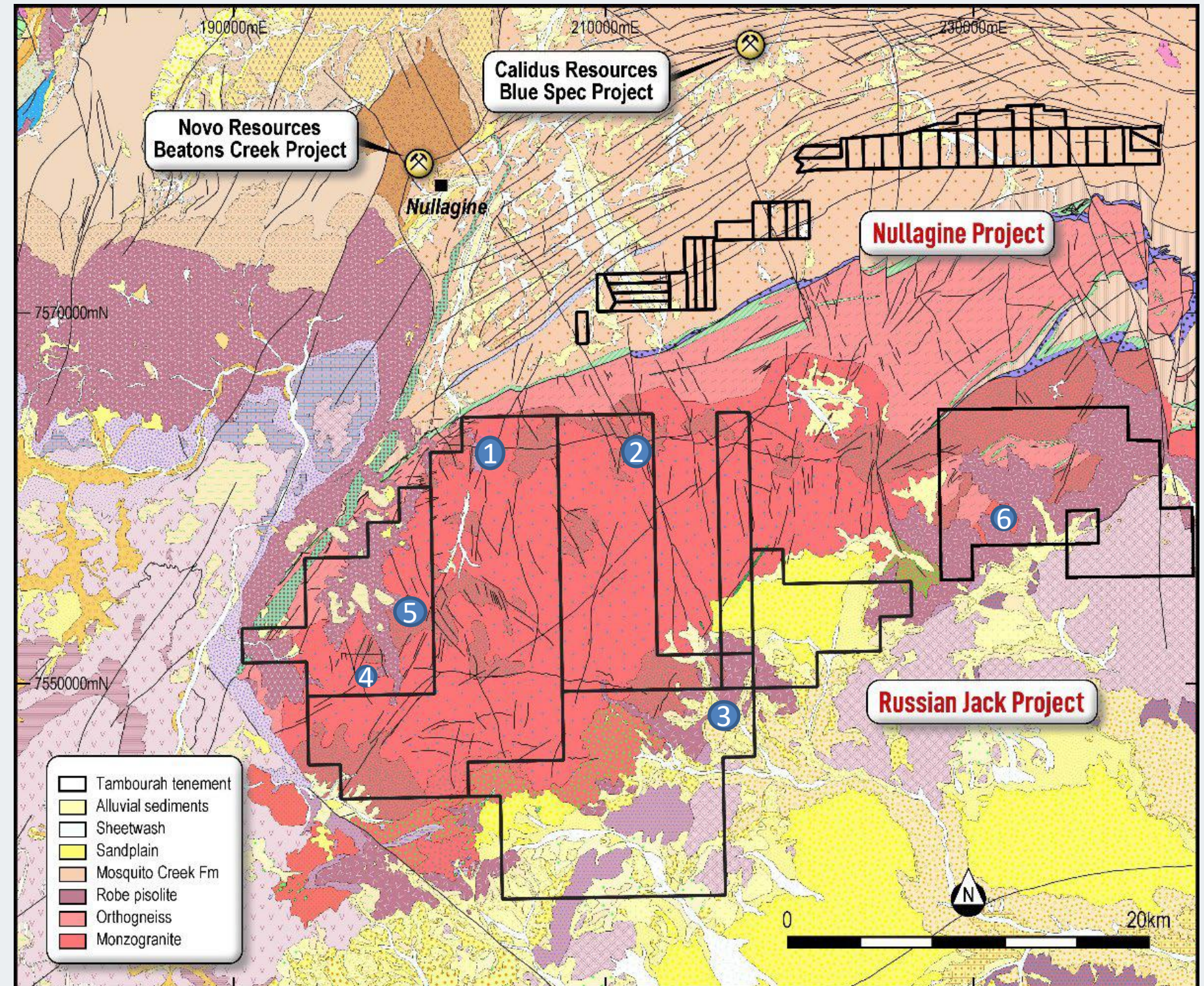


Tambourah Metals Pilbara Projects – Location Map



# Russian Jack Lithium Exploration

- Tambourah has two extensive projects exploring for lithium in the Pilbara.
- Tambourah is exploring for lithium in the Split Rocks Granite Supersuite within the Pilbara.
- Wodgina and Pilgangoora are tier 1 lithium mines located within the Pilbara.
- Pegmatites have been identified in the Nullagine goldfield.
- Lithium pegmatites have been sampled at Russian Jack and historic sampling at Nullagine has identified potential lithium bearing pegmatites.
- 1-6 pegmatite locations



Nullagine & Russian Jack Tenements and Geology



# Russian Jack Pegmatite Swarms

- TMB confirmed a strike length of over 500m of LCT prospective pegmatites
- Sampling at the RJ 101 project confirmed multiple pegmatites
- Anomalous assay results for lithium bearing pegmatites in the northern portion of E 46 / 1420 (RJ 101 project)

Sample ID	Easting	Northing	Li	Rb
RJRK001	202338	7564268	<b>455</b>	<b>1930</b>
RJRK002	202346	7564245	<b>571</b>	<b>1390</b>
RJRK003	202417	7564199	169	<b>1570</b>
RJRK004	202421	7564173	<b>1420</b>	<b>1840</b>
RJRK005	202446	7564114	<b>244</b>	618
RJRK006	202254	7564417	123	656
RJRK007	202373	7564431	49.6	452

Table 1: Russian Jack Rock Chip Sample Results

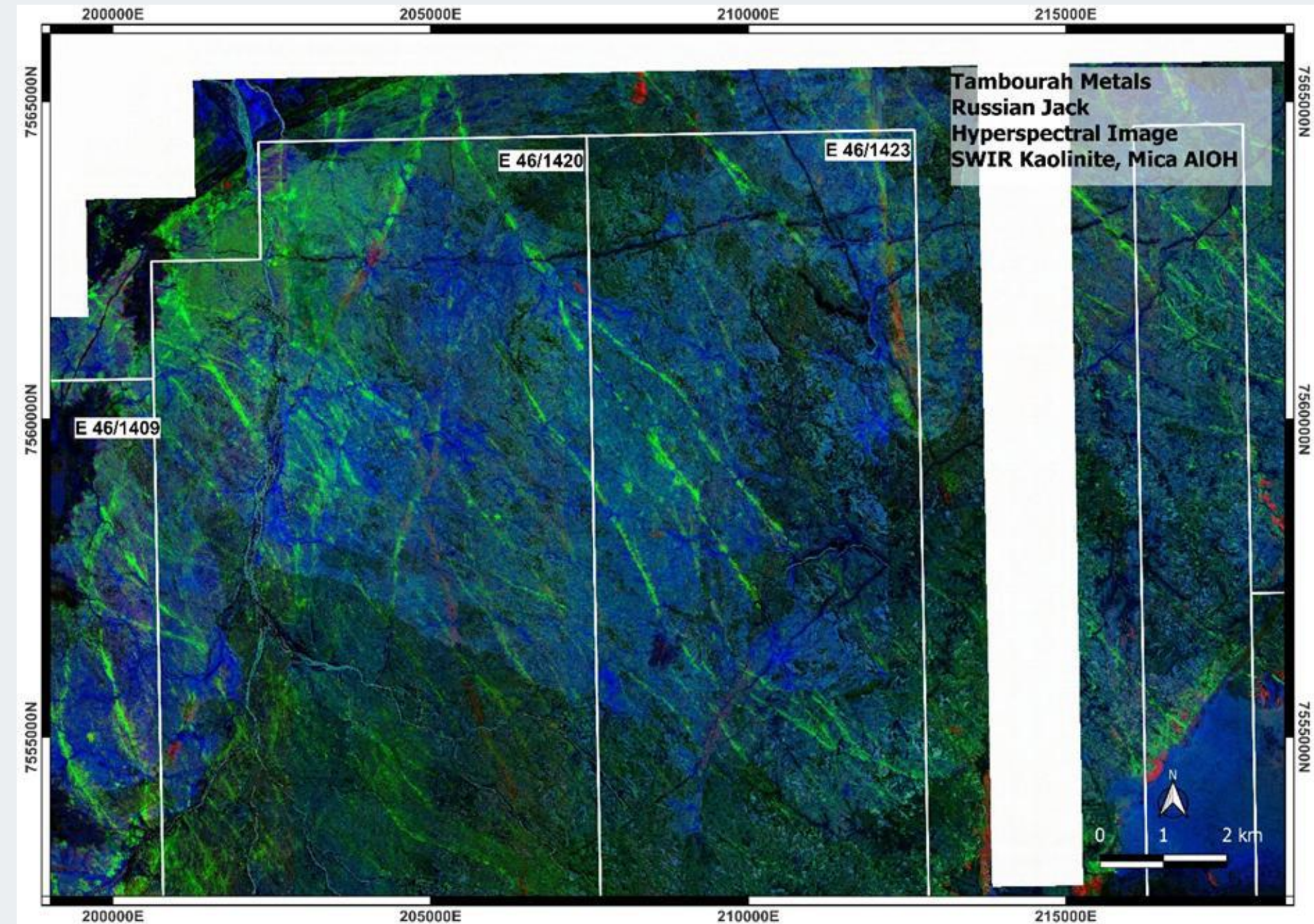


Pegmatites at Russian Jack Project



# Russian Jack

- The Russian Jack project is 15 km SE of Nullagine.
- Wodgina and Pilgangoora are tier 1 lithium mines located within the Pilbara.
- Tambourah is exploring for lithium in the Split Rocks Granite Supersuite at Russian Jack.
- Lithium pegmatites have been sampled at Russian Jack.
- The hyperspectral features are within the Bonney Downs Monzogranite which is part of the Split Rocks Supersuite known for hosting of pegmatites. Hyperspectral analysis was first applied to diamond exploration and has not seen widespread industry use in the search for pegmatites, however the hyperspectral features generated from the analysis confirm the 300km<sup>2</sup> prospectivity of the Bonney Downs Monzogranite at Russian Jack.
- ASX Announcement 21st November 2022



Russian Jack Hyperspectral Image of Shortwave Micas



# Tambourah Lithium Exploration

Tambourah geologists have since completed a second field trip to the Tambourah Mineral Field. New pegmatites were identified, mapped and sampled with several of these pegmatites being in the preferred G2 orientation. The samples are located proximal to the granite-greenstone contact that is becoming a regionally significant pegmatite exploration target. The sample locations of these 21 samples are also shown in figure 2.

Work at EL 45/5497 will continue in Q1 2023.

Pegmatites have been identified during helicopter based reconnaissance and this will be followed up in 2023.



Figure 1: Tambourah Pegmatites 725916mE/7588001mN

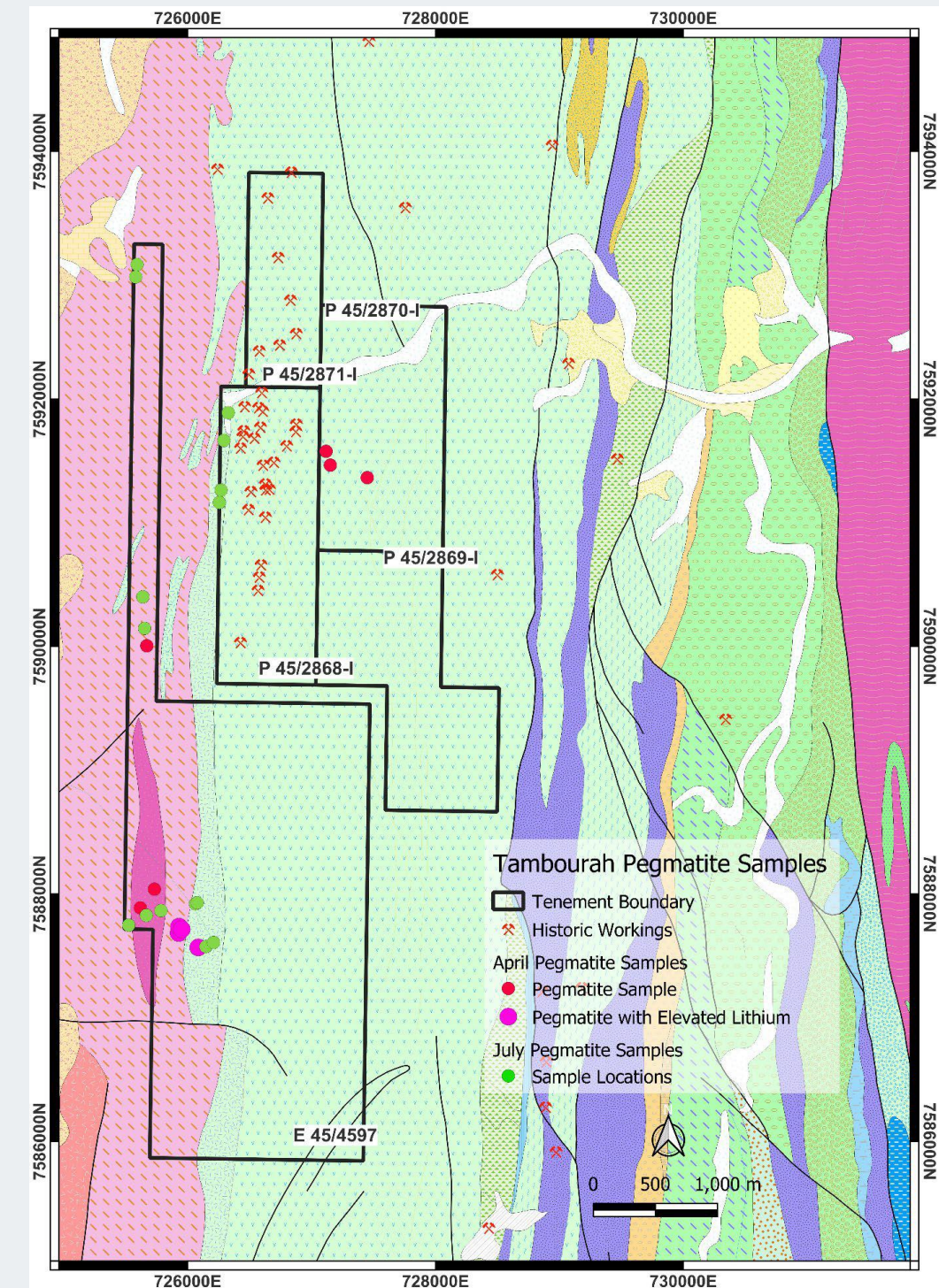
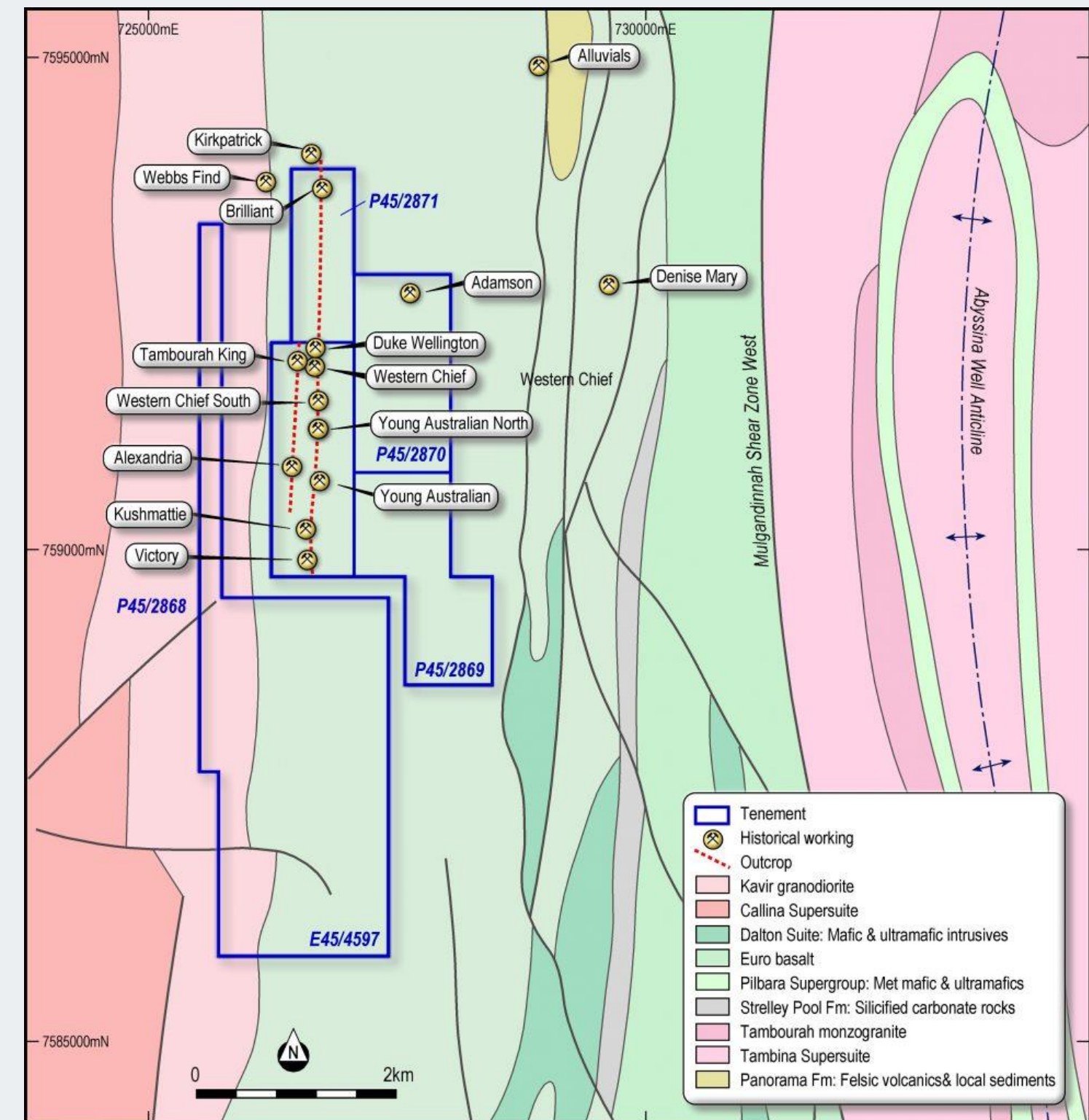


Figure 2: Tambourah Pegmatite Locations



# Gold Exploration at Tambourah

- Gold was discovered in the 1890s and high-grade gold in quartz veins was mined by prospectors.
- Tambourah Metals has consolidated the goldfield. The company has 4km of strike including numerous historic gold mines.
- The region has had limited exploration in the last 30 years.
- First drill results at Federal includes 1m@5.31g/t Au (TBRC015)
- High Grade Gold Intercepts from the 2022 RC drilling at Tambourah include:
  - 22m @1.38g/t Au; incl. 3m@7.78g/t Au; and 2m@6.57g/t Au (TBRC002)
  - 2m@3.77g/t Au (TBRC003)
  - 2m@1.63g/t Au; and 6m@ 1.03g/t Au (TBRC018)
- Reprocessing the magnetic and radiometric data completed
- Field work included sampling of pegmatites
- Completed drilling at:
  - Tambourah King , Western Chief , Western Chief South, Federal, Kushmattie



Tambourah Historic Goldfields Location Map



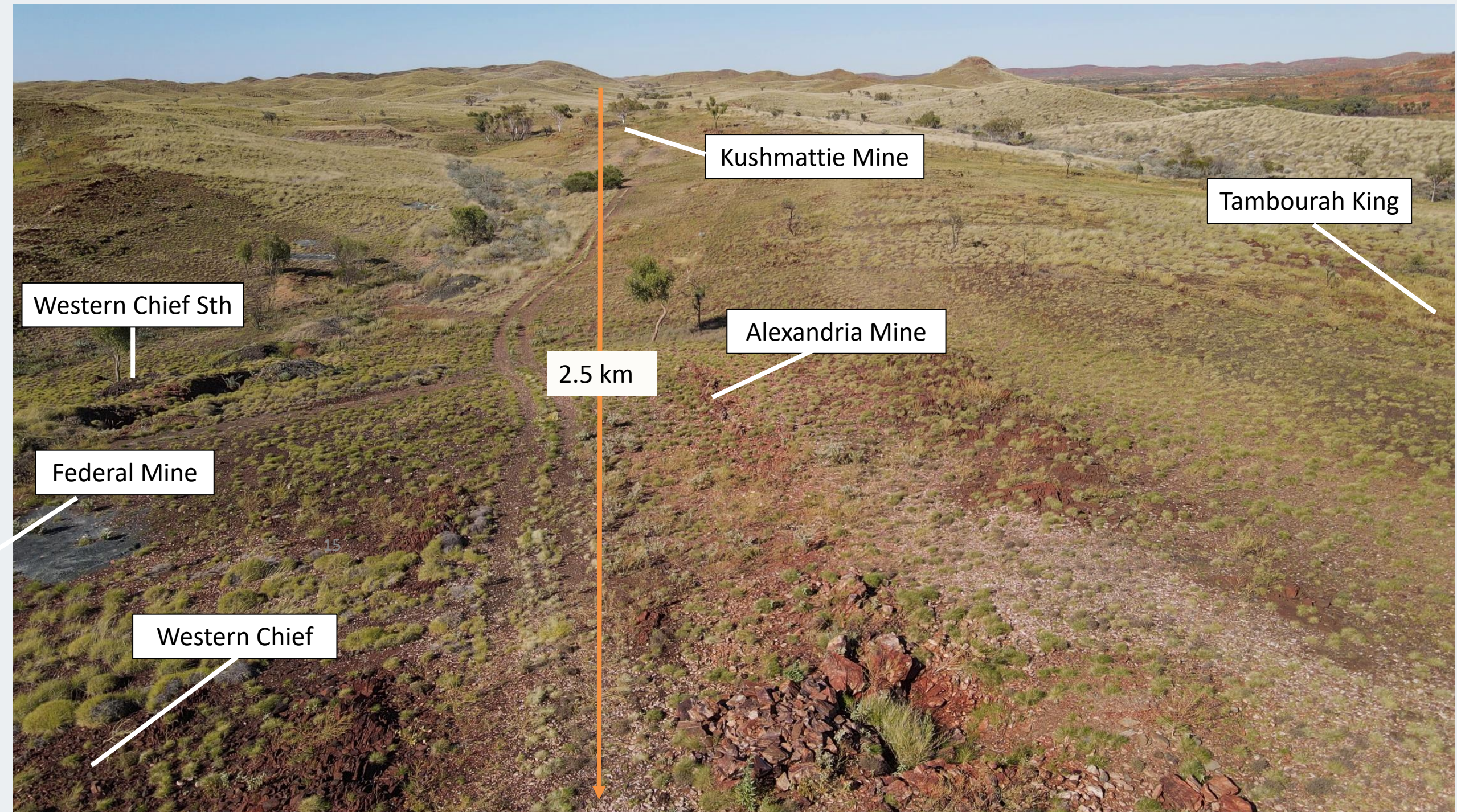
# Gold Mines at Tambourah

- Drilling at Tambourah at selected historic gold mines.
- Significant drill results at TMB King<sup>1</sup>.
- 2.5km strike length from Kushmattie to Western Chief.

## Follow up work:

- Mining lease applications.
- Commence IP survey to identify extensions of disseminated sulfide, which hosts the gold mineralisation.
- Heritage Clearance & Drilling.
- IP survey and a second round of RC drilling to follow up the RC drill results.

1. Tambourah Metals (TMB) ASX announcement 14th June 2022



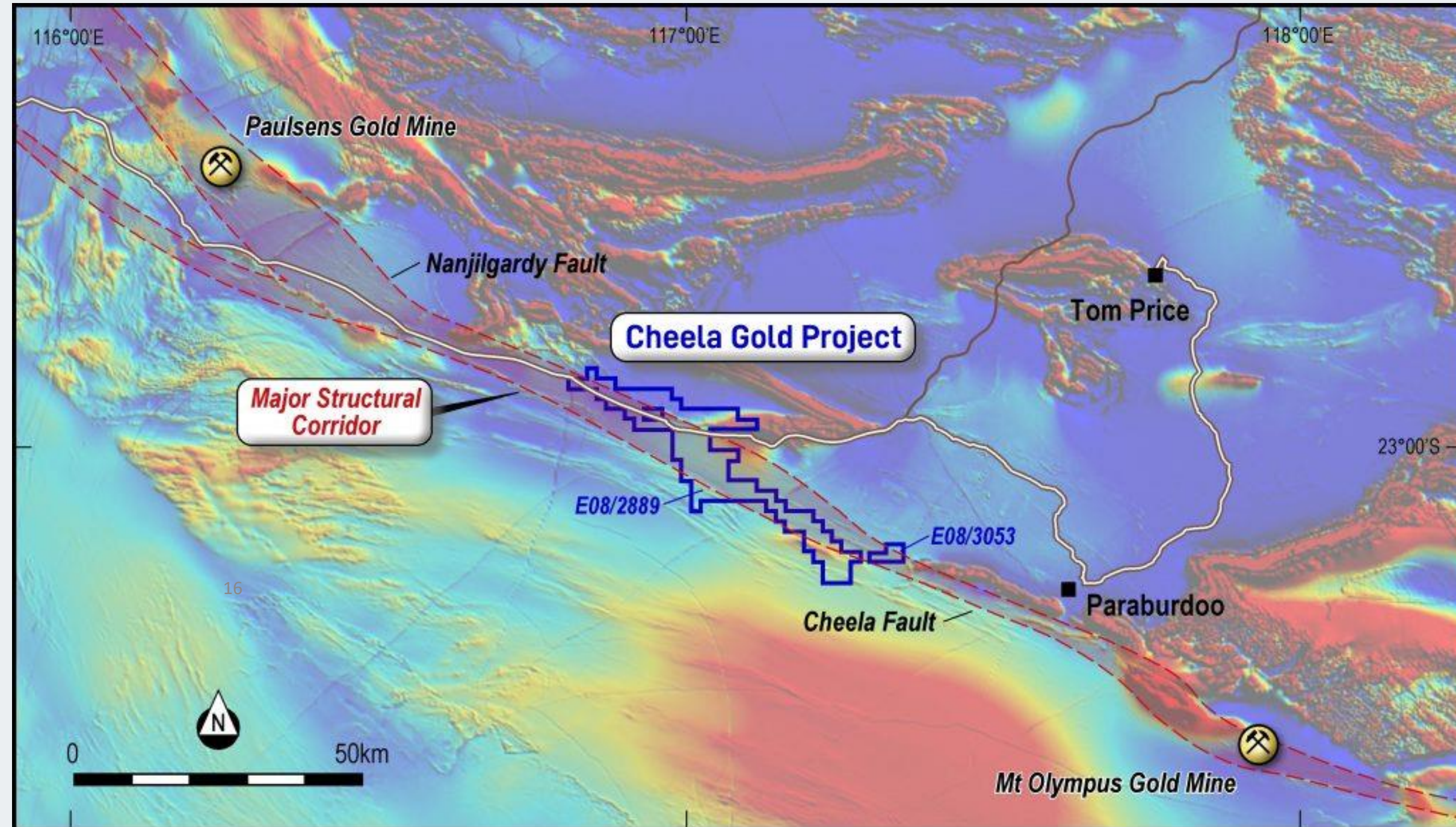
Tambourah Historic Goldfields Location Photo



# Cheela Gold Project

Located on the Nanjilgardy Fault, that hosts over 3 million oz of gold.

- Tambourah Cheela project has over 70km of strike along the fault.
- Paulsens Gold Mine – 900,000 oz
- Mt Olympus Gold Mine – 1.6 million oz
- Capricorn Metals<sup>1</sup>, Karlawinda Gold Mine – 2.1 million oz is located at the southern end of the Nanjilgardy Fault, 300km from Cheela



Cheela Gold Project Location

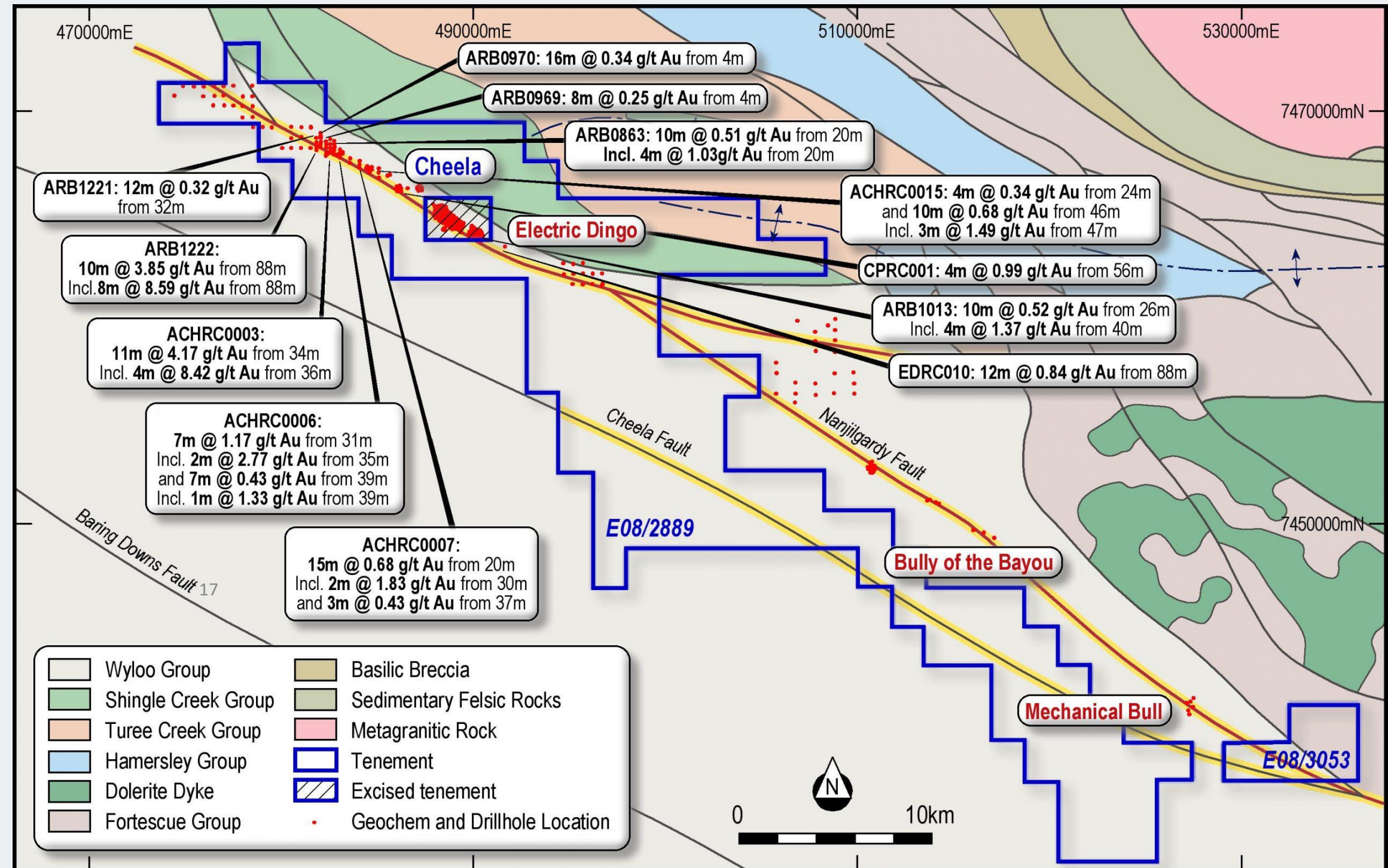
1. Capricorn Metals (CMM) ASX announcement 17th April 2020



# Cheela Gold Project

Historic grades of gold identified from drilling over the last 20 years include:

- 8m @ 8.59g/t Au from 88m
- 11m @ 4.17g/t Au from 36m
- TMB has approved drill programs to explore at Cheela once heritage clearances are completed.
- Cheela South has extensive historic stream sediment sampling and the prospects will also be included when evaluating the gold potential of this area.

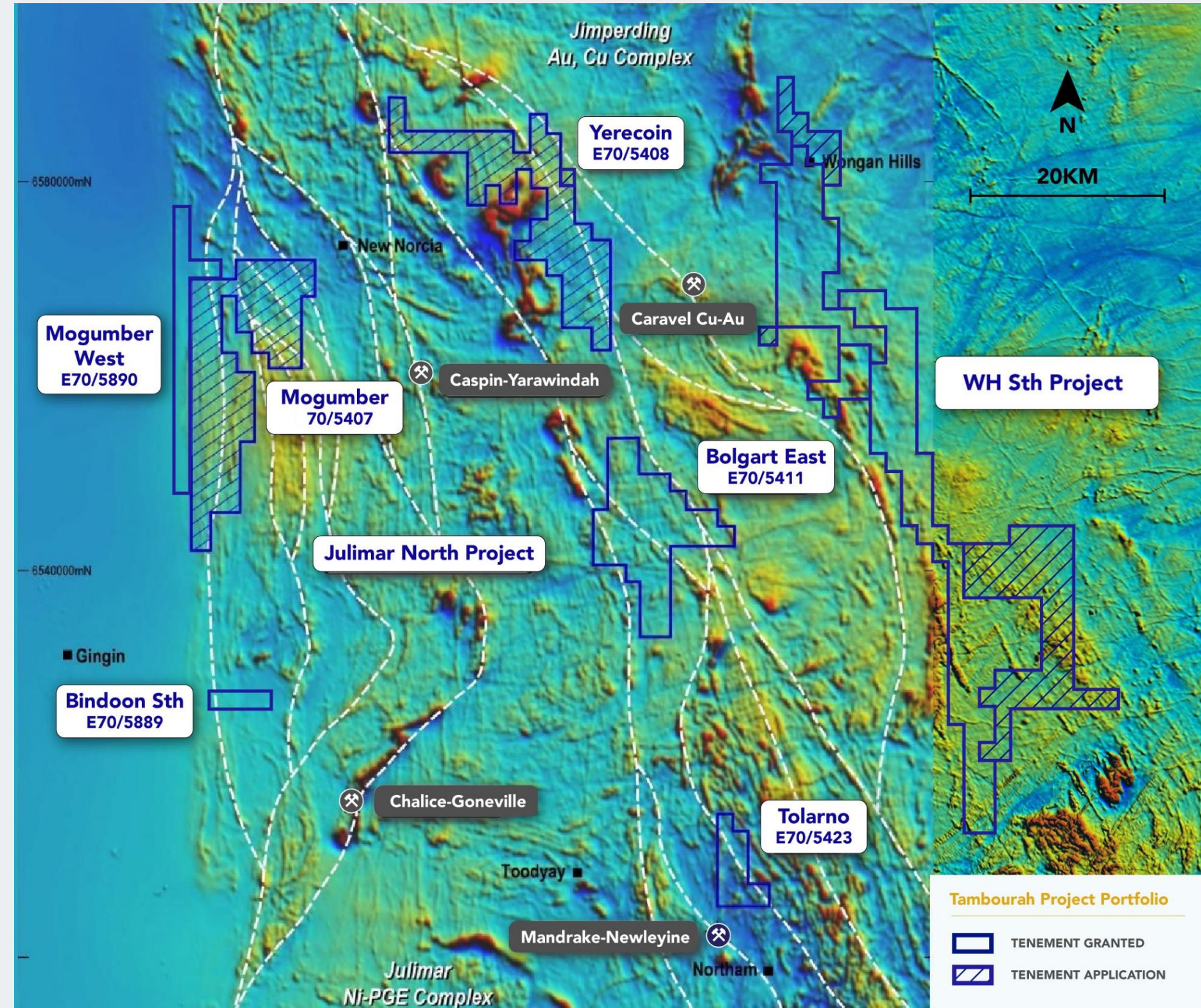


Cheela Historic Drilling Results



# Julimar North Ni/PGE/Cu

- Recent work includes:
- Gravity survey completed at Bolgart & Tolarno.
- MMT survey to identify EM conductors
- Tambourah Metals has the largest exploration portfolio in the Julimar Region after Chalice Mining.
- 2 Tier 1 mines are within a 50 km radius.
- Caravel Resources is developing a Cu/Mo/Au mine West of Wongan Hills. A 25-year mine life is planned.
- Chalice Mining is developing the Gonneville Ni-Cu-PGE resource at Julimar.
- Tambourah will obtain the results of the MMT survey in the next quarter and once processed the company will prepare to drill these new targets for Nickel Sulfides.

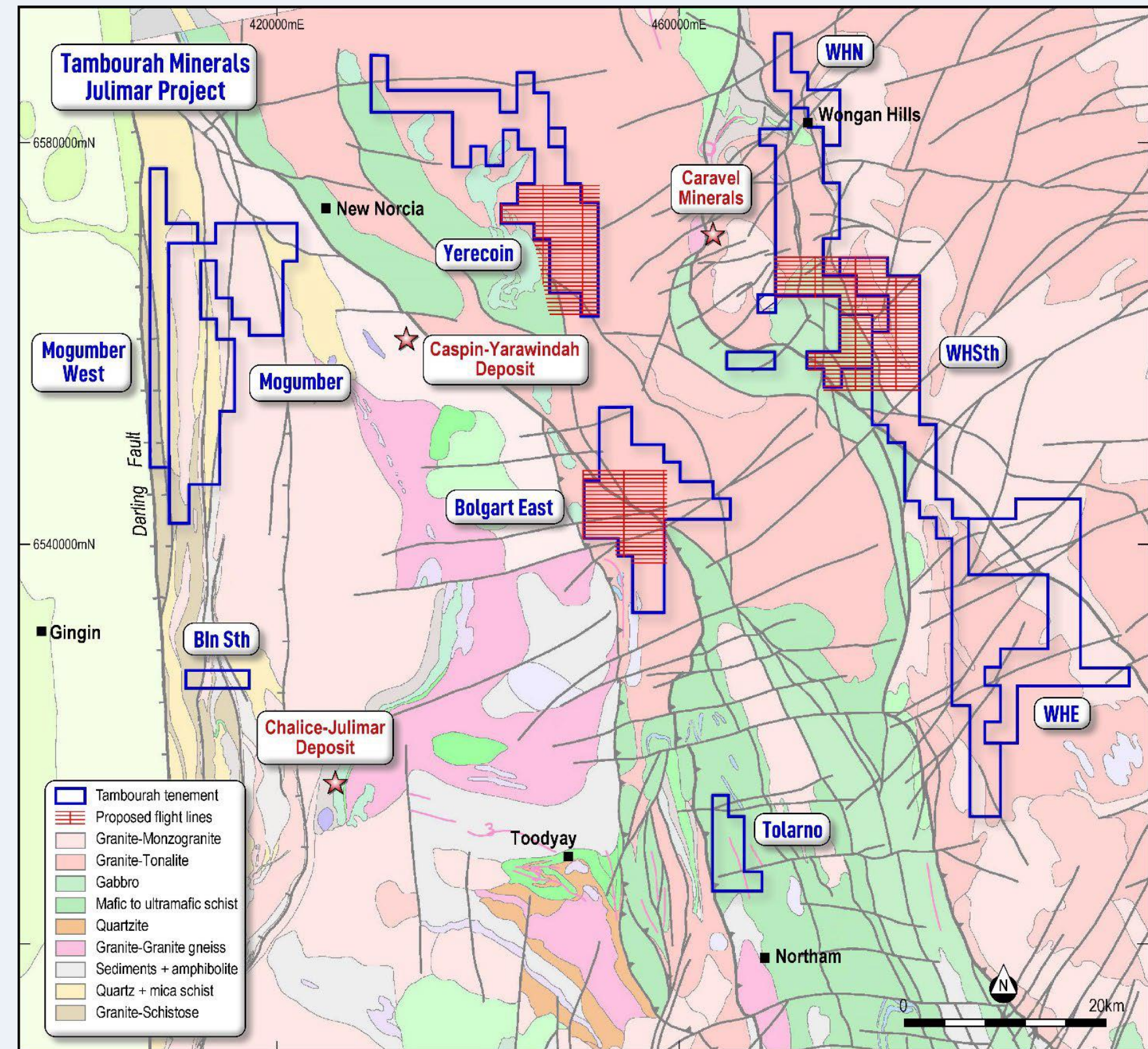


Julimar North Project Locations Map



# MMT Survey at Julimar North

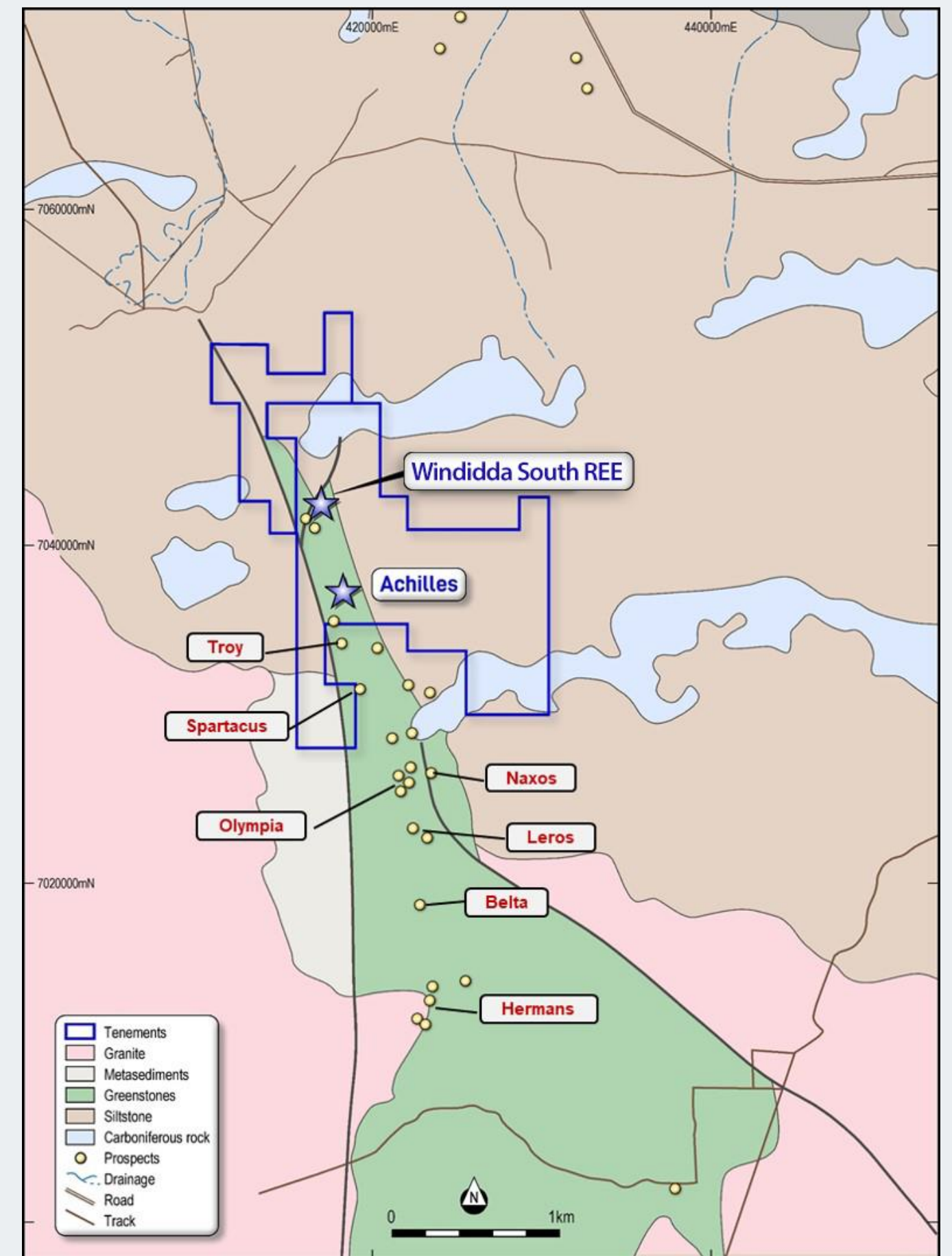
- Multiple conductors identified in preliminary MMT data report
- Initial Ground EM planned to follow-up priority targets
- Progressing drill planning at Julimar Nth
- The Bolgart East tenure is prospective for hosting Gonneville style Ni-Cu-PGE mineralisation within ultramafic rocks. Company geologists have identified scattered ultramafic rocks in subcrop at Bolgart East. The significance of these rocks with respect to the MMT conductors and the regional structures will be determined when the final data package is fully interpreted.
- Yerecoin, like Bolgart East, is prospective for hosting Gonneville styles of mineralisation in ultramafic rocks. Gabbros have been identified in scattered subcrop at Yerecoin.
- The WH Sth targets are located within a 5 km radius of the Caravel Resources Cu-Mo Au project in an area that hosts multiple magnetic anomalies.





# Achilles Ni/PGE/Au/REE

- Located North of Olympia Nickel deposit of Cannon Resources.
- The Windidda South project within TMB tenure has identified Au/Ni targets from historic drill sampling.
- The Earraheedy basin hosts the Rumble Resources zinc project 130km NW of the Achilles Project.
- Tambourah has an approved POW and will commence field activities in Q4.
- Achilles is prospective for Ni/PGE/Au.
- In 2007 the Creasy group undertook comprehensive assaying of rock chip samples (including the full suite of REEs) from the RC drilling program. At Windidda, holes CBRC001, CBRC006 and CBRC007 reported TREO assay grades from 202ppm – 579ppm in saprolitic clays between 12-36m deep. All samples were 4m composite samples.



Achilles Project Location Map

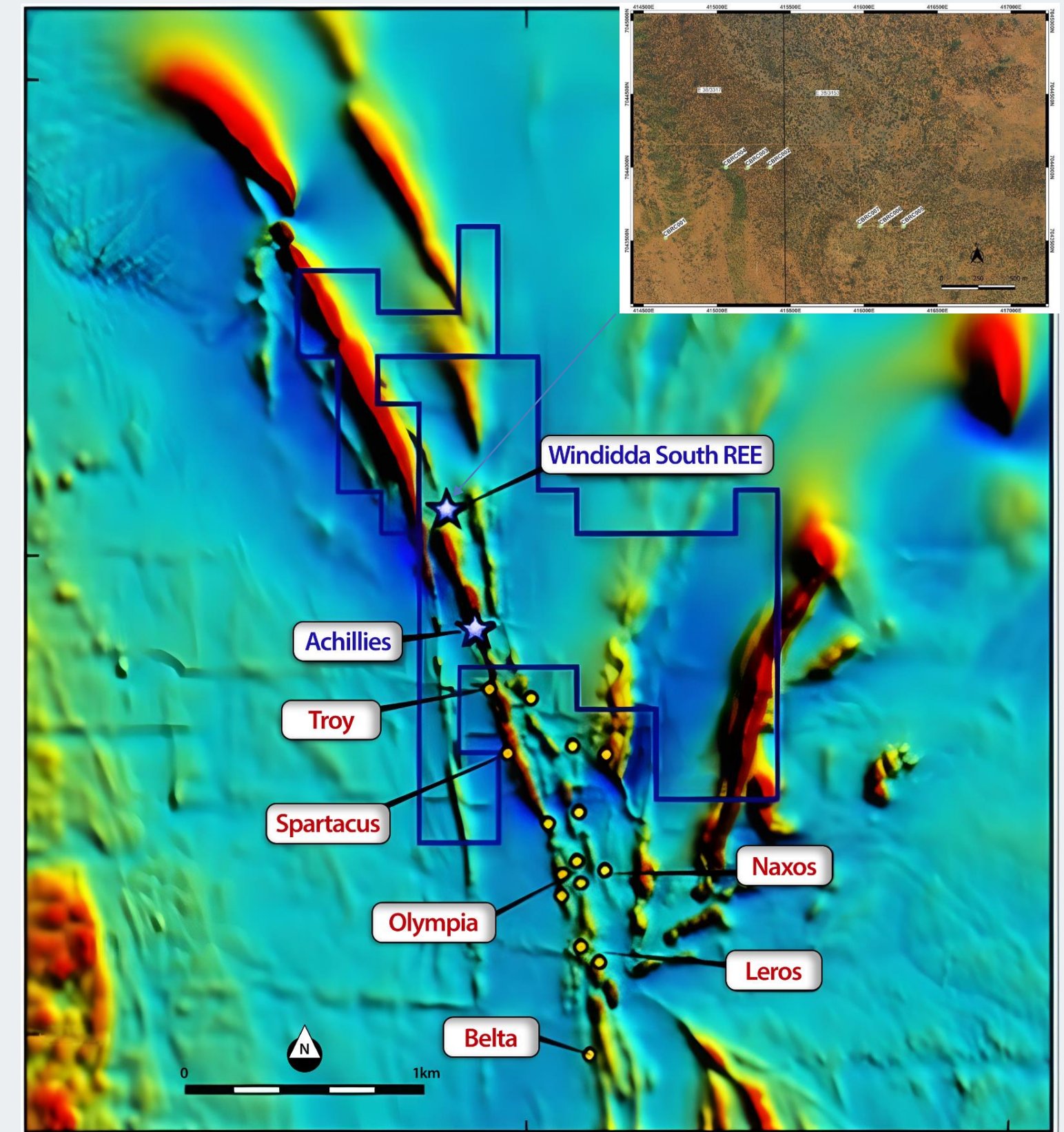


# Achilles NE Goldfields REE

- Rare Earth Elements (REE) identified in historic drilling at Achilles Project
- New tenement applications for REE at Adam Range
- Located about 1km North of the Olympia Nickel deposit
- Prospective for Ni-PGE-Au-Zn mineralization\*
- Historic drilling appears to have missed the main AEM anomalies
- Aircore drilling is planned to follow up on the REE drillhole data.\*\*

\*ASX 19th May Nickel, Zinc and Gold Targets at Achilles

\*\*ASX 28th November Rare Earth Elements identified at Achilles Project



Achilles Location Magnetic



# Whats Next

- Tambourah has battery metals, critical minerals and gold projects in Western Australia.
- TMB is the second largest tenement holder in the Julimar district, ready to advance exploration in Q3/4.
- Gold drill results in Tambourah add to the mineral resource at the historic mining area.
- Cheela has the potential host significant gold resources within the Nanjilgardy fault.
- Nullagine goldfield hosts several operating gold mines within excess of 200,000 ounces.
- Stay informed, sign up for our newsletter online.





# Tambourah

— Metals Ltd —

## DIRECTORS

Ms. Rita Brooks	Executive Chairperson
Mr. Caue Paul Araujo	Managing Director
Mr. Ben Donovan	Non-Executive Director
Mr. Chris Ramsay	Non-Executive Director
Mr Peter Batten	Non-Executive Director
Mr. Graeme Smith	Company Secretary

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