

# Tambourah

— Metals Ltd —

## Investor Presentation December 2024



ASX: TMB

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

December 2024



# Forward Looking Statements and Disclaimer

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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
- vi. other risks and uncertainties related to the Company’s prospects, properties and business strategy. Prospective investors in the Company are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and the Company not undertake any obligation to revise and disseminate forward looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

## Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr. Bill Clayton geology manager of the company, who is a Member of The Australian Institute of Geoscientists. Mr. Bill Clayton 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. Bill Clayton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Exploration Results

The references in this announcement to Exploration Results were reported in accordance with Listing Rule 5.7 in the announcements titled:

ASX Announcement: CSIRO Collaboration Recommends Extending R&D Program – 5/12/2024

ASX Announcement: Significant Gold Assays at Tambourah Gold Project – 27/11/2024

ASX Announcement: Significant RC Drill Results from Tambourah King – 4/10/2024

ASX Announcement: Drilling Completed at Mogumber – 05/08/2024, ASX Announcement: Drilling to be Completed at Cheela Gold Target, Ashburton – 29/04/2024, ASX Announcement: TMB adds Copper and Gold exploration in the Bryah Basin – 16/04/2024,

ASX Announcement: High grade gold targets identified at Bryah Project – 20/06/2024, ASX Announcement: New Lithium Results Expand Pilbara Projects, ASX Announcement: Expanding Lithium Projects at Russian Jack - 02/09/2022,

ASX Announcement: Tambourah Metals Enters CSIRO Collaboration at Russian Jack Lithium Project - 16/03/2023, ASX Announcement: Successful EIS Co-funding for Tambourah Gold Project- 17/05/2024, ASX Announcement: Pegmatite Sampling Commences at Shaw River – 05/09/2023,

ASX Announcement: Significant Gold Results from Tambourahs RC Drilling Program – 20/11/2023, ASX Announcement: Lithium Exploration Accelerates at Tambourah Projects – 23/11/2023

ASX Announcement: Airborne EM Geophysics Completed at Achilles – 13/03/2023, ASX Announcement: REE drilling completed at Achilles – 3/03/2023

ASX Announcement: High Grade Gold Rock Samples at Duke Prospect – 17/10/2023

The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement noted above

Authorised by the Board of Tambourah Metals Ltd.

# Introduction



# Corporate Overview

<b>Rita Brooks</b> Executive Chairperson BA(Ed)	<ul style="list-style-type: none"> <li>30+ years' experience in minerals exploration industry</li> <li>Founding Director of gold and nickel explorer Berkeley Resources Ltd</li> <li>Director of several private companies and extensive experience across mineral exploration throughout Australia</li> </ul>
<b>Bill Clayton</b> Non-Executive Director & Geology Manager BSc(hons) MSc, MBA	<ul style="list-style-type: none"> <li>30+ years' exploration experience primarily with-in Australia</li> <li>Experienced mining professional, Exploration Management, ASX reporting, Gold, Copper and Nickel</li> <li>Ex Lionore and key player in discovery and evaluation of Maggie Hays and Emily Anne nickel deposits.</li> </ul>
<b>Bill Marmion</b> Non-Executive Director BEng	<ul style="list-style-type: none"> <li>24 years delivering infrastructure projects as an engineer.</li> <li>State Minister for 6 years in the WA Government between 2010 and 2016, holding the portfolios of State Development, Mines and Petroleum, Transport, and Environment.</li> </ul>
<b>Graeme Smith</b> Company Secretary MBA, MComLaw, FCPA, FCG (CS, CGP)	<ul style="list-style-type: none"> <li>30+ years' experience in the accounting and company administration industry</li> <li>Extensive experience in similar roles and is Principal of Wembley Corporate Services</li> <li>Currently serving as a Non-Executive Director of Augustus Minerals Ltd and Enterprise Metals Limited</li> </ul>

## Share Price - 1<sup>st</sup> Jan 2023 – 5<sup>th</sup> December 2024



1. Cash on hand as at 30/09/2024

## Corporate Snapshot

Share Price (3/12/2024)	\$0.027
Share Capital (ASX:TMB)	109.3m
Unlisted Options	59.94m
Market Capitalisation	<b>\$2.95m</b>
Cash <sup>1</sup>	\$2.18m
Debt	Nil



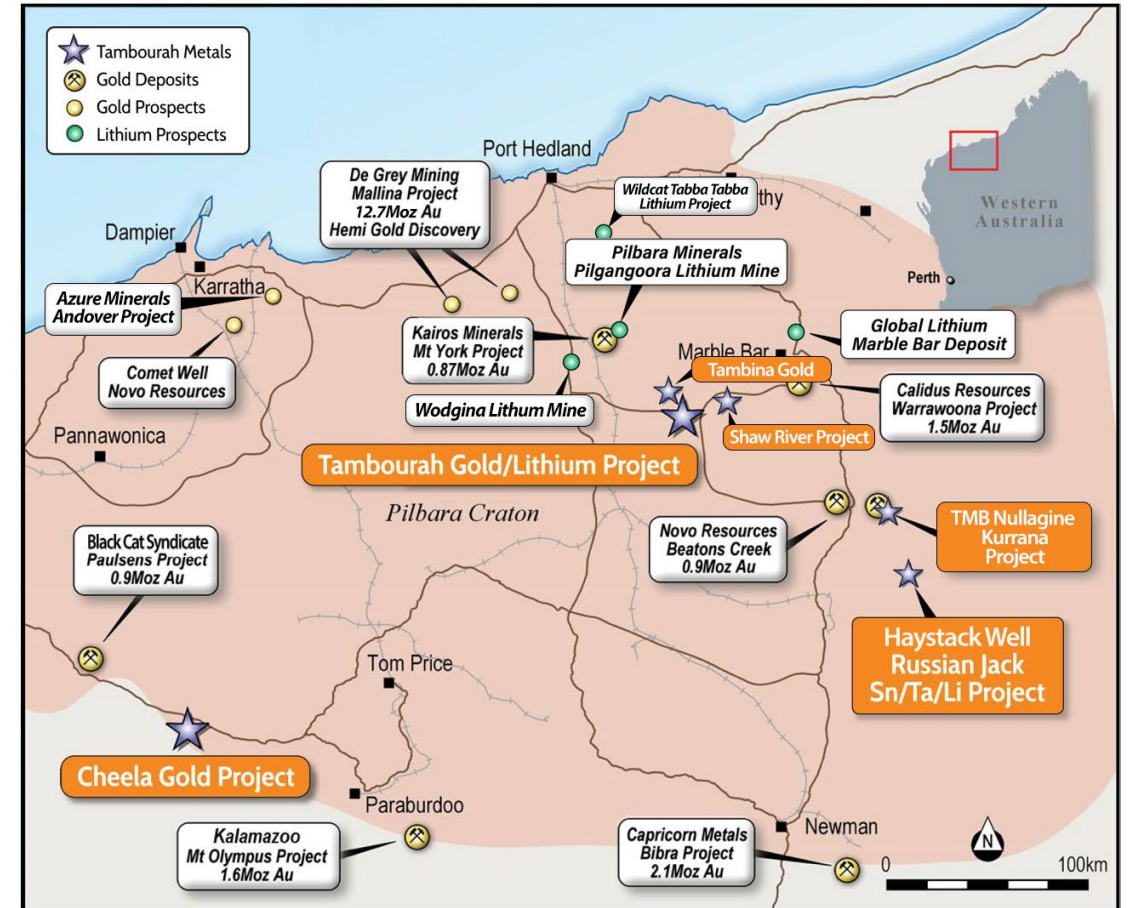
# Gold in the Pilbara

## Gold in the Pilbara

- ✓ The Pilbara is a hotbed for gold discovery and M&A
- ✓ Northern Stars Takeover of De Grey for \$5B  
11.2M Oz equates to ~\$400+ per Oz
- ✓ De Grey based on Mallina Shear Zone where they were lead by historic workings to the south
- ✓ Parallels can be drawn with Tambourah – Discovery stage
- ✓ 1<sup>st</sup> Diamond hole = 42g/t over 2.65m

Tambourah is focused on gold exploration in 2025

## Tambourah Project Locations

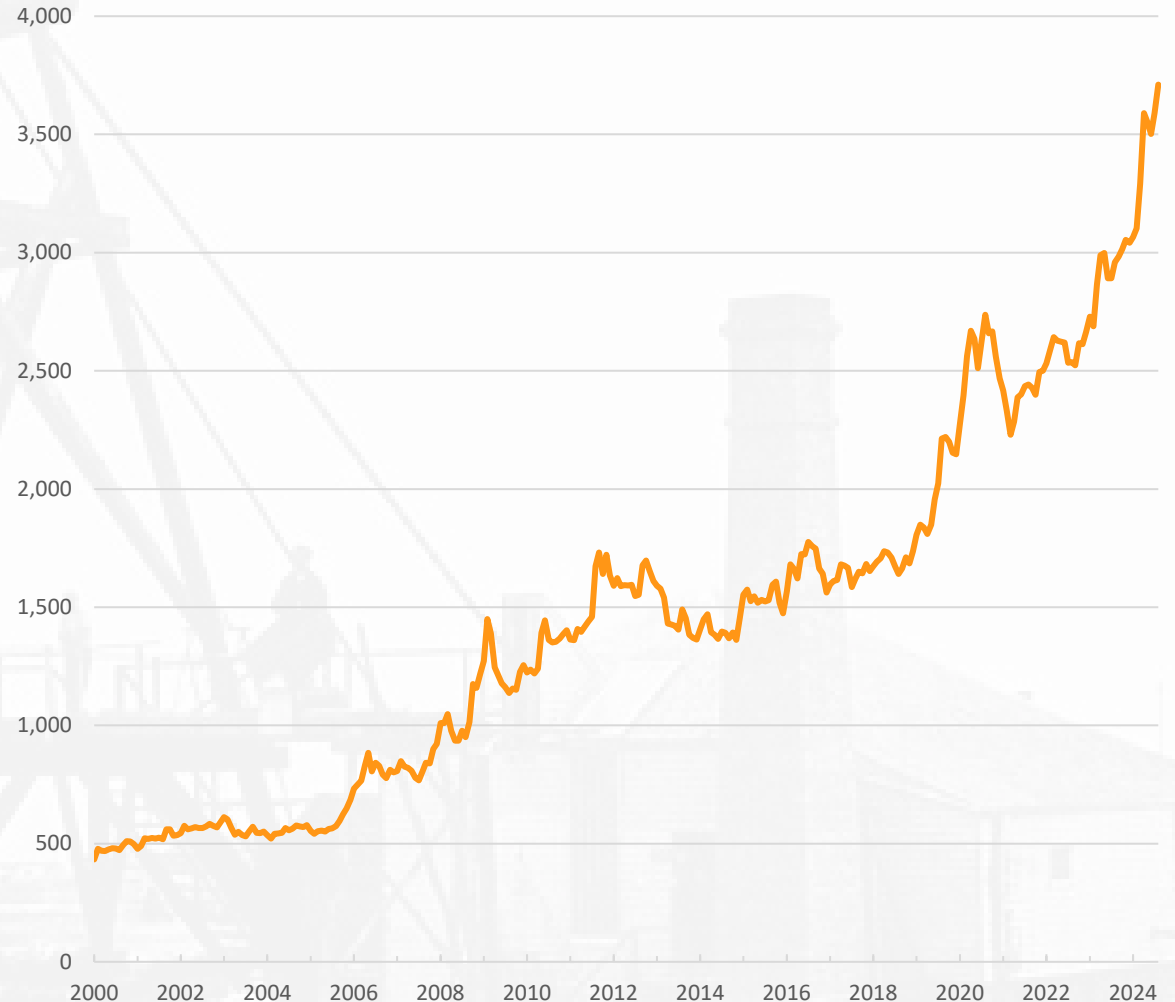


# Market Overview

## Gold

- ✓ Increase in the gold price from AU \$2500 to AU \$4000+
- ✓ Tambourah goldfield has over 20 historic prospects.
- ✓ Since listing in 2021 TMB has drilled 5 of the historic prospects
- ✓ Maiden Diamond Drilling in 2024 results included:
  - ✓ Tambourah King: **2.65m at 32.3g/t Au from 58.35m**
  - ✓ The gold is now \$4,138.30 per troy ounce
- ✓ Diamond drilling at 4 more gold prospects is planned for 2025

GOLD PRICE (AUD)





# Gold Exploration In 2025



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## **Tambourah Goldfield**

Over 20 historic goldmines and prospects over 3km of strike

2024 diamond drilling results @ **Tambourah King:**

**32.3g/t Au over 2.65m from 58.35m**  
**incl 1m @ 77.4g/t Au from 59.05m**

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Results from the Federal:  
**0.7m at 3.22 g/t Au from 107.55m**  
**incl 0.2m at 9.65 g/t Au**

Results from the World's Fair:  
**1.4m at 0.31 g/t Au from 23m**

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# Recent Diamond Drilling at World's Fair.





# Tambourah Gold Project

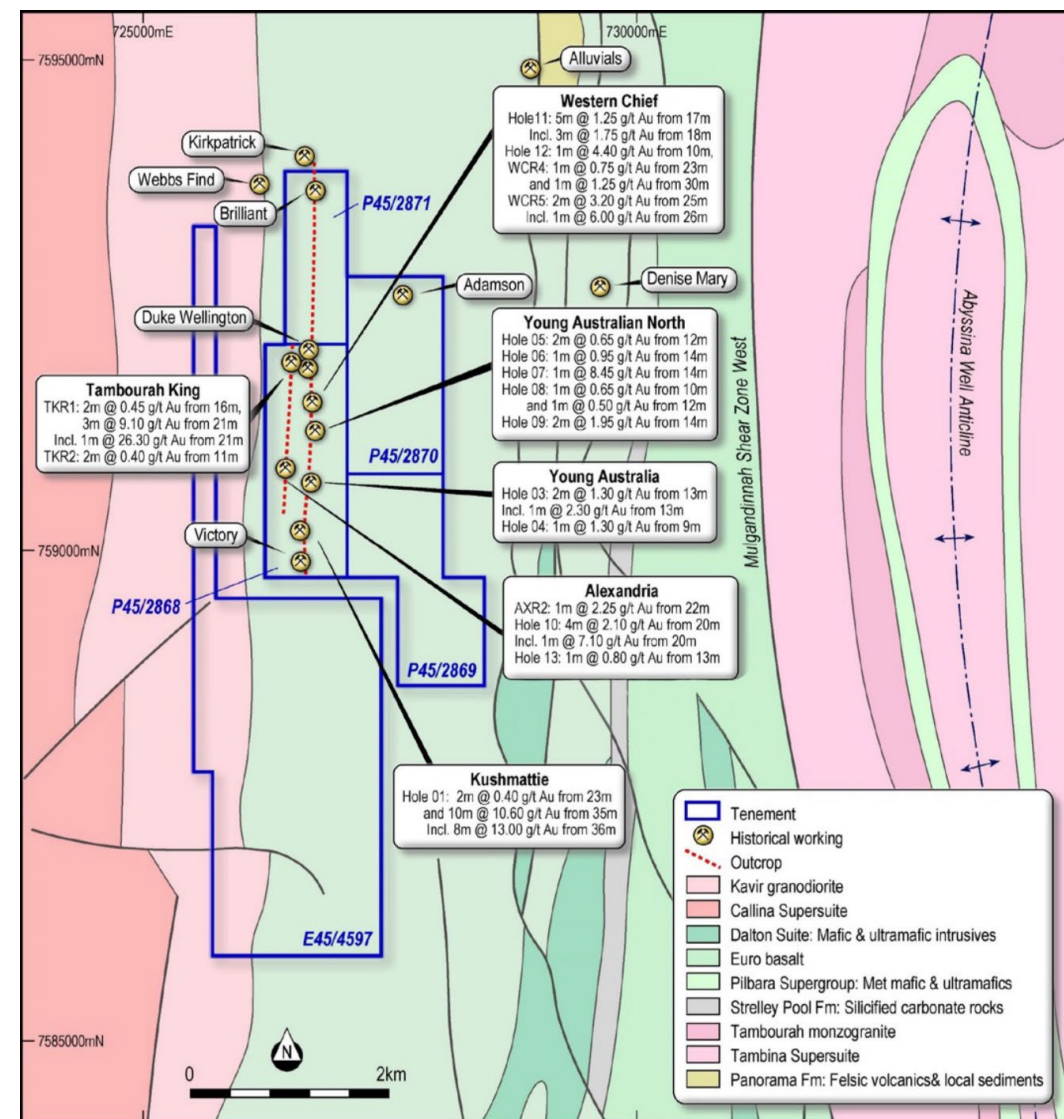
Historical production at Tambourah goldfield produced 5,445t ore for 148.9kg of Gold (\$19 Million AUD at the current gold price)

The 2024 diamond drill program successfully tested the depth/strike extensions at the Tambourah King and the Federal prospects for intrusion-related and lode gold mineralised systems.

Diamond drilling is planned to south of Tambourah King to test the continuity of high-grade gold beneath historic prospects where historical drill intercepts at the Alexandria include:

- **4m at 2.10g/t Au from 20m, including 1m at 7.10 g/t Au from 20m (Hole 10)**
- **1m at 2.25g/t Au from 22m, (AXR2)**
- **1m at 0.80g/t Au from 13m (Hole 13)**

The proposed RC/DD holes are designed to test for structurally controlled gold mineralisation underneath the historic Tambourah Gold Field workings and is co-funded by an EIS grant of up to \$180,000.



# Bryah Cu/Au project

Significant 333.4 km<sup>2</sup> tenement package located 150km north of Meekatharra

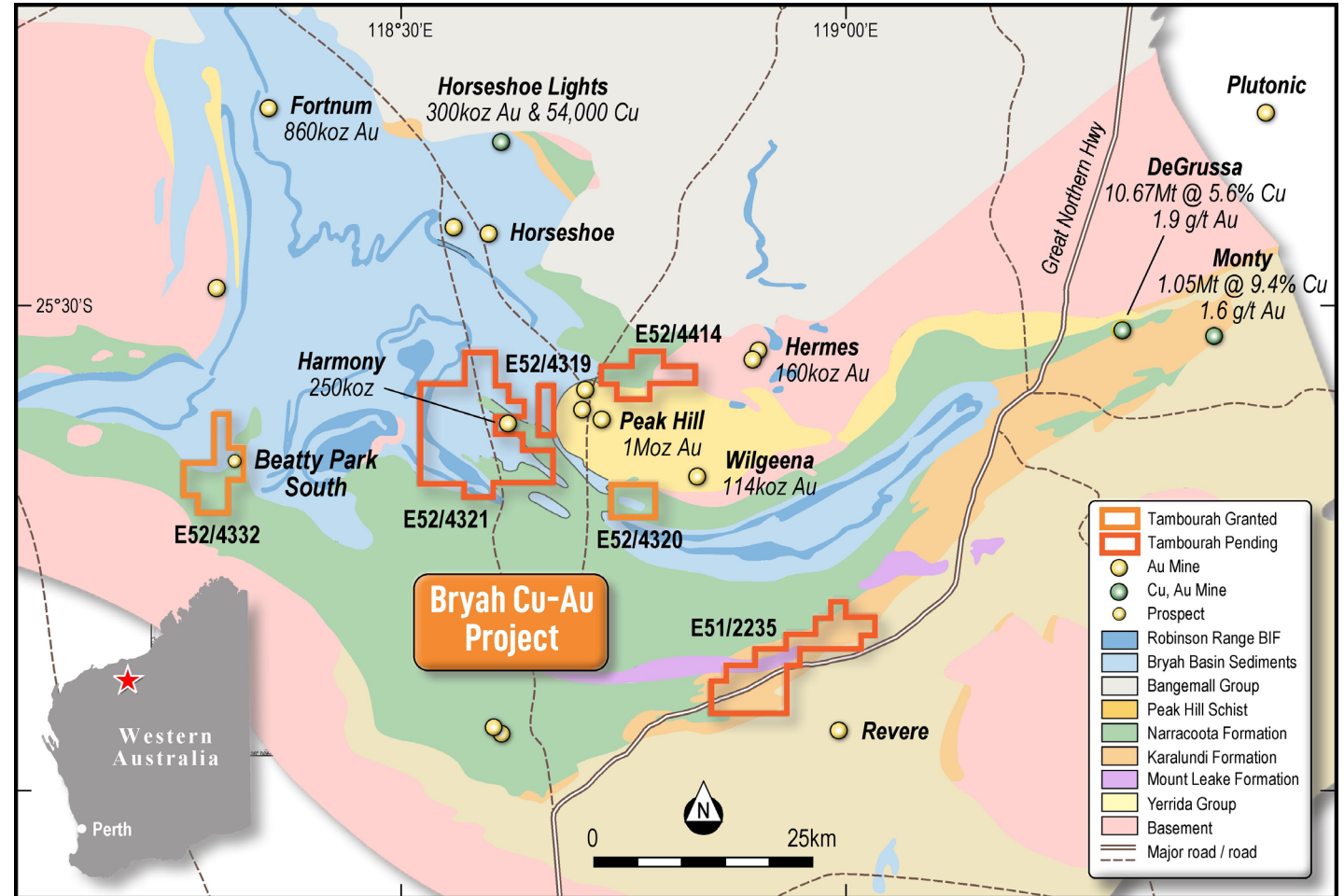
The Neptune Prospect (E51/2235) is 60km southwest of the DeGrussa-Monty copper-gold mine (10.67Mt @ 5.6% Cu & 1.9g/t Au).

The Bryah Basin is a major province for VHMS copper-gold and Proterozoic gold mineralisation.

Beatty Park South (E52/4332) field activities to commence Q1 2025.

Baxters South (E52/4319) exploration licence surrounds the 250,000oz Au Harmony mine.

Tambourah has commenced work on the extensive historic datasets of electromagnetic and gravity surveys, AC, RC and DD results.



Bryah Basin Location Map with Regional Geology



# Beatty Park South Au Project

Located on upper contact Narracoota Fm. Primary target for gold mineralisation in the Bryah Basin.

Historic drilling intersected high-grade gold in highly altered mafic-ultramafic rocks of the Narracoota Fm.

Historic drilling results included:

- **5m at 22.92g/t Au from 44m**
- **5m at 15.25g/t Au from 32m**
- **4m at 14.71g/t Au from 44m**

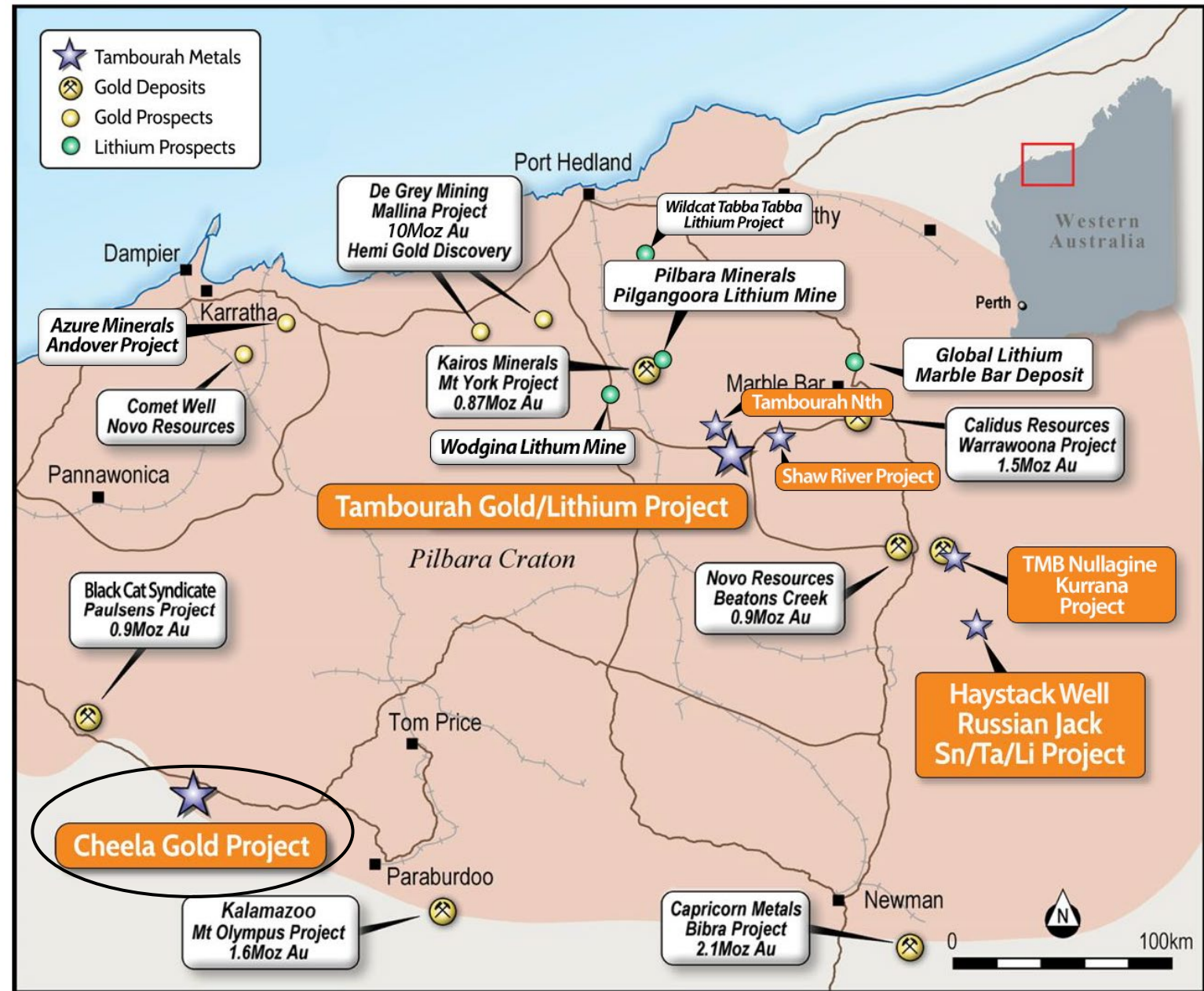
Follow up will include review of magnetic and remote sensing data to help identify lithological boundaries and potential structural controls.

Hole ID	East_MGA	North_MGA	RL (nom)	Dip	Azimuth (mag)	From	To	Length	Grade Au g/t	Final Depth (m)
BPR16	632643	7157169	554	-60	98	44	49	5	22.92	50
BPR17	632620	7517172	554	-60	98	30	37	7	1.90	50
BPR18	632597	7157175	554	-60	98	27	31	4	1.74	50
BPR68	632675	7157164	554	-60	278	44	48	4	14.71	50
PRC02	632621	7157181	554	-60	188	34	35	1	28.65	64
PRC06	632648	7157205	554	-60	188	27	29	2	4.73	81
						44	47	3	6.07	
PRC08	632667	7157175	554	-60	188	32	37	5	15.25	80

Historic drill data showing high grade intersections

# Cheela Project Location

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# Cheela Drill Program - Q3 2024

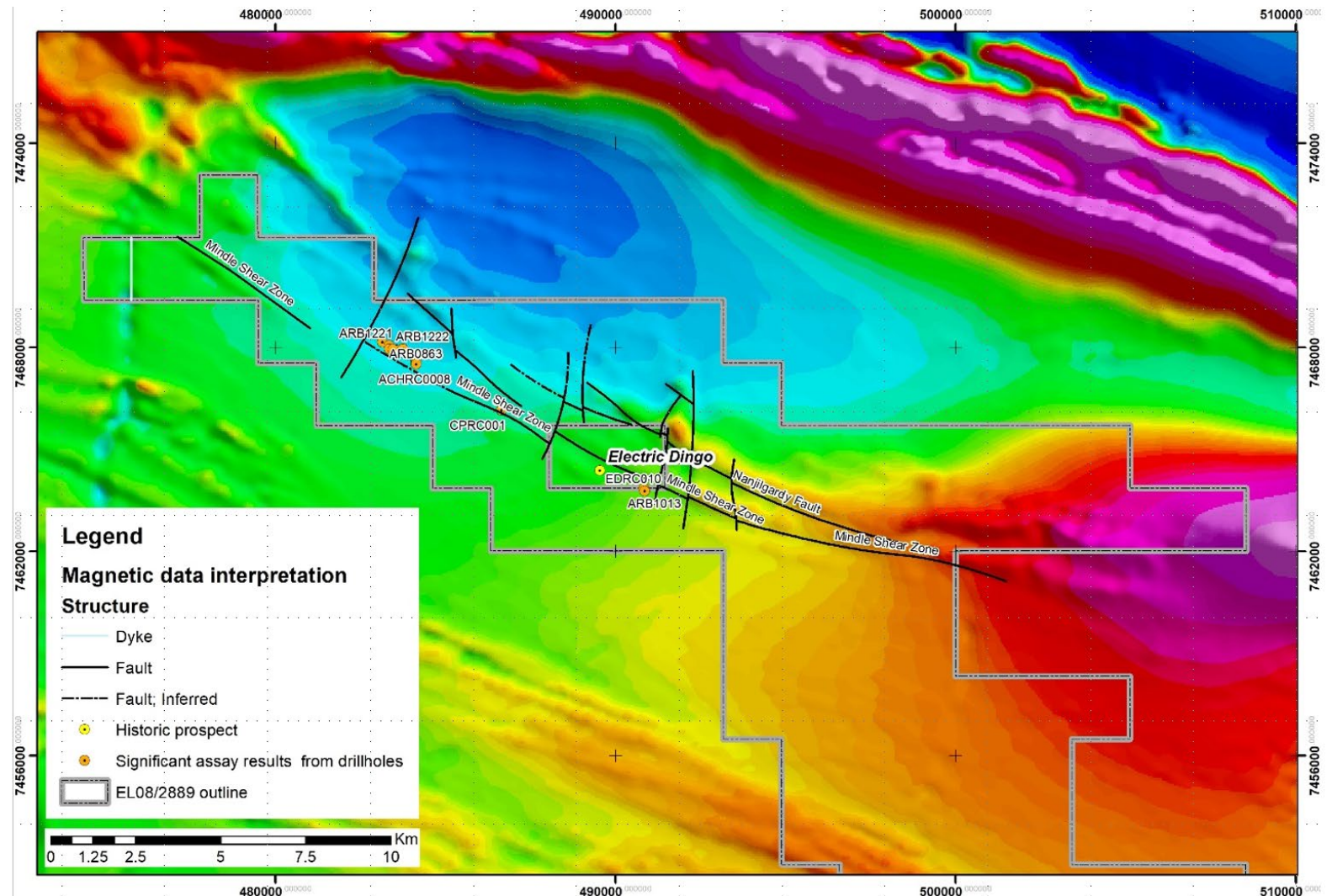
Cheela is located 70km northwest of Paraburdoo and adjacent to the Paraburdoo-Nanutarra Road.

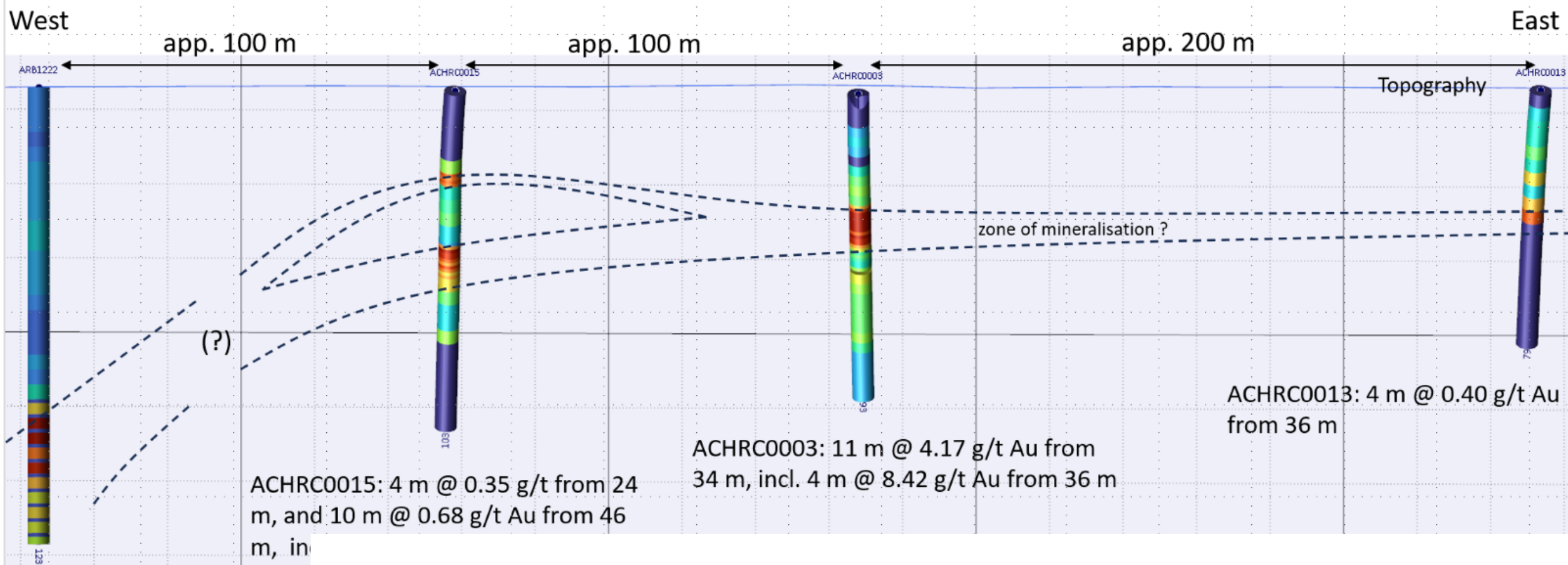
Cheela prospect targeted historic gold intersections including:

- **16m at 4.75g/t Au from 88m, incl.  
8m at 8.59g/t Au**

Recent assays results show a potential extensive sub-horizontal gold anomaly open along strike.

Black Cats' Electric Dingo gold deposit is approximately 20,000oz. The Cheela project is 70km southeast of the Paulsens gold mine owned and operated by Black Cat.



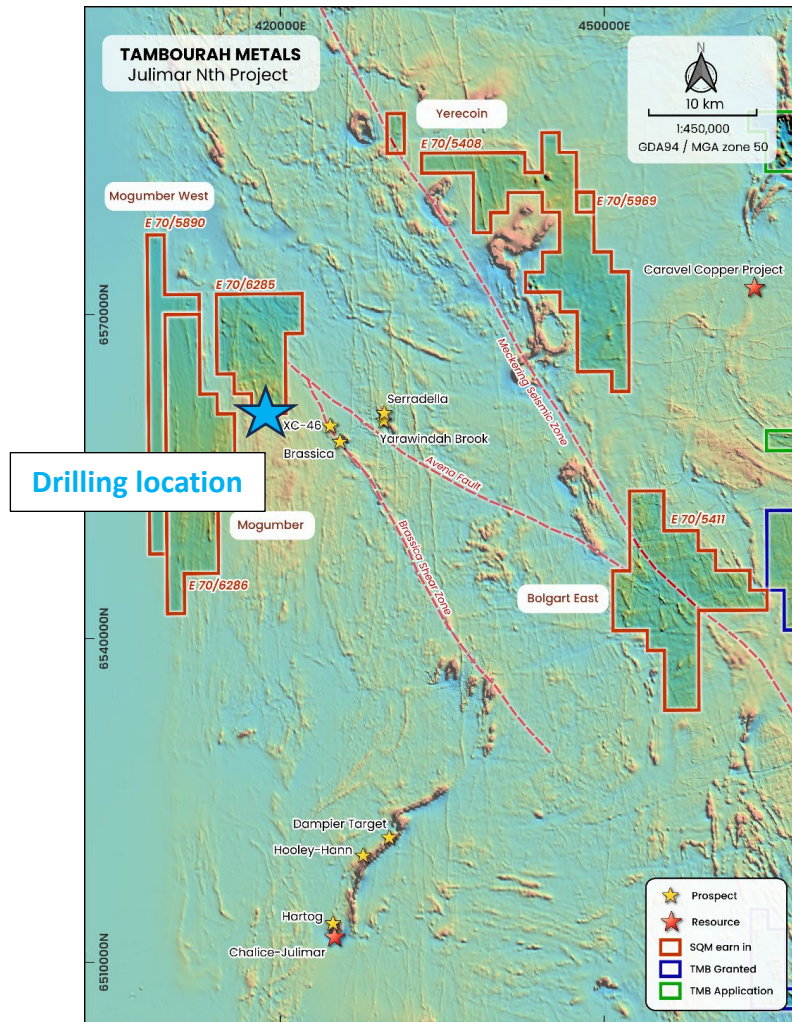


The drilling program targeted historic high grade drill intersections reported by Newcrest Mining and Northern Star (see above), including

- 10m at 3.85g/t Au from 88m, including 8m at 8.59g/t Au from 88m<sup>2</sup> (ARB1222, Newcrest) and
- 11m at 4.17/t Au from 34m, including 4m at 8.42g/t Au from 36m<sup>3</sup> (ACHRC003, Northern Star).



# Julimar Nth – SQM Earn-In



Julimar Nth drilling location plan.

Recent exploration by Sociedad Quimica y Minera de Chile S.A. (SQM) included aircore drilling and a magnetic survey over the projects.

220-hole, 3000m aircore drilling program completed in Q3 2024 at Mogumber.

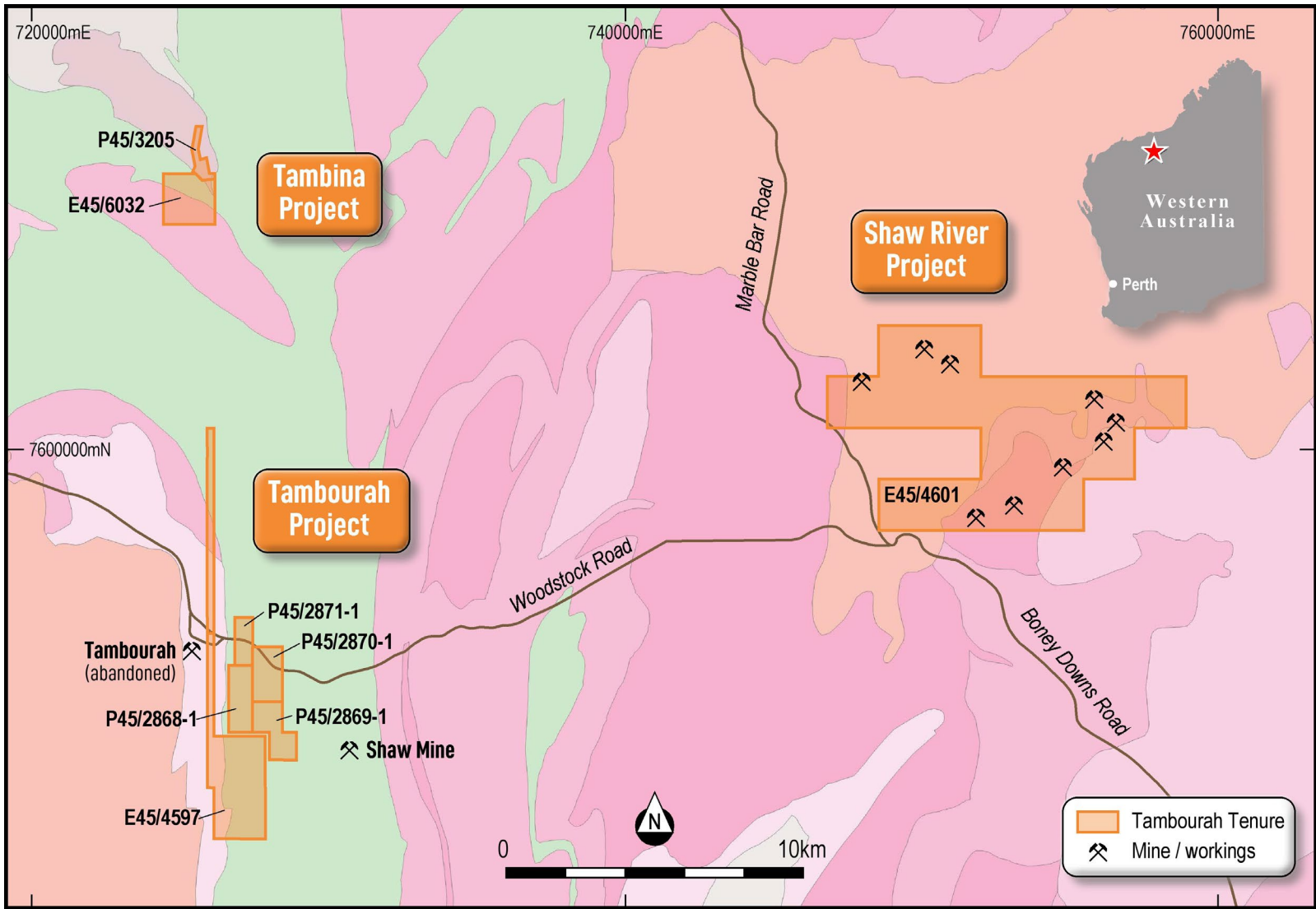
Preliminary assessment of assay results identified a large contiguous low-level Ta-Nb geochemical anomaly that extends in a north-south orientation.

Assays for gold and PGEs underway with results pending.

Magnetic survey interpretation ongoing.

SQM are spending \$1.5M to earn 50% of the project.

# Tambina Gold Project





# Tambina Gold Project

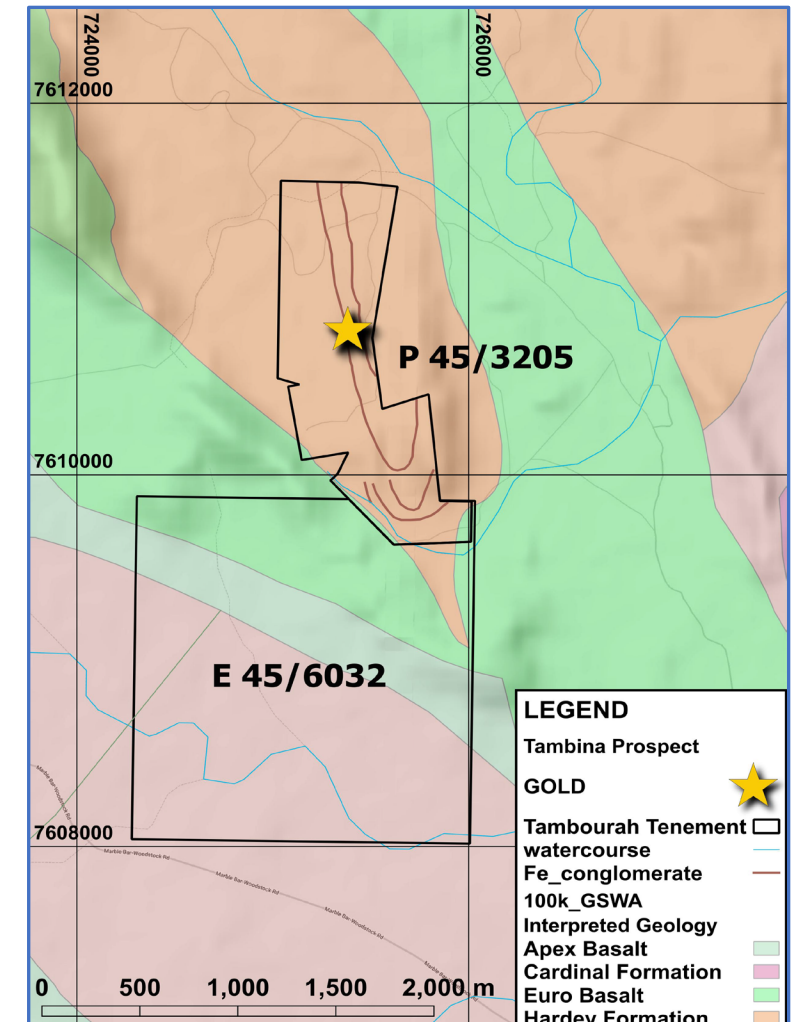
Located 80 km south west of Marble Bar. The Tambourah goldfield is located 17km to the south.

History of small-scale gold mining.

366ha in area - amalgamation of two mining leases and the exploration license.

Alluvial and supergene gold associated with extensive and persistent ferruginous conglomerate unit with 4000m total strike extent.

Tambourah will investigate a palaeo-placer bulk mining gold project.



Geology of Tambina Gold Project

# Tambina Gold Project

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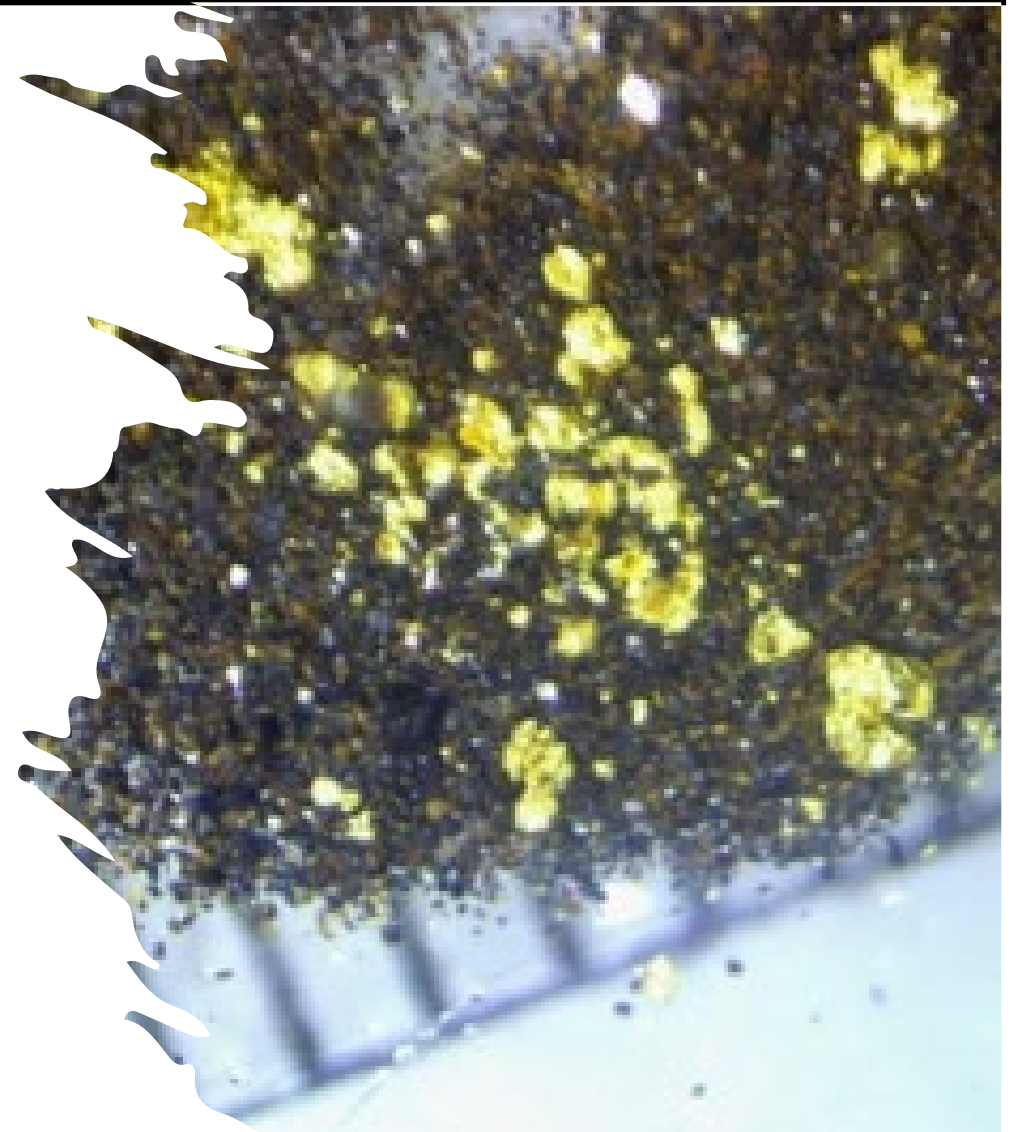
Pyritic conglomerate units form part of a 10km long basin. Conglomerates dip moderately to shallowly into the basin.

The upper weathered profile is strongly ferruginous and facilitates supergene enrichment of gold.

Historic exploration includes detailed mapping, trenching, soil sampling and drilling.

Surface exploration has highlighted the association of gold with the conglomerate units and included the recovery of coarse free gold from surface samples. Best opportunity identified in southern part of the basin (Tambourah's tenure).

High gold price enhances the attractiveness of near-surface gold target having a simple recovery process.





# Proposed Gold Work Programs 2024 / 2025

Projects	2024	Q1 2025	Q2 2025
<b>Tambourah – Au</b>	<ul style="list-style-type: none"> <li>Completed Tambourah King drilling</li> <li>Drill program at Worlds Fair and The Federal prospects</li> </ul>	<ul style="list-style-type: none"> <li>RC and Diamond drilling preparations at:                             <ul style="list-style-type: none"> <li>Tambourah Goldfield</li> <li>\$180,000 EIS co-funding (12 DD/RC holes)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Mining lease application</li> </ul>
<b>Tambina – Au</b>	<ul style="list-style-type: none"> <li>Data compilation and review</li> </ul>	<ul style="list-style-type: none"> <li>Rock chip sampling and mapping</li> </ul>	<ul style="list-style-type: none"> <li>Heritage</li> </ul>
<b>Bryah Basin – Au</b>	<ul style="list-style-type: none"> <li>Data review</li> </ul>	<ul style="list-style-type: none"> <li>Rock chip sampling and mapping</li> </ul>	<ul style="list-style-type: none"> <li>Heritage</li> <li>Proposed RC/DD drilling program</li> </ul>
<b>Cheela Gold – Au</b>	<ul style="list-style-type: none"> <li>Prepare &amp; Process drill plans</li> </ul>	<ul style="list-style-type: none"> <li>Proposed RC drilling program</li> </ul>	
<b>Haystack Well &amp; Shaw River – Li/Sn</b>	<ul style="list-style-type: none"> <li>Hyperspectral data interpretation (R&amp;D)</li> </ul>	<ul style="list-style-type: none"> <li>Ground truthing hyperspectral data and identify drill targets</li> </ul>	
<b>Julimar Nth – Ni-PGE-Cu</b>	<ul style="list-style-type: none"> <li>Resampling of pulps for Au/PGE's</li> </ul>	<ul style="list-style-type: none"> <li>Assay Results</li> <li>Magnetic survey interpretation</li> </ul>	<ul style="list-style-type: none"> <li>SQM to continue earn-in</li> </ul>

# Summary

## Gold & Critical Minerals

- ✓ Gold focused with exploration advancing rapidly in early 2025
- ✓ \$180,000 EIS co-funded diamond drilling program to target high grade prospects:
  - Tambourah King - **2.65m at 32.3g/t Au from 58.35m**
  - Kushmattie - **10m @ 10.6 g/t Au from 35m**
  - Alexandria - **1m @ 5.49 g/t Au from 45m**
  - Young Australian - **1m @ 8.49 g/t Au from 14m**
- ✓ Julimar Nth assay results for gold and PGEs
- ✓ Beaty Park & Baxter South - Drilling targets identified.
- ✓ Proposed RC gold drilling at Cheela gold project.





# Tambourah

## Metals Ltd

**ASX:TMB**

[tambourahmetals.com.au](http://tambourahmetals.com.au)

**in** [linkedin.com/company/tambourahmetals](https://www.linkedin.com/company/tambourahmetals)

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