

Tambourah

— Metals Ltd —

Australian Gold Conference 2024



ASX: TMB

tambourahmetals.com.au

August 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 exploration manager of the company, who is a Member of The Australasian Institute of Mining and Metallurgy. 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: 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

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

Authorised by the Board of Tambourah Metals Ltd.

Introduction



Corporate Overview

Rita Brooks Executive Chairperson BA(Ed)	<ul style="list-style-type: none"> 30+ years' experience in minerals exploration industry Founding Director of gold and nickel explorer Berkeley Resources Ltd Director of several private companies and extensive experience across mineral exploration throughout Australia
Bill Clayton Non-Executive Director Geology Manager	<ul style="list-style-type: none"> Experienced mining professional. Skilled in Mineral Exploration, Exploration Management, ASX reporting, Gold, Copper and Nickel.
Wayne Richards Non-Executive Director GAICD, BSc	<ul style="list-style-type: none"> 30+ years' experience of study execution, project development, mining, mineral processing and corporate financing experience. Extensive Lithium exploration and project development knowledge.
Bill Marmion Non-Executive Director BEng	<ul style="list-style-type: none"> 24 years delivering infrastructure projects as an engineer. 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.
Graeme Smith Company Secretary MBA, MComLaw, FCPA, FCG (CS, CGP)	<ul style="list-style-type: none"> 30+ years' experience in the accounting, company administration and corporate governance Extensive experience in similar roles and is Principal of Wembley Corporate Services Currently serving as a Non-Executive Director of Augustus Minerals Ltd, Non-Executive Chairman of Enterprise Metals Limited

Share Price - 1st Jan 2023 – July 2024



1. Cash on hand as at 30/06/2024

Corporate Snapshot

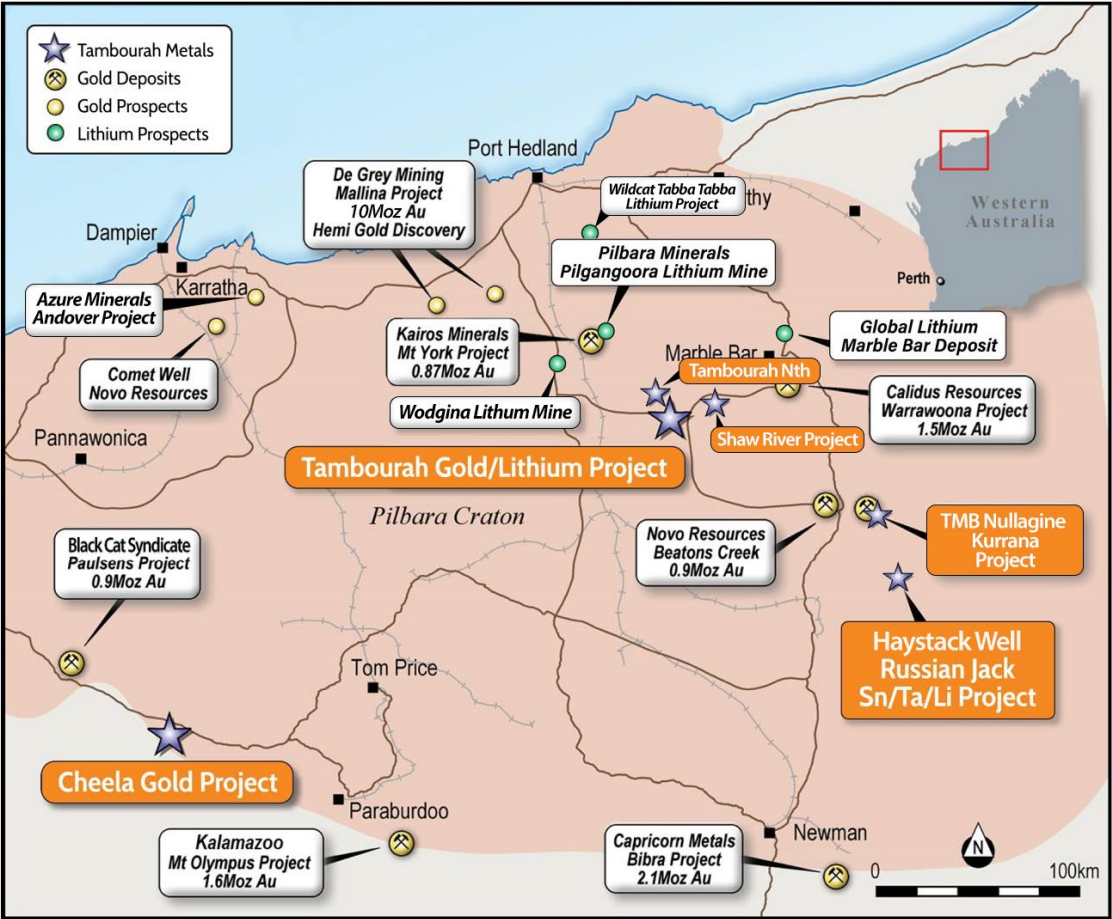
Share Price (22/08/2024)	\$0.043
Share Capital (ASX:TMB)	82.9m
Unlisted Options	28.1m
Market Capitalisation	\$3.6M
Cash ¹	\$2.3m
Debt	Nil

Pilbara Region of Western Australia

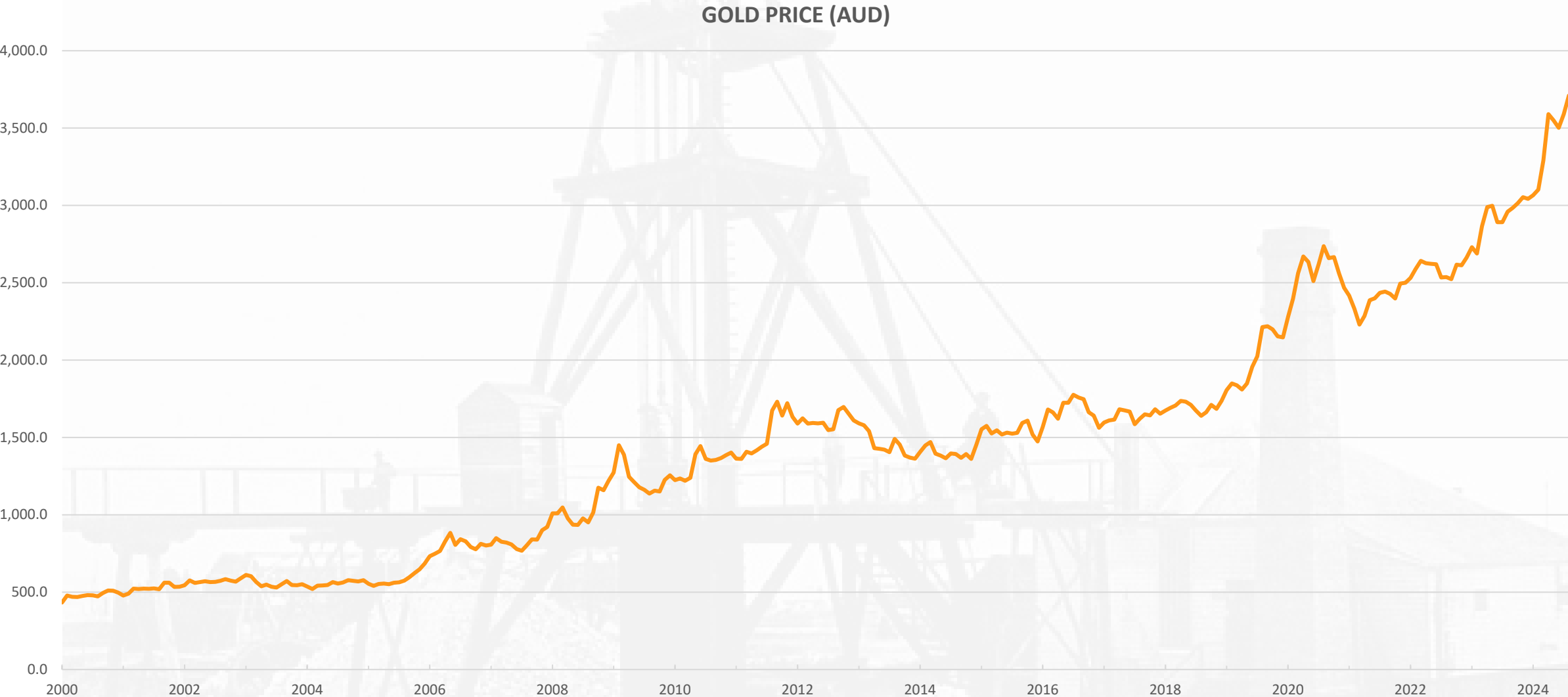
Tambourah Metals Gold and Lithium Projects

Tambourah	➔	Gold
Cheela	➔	Gold
Shaw River	➔	Tin-Tantalum-Lithium
Coondina	➔	Tin & Rare Earths
Russian Jack	➔	Lithium
Haystack Well	➔	Lithium-Tantalum

Tambourah Project Locations – Pilbara Region



Current Market Overview





Exploration Progress & Achievements

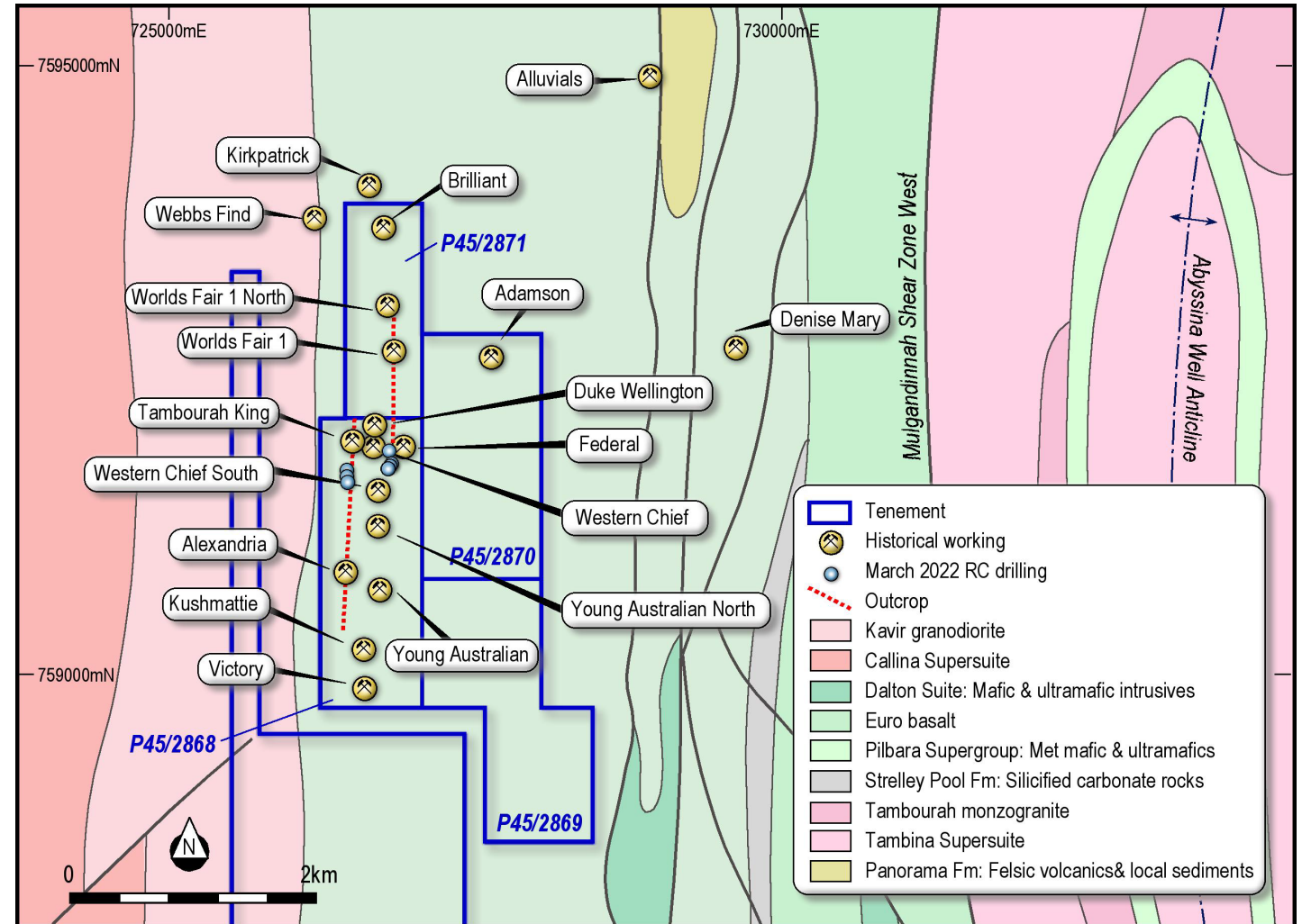
- Tambourah Metals Ltd is developing advanced Gold and Critical Minerals projects in Western Australia.
- Tambourah Metals has consolidated the entire historic Tambourah goldfield in the Pilbara.
- The goldfield has over 20 historic goldmines and prospects over 3km of strike which produced an ounce of gold per ton.
- Historical production of 5,445t ore produced 148.9kg of Gold.
- 2023 RC drilling program confirmed high grade lodes and associated wide intercepts:
 - 2m at 18g/t Au - 1m @ 28g/t
 - 5m at 6.1g/t Au
 - 22m at 1.38g/t Au
- Tambourah RC/DD drilling program commencing ~August 25th, 2024.
- In the Ashburton, Cheela aircore drilling confirmed gold reported in historic drilling and follow up RC drilling will be completed in Q4.
- In the Bryah basin data compilation is continuing at the Neptune Au/Cu Project.
- SQM have completed drilling at the Mogumber project (LCT, base and precious metals) as part of the Julimar Nth project. TMB has an earn-in agreement with SQM, one of the largest lithium producers globally.

Tambourah Gold Project

Tambourah Metals Ltd drill results from Tambourah King confirmed significant results of up to 28g/t Gold including:

- 2m @ 18.0g/t Au from 55m (TBRC026) –
 - Incl 1m @ 20.2 g/t Au from 55 - 56m
- 5m @ 6.1 g/t Au from 69m (TBRC026) –
 - Incl 1m @ 28 g/t Au from 70 – 71m

New drill targets potentially represent intrusion-related gold systems defined by EM and planning is underway to drill test at Worlds Fair in Q2/Q3



Location of Tambourah Historic Gold Mines

Tambourah Gold Project

Tambourah is set to drilling August 27th.

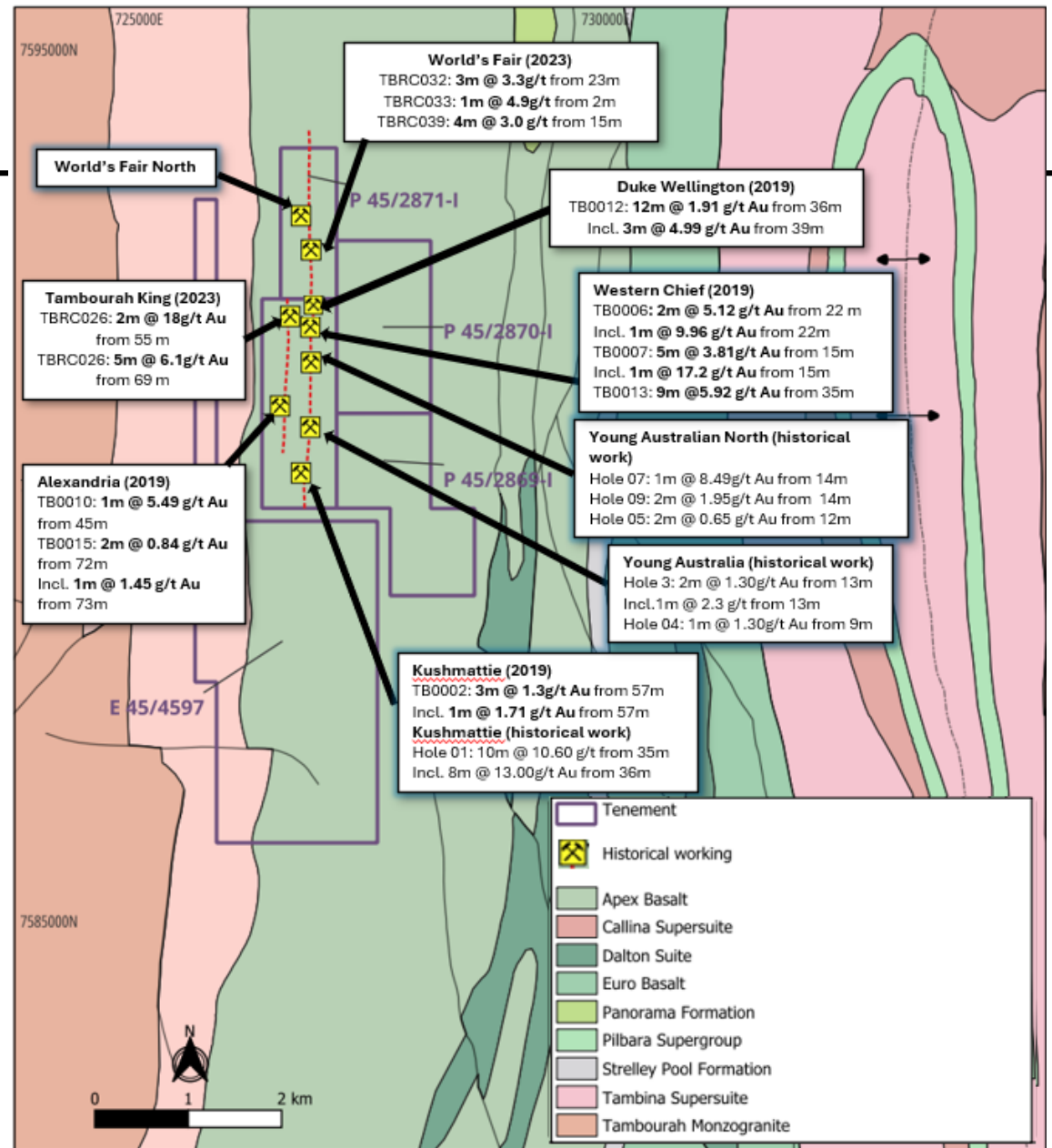
- Tambourah drilling proved the gold prospects extend over 3km strike.
- The next targeted drill program of ~1,200m has been approved and is partly funded by an EIS grant.
- The main focus of the diamond drill program is to test the depth/strike extensions at the World's Fair, Tambourah King and the Federal prospects for intrusion-related and lode gold mineralised systems.



Tambourah Gold Project

Gold mineralisation at the Tambourah Project occurs in steeply dipping pyritic quartz reefs and veins and recently recognised granite-hosted vein systems.

Gold was mined around the turn of the 20th century from the Tambourah and Western Shaw mining centres (Van Kranendonk, 2003). The bulk of the production came from Western Chief and nearby World's Fair mines (McCrow, 2008). Total gold production (alluvial and dollied) from the Tambourah mining centre is reported as 163.2 kg (5,247 oz) (Hickman, 1983).¹



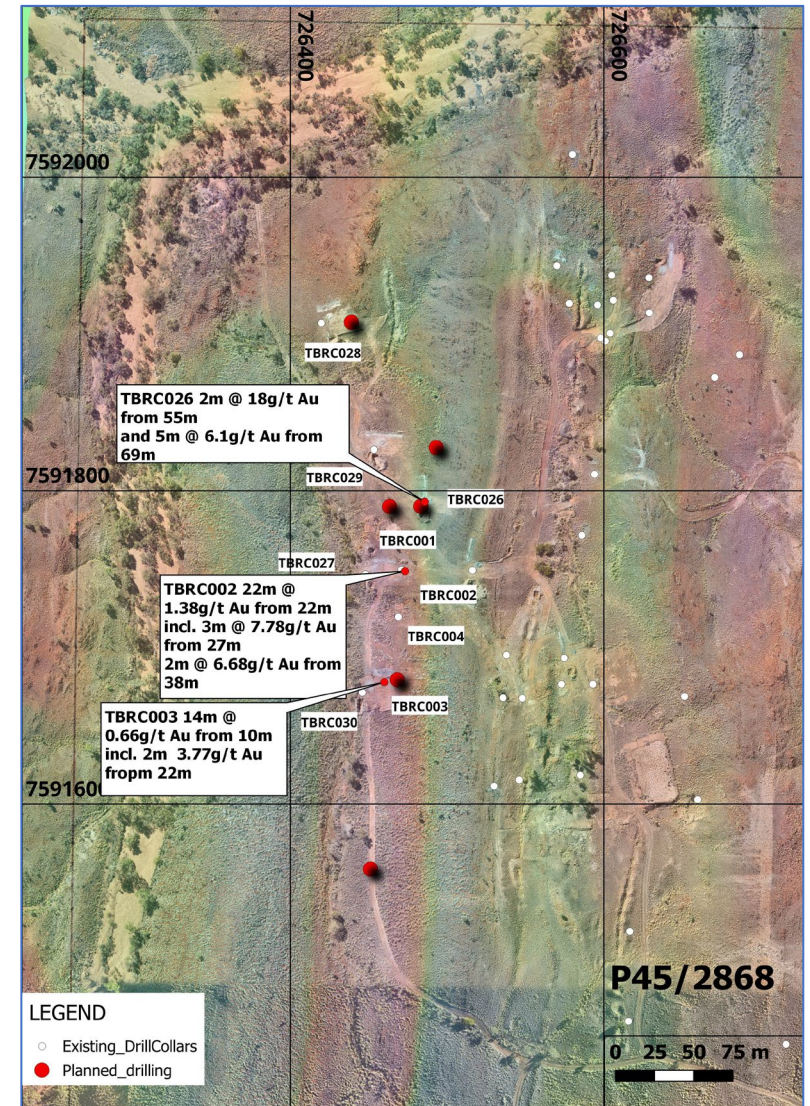
Location of Tambourah Historic & Recent Gold results

1. Tambourah Metals Ltd. (2021). Geology report. In TMB Prospectus (p. 18).

Tambourah Gold Project

Tambourah King

- Extensive shallow workings along line of lode, demonstrated high-grade lodes associated with wide halo of low-grade mineralisation.
- No drilling below 100m vertical, most drilling <60m below surface.
- Incomplete drill testing along strike.
- Drilling targeting high grade lode gold down-dip and down plunge from existing drill intersections, potential for multiple lodes.
- Combination of RC and diamond drilling to identify potential structural control on high-grade shoots. Association with strongly magnetic units.

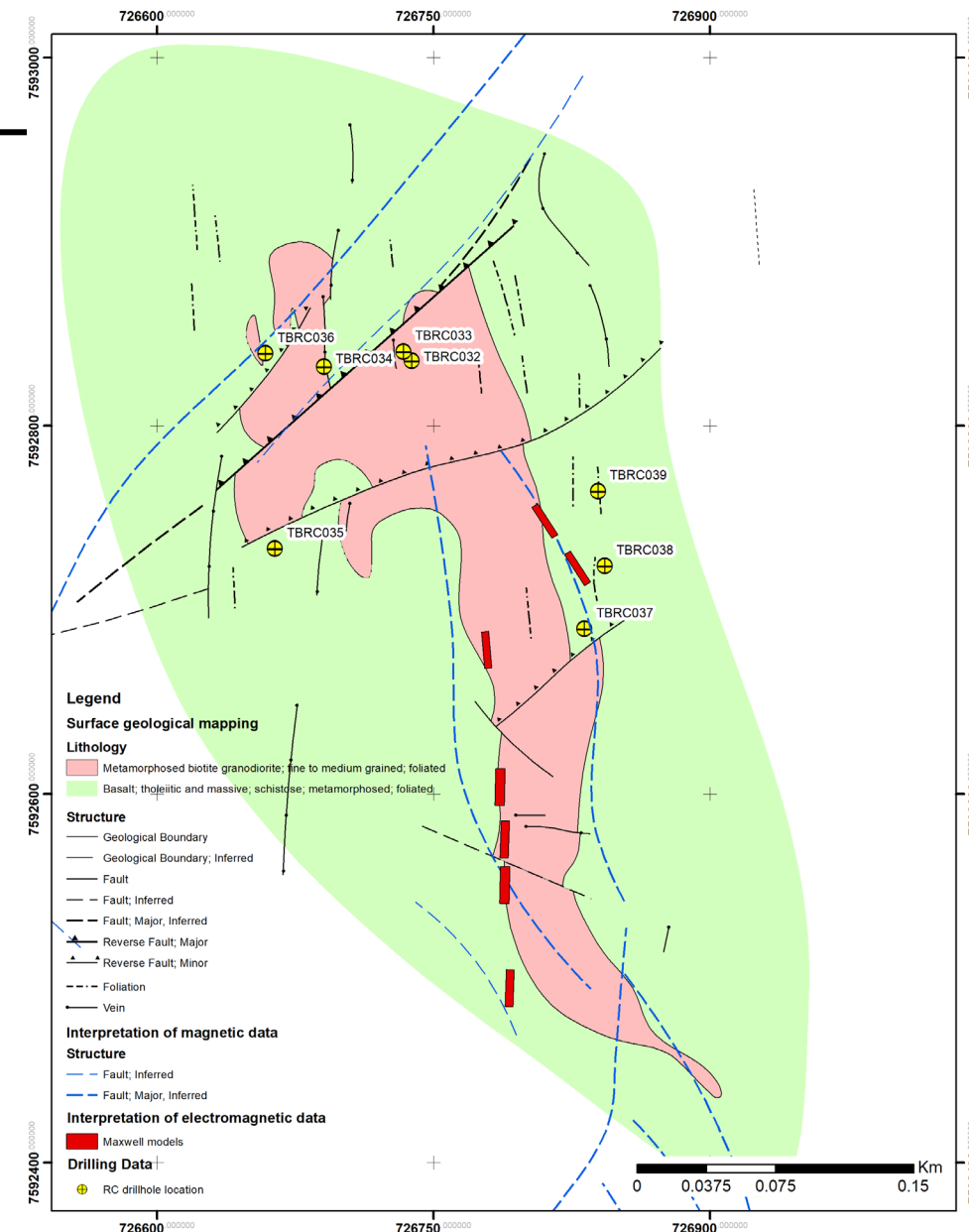


Tambourah 2023 Drilling Results

Tambourah Metals Ltd received positive initial drill results from the World's Fair gold prospect, confirming gold analyses up to 8.4 g/t Gold including:

- 3m @ 3.3g/t Au from 23m (TBRC032) –
 - Incl 1m @ 8.4g/t Au from 23m
- 1m @ 4.9g/t Au from 2m (TBRC033)
- 4m @ 3.0g/t Au from 15m (TBRC039) –
 - Incl 1m @ 8.6g/t Au from 15m

Gold mineralisation was intersected within quartz veined zones within both the amphibolite and the granitoid body.

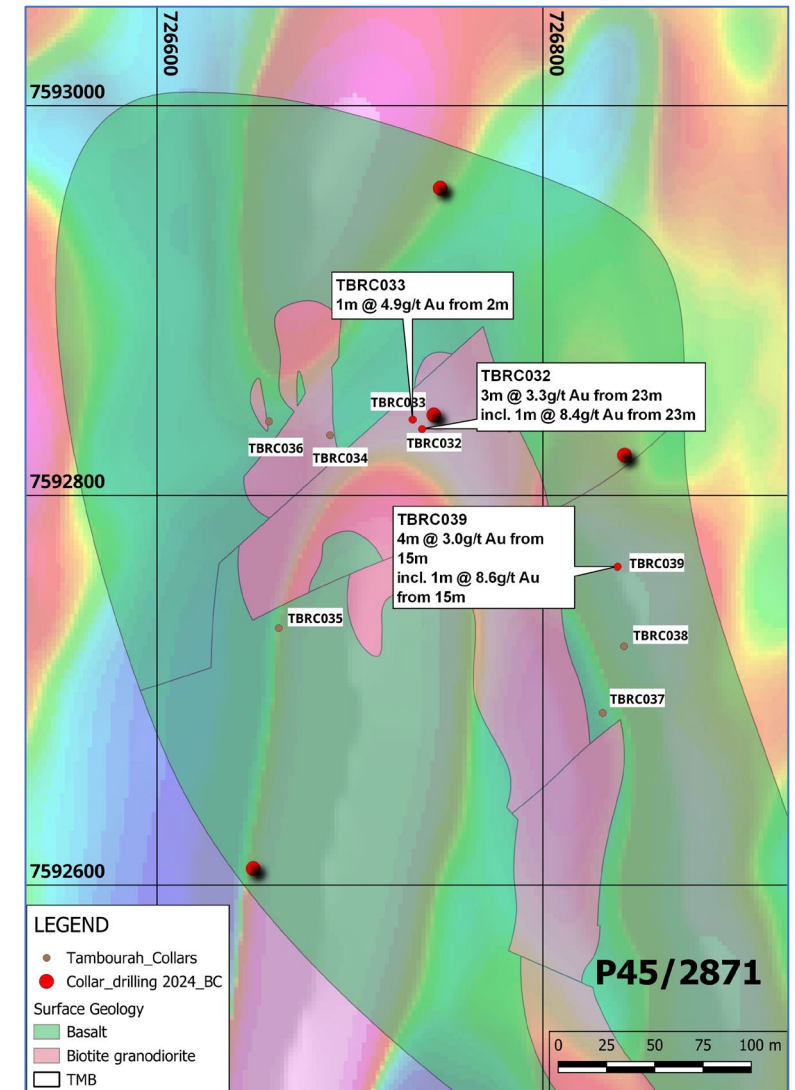


Asx: November 29th 2023 ' Maiden Gold Results from the World's Fair Prospect at Tambourah '

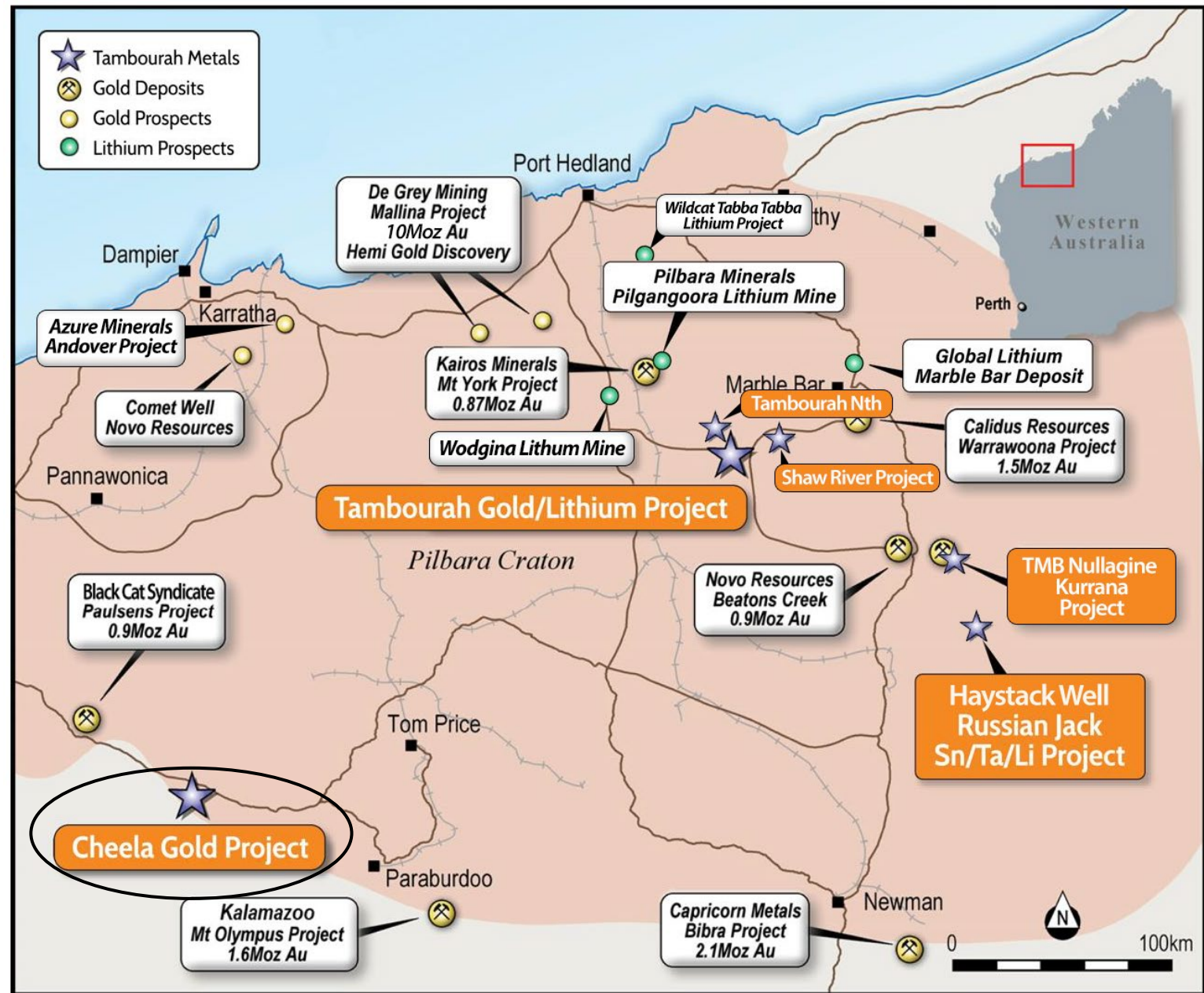
Tambourah Gold Project

World's Fair

- EIS funding for diamond drilling World's Fair intrusion, providing critical structural information on contact relationships, vein density and vein orientation.
- Local, shallow high-grade gold reported from margins of granitoid intrusion over 500m in length.
- RC drilling targeting magnetic units and extensions to World's Fair line of lode.
- Opportunity to identify extensive and previously overlooked intrusion-related gold system.



Cheela Project Location



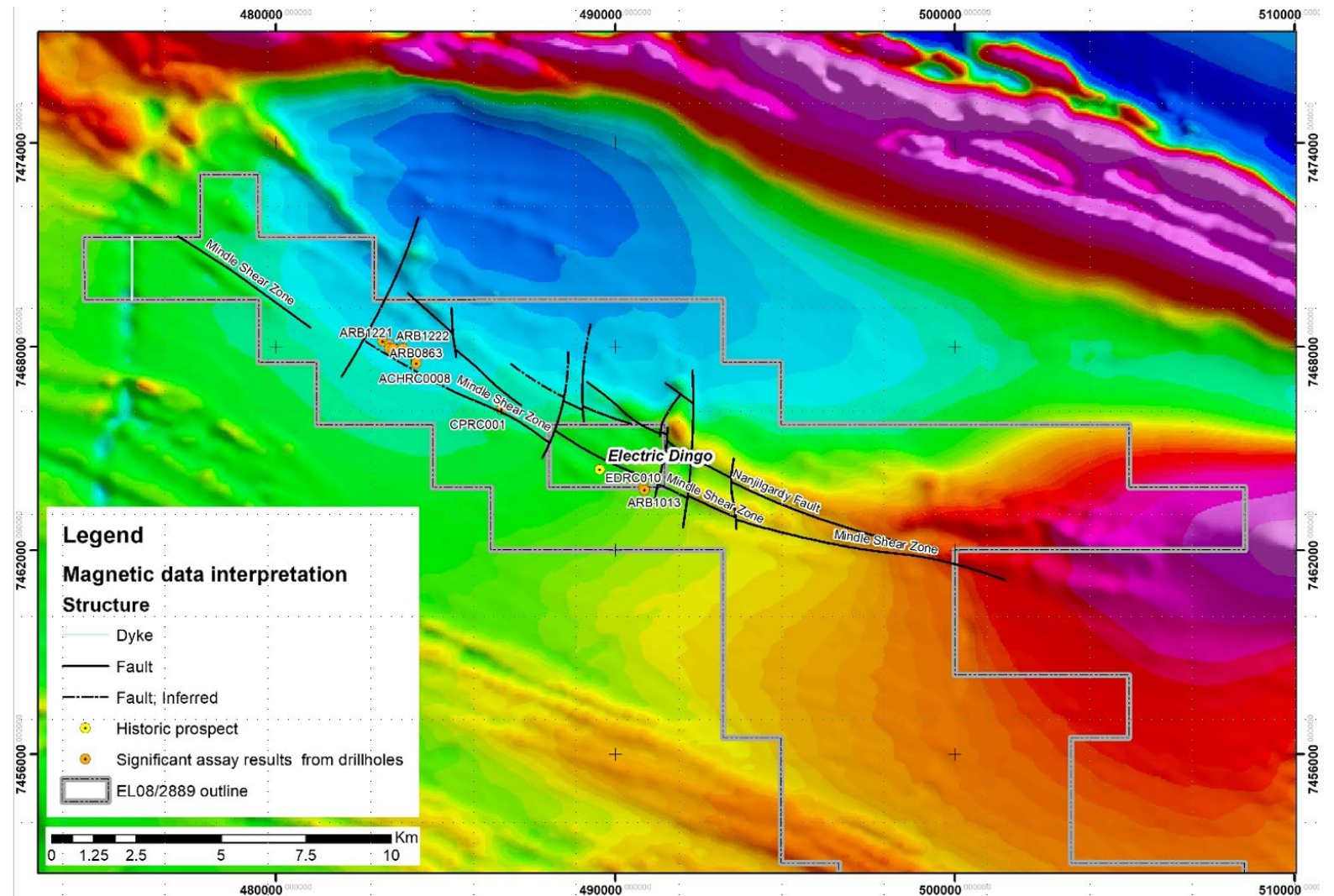
Cheela Drill Program

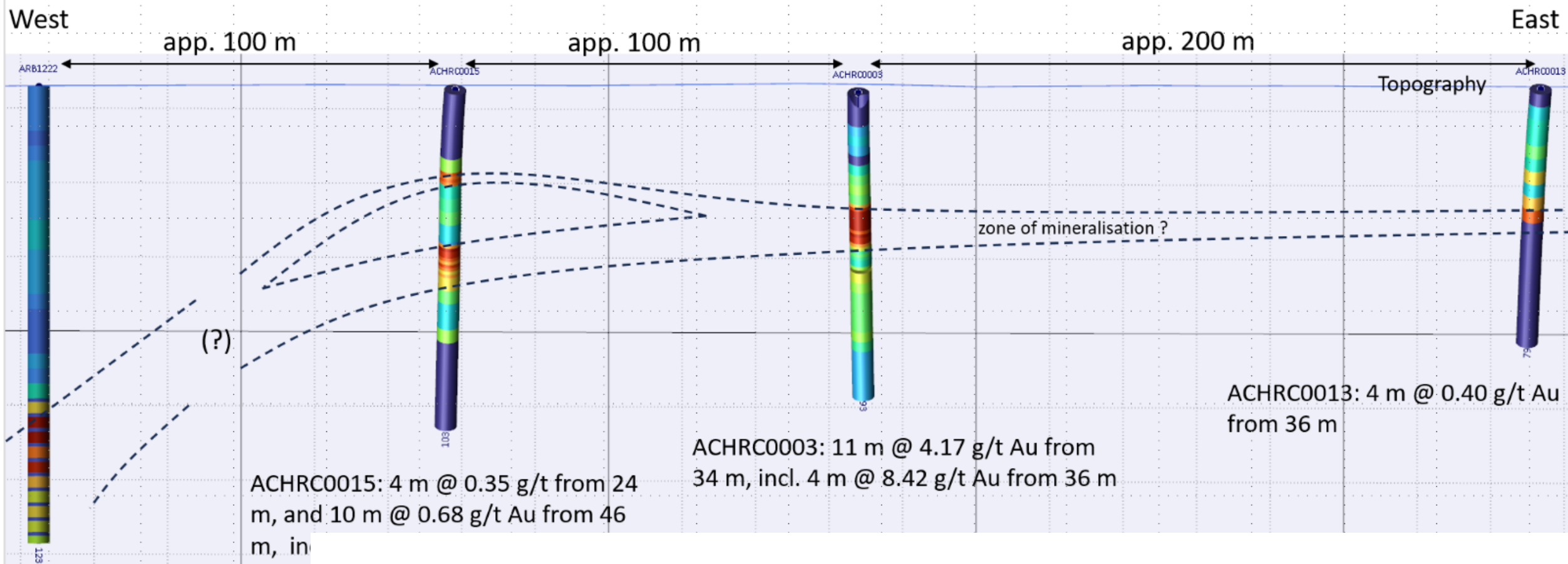
Cheela is located 70km northwest of Paraburdoo and adjacent to the Paraburdoo-Nanutarra Road.

Cheela prospect targeted historic gold intersections including:

- 16m at 4.75g/t Au from 88m, including 8m at 8.59g/t Au

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



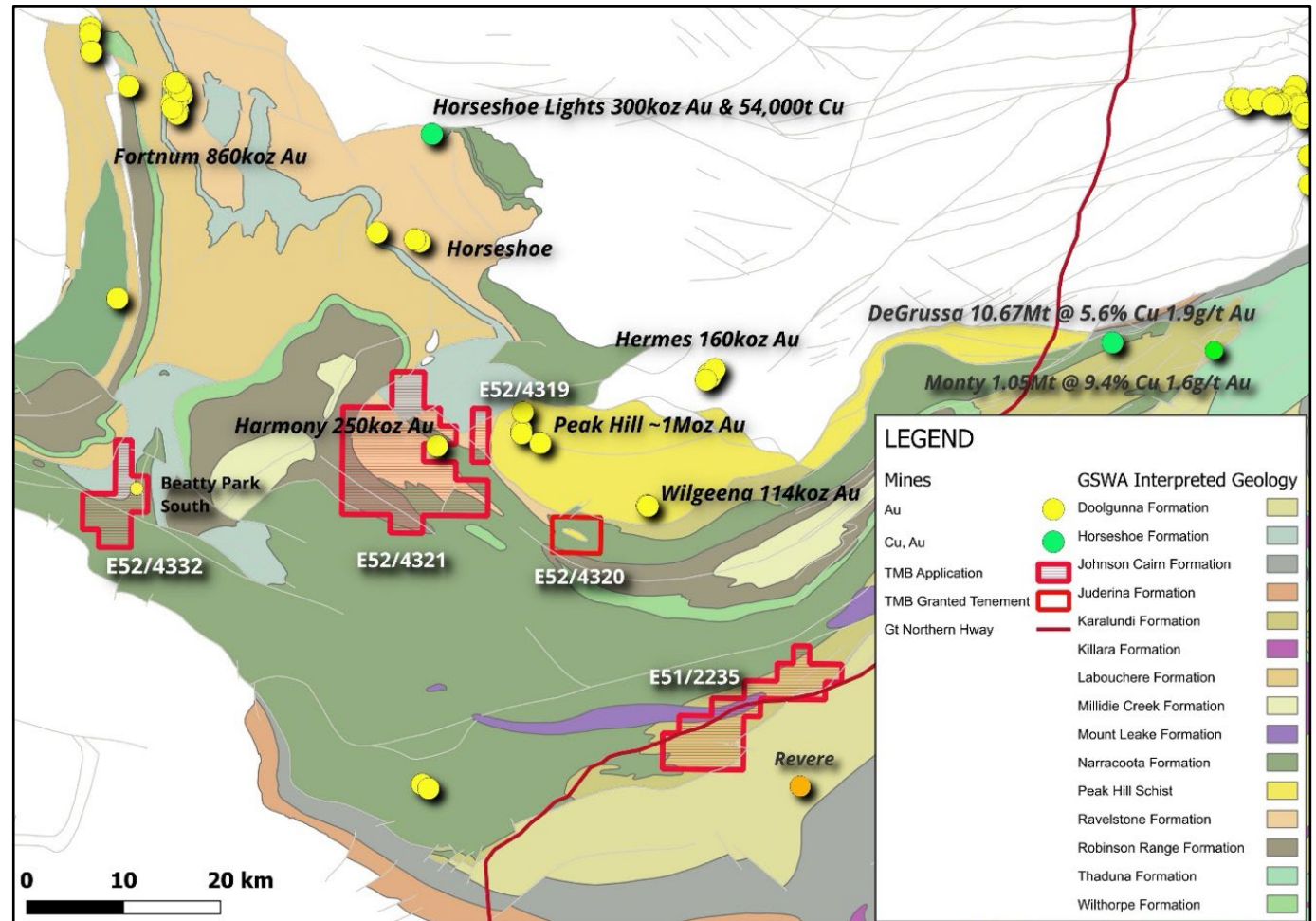


The drilling program will target historic high grade drill intersections reported by Newcrest Mining and Northern Star (see above), including

- 10m at 3.85g/t Au from 88m, including 8m at 8.59g/t Au from 88m² (ARB1222, Newcrest) and
- 11m at 4.17/t Au from 34m, including 4m at 8.42g/t Au from 36m³ (ACHRC003, Northern Star).

Bryah Cu-Au project

- Located 150km from north of Meekathara
- E52/4320, within the Bryah Basin and 60km southwest of the DeGrussa-Monty high grade copper-gold mine. The Bryah Basin is a major province for for VHMS copper-gold and Proterozoic gold mineralisation.
- Tambourah tenement applications include E52/4321, partially surrounding the 250 000oz Au Harmony mine and historic gold prospects at Beatty Park South and Baxters South.
- Extensive historic dataset including electromagnetic and gravity surveys, AC, RC and diamond drilling to be reviewed.



Bryah Basin Location Map

Beatty Park Au prospect

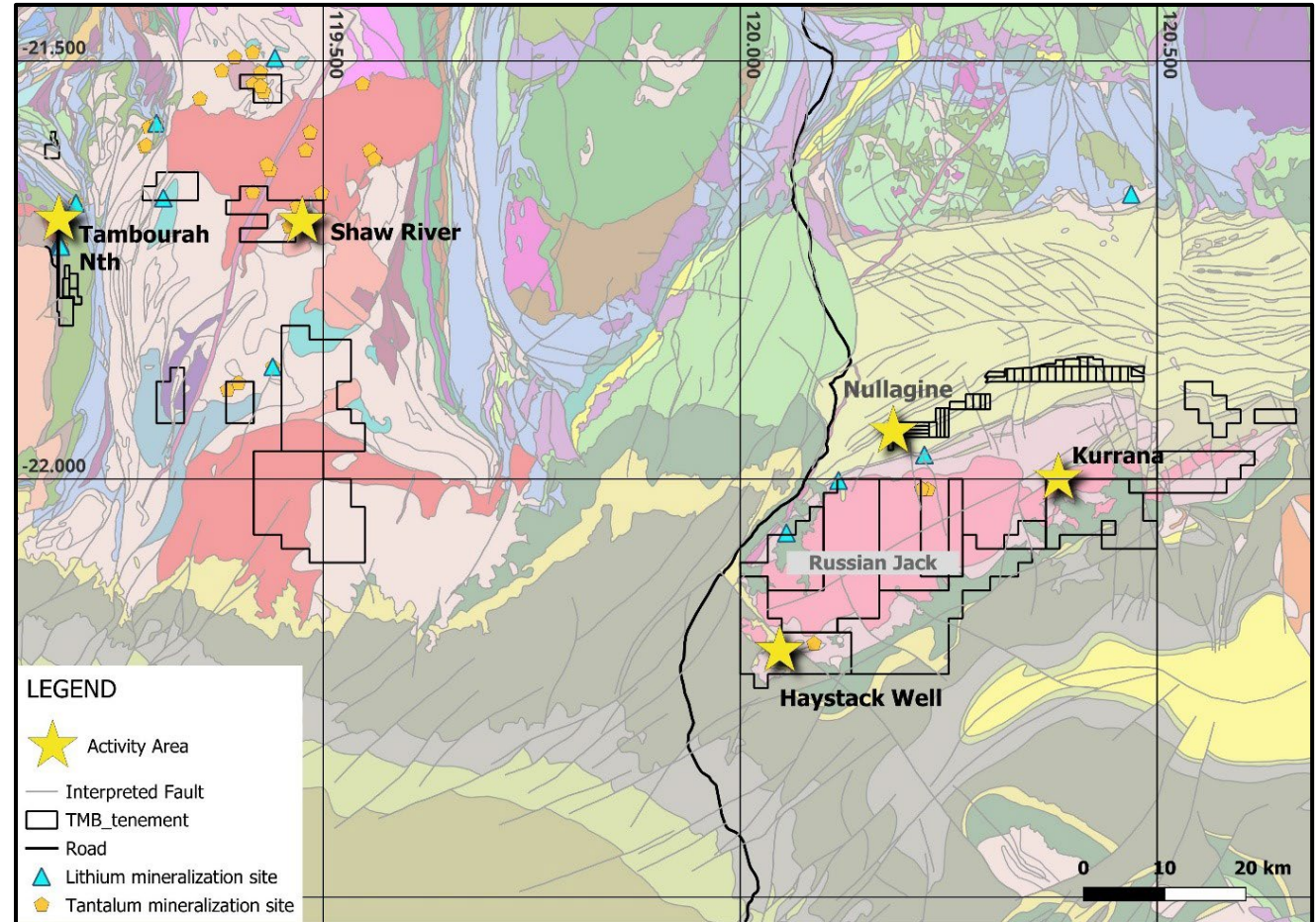
- Located on upper contact Narracoota Fm. Primary target for gold mineralisation in the Bryah Basin.
- Historic drilling intersected high-grade gold up to 5m at 22.92g/t Au in highly altered mafic-ultramafic rocks of the Narracoota Fm below a contiguous gold in soil anomaly.
- Follow up will include 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

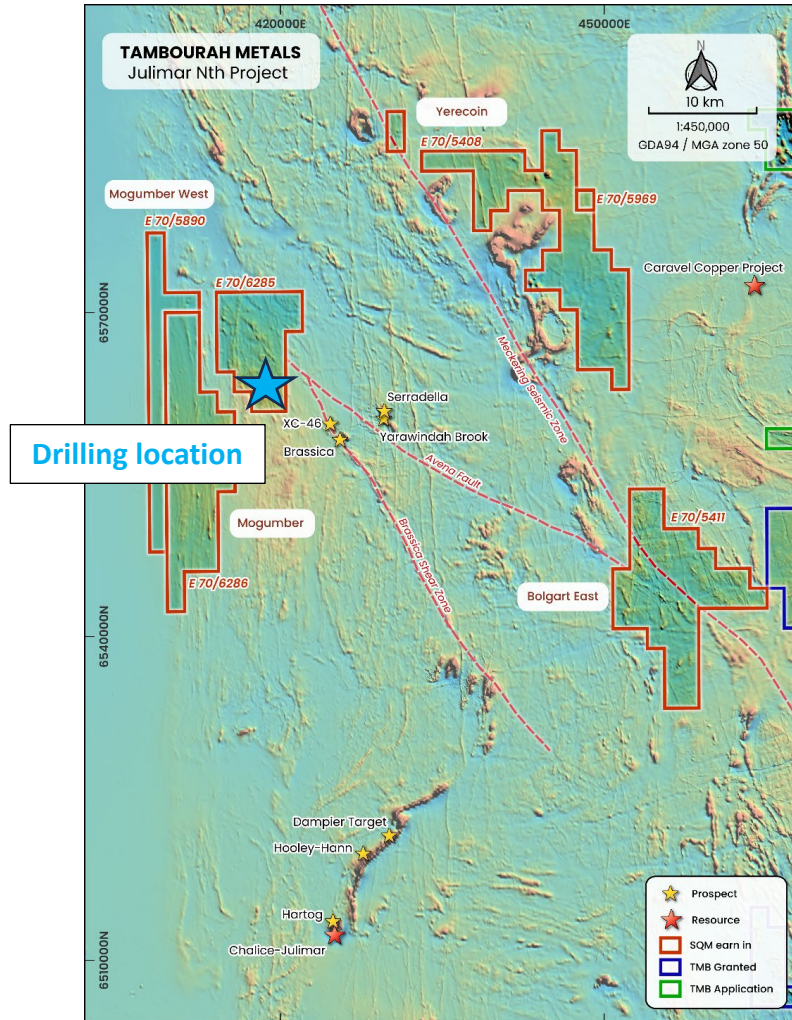
Pilbara - Tin – Tantalum – Lithium Projects

Recent Assay Results include:

- Assay results from Tambourah North, Shaw River and Haystack Well sampling have reported highly anomalous Li, Cs, Rb, Sn and Ta.
- At Haystack Well individual assays reported up to 1% Li₂O.
- Samples from Shaw River reported up to 4823ppm Li₂O (0.48% Li₂O).
- Samples from Tambourah North reported up to 1960ppm Li₂O (0.19% Li₂O).
- Pegmatites identified at the new Kurrana project, assays pending.



Julimar Nth



Julimar Nth drilling location plan.

Aircore drilling program carried out by earn-in partner Sociedad Quimica y Minera de Chile S.A. (SQM) at Mogumber, part of the Julimar Nth project located 100km north of Perth, Western Australia

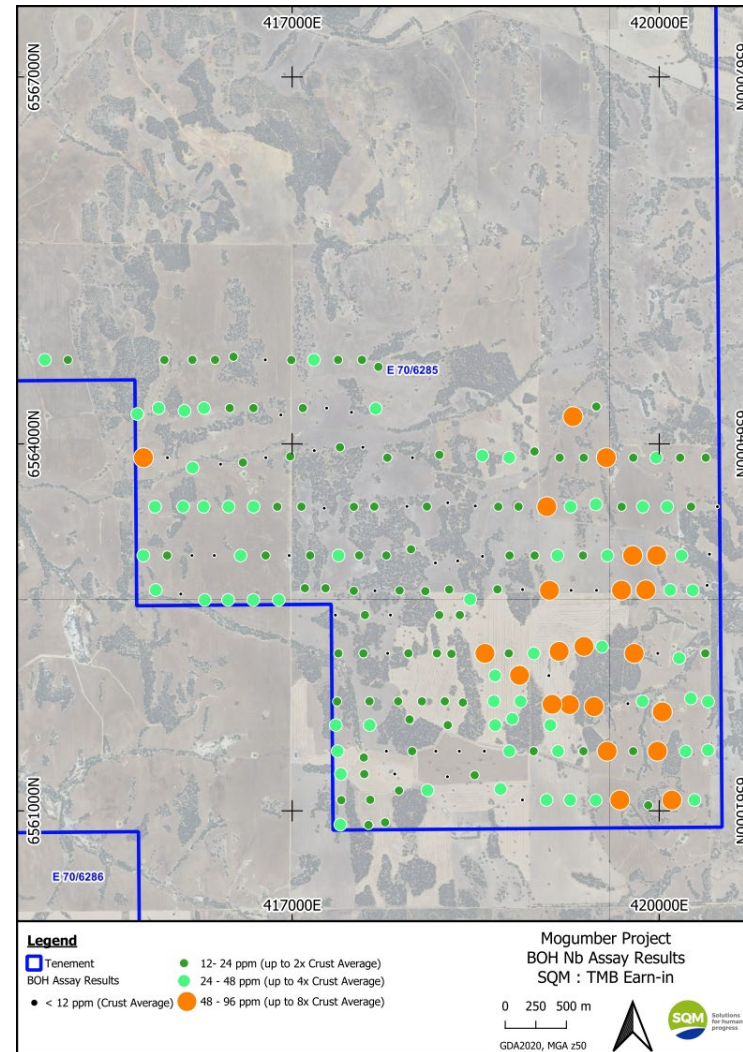
The drilling program comprising 220 aircore holes for a total 5287m was completed over an area of approximately 3.8km by 4.7km

A preliminary assessment of the assay results identified a contiguous low-level Ta-Nb geochemical anomaly in 1 metre bottom of hole samples that extends in a north-south orientation for the 3,000m covered by the drill program

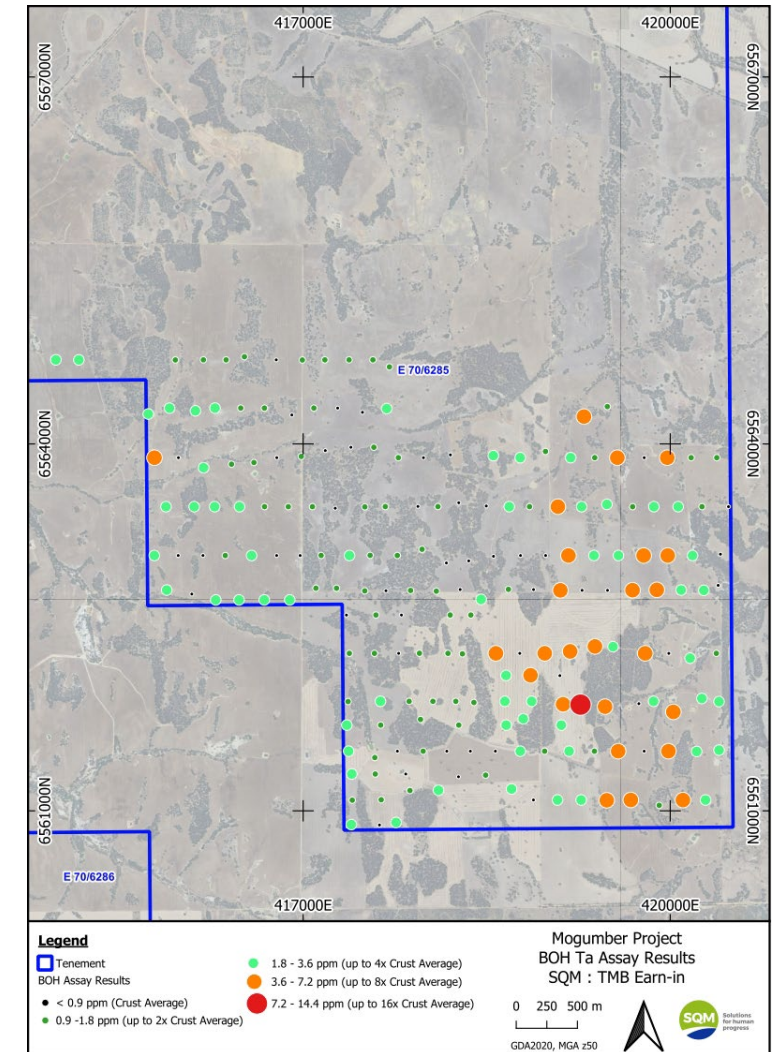
Julimar Nth

The next phase of exploration at Mogumber and continues to advance exploration at the Julimar Nth project with data from the recently completed regional aeromagnetic survey currently being processed.

- First-pass recce AC drilling.
- Contiguous Ta-Nb anomaly in EOH over 3km.
- Open along strike.
- SQM completed 15 000 line km aeromagnetic survey as part of their \$1.5M earn-in.



Distribution of end of hole Niobium showing anomalous zone.



Distribution of end of hole Tantalum showing anomalous zone.

Proposed Work Programs 2024

Projects	August/September – CY2024	Q4 – CY2024	Q1 – CY2025
Tambourah - Au	<ul style="list-style-type: none"> Diamond & RC Drilling at Au Targets 	<ul style="list-style-type: none"> Assay results 	<ul style="list-style-type: none"> Prepare & Process drill plans at Tambourah King
Cheela Gold - Au	<ul style="list-style-type: none"> RC Drilling at Cheela gold prospects 	<ul style="list-style-type: none"> Complete RC drilling 	<ul style="list-style-type: none"> Extending Drilling & Soil Sampling program
Shaw River – Li Sn Ta	<ul style="list-style-type: none"> Tin targets-mapping and sampling 	<ul style="list-style-type: none"> Results of sampling 4km of alluvial tin dumps. 	<ul style="list-style-type: none"> Proposed sampling untested pegmatite locations
Russian Jack & Haystack Well – Li	<ul style="list-style-type: none"> Interpretation of hyperspectral data (R&D – CSIRO research collaboration) 	<ul style="list-style-type: none"> Fieldwork following up magnetic survey 	<ul style="list-style-type: none"> Process hyperspectral survey and identify drill targets
Julimar Nth – Ni-PGE-Cu	<ul style="list-style-type: none"> Drilling Results 3km Ta-Nb anomaly, resampling of pulps for Au and REE. 	<ul style="list-style-type: none"> Magnetic Survey Interpretation 	<ul style="list-style-type: none"> Follow up sampling program, target locations provide by SQM earn-in.
Achilles – Ni-PGE	<ul style="list-style-type: none"> EIS grant \$180k, seeking JV to DD 18 of 22 identified EM conductors 	<ul style="list-style-type: none"> Access & Drill Hole Locations EM Survey 	<ul style="list-style-type: none"> Proposed JV partner

Summary

Gold & Critical Minerals

- ✓ Exploration for Gold is advancing rapidly.
- ✓ Further drilling is proposed at Cheela Gold project.
- ✓ Diamond drilling at Tambourah Gold prospects.
- ✓ EIS grant for diamond drilling at Tambourah Goldfield.
- ✓ Data compilation at Bryah Basin Au-Cu project has commenced, advanced gold targets identified.
- ✓ Extensive Tin pegmatites identified and sampled at Shaw River & Haystack Well
- ✓ New Lithium exploration at Lake Johnson SE
- ✓ CSIRO collaboration, assessing Lithium pegmatites at the Russian Jack Project & Haystack Well
- ✓ Julimar Nth completed A/C drilling work with SQM Earn-in



Tambourah

Metals Ltd

ASX:TMB

tambourahmetals.com.au

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

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