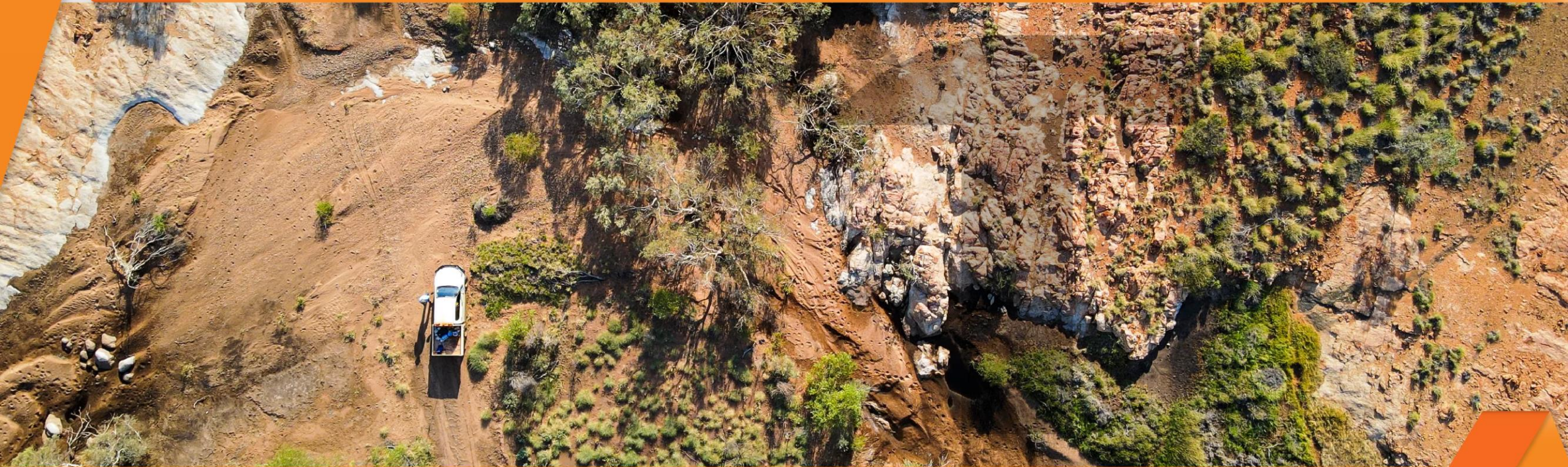


# Tambourah

— Metals Ltd —

## Investor Presentation August 2024



ASX: TMB

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

August 2024



# Forward Looking Statements and Disclaimer

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No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this presentation. To the maximum extent permitted by law, none of Tambourah Metals Ltd ("the Company"), their directors, employees or agents, nor any other person accepts any liability, including, without limitation, any liability arising out of fault or negligence, for any loss arising from the use of the information contained in this presentation. In particular, no representation or warranty, express or implied, is given as to the accuracy, completeness or correctness, likelihood of achievement or reasonableness or any forecasts, prospects or returns contained in this presentation nor is any obligation assumed to update such information. Such forecasts, prospects or returns are by their nature subject to significant uncertainties and contingencies.

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 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 announcement noted above

Authorised by the Board of Tambourah Metals Ltd.

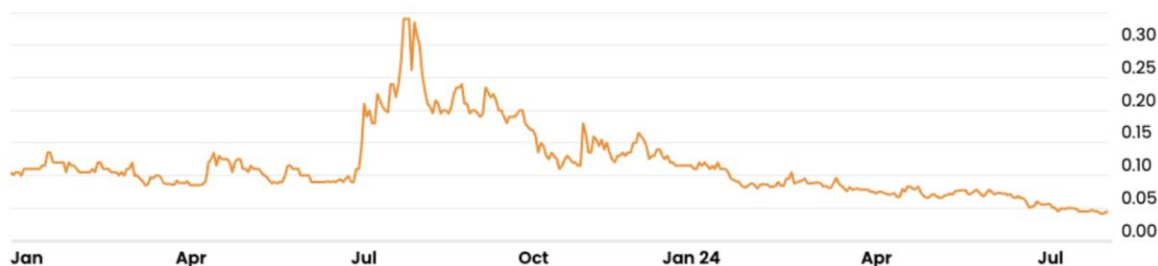
# Introduction



# 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>Wayne Richards</b> Non-Executive Director GAICD, BSc	<ul style="list-style-type: none"> <li>30+ years' experience of study execution, project development, mining, mineral processing and corporate financing experience.</li> <li>Extensive Lithium exploration and project development knowledge.</li> <li>Previously Managing Director and Chief Executive Officer of Burley Minerals Ltd, and Executive Chairman and CEO of Tawana Resources.</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</li> </ul>
<b>Bill Clayton</b> Geology Manager	<ul style="list-style-type: none"> <li>Experienced mining professional. Skilled in Mineral Exploration, Exploration Management, ASX reporting, Gold, Copper and Nickel.</li> </ul>

## Share Price - 1<sup>st</sup> Jan 2023 – July 2024



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

## Corporate Snapshot

Share Price (29/07/2024)	\$0.047
Share Capital (ASX:TMB)	80.4m
Unlisted Options (25c, 30c)	14.0m
Market Capitalisation	\$3.19M
Cash <sup>1</sup>	\$2.3m
Debt	Nil



# Exploration Progress & Achievements

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Tambourah Metals Ltd is developing advanced Gold and Critical Minerals projects in Western Australia.

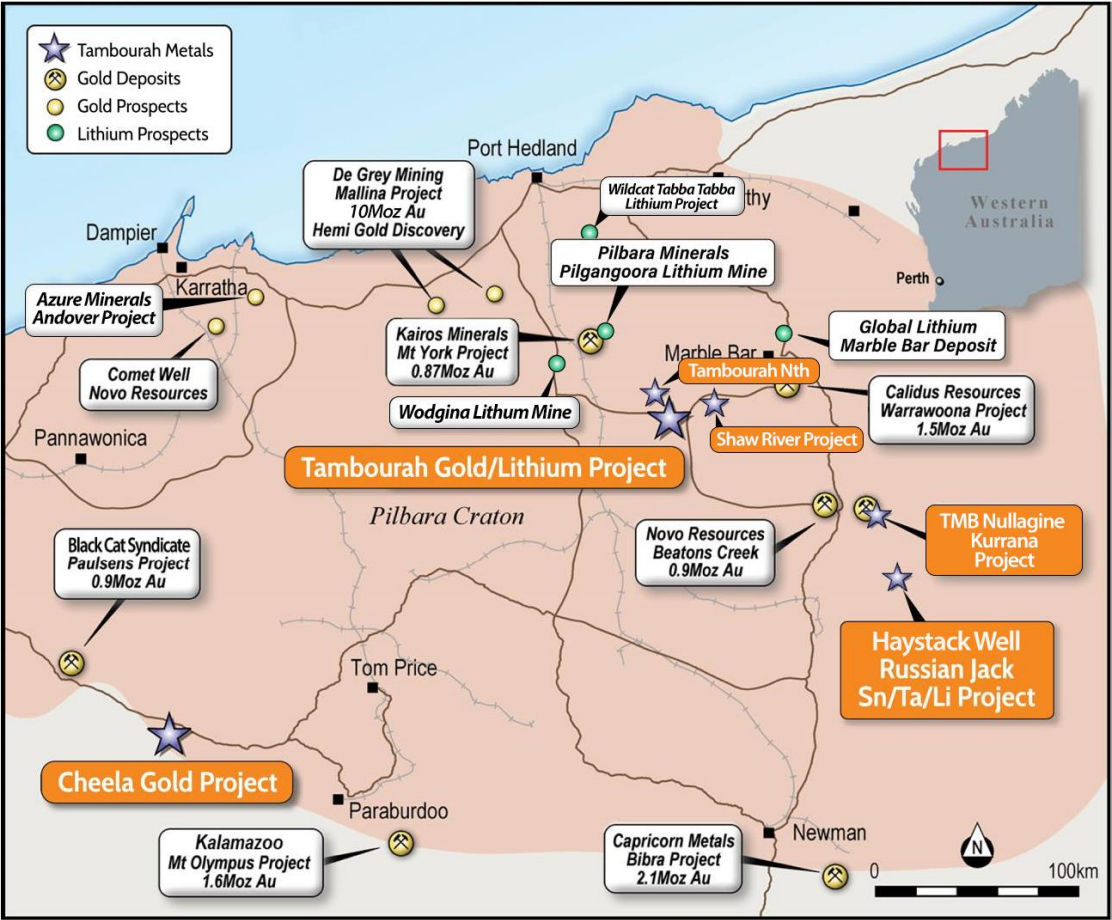
- Tambourah Goldfield has over 20 historic goldmines and prospects over 3km of strike
- 2023 RC drilling program confirmed high grade lodes:
  - 2m at 18g/t Au
  - 5m at 6.1g/t Au
- RC/DD drilling program commencing Q3
- Mining lease applications processing
- Historical production of 5,445t ore for 148.9kg of Gold
- At Cheela aircore drilling confirmed gold reported in historic drilling and follow up RC drilling will be completed in Q4.
- Exploration for Tin is continuing at Shaw River and Coondina
- SQM have completed drilling at the Mogumber project as part of the Julimar Nth project. TMB has an earn-in agreement with SQM, one of the largest lithium producers globally.
- Advancing REE and LCT projects in the Pilbara.

# 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





# Tambourah Gold Project

Tambourah completed a 2000m RC drill program in Sept 2023 following on from our March 2022 RC drilling program.

- Tambourah proved the gold prospects extend over 3km strike.
- The next drill program of 2,500m has been planned at Tambourah Goldfield.
- The main focus of the diamond drill program in Q3 will be to test the depth/strike extensions at the World's Fair and the Federal prospects for the different types of gold mineralised systems.



# Current Market Overview

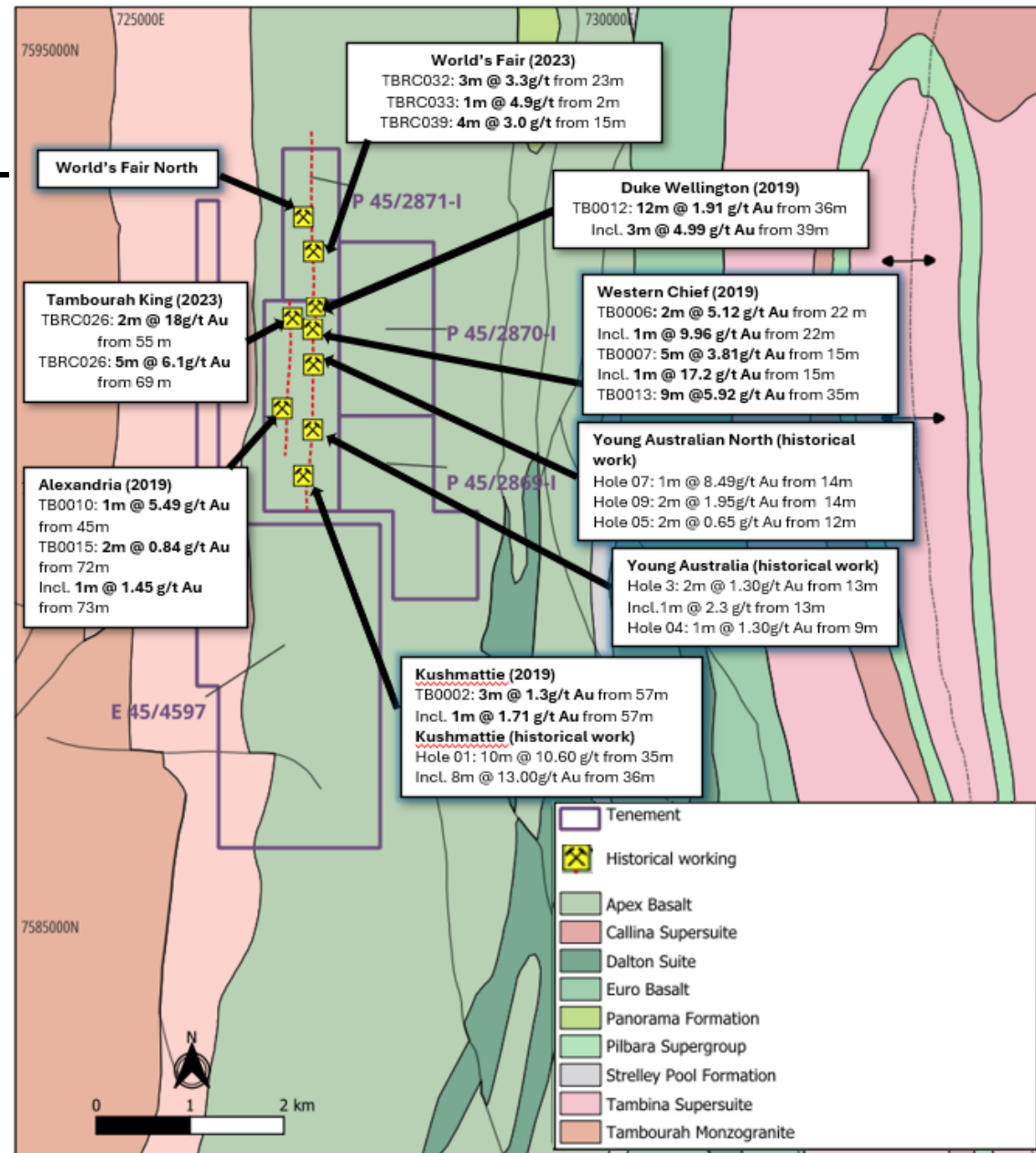




# Tambourah Gold Project

*Gold mineralisation at the Tambourah Project occurs in pyritic quartz reefs and veins.*

*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).<sup>1</sup>*



Location of Tambourah Historic & Recent Gold results

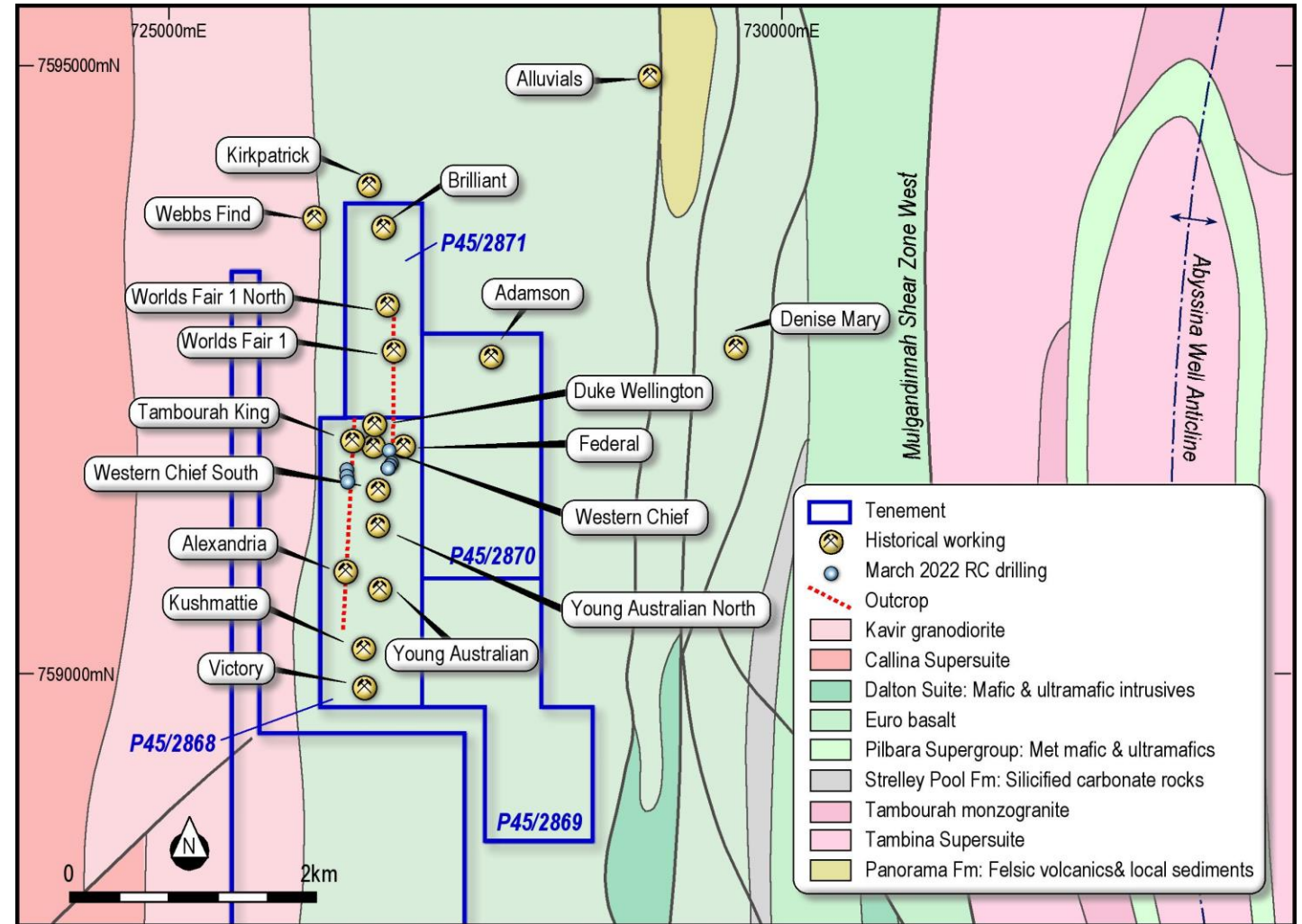
1. Tambourah Metals Ltd. (2021). Geology report. In TMB Prospectus (p. 18).

# 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



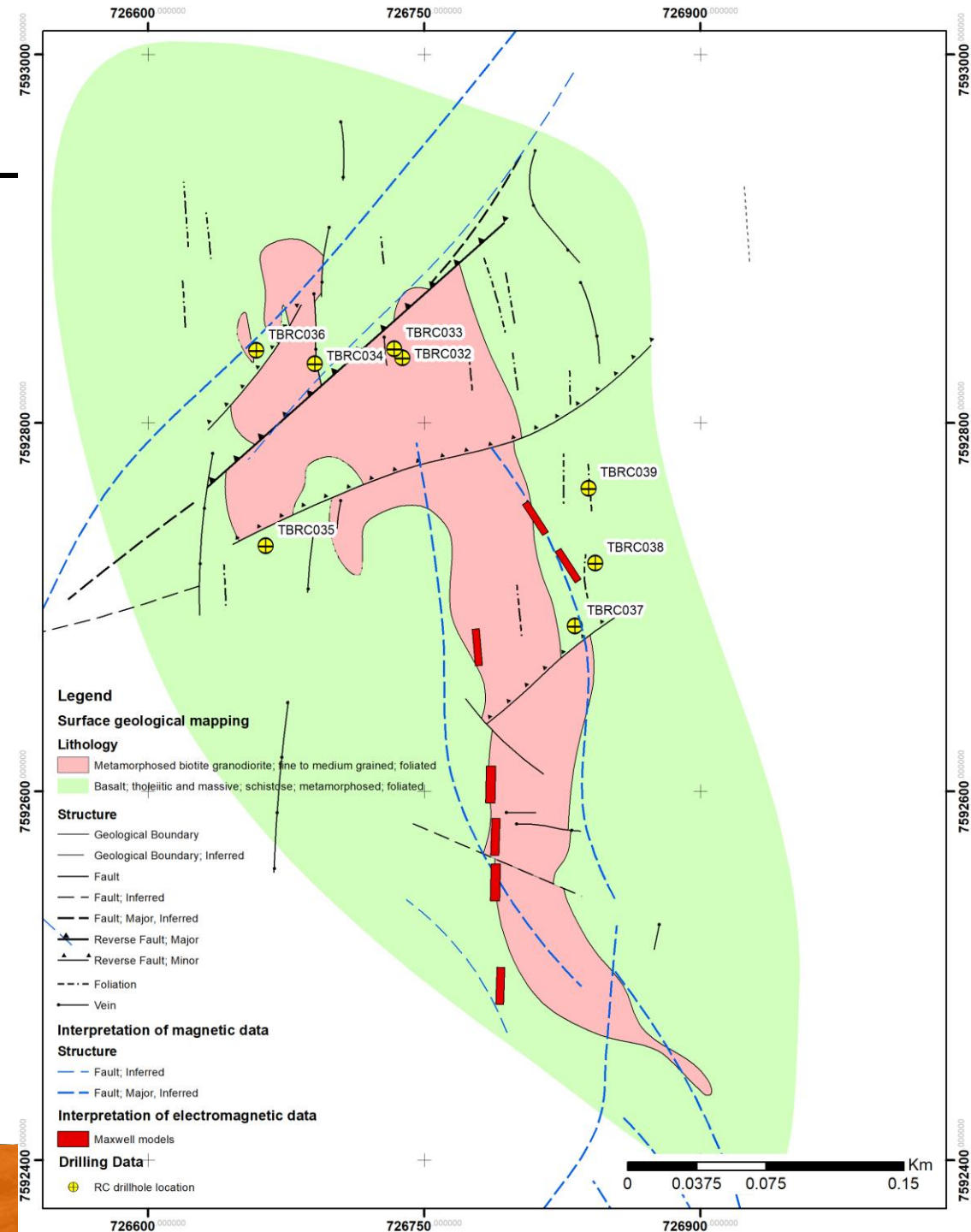
# Tambourah 2023 Drilling Results

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:

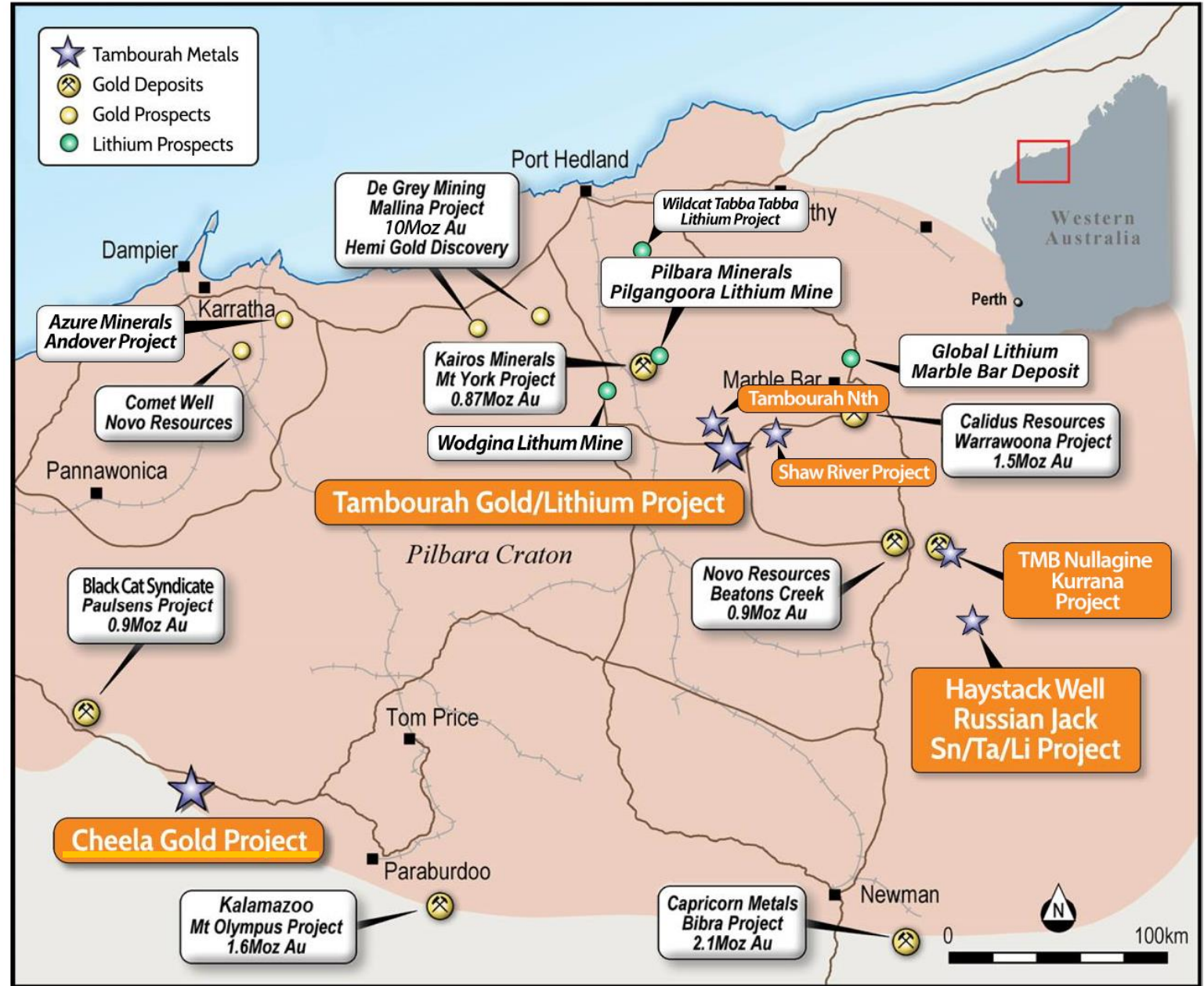
- 3m @ 3.3g/t Au from 23m (TBRC032) –
  - Incl 1m @ 8.4g/t Au from 23m
- 1m @ 4.9g/t Au from 2m (TBRC033)
- 4m @ 3.0g/t Au from 15m (TBRC039) –
  - Incl 1m @ 8.6g/t Au from 15m

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

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

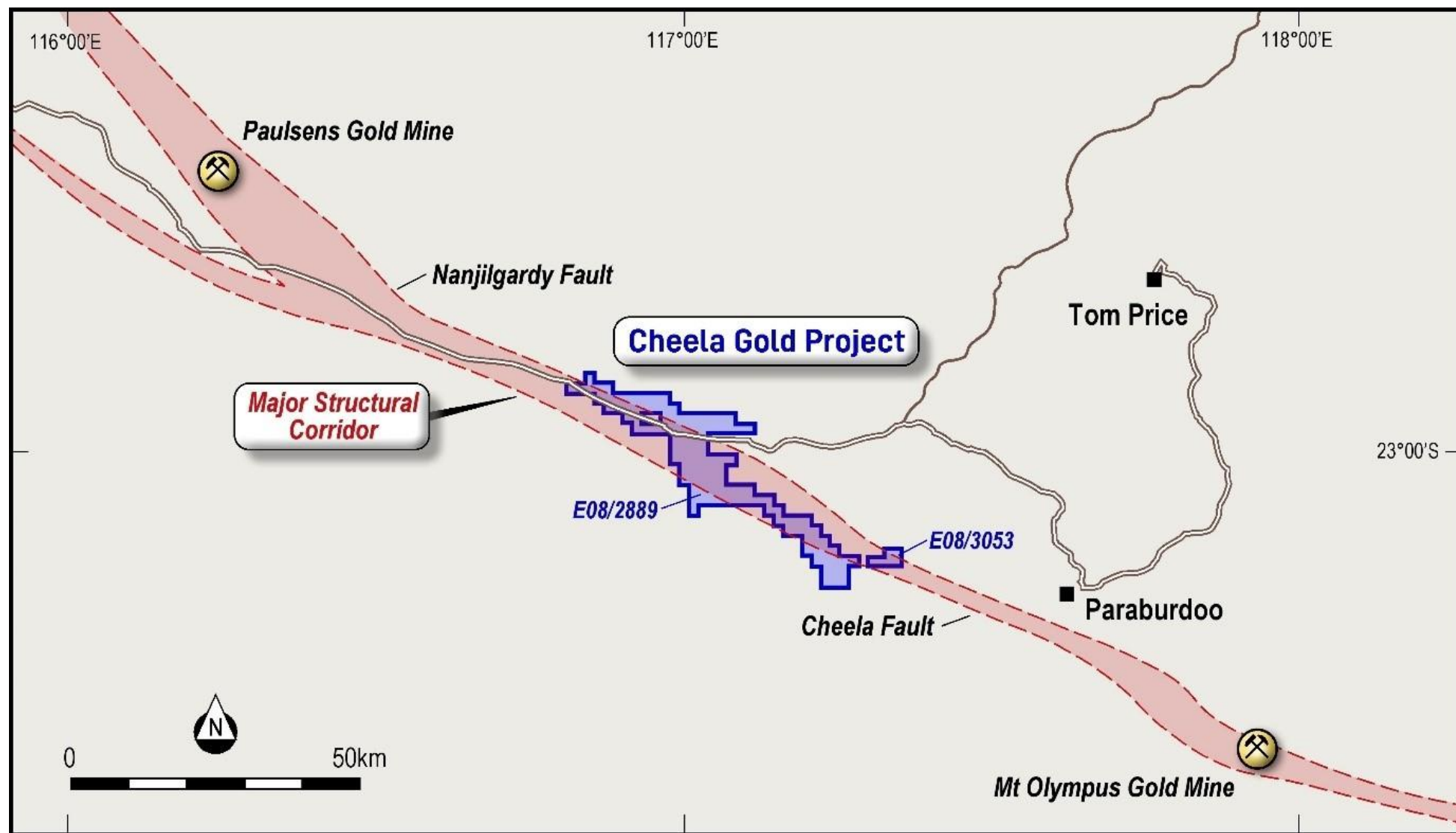


# Cheela Project Location





# Cheela Drill Program



# Cheela Drill Program

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

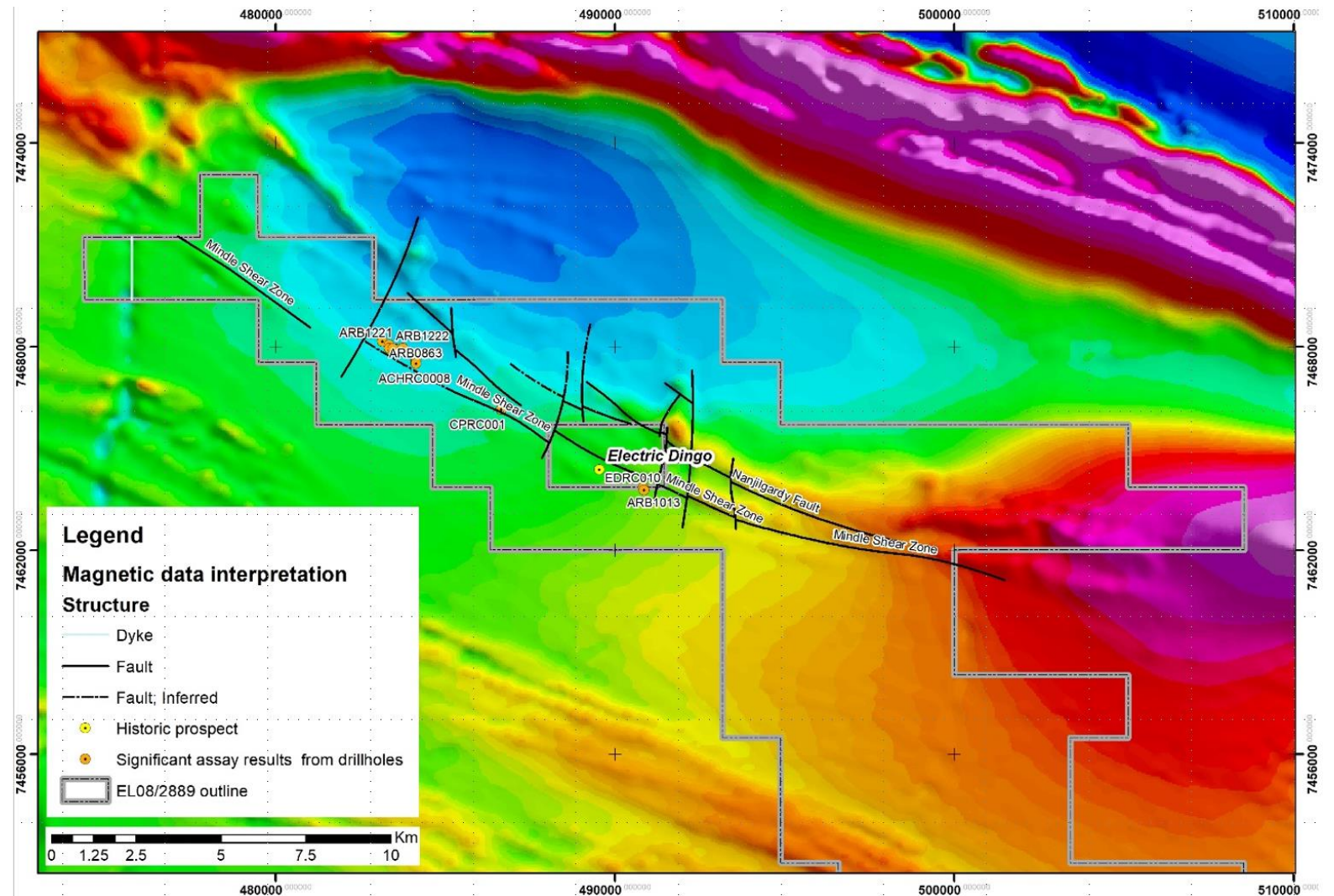
Cheela prospect targeted historic gold intersections including:

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

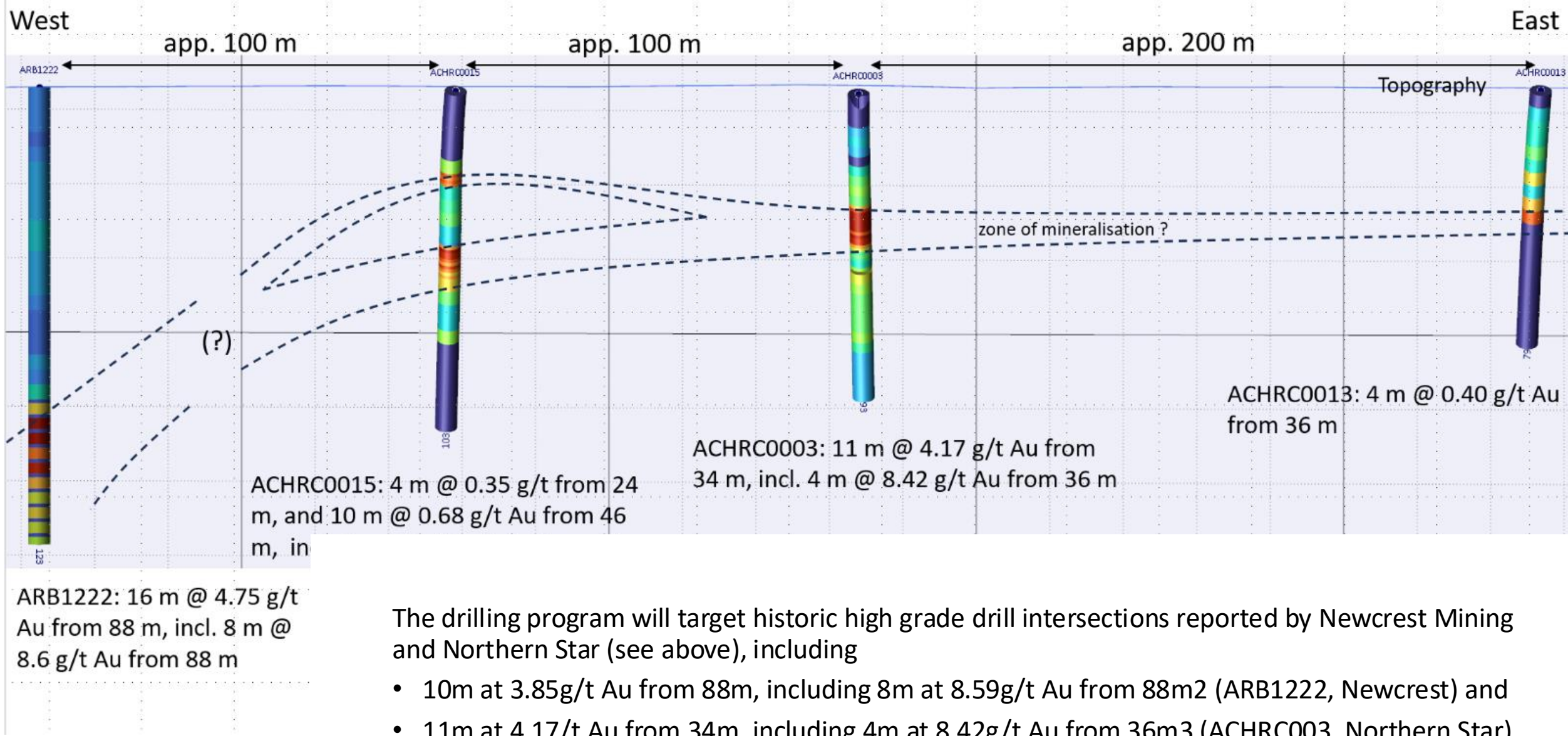
Recent Drilling by TMB confirmed shallow gold:

- 5m at 1.1g/t Au from 33m in CHAC003, including 1m at 2.85g/t Au

RC drilling planned to commence Q4





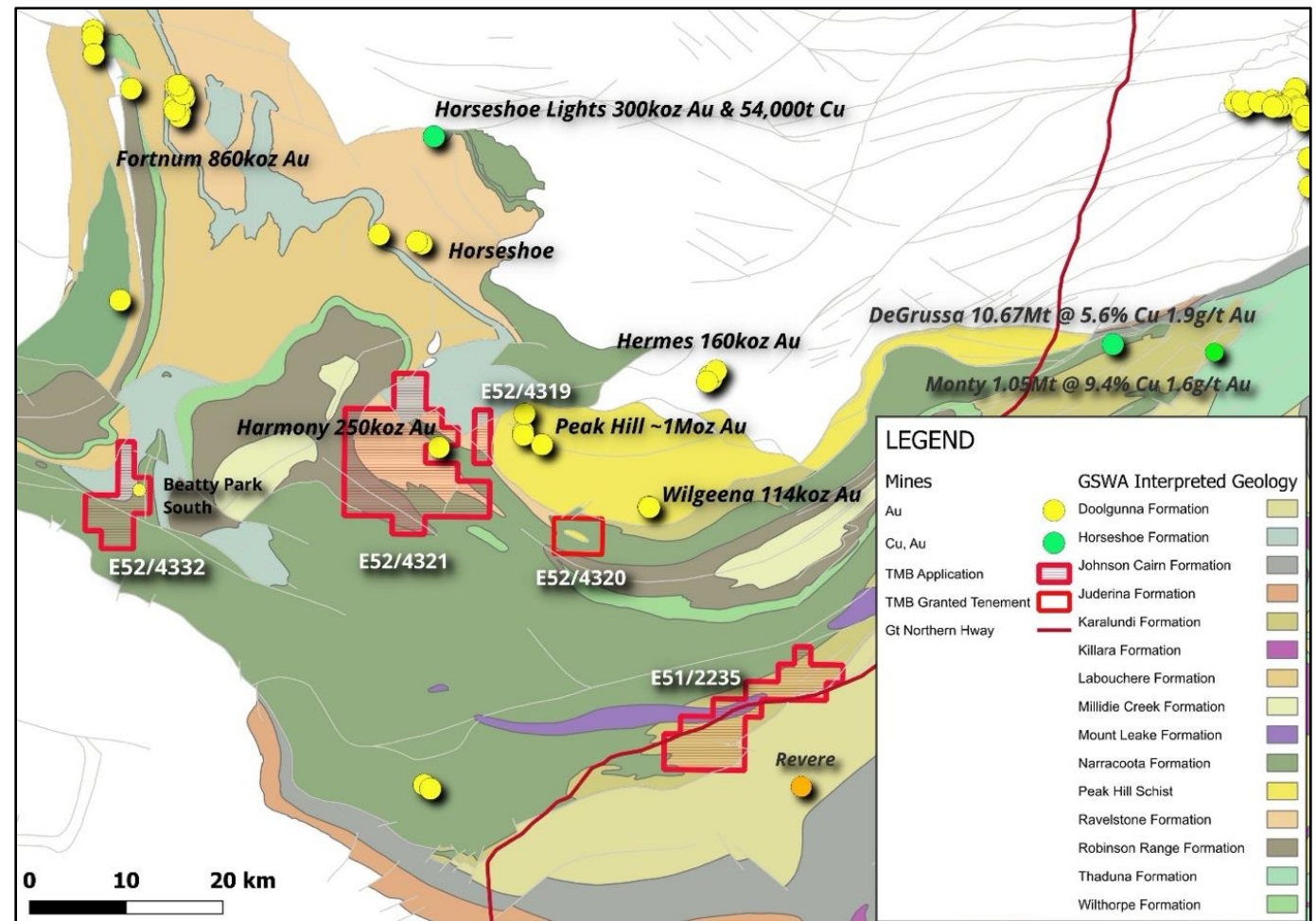


The drilling program will target historic high grade drill intersections reported by Newcrest Mining and Northern Star (see above), including

- 10m at 3.85g/t Au from 88m, including 8m at 8.59g/t Au from 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).

# Bryah Cu-Au project

- E52/4320, within the Bryah Basin and 60km southwest of the DeGrussa high grade copper-gold mine is prospective 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.



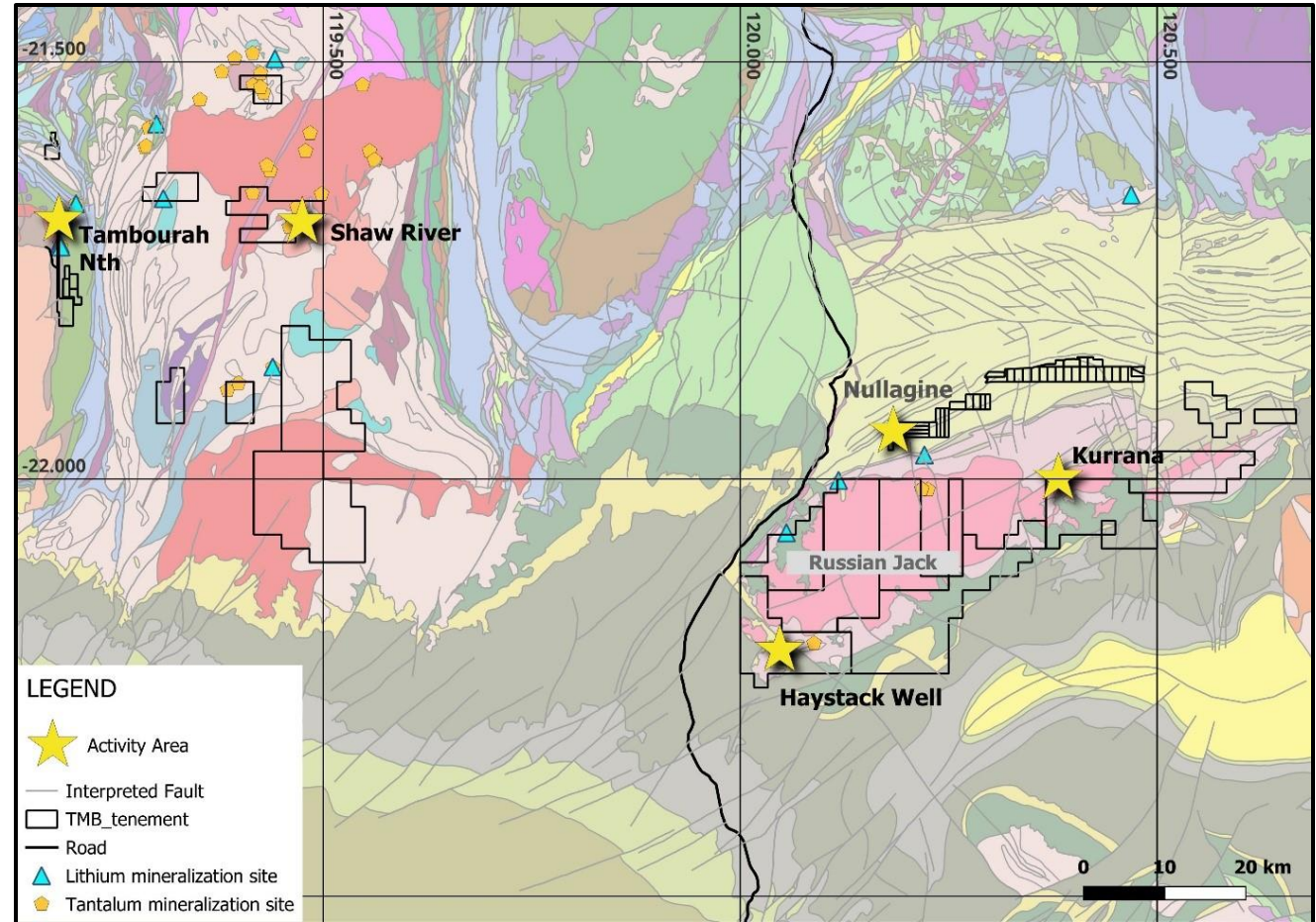
Bryah Basin Location Map



# 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% Li<sub>2</sub>O.
- Samples from Shaw River reported up to 4823ppm Li<sub>2</sub>O (0.48% Li<sub>2</sub>O).
- Samples from Tambourah North reported up to 1960ppm Li<sub>2</sub>O (0.19% Li<sub>2</sub>O).
- Pegmatites identified at the new Kurrana project, assays pending.



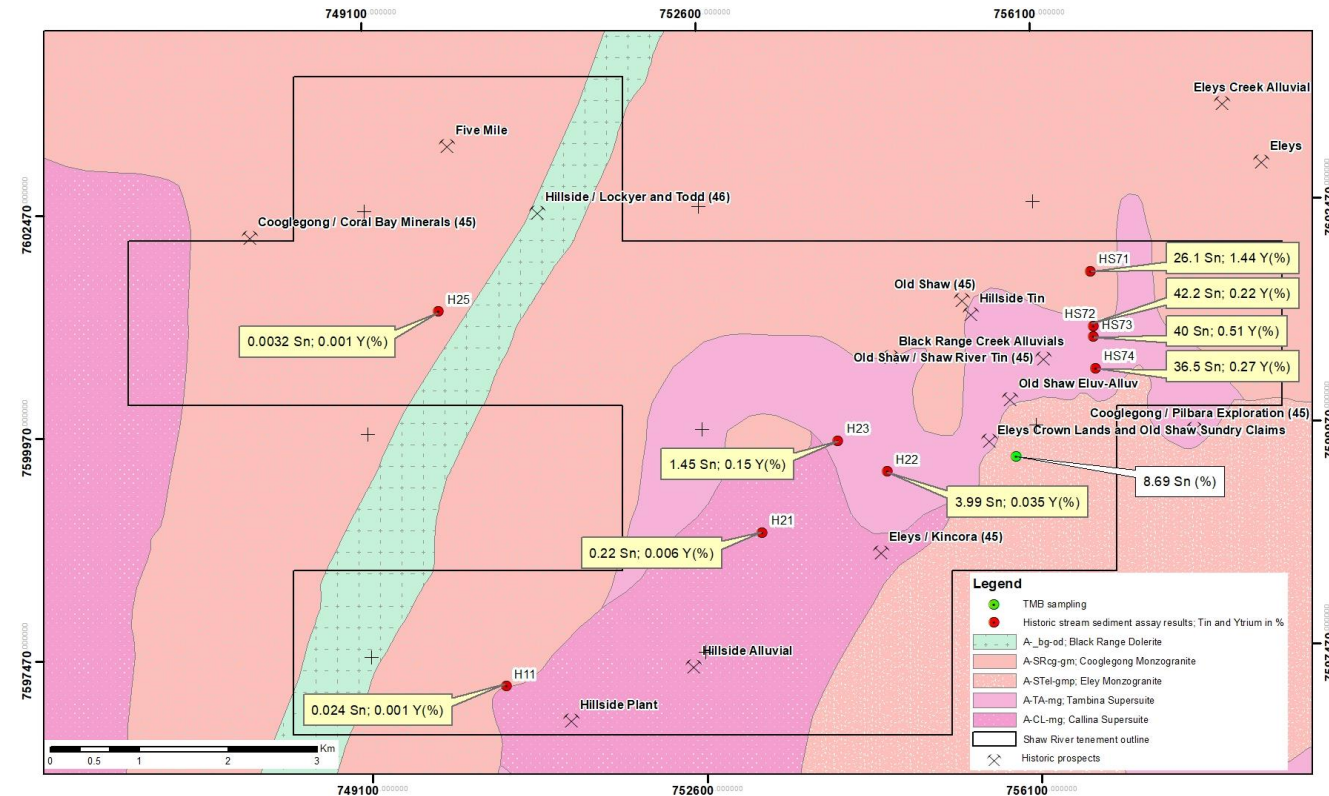
# Current Market Overview





# Shaw River, Tin, Tantalum & Lithium

- The price of tin is US\$29,000/t or A\$44,200/t but has missed the dramatic rises of its EV metal peers in lithium, cobalt & graphite.
- Two most significant uses of Tin for EV impact is for electronics (solders, fuses & contacts) and in alloys within batteries.
- Nearly 50% of Tin consumed is in solder and nearly 10% in lead-acid batteries.
- Tin use in lead-acid batteries has doubled between 2010 to 2016 and is set to grow 2-4% per annum until 2025.
- Further Tin use opportunities in lithium-ion cells.
- Supply issues with most of the world's largest tin producers and are producing less.
- Visible Tin stocks near lows.
- Tin prices are only expected to go up, it's a matter of how much.



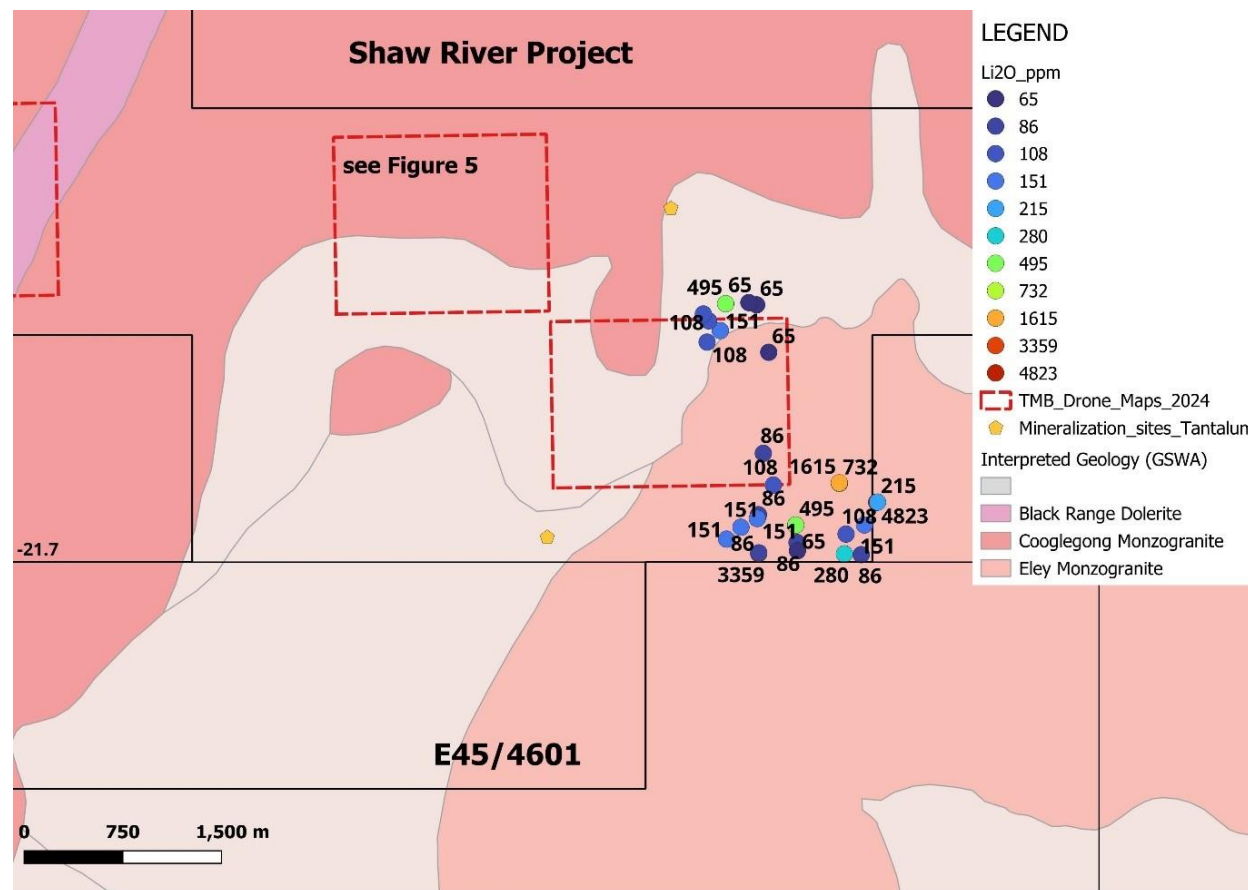
Shaw River Tin Sample Location Plan

# Shaw River, Tin, Tantalum & Lithium

The Shaw River Project is located 180km southeast of Port Hedland and is the site of extensive historic tin-tantalum mining, having produced 6,585t of tin and 548t of tantalite concentrates up to 1975 (Blockley, 1980)<sup>1</sup>. Pegmatites are thought to be the primary source of tin and tantalum.

Exploration is focussed on identifying historic tailings and pegmatites for drilling to investigate the primary source of the Tin and Tantalum.

Sampling has been extended beyond the immediate area of historic alluvial and eluvial workings. 6 samples reported above 500ppm  $\text{Li}_2\text{O}$ , to a maximum of 4823ppm. The western zone at Shaw River has identified multiple pegmatites from a recent drone survey.



Shaw River sample location plan

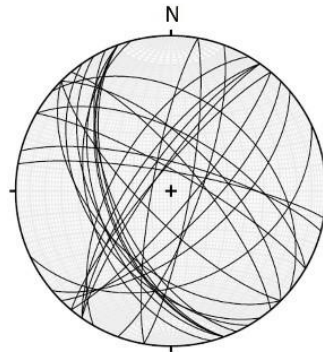
1. Blockley, J.G., 1980. The tin deposits of Western Australia, with special reference to the associated granites. Geological Survey of western Australia, Mineral Resources Bulletin 12, 188p.



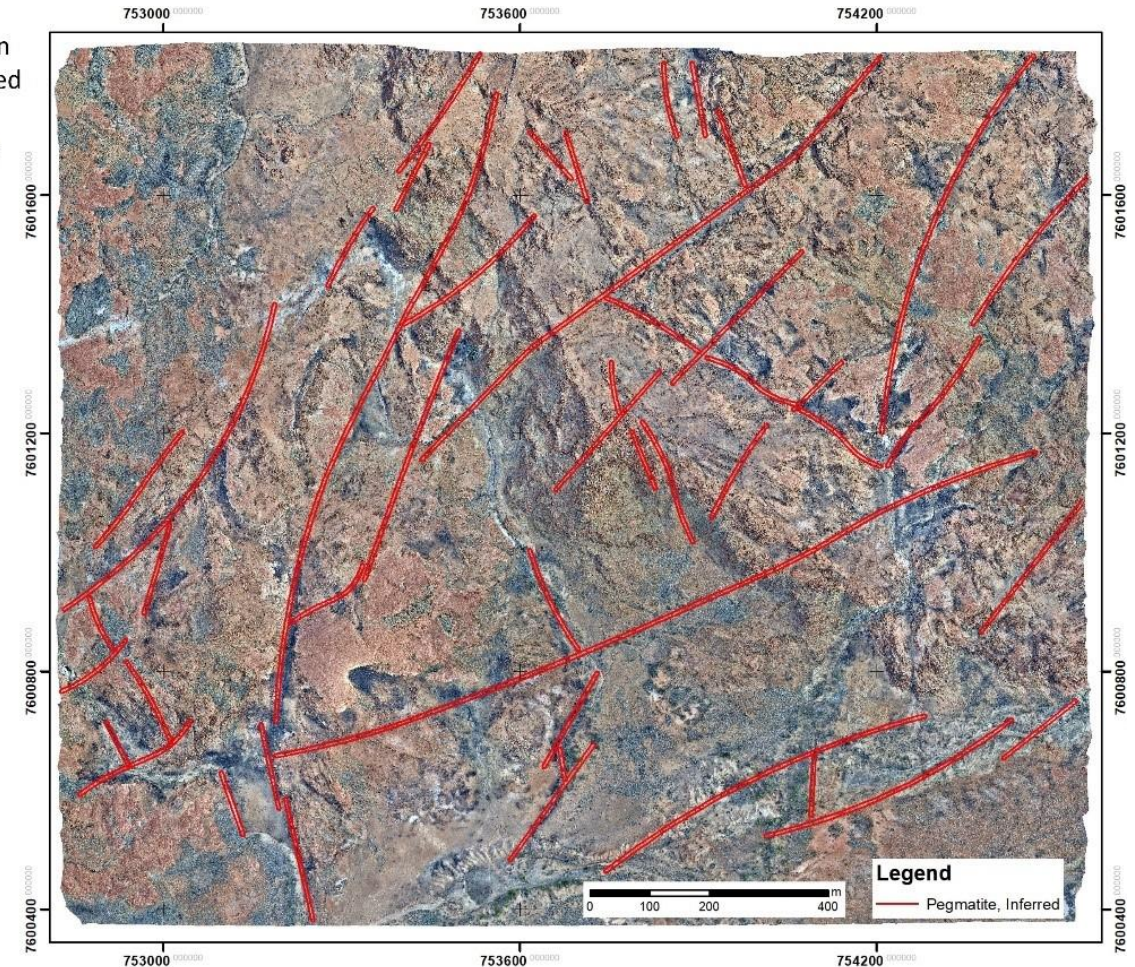
# Shaw River Tin, Tantalum & Lithium

- Drone mapping has identified extensions and additional LCT-pegmatite targets for immediate follow up.
- Field sampling and mapping of these pegmatites will resume in Q2

Drone imaging with spatial resolution 4 cm was used to assist to the detailed surface geological mapping and sampling of LCT pegmatites at Shaw River Project area



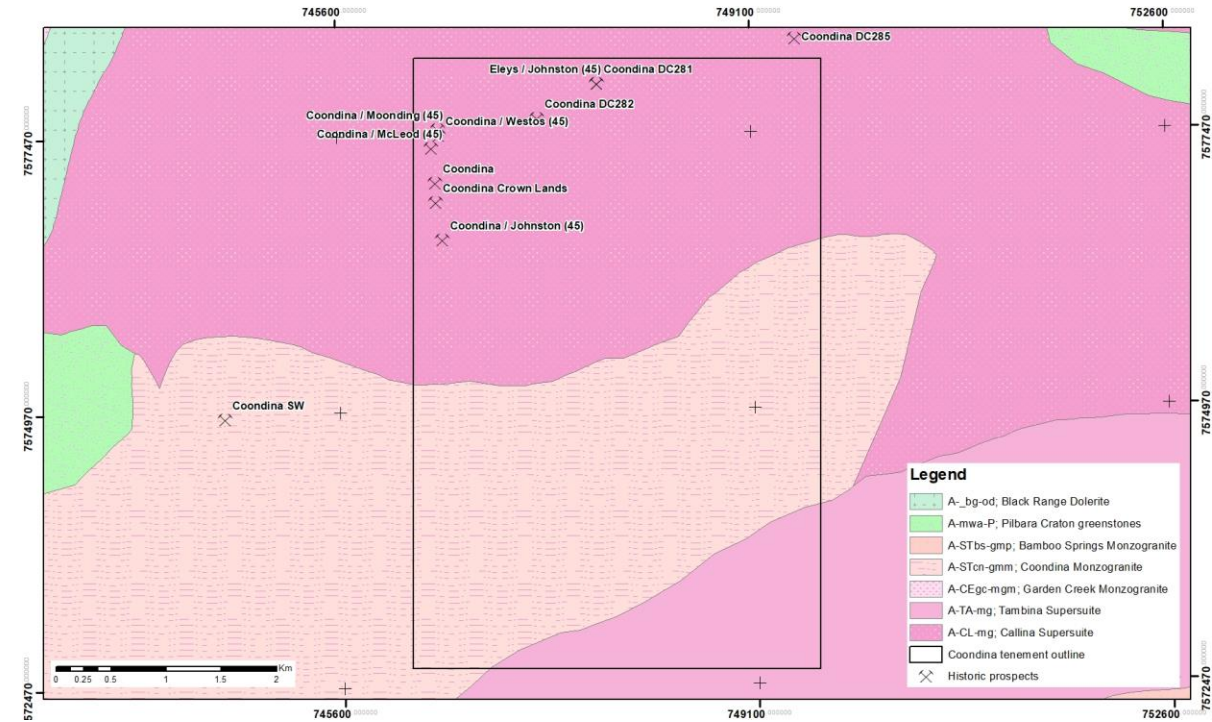
Pegmatites, Shaw River project (Schmidt lower hemisphere projection)



Shaw River pegmatite structures and targets identified from drone mapping.

# Coondina

- Coondina is located 20kms South of Shaw River Tin project.
- Coondina has a non-JORC historic resource of Tin & REE calculated by Greenbushes in 1985.
- Seven Historic Tin prospects will be investigated.
- TMB plans further testing and drilling of the pegmatites for the source of the cassiterite and the REEs.
- Anomalous REEs were identified in 2023 drilling with elevated values of Tin.

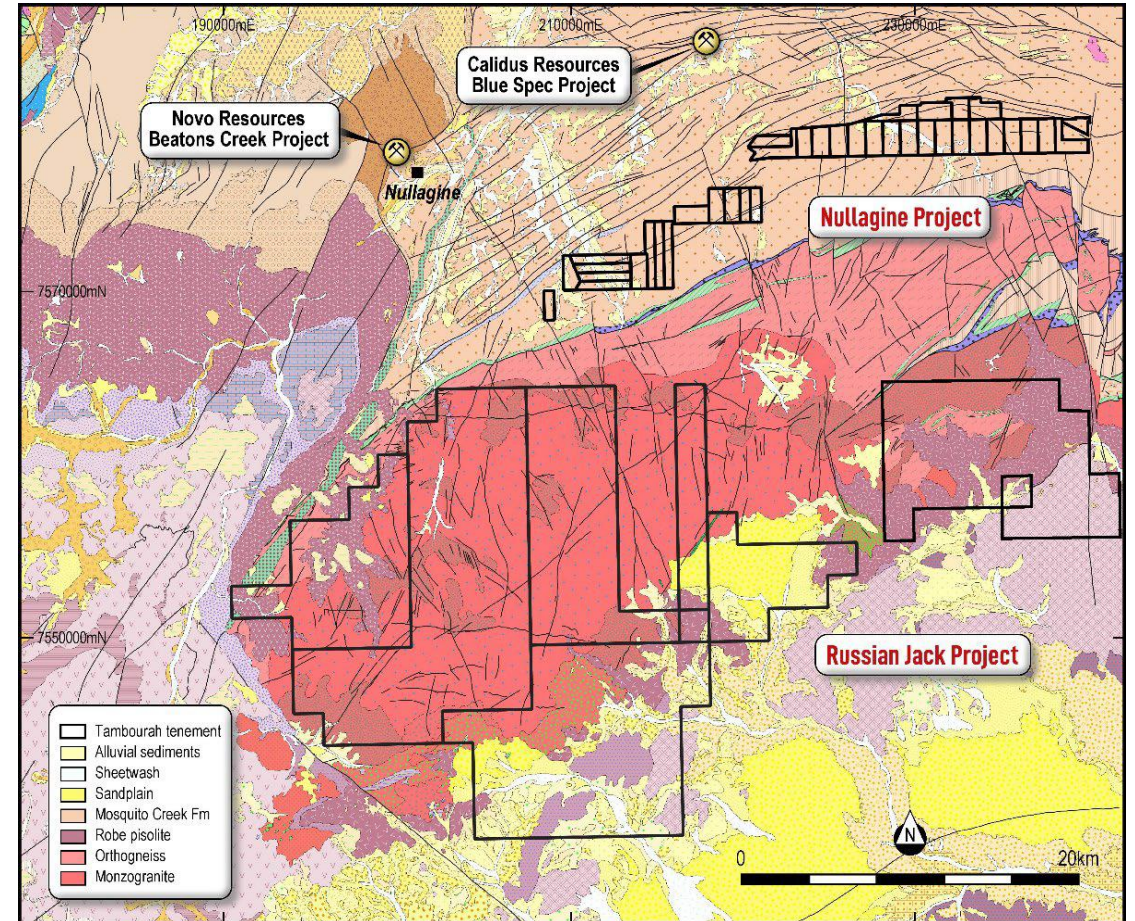


Coondina – Alluvial Tin prospects & Tenement boundary



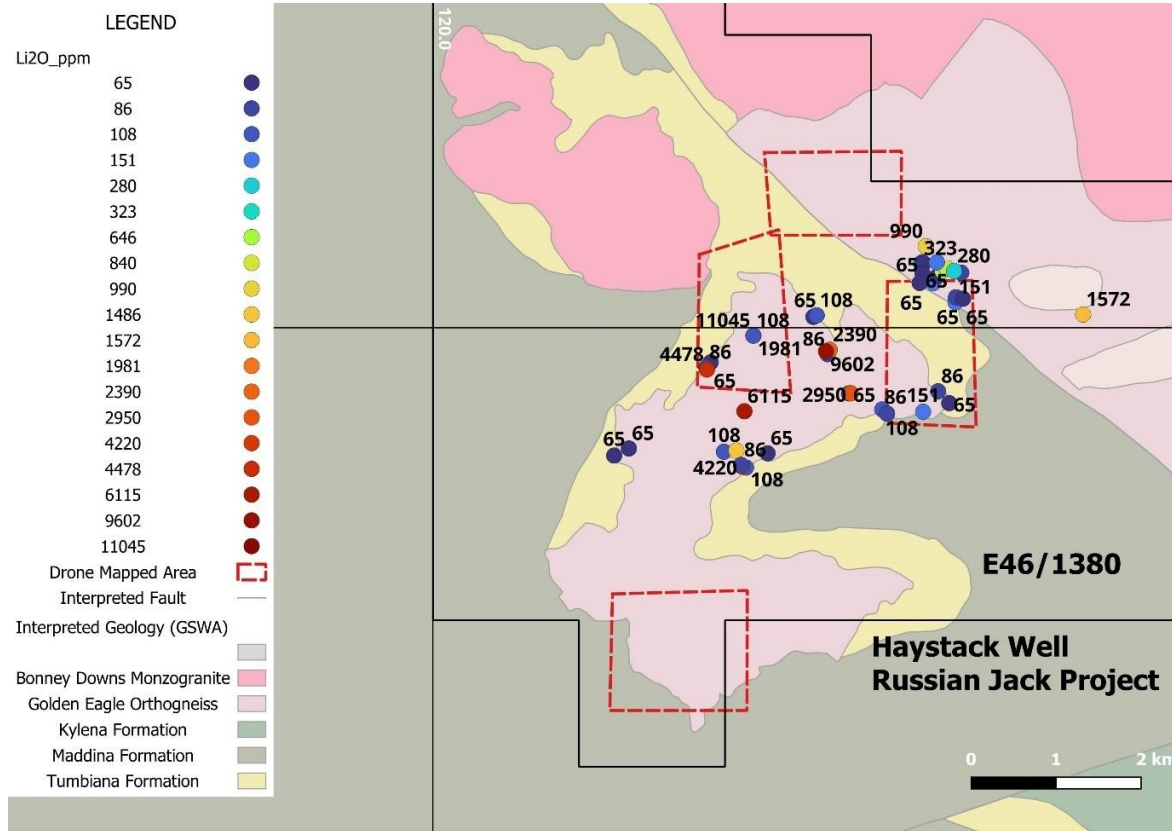
# Russian Jack Lithium Project

- Russian Jack is located in the eastern portion of the Archean Pilbara Craton, 20 Km South of Nullagine
- CSIRO collaboration with Tambourah is ongoing
- Applying “Machine Learning” to highlight possible priority LCT pegmatite targets
- Research will provide a pathway to access large areas with little or no exploration to date
- CSIRO have provided a preliminary draft of priority target areas for sampling and field mapping. Ensuing meetings to discuss Tambourah’s remotely sensed spectral and historic data, including radiometric, magnetic and gravity datasets are progressing



Nullagine & Russian Jack – Tenements and Geology

# Haystack Well Recent Sampling Results



Haystack Well sample location plan.

The Haystack Well area is located 50km south of Nullagine. Haystack Well sampling expanded the search area over abundant pegmatite exposures.

- 15 samples reported Li<sub>2</sub>O of greater than 500ppm to a maximum of 11045ppm (1.1% Li<sub>2</sub>O) from a biotite alteration margin adjacent to the pegmatite.
- Pegmatite samples reported up to 4478ppm Li<sub>2</sub>O with elevated Rb, Sn and Ta.
- Selected samples will now be submitted to CSIRO for analysis.
- Hyperspectral mapping to identify pegmatite mineralogy and pegmatite fertility is proposed in Q4



# Proposed Work Programs 2024

Projects	Q3 – CY2024	Q4 – CY2024	Q1 – CY2025
<b>Tambourah - Au</b>	<ul style="list-style-type: none"> <li>Diamond Drill Plan at Au Targets</li> </ul>	<ul style="list-style-type: none"> <li>EM profiling at World's Fair</li> </ul>	<ul style="list-style-type: none"> <li>Prepare &amp; Process drill plans at Tambourah King</li> </ul>
<b>Cheela Gold - Au</b>	<ul style="list-style-type: none"> <li>Results of A/C Drilling at historic gold prospects</li> </ul>	<ul style="list-style-type: none"> <li>Prepare &amp; Process RC drill plans</li> </ul>	<ul style="list-style-type: none"> <li>Results of Drilling &amp; Soil Sampling</li> </ul>
<b>Shaw River &amp; Coondina – Li Sn Ta</b>	<ul style="list-style-type: none"> <li>Tin targets-mapping and sampling</li> </ul>	<ul style="list-style-type: none"> <li>Results</li> <li>Heritage survey</li> </ul>	<ul style="list-style-type: none"> <li>Proposed drilling at western pegmatites</li> </ul>
<b>Russian Jack &amp; Haystack Well – Li</b>	<ul style="list-style-type: none"> <li>Sampling &amp; Mapping over 3 target locations</li> </ul>	<ul style="list-style-type: none"> <li>Heritage Survey</li> <li>Fieldwork and magnetic survey</li> </ul>	<ul style="list-style-type: none"> <li>Hyperspectral survey</li> </ul>
<b>Julimar Nth – Ni-PGE-Cu</b>	<ul style="list-style-type: none"> <li>A/C Drilling Results – Earn in SQM</li> </ul>	<ul style="list-style-type: none"> <li>Magnetic Survey Interpretation</li> </ul>	<ul style="list-style-type: none"> <li>Follow up sampling program</li> </ul>
<b>Achilles – Ni-PGE</b>		<ul style="list-style-type: none"> <li>Access &amp; Drill Hole Locations</li> <li>EM Survey</li> </ul>	<ul style="list-style-type: none"> <li>Proposed Drilling 4 – 6 Targets</li> </ul>

# Summary

## Gold & Critical Minerals

- ✓ Exploration for Gold is advancing rapidly
- ✓ Further drilling is proposed at Cheela Gold projects
- ✓ Diamond drilling at Tambourah Gold prospects
- ✓ EIS Application for diamond drilling at Tambourah Goldfield
- ✓ Data compilation at Bryah Basin Au-Cu project has commenced
- ✓ Extensive Tin pegmatites identified and sampled at Shaw River & Haystack Well
- ✓ New Lithium exploration at Lake Johnston 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

### CONTACT US

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