

# Tambourah

— Metals Ltd —

## Investor Presentation



ASX: TMB

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

October 2023

# 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 Ralf Kriege exploration manager of the company, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Ralf Kriege 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 Ralf Kriege 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: 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: Multiple pegmatites confirmed at the RJ 101 Lithium project - 14/11/2022*

*ASX Announcement: Pegmatite Sampling Commences at Shaw River - 05/09/2023*

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.

# Company Overview



# Introduction

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**Highly prospective landholding in tier-1 jurisdiction of Western Australia**



**Focused on discovering future facing commodities for the decarbonisation revolution**



**Advancing Lithium exploration in the Pilbara with additional projects**



**Strong stakeholder relationships and ESG credentials**

# Tambourah Metals Ltd

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## Rita Brooks

Executive Chairperson  
BA(Ed)

- 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



## Wayne Richards

Non-Executive Director  
GAICD, BSc

- 30+ years' experience of study execution, project development, mining, mineral processing and corporate financing experience.
- Extensive Lithium exploration and project development knowledge.
- Previously Managing Director and Chief Executive Officer of Burley Minerals Ltd, and Executive Chairman and CEO of Tawana Resources.



## Chris Ramsay

Non-Executive Director  
MPM, BSc, MAusIMM

- Geologist and project manager with over 25+ years' experience in the private and consulting sectors of the global mining industry
- Previously spent 18 years with Oceana Gold, Sons of Gwalia and Straits Resources



## Graeme Smith

Company Secretary  
MBA, MComLaw, FCPA, FCG (CS, CGP)

- 30+ years' experience in the accounting and company administration industry
- Extensive experience in similar roles and is Principal of Wembley Corporate Services
- Currently serving as a Non-Executive Director of Augustus Minerals Ltd

# Corporate Overview

## Corporate Snapshot

Share Price (18/10/2023)	\$0.12
Share Capital (ASX:TMB)	80.4m
Unlisted Options (25c, 30c)	14.0m
Market Capitalisation	\$9.6M
Cash <sup>1</sup>	\$5m
Debt	Nil

1. Cash on hand as at 25/08/2023

## Share Price - 1<sup>st</sup> Jan 2023 – 11<sup>th</sup> Oct 2023

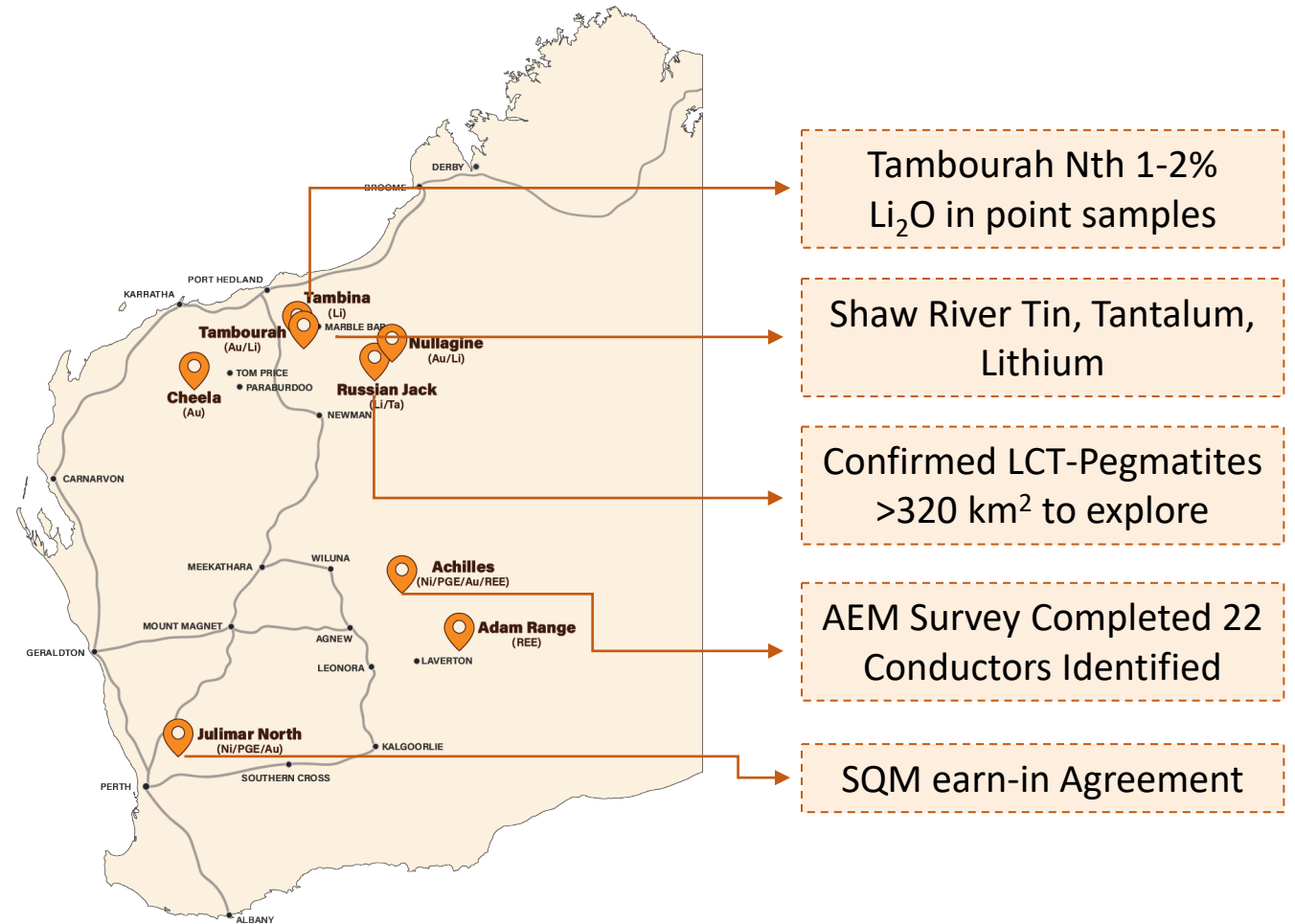


Recent Drilling at Tambourah Nth

# Advanced Exploration Portfolio

## Exploration Highlights

- ✓ Current exploration focus is progressing Pilbara Lithium targets – all projects 100% TMB owned
- ✓ New LCT-pegmatites identified at Tambourah & Russian Jack Projects
- ✓ CSIRO collaboration, assessing Lithium pegmatites at Russian Jack Project
- ✓ Developing 6 new Lithium projects in the Pilbara Region of Western Australia
- ✓ 22 conductors to be drilled at Achilles for Nickel Sulphide targets
- ✓ Julimar Nth new Earn-In with SQM (Chile)



# Pilbara Projects



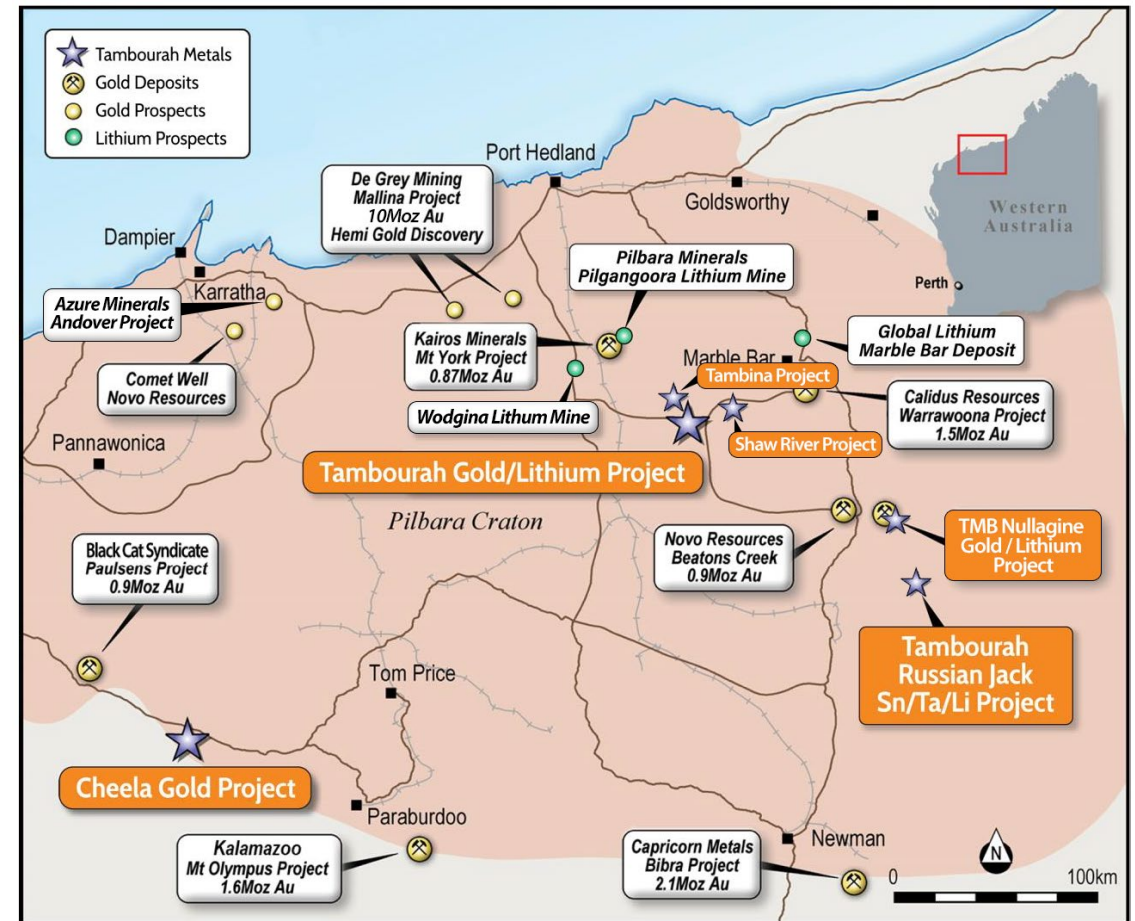


# Pilbara Region of Western Australia

## Tambourah Metals Major Projects

Russian Jack	➔	Lithium
Nullagine	➔	Lithium-Gold
Tambourah / Tambina	➔	Lithium-Gold
Cheela	➔	Gold
Haystack Well	➔	Lithium-Tantalum
Shaw River	➔	Tin-Tantalum-Lithium

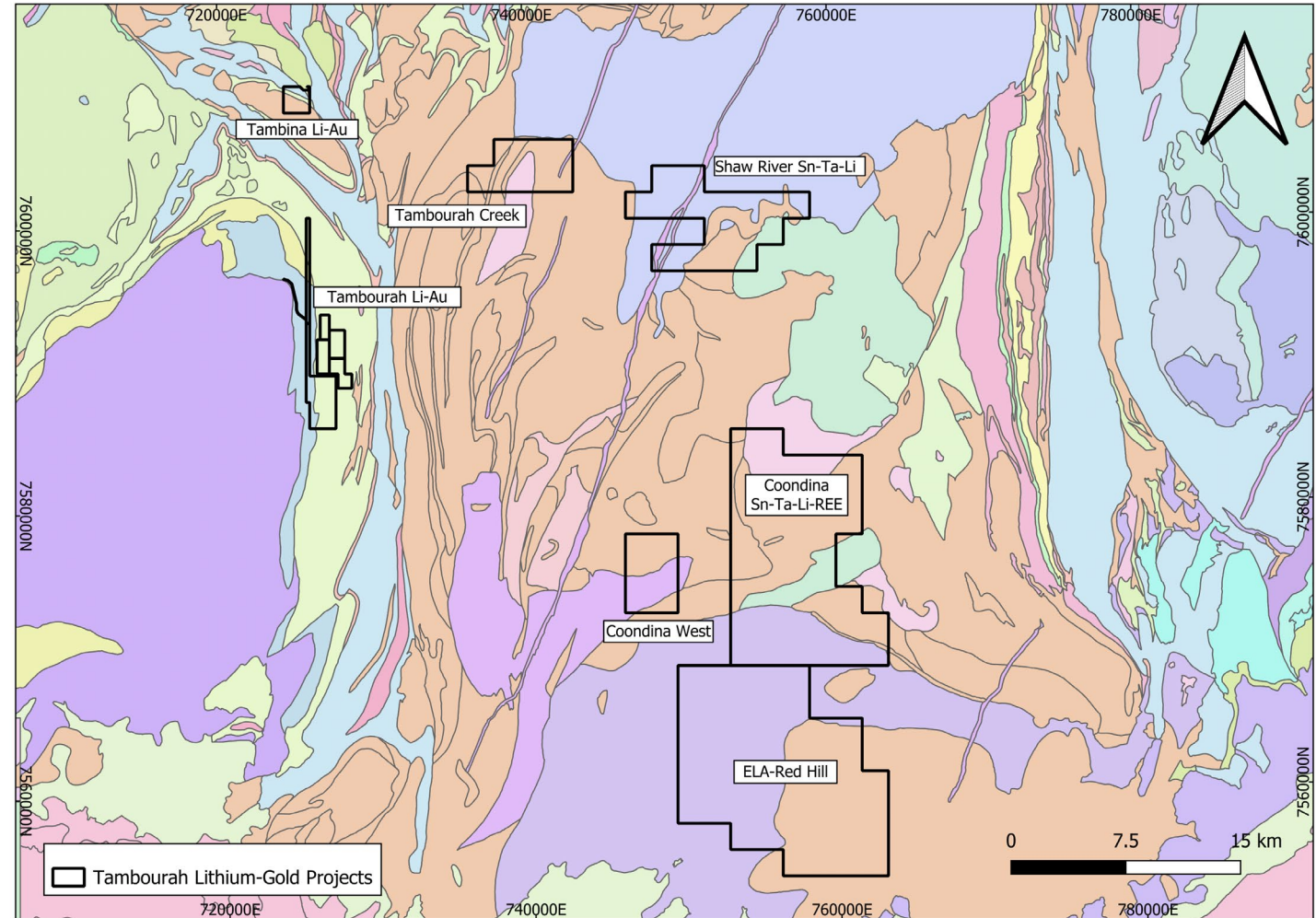
## Tambourah Project Locations – Pilbara Region



# Tambourah Gold and Critical Minerals (Tin, Tantalum & Lithium)

## Exploration Project Summary:

- **Tambourah Creek and Shaw River Projects:**
  - ✓ Extensive Tin and Tantalum - historic mines and prospects
  - ✓ Sampling, mapping and drill targets were identified in outcropping pegmatites in September
  - ✓ Recent pegmatite sampling completed - results are pending
- **Tambourah Nth lithium Project** has completed drilling Oct 12<sup>th</sup> and results are expected in end of November.
- **Coondina Project** - drill targets identified following previous works' reviews - including Rare Earth Element (REE's) potential
  - ✓ Field work being scheduled for Q1



Location of New Tambourah Lithium - Gold Projects

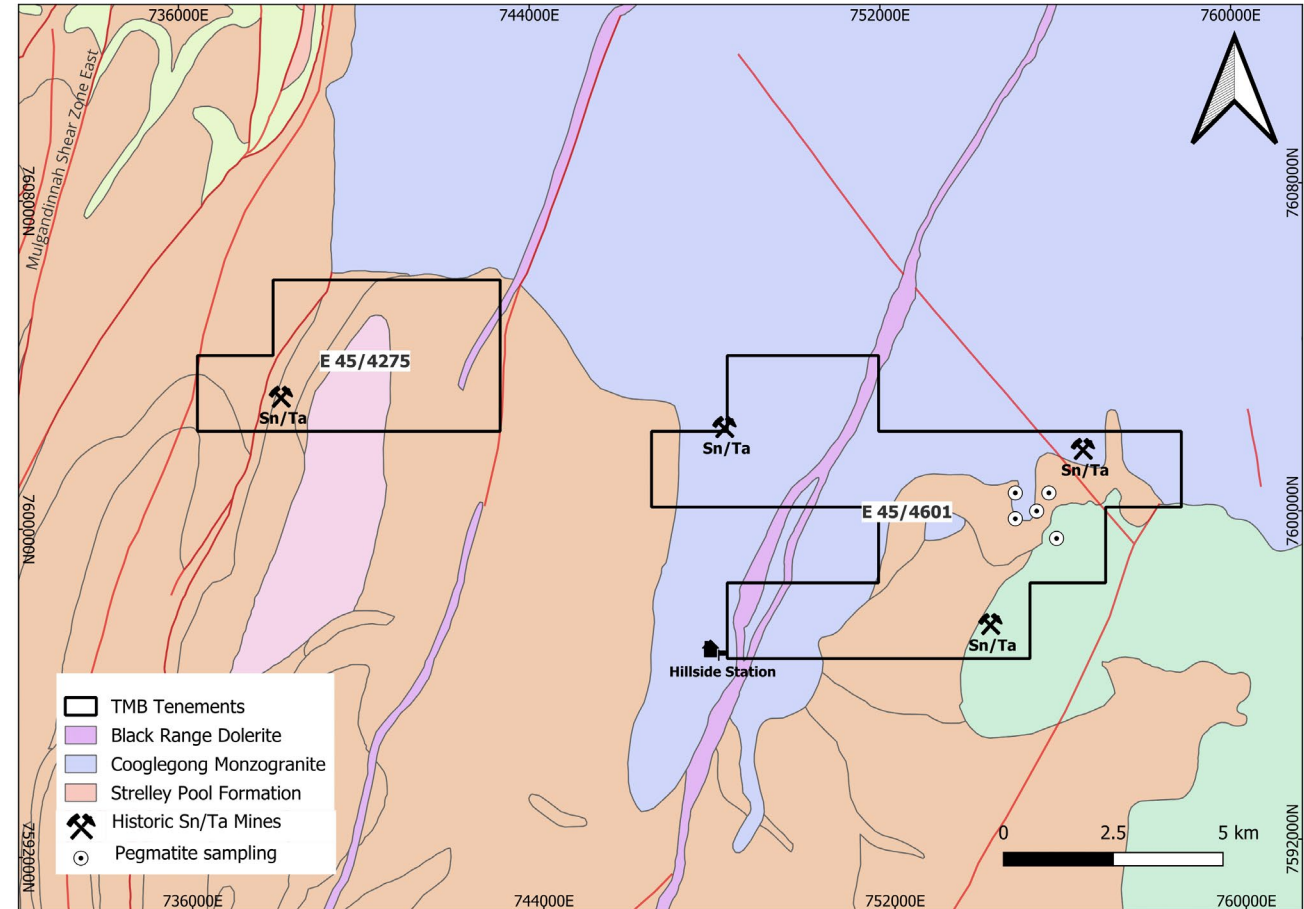
# Tambourah Nth Drilling

- TMB drilling was designed to test the pegmatites from surface and the samples have been sent to Perth for analysis with expected results in six weeks. The 3rd drill hole intersected sulphides throughout the 120m hole. Additionally, TMB intends to conduct gold analysis within this particular drill hole. Tambourah Nth is located 7 km nth of the Company's Lithium and Gold project E 45/4597.
- High grade lithium rock chip samples hosted in pegmatites which includes **2.56% Li<sub>2</sub>O, 1.91% Li<sub>2</sub>O, 105 ppm Cs, 80 ppm Ta, 40 ppm Nb, 100 ppm Sn, 1,293 ppm Rb and 1.91% Li<sub>2</sub>O, 1.19% Li, 518 ppm Cs, 370 ppm Ta, 150 ppm Nb, 2,542 ppm Rb.**



# Shaw River Project - Tin – Tantalum - Lithium

- Tambourah has commenced data compilation including review and mapping of extensive Tin(Sn) –Tantalum (Ta) tailings dumps
- Field work included systematic sampling of the previous mine dumps for Sn-Ta-Li, results are pending
- Extensive Tin mining occurred during the 1950s to 1970s at Shaw River
  - This area has never been drill tested for the primary source of the Sn-Ta-Li
- The mine tailings at Talison Lithium Greenbushes project are currently being processed for spodumene concentrate<sup>1</sup>

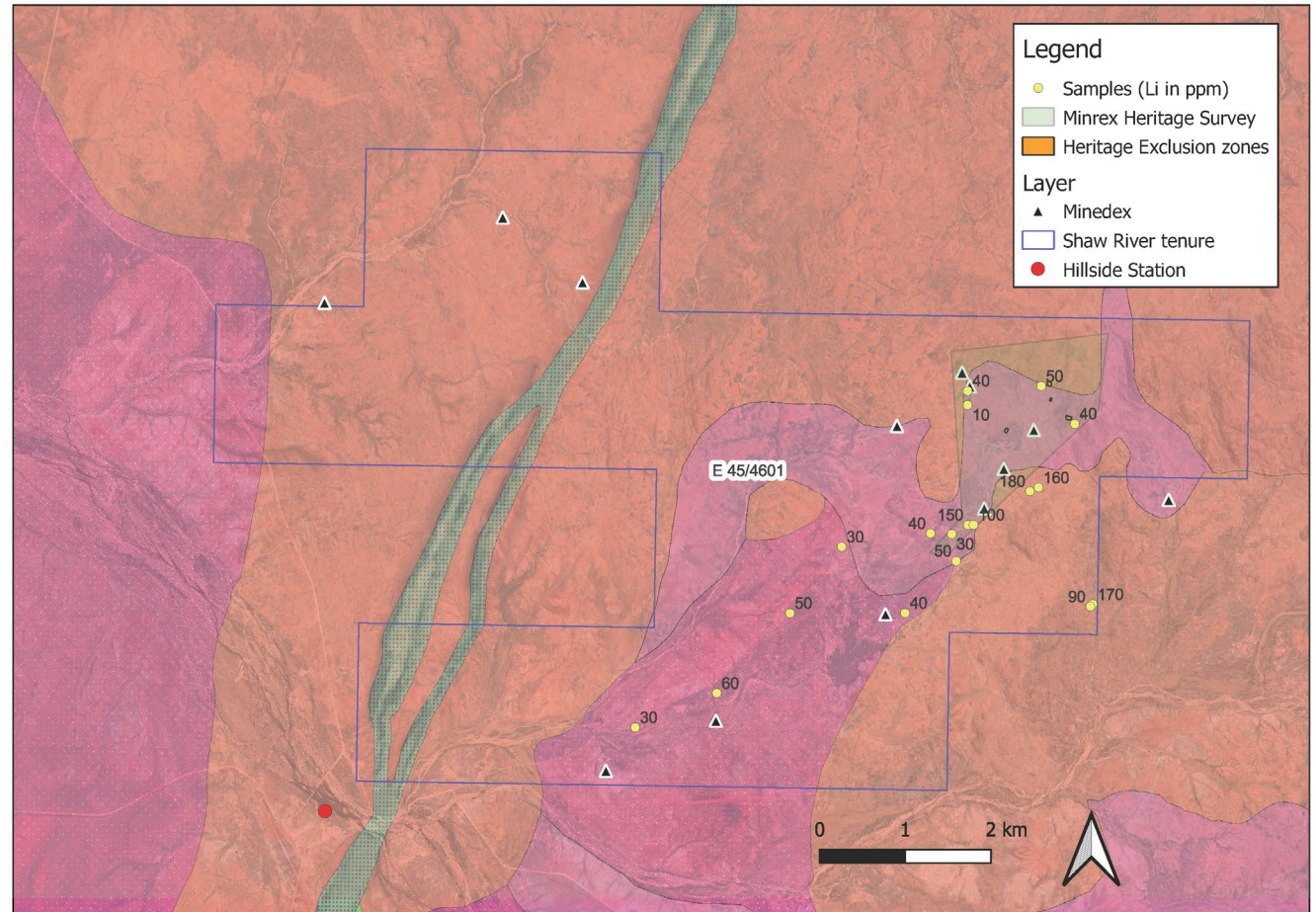


Map of historic Sn/Ta Mines at Shaw River

1. [www.talisonlithium.com](http://www.talisonlithium.com)

# Shaw River Lithium Sample Locations

- By 1975, the Shaw River tin field had produced 6,585 t of tin and 548 t of tantalite concentrates (containing 20.2 t of  $Ta_2O_5$ ), with the greatest production from alluvial placer deposits. The pegmatites are thought to be the primary source of the tin and tantalum mineralisation. There is no record of lithium exploration to date



# Shaw River Project - Tin – Tantalum - Lithium

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The Shaw River Project (E45/4601) is located 180km southeast of Port Hedland and 20km due east of the Tambourah gold and Lithium project. It contains abundant late-stage pegmatite swarms.

Reconnaissance sampling and mapping is underway at several locations with outcropping pegmatites and a proposed drill program is planned to follow.

An extended review of the tailings dumps will include sampling for potential Lithium, Tin and Tantalum will be included in a separate program.



Shaw River Tailings

# Tambourah Gold Project

## 2022 TMB Drilling Results

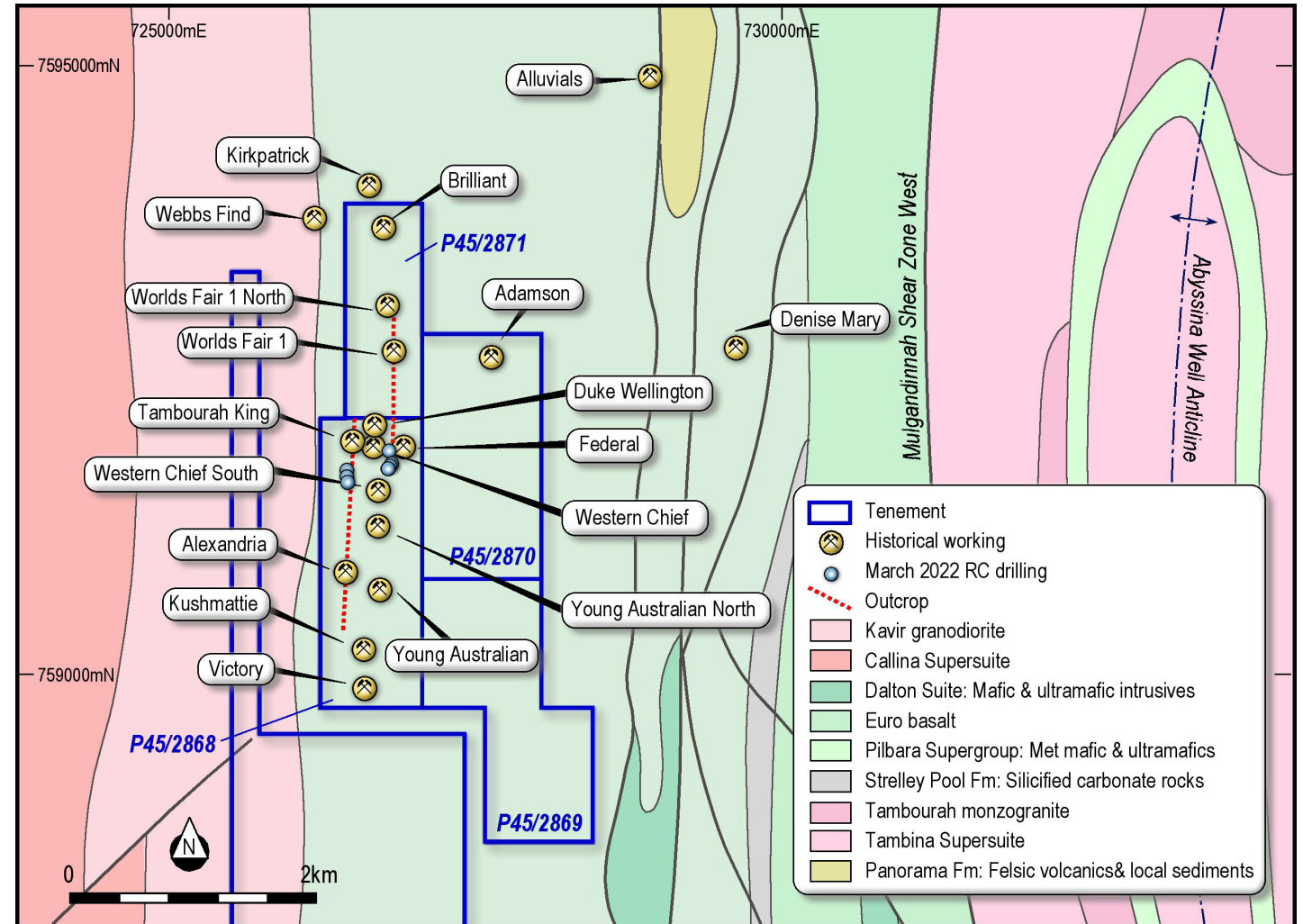
22m@1.38g/t Au (including 3m@7.78g/t Au) from 22m

2m@6.57g/t Au from 28m

2m@3.77g/t Au from 22m

2m@1.63g/t Au from 105m

6m@1.03g/t Au from 120m



Location of Tambourah Historic Gold Mines

# Tambourah Gold Project

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

- Drill program of 2,684m has been completed at Tambourah Goldfield.
- This is the first drill program at the World Fairs prospect since the 1900's.
- The main focus of the drill program was designed to test the depth/strike extensions to the gold mineralised system over several historic prospects.
- Tambourah Nth completed three drill holes on the northern portion of the tenement to test for pegmatite.



Drilling at Tambourah Project



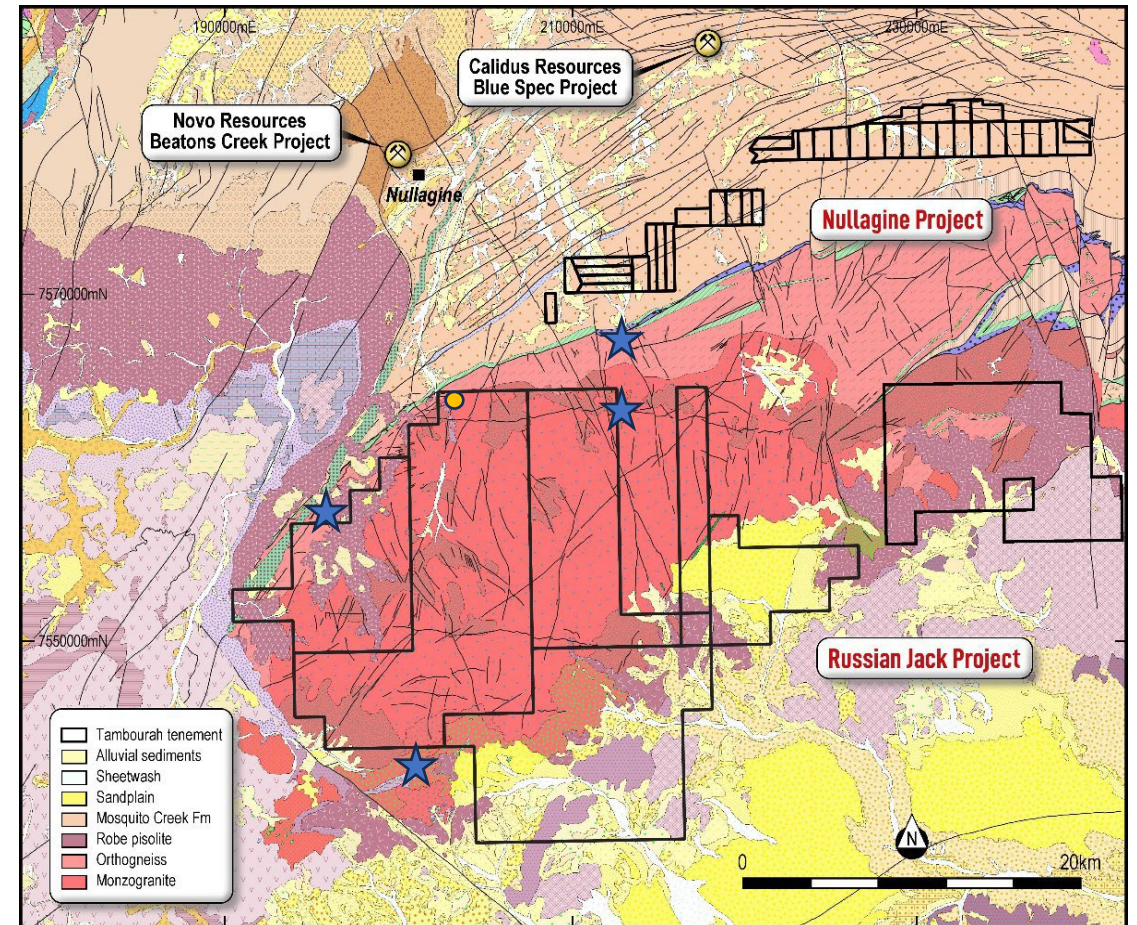
# Russian Jack Lithium Project

- Russian Jack is located the in eastern portion of the Archean Pilbara craton, 20 Km South of Nullagine
- Lithium bearing pegmatites identified at Russian Jack are very similar in appearance to the Brockman pegmatite, which hosts the Archer Lithium deposit of Global Lithium Resources(ASX : GL1)
- Rock chip sampling from pegmatite outcropping had the following results:

Sample ID	Easting	Northing	Li (ppm)	Rb (ppm)
RJK001	202338	7564268	455	1930
RJK002	202346	7564245	571	1390
RJK003	202417	7564199	169	1570
RJK004	202421	7564173	1420	1840
RJK005	202446	7564114	244	618
RJK006	202254	7564417	123	656
RJK007	202373	7564431	49.6	452

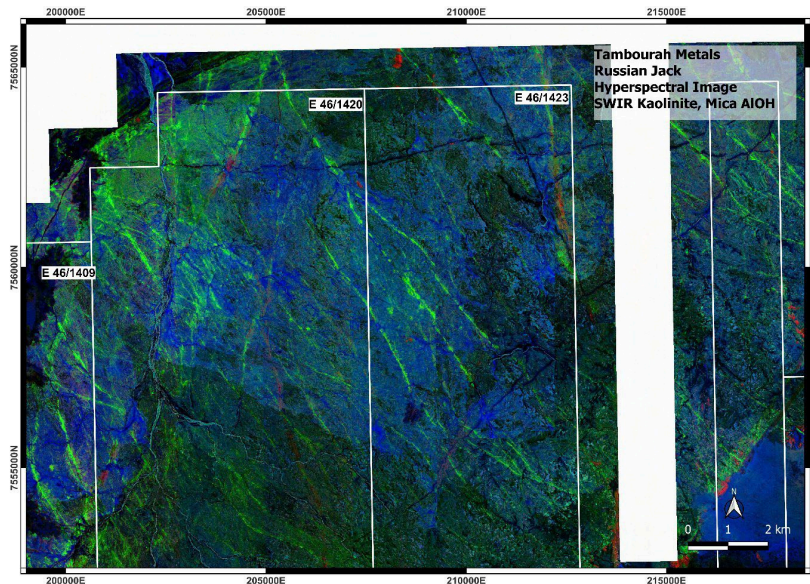
- ★ Sn/Ta Prospects
- RK569 1.16% Li

## Nullagine & Russian Jack – Tenements and Geology



# CSIRO Collaboration at Russian Jack Lithium Project

- CSIRO collaboration with Tambourah has commenced<sup>1</sup>
- 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
- Tambourah Metals Ltd has been awarded a CSIRO “Kick-Start” financial grant
- 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



Russian Jack hyperspectral overview image<sup>1</sup>



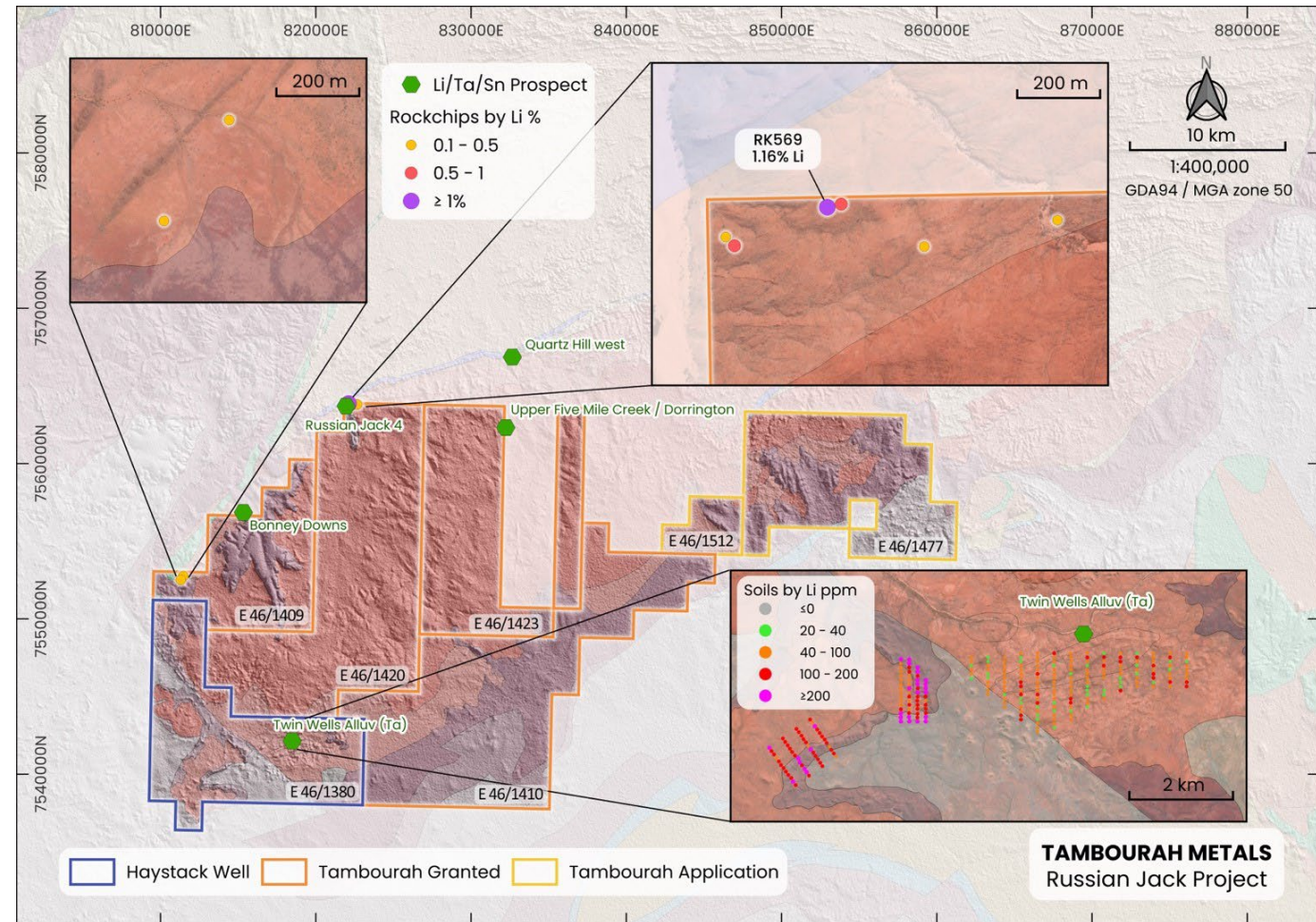
Rock Chip sample RJRK101<sup>2</sup>

# Haystack Well Lithium Project

The Haystack Well Project, recently acquired from Minrex was part of the surveyed area.

“The Twin Wells Alluvial Prospect showed strong extensive stacked swarms pegmatites striking within a southerly direction over 650 metres. Several rock chip samples were collected from the pegmatites for assaying. Samples over the historic Twin Wells alluvial tailings have also been sampled for assaying.”<sup>1</sup>

“Extensive stacked pegmatite swarms over 650m wide and historically mined form Tantalum containing Beryl, Corundum and Kunzite (lithium oxide), as found at Tabba Tabba Tantalum Deposit Western Pilbara WA.”<sup>1</sup>

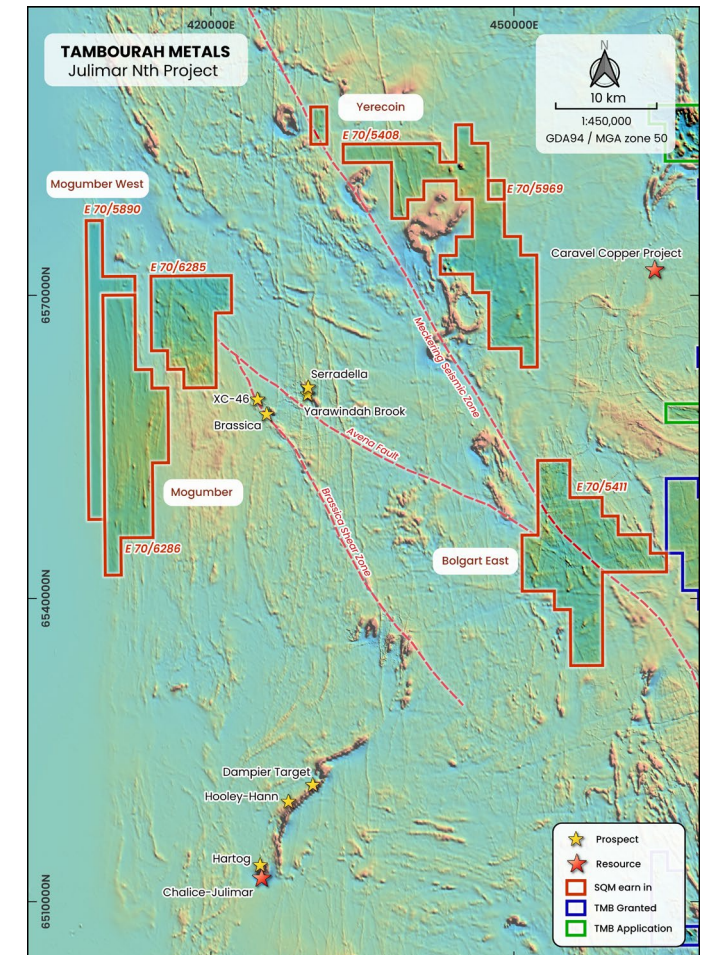
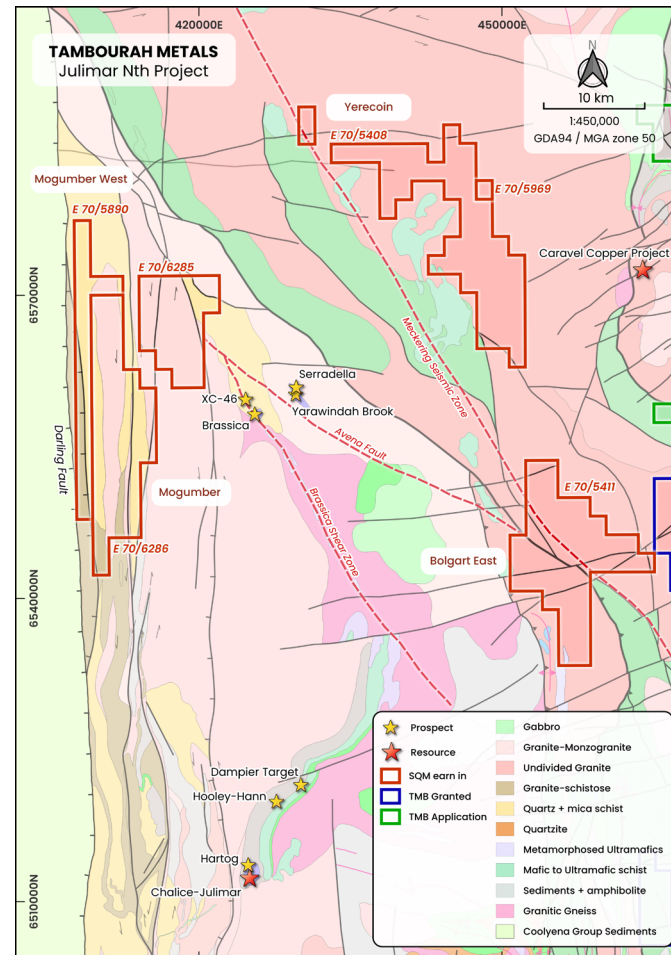


1. Minrex Website: <https://www.minrex.com.au/projects/pilbara-battery-metals/haystack-well/>

# Tambourah Metals Earn-In with SQM

## Overview

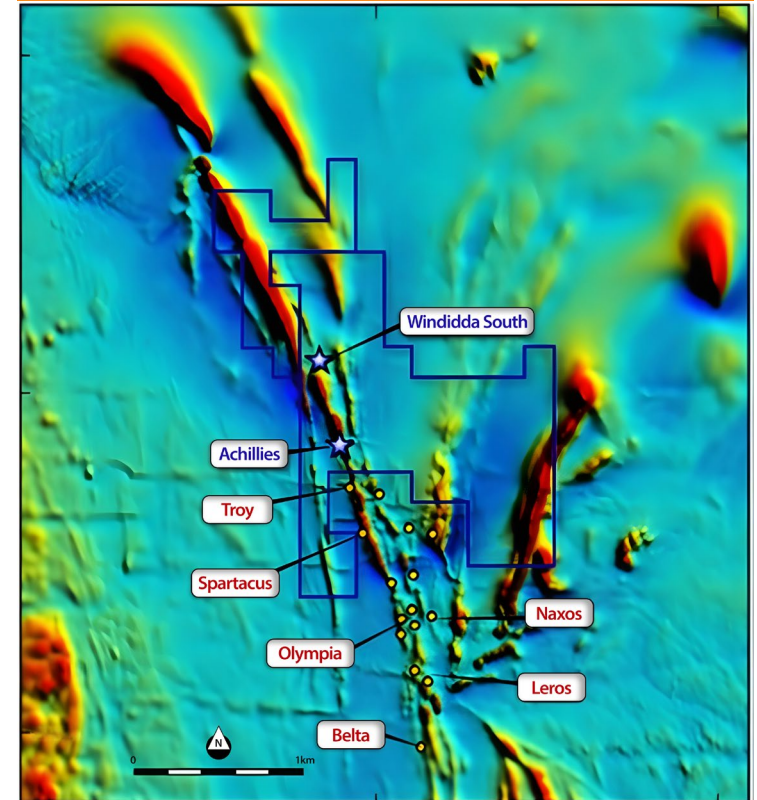
- Tambourah Metals and the Chilean lithium producer Sociedad Quimica y Minera de Chile S.A. (SQM) (NYSE: SQM) have entered into an agreement providing SQM with the right to earn-in across six of Tambourah's Julimar Nth projects in Western Australia
- SQM will earn an initial 50% interest (and can earn a maximum of 70%) in all mineral rights at Julimar Nth project by sole funding a minimum of A\$1.5m and up to \$3m of exploration and development activities
- SQM is one of the world's leading lithium producers with its main assets in Australia being its 50% joint venture interest in the Mt. Holland Lithium Mine as well as other lithium related investments
- Tambourah Metals will continue to explore and develop the WH Sth project in the Julimar region



# Achilles Ni/PGE/Au/REE

- Unlocking a new district scale Nickel sulphide region
- The Achilles Ni-PGE-Cu project is located 235km north of Laverton and 200km east of Wiluna WA
- 10km's North of Olympia Nickel deposit of Cannon Resources with 573 kt @ Ni -1.63% & Cu - 1.19% & PGE's<sup>1</sup>
- The prospective ultramafic geology extends for a strike length of 20km within the Tambourah Metals project area
- Exploration program will focus on developing the drill targets identified in the recent AEM surveys
- 22 Discrete Conductors identified at Achilles
- Compilation of the historic drill hole locations shows that none of these 22 conductors have been drill tested within the historic drilling

Achilles Project location map



1. <https://cannonres.com.au/projects/collurabbie-project/>

# Upcoming Work

	October	November	December
<b>Lithium</b>			
- Russian Jack			Mapping & Sampling
- Sampling Result		Heritage Survey	Review new ELs and geophysical survey
- CSIRO		Data Interpretation and field work	CSIRO review Drill Program
- Nullagine Li/Au		Field work	Hyperspectral Data Comp
- Tambourah Li/Au	RC Drilling Completed		Assay Results
- Shaw River	Maiden Drill Program Completed		Mining Lease Applications
			Assay Results
<b>Nickel</b>			
- Achilles	AEM interpretation	EM Survey	Drill Program
- WH 5 <sup>th</sup>			Access Agreements
			Field work Soil sampling
<b>Gold</b>			
- Cheela	Heritage Survey Report		Sampling and drill target program

# 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



## CRITICAL MINERALS

- Four 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
- ESG principals (Environmental, Social, Community relation and Governance)

# Tambourah

— Metals Ltd —

## CONTACT US

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