

Tambourah

— Metals Ltd —

Tambourah Metals Ltd

Mining Investment Asia

May 2023

ASX: TMB

FORWARD LOOKING STATEMENT AND DISCLAIMER

The information contained in this presentation is for informational purposes only and does not constitute an offer to issue, or arrange to issue, securities or other financial products. The information contained in this presentation is not investment or financial product advice and is not intended to be used as the basis for making an investment decision. The presentation has been prepared without taking into account the investment objectives, financial situation or particular needs of any particular person. Before making an investment decision, you should consider, with or without the assistance of a financial adviser, whether an investment is appropriate to your particular investment needs, objectives and financial circumstances.

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 of 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 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.

Board and Management



Rita Brooks
Executive Chairperson
BA(Ed)



Peter Batten
Non-Executive Director
BAppSc(Geol), BappSc,
MAusIMIM



Chris Ramsay
Non-Executive Director
MPM, BSc, MAusIMM



Ralf Kriege
Chief Executive Officer
MBA, MSc, MAusIMM

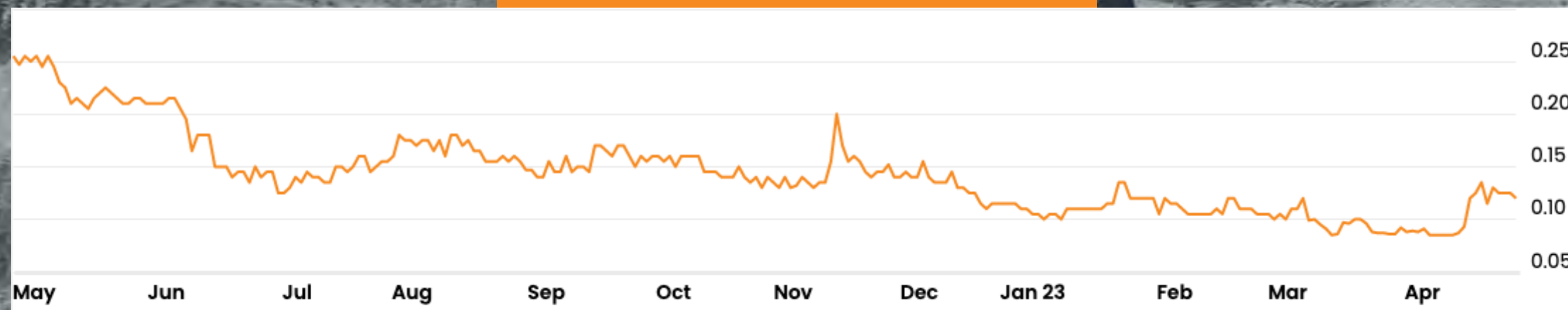


Graeme Smith
Company Secretary
MBA, MComLaw, FCPA, FCG (CS,
CGP), MAusIMM

Corporate Overview

CAPITAL STRUCTURE	
Share Price (08/05/2023)	\$0.105c
Cash (27/04/2023)	\$3.2M
Debt	Nil
Ordinary Shares	40.5M
Escrowed shares (24 Months)	24.5M
Total Shares On Issue	68M
Market Cap	\$7.1M
Share Code (ASX)	TMB

TMB: SHARE PRICE PERFORMANCE



Tambourah Metals Ltd Advancing Gold & Critical Minerals in Western Australia



Exploration Highlights

- Tambourah has a significant portfolio of critical minerals and gold projects in Western Australia.
- Ralf Kriege CEO with extensive experience in Lithium exploration.
- Focus on **Lithium** exploration projects in the Pilbara.
- **Gold** drill results at Tambourah confirmed historic mining grades
- High grade Cheela **Au** Project in the Pilbara
- Other critical minerals include Ni-PGE-Cu and REE's.



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

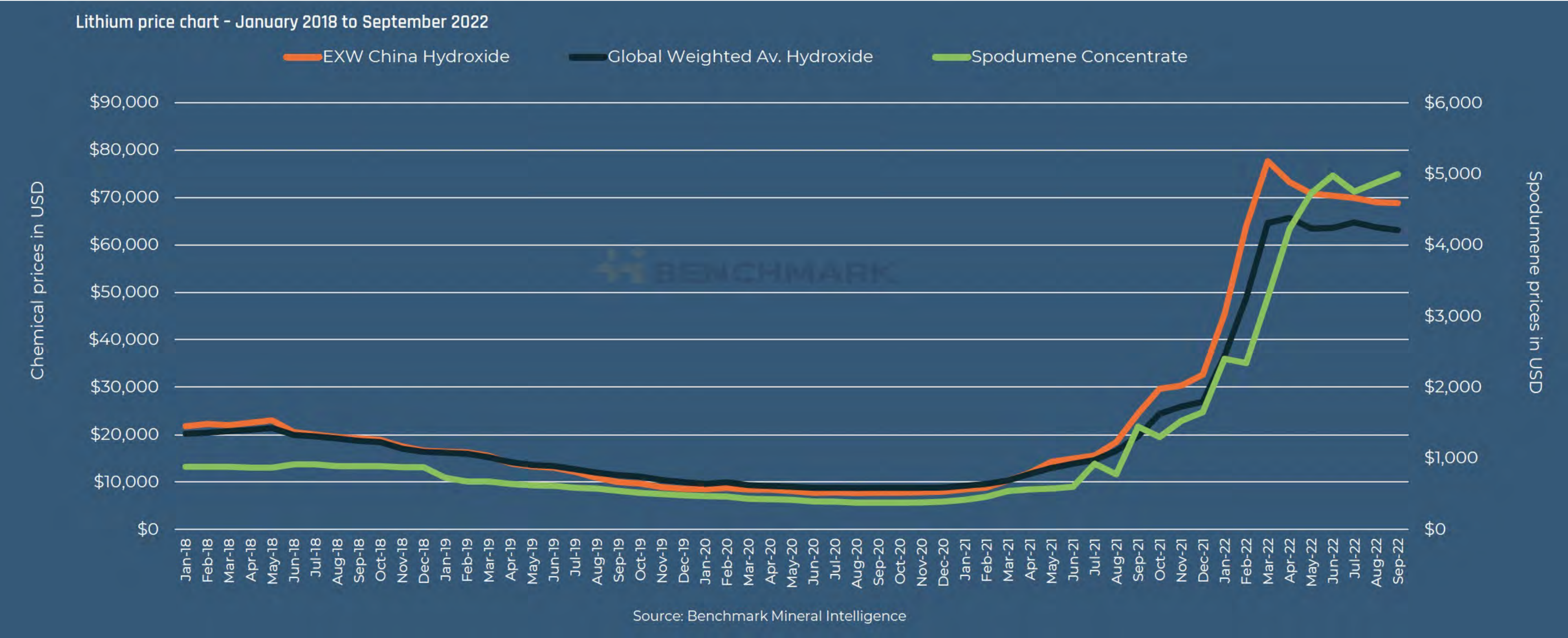


KEY FUNDAMENTALS

- 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)

“Demand for Lithium is expected to outstrip supply by 2030... 18 more Pilgangoora Mines need to be developed to meet this demand.”

(Pilbara Minerals presentation)



Lithium Price Chart January 2018 - 2022

Expanding Lithium Exploration

According to Lowy Institute article “The Race To Lithium”¹

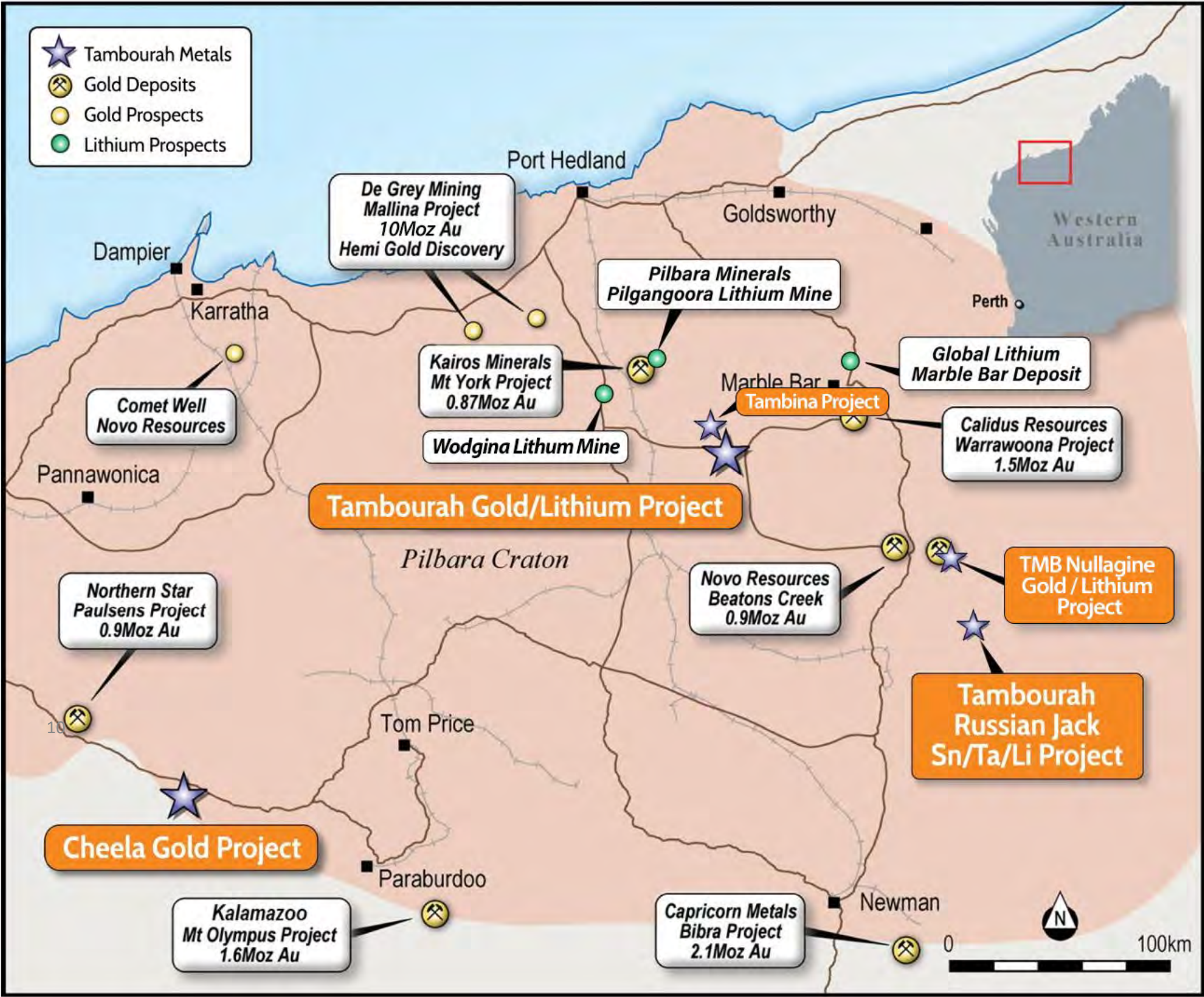
- The increasing reliance on renewable energy and electric vehicles (EVs) could lead to supply chain risks.
- Demand for lithium could exceed supply reserves by 250% in a 2050 net zero emissions future.
- Up to 20 countries have announced phase-out bans on internal combustion engine car sales, leading to a forecasted demand for 300 million EVs by 2030.
- Global lithium reserves of 22 million metric tonnes could be exhausted by EV use alone by 2030.
- Australia has 17% of the worlds lithium reserves.
- Western Australia accounts for 52% of global supply of lithium.



1. www.lowyinstitute.org/the-interpreter/race-lithium

Pilbara Region

TMB PROJECTS	
Russian Jack	Lithium
Nullagine	Gold-Lithium
Tambourah / Tambina	Gold-Lithium
Cheela	Gold



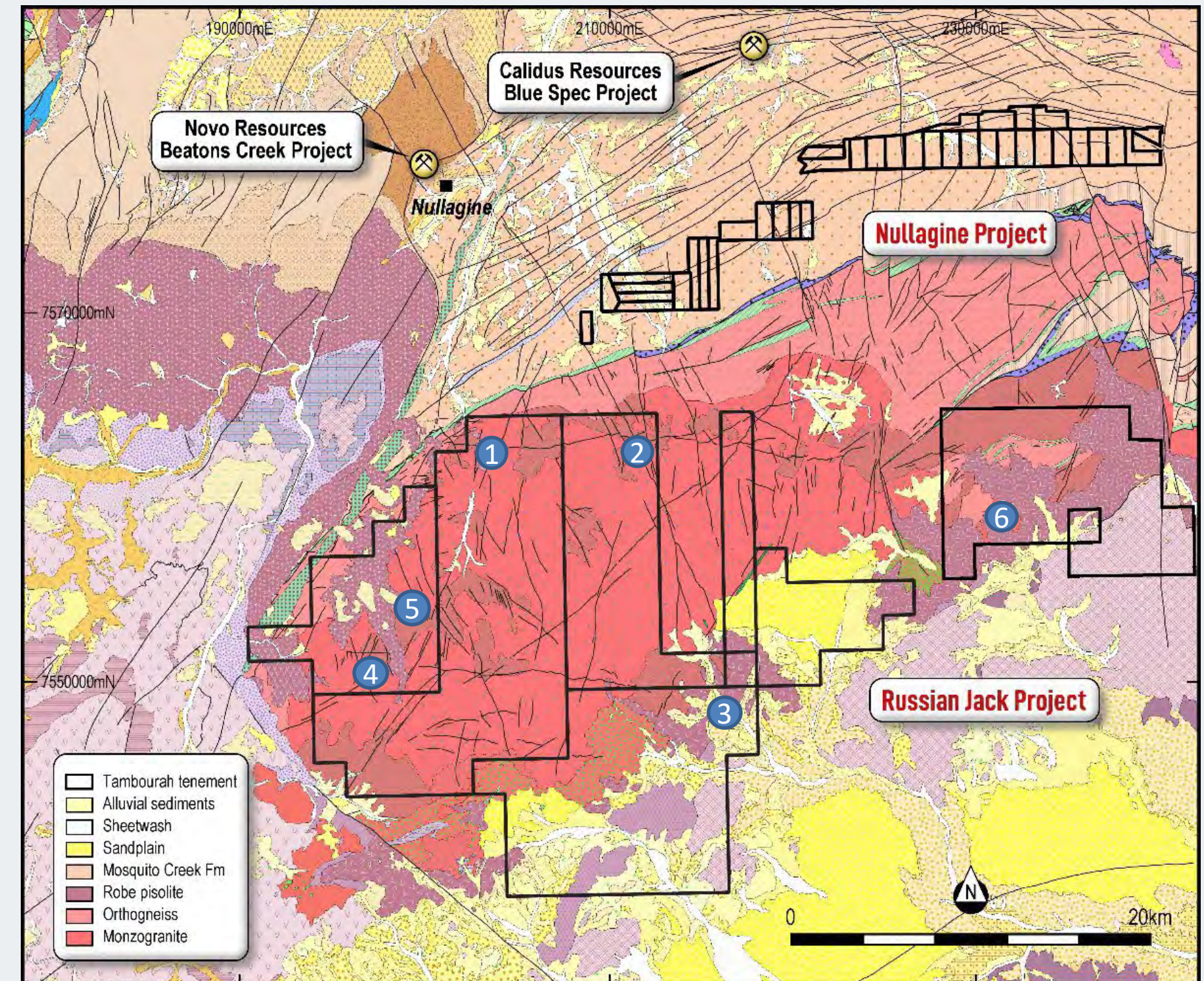
Tambourah Metals Pilbara Projects – Location Map

Russian Jack Lithium Exploration

- Russian Jack is hosted the in eastern portion of the Archean Pilbara craton.
- Pegmatites have been identified in the Nullagine goldfield at historic Ta-Sn-Li historic prospects.
- Albite bearing pegmatite identified at Russian Jack are very similar in appearance to the Brockman pegmatite, which hosts the Archer Lithium deposit of Global Lithium Resources.
- Sampling from No 1. had the following results:

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

Table 1: Russian Jack Rock Chip Sample Results



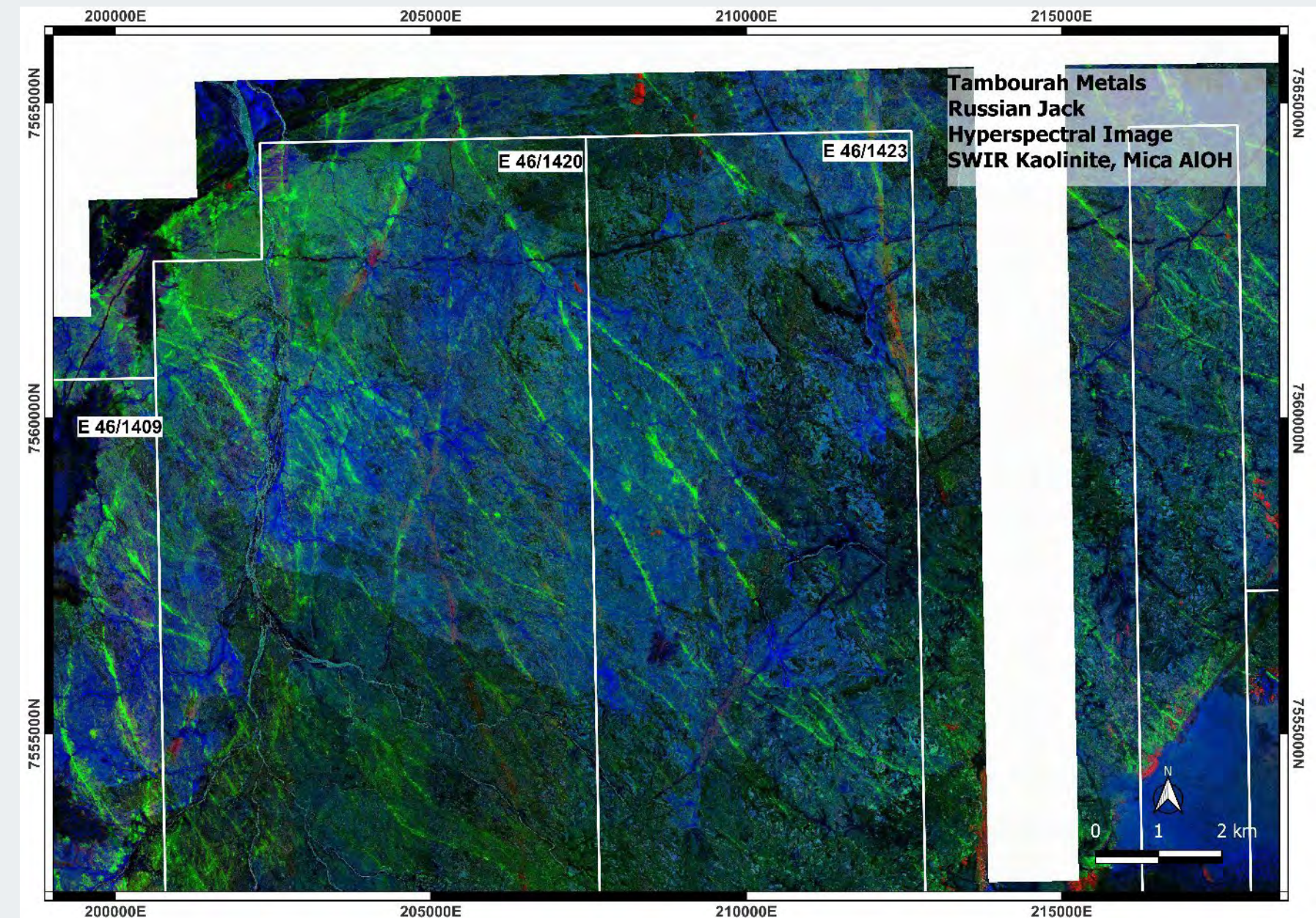
Nullagine & Russian Jack Tenements and Geology

CSIRO Collaboration at Russian Jack

- CSIRO collaboration applying Machine Learning with expected outputs that will highlight possible priority L-C-T pegmatites.
- Tambourah Metals Ltd has been awarded a CSIRO Kick-Start grant
- CSIRO will supplement Tambourah's remotely sensed spectral data with recently acquired and historic data that includes radiometric, magnetic and gravity datasets.



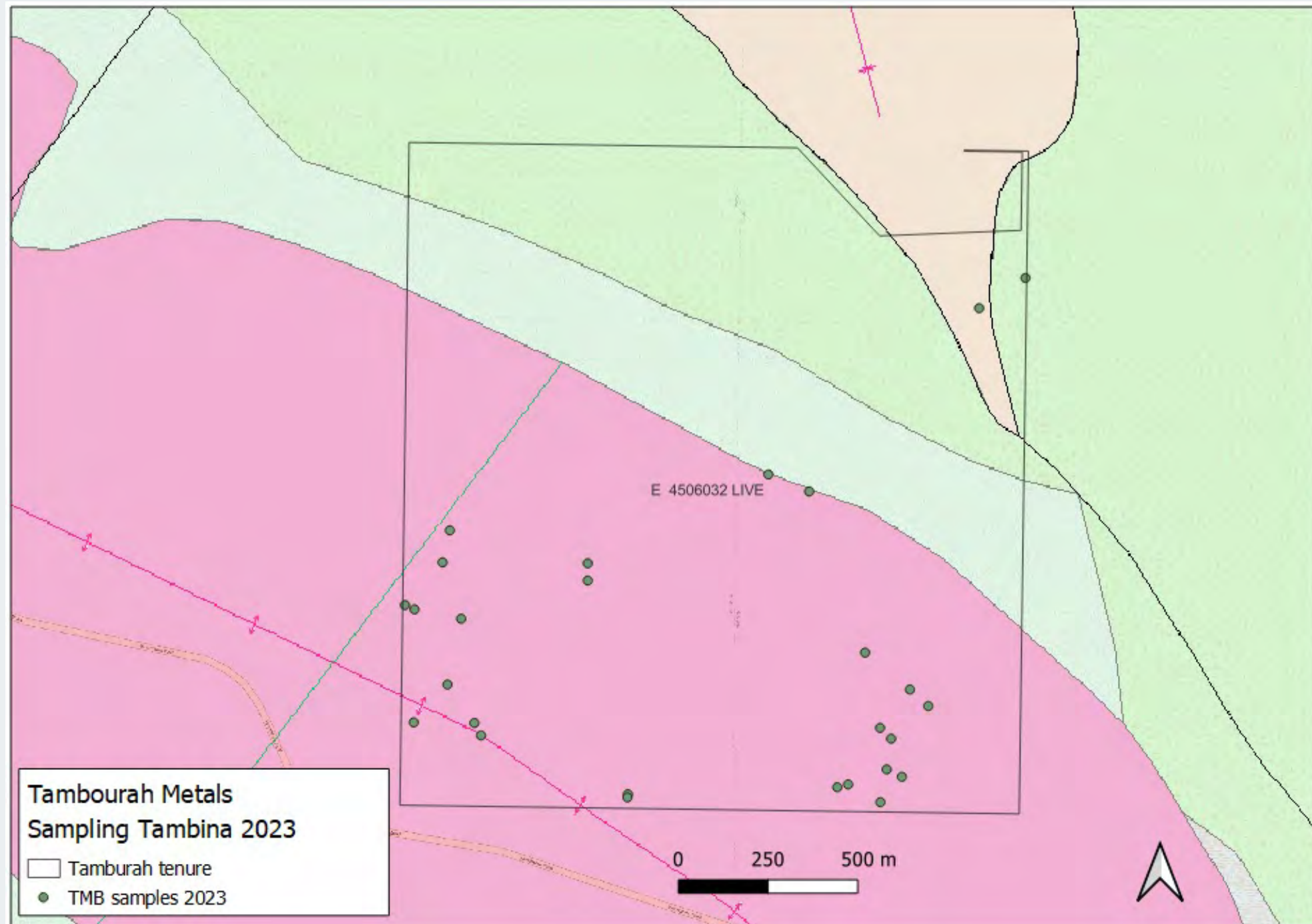
Rock Chip sample RJRK101 (October 25th, 2022)



Russian Jack hyperspectral overview image

1. ASX TMB announcement "L-C-T Pegmatites Exploration Expanded at Russian Jack" 21/11/2022
2. Applying supervised machine learning to reduce critical minerals search space in the Pilbara (OD-230619). CSIRO Internal document to TMB.

Tambina Lithium Project



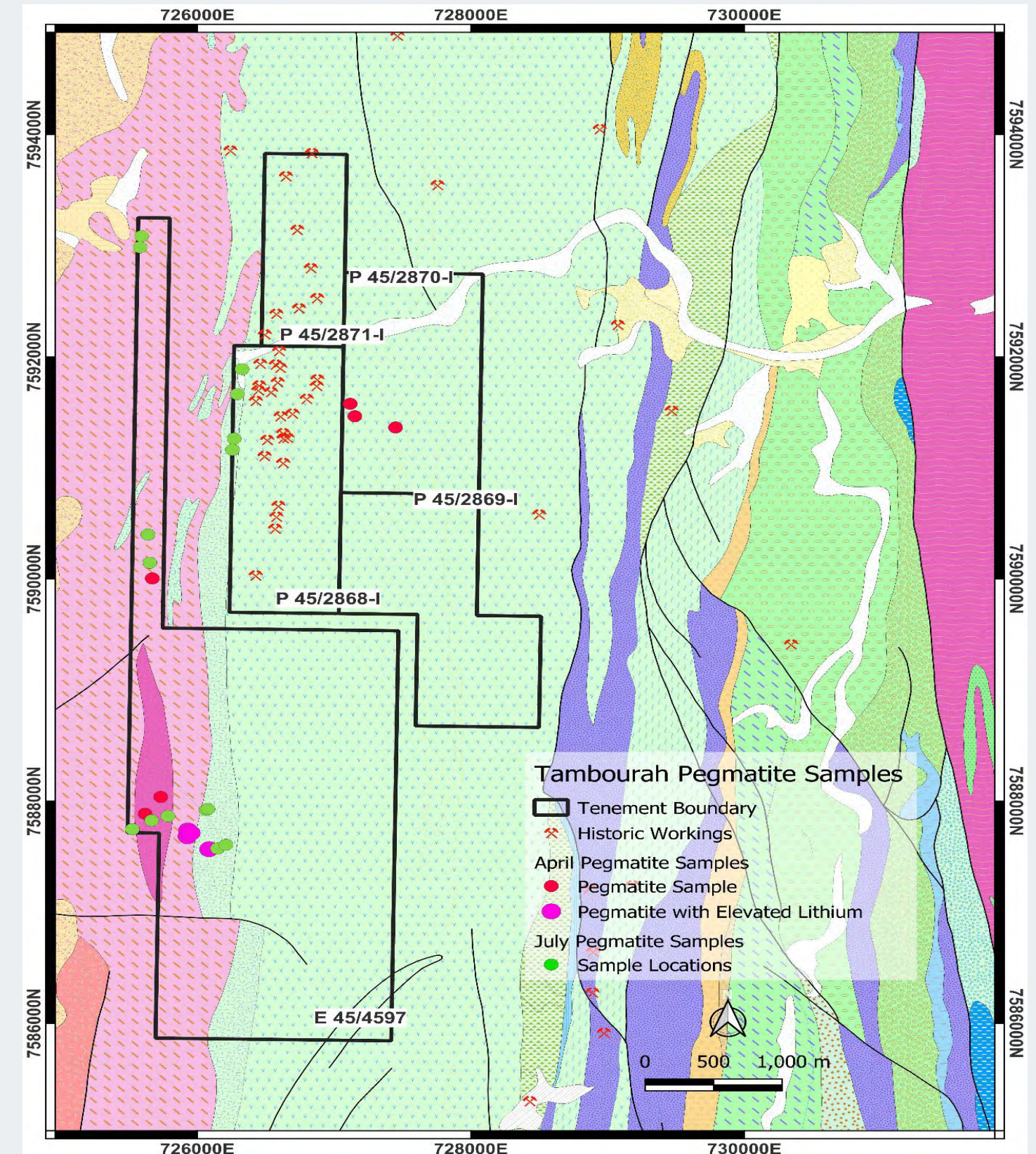
Rock chip sampling Tambina Lithium Project

- Tambina is located 15 km north of the Tambourah lithium gold project in highly prospective geology.
- Historic reports noted the presence of lithium bearing pegmatites.
- TMB has commenced systematic rock-chip sampling and mapping of the pegmatites
- Assay results will be announced shortly.



Tambourah Lithium Exploration

- New pegmatite outcrop identified of more than 50 m in strike length.
- The samples are located close to the granite-greenstone contact.
- Tambourah geologists are complementing previous sampling and mapping on EL45/5497 in Q2 2023, in the south-eastern and northern areas
- To the southern part of the tenure pegmatites have been identified during helicopter supported reconnaissance and will be investigated in Q2



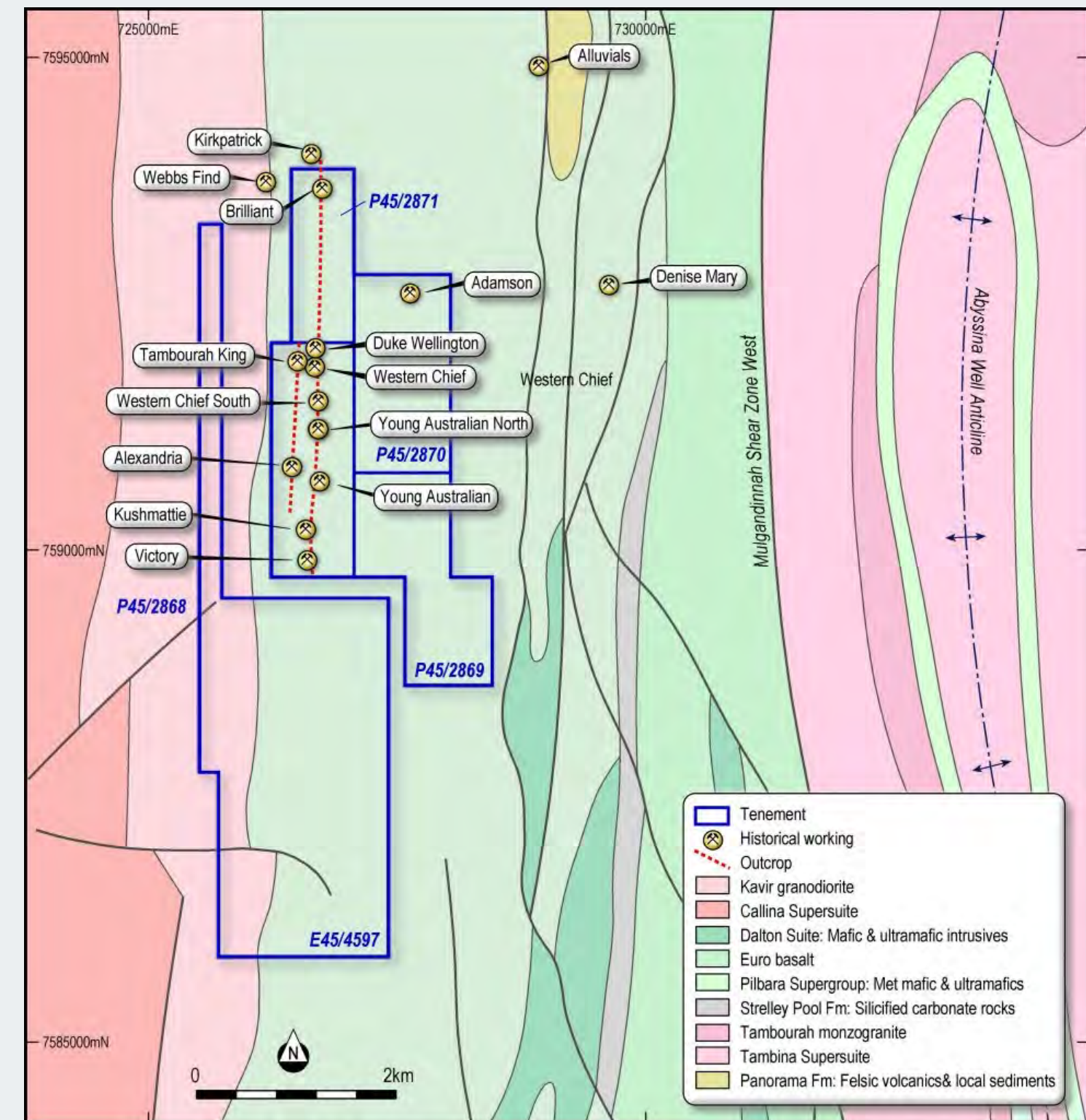
Tambourah Pegmatites 725916mE/7588001mN

Gold Mines at Tambourah



Gold Exploration at Tambourah

- Gold was discovered in the 1890s and high-grade gold (1 oz per ton) in quartz veins was mined from the surface
- Tambourah Metals has now consolidated the historic goldfield. The company has 8km of strike including the numerous historic gold mines.
- The Goldfield has had limited exploration in the last 50 years.
- First drill results at Federal included in 2022 incl: [1m@5.31g/t](#) Au (TBRC015)
- High Grade Gold Intercepts from the 2022 RC drilling at Tambourah incl:
- 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 has identified new targets
- Field work included sampling of lithium bearing pegmatites
- Planned follow up drilling at: Tambourah King , Western Chief , Federal, Kushmattie
 - New Drilling planned for World's Fair and Young Australian



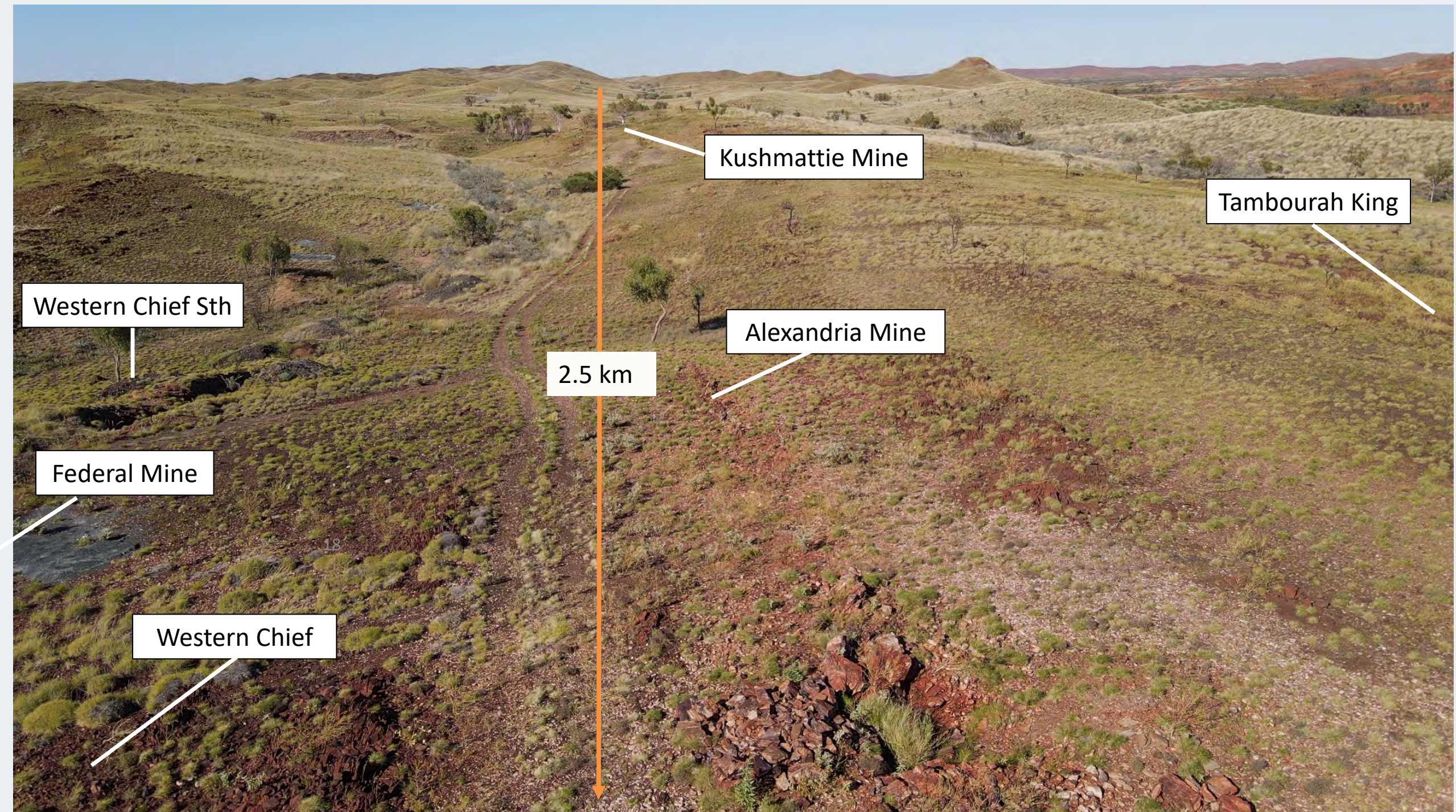
Tambourah Historic Goldfields Location Map

Gold Mines at Tambourah

- Drilling at Tambourah at selected historic gold mines.
- Significant drill results at TMB King¹.
- 2.5km strike length from Kushmattie to Western Chief.

Follow up work will include:

- Mining lease applications.
- Commence ground geophysics to constrain the geometry of the carbonate-silica-sulphide alteration that hosts the gold mineralisation.
- Heritage Clearance & Drilling.
- A second round of RC drilling will follow up the RC drill results.

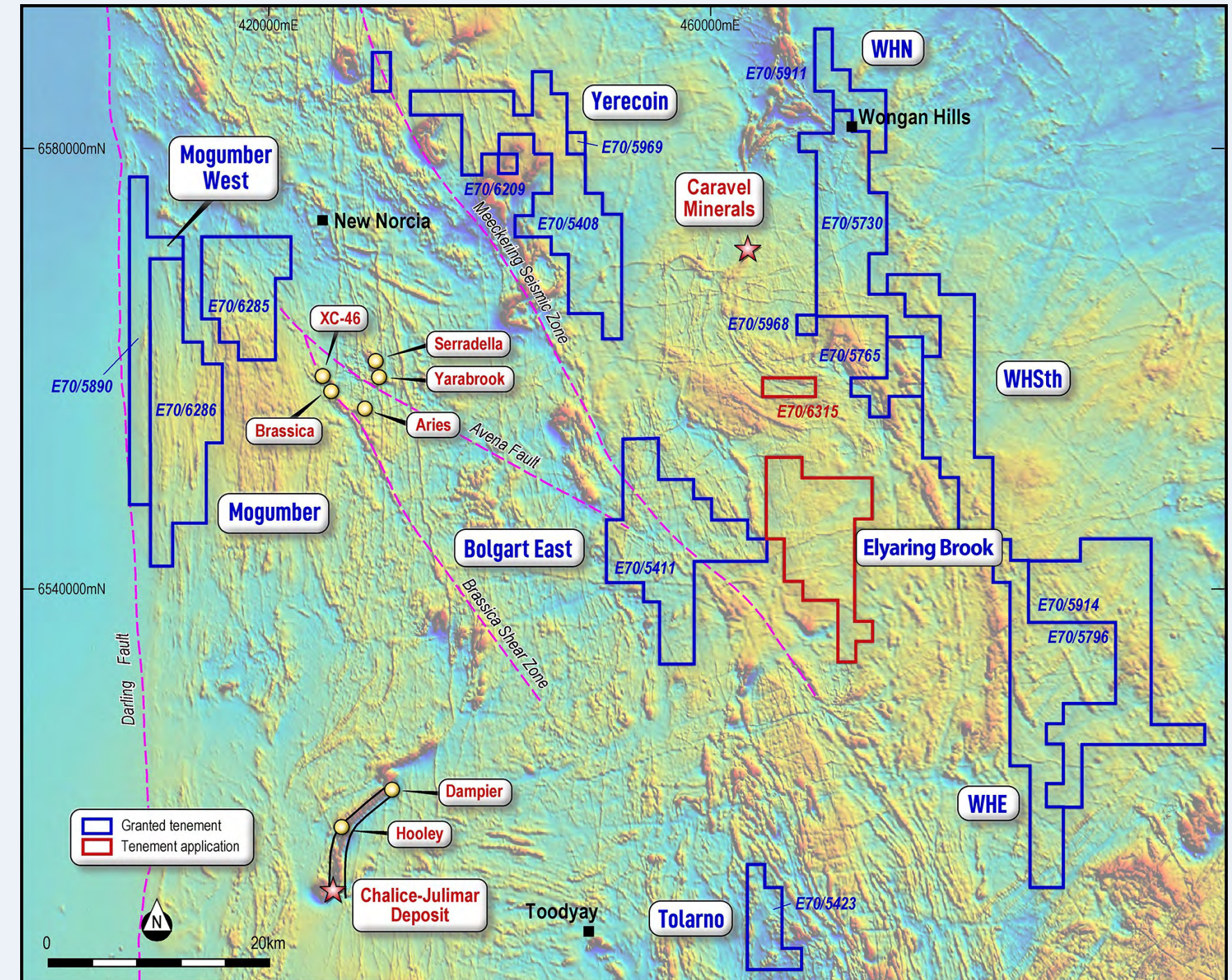


1. Tambourah Metals (TMB) ASX announcement 14th June 2022

Tambourah Historic Goldfields Location Photo

MMT Survey at Julimar North

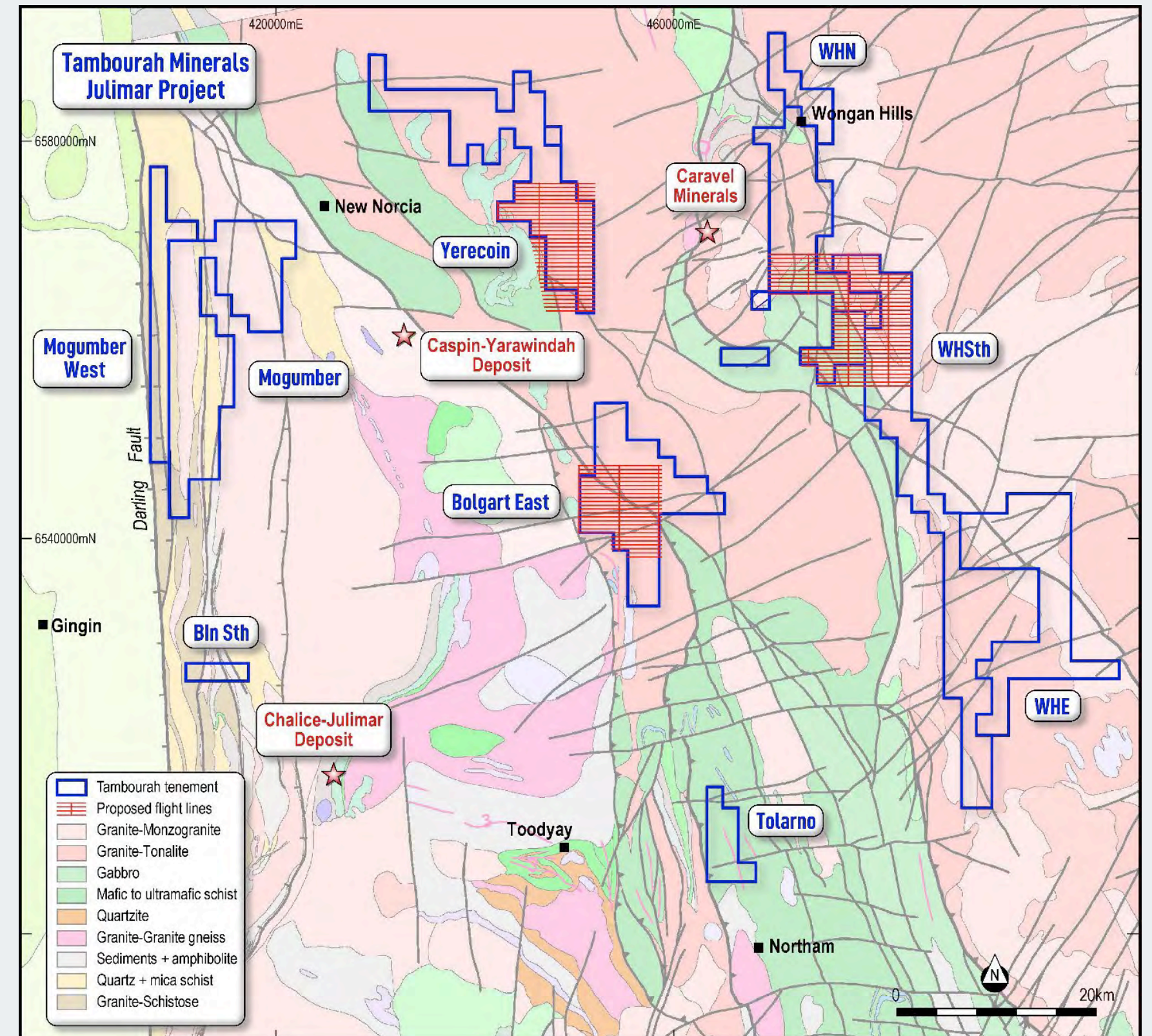
- The Bolgart East tenure is prospective for hosting Gonneville style Ni-Cu-PGE mineralisation within ultramafic rocks.
- The significance of these rocks with respect to the MMT conductors and the regional structures will be further investigated.
- Yerecoin, like Bolgart East, is prospective for hosting Gonneville styles of mineralisation in ultramafic rocks. Gabbros have been identified in scattered subcrop at Yerecoin.
- At WH Sth significant copper in soils will be the focus of the planned exploration in Q2/3.
- 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.



Julimar Nth & WH Sth Tenements on TMI Magnetics

Julimar North Ni/PGE/Cu

- Tambourah Metals has the largest exploration portfolio in the Julimar Region behind Chalice Mining
 - Chalice Mining is developing its Gonneville Ni-Cu-PGE resource at Julimar
 - 2 Tier 1 mines are within a 50 km radius
 - Caravel Resources is developing a Cu/Mo/Au mine with a 25-year mine life West of Wongan Hills.
- Tambourah has announced the results of the MMT survey and soil sampling results included copper anomalies.



Julimar North Project Locations Map

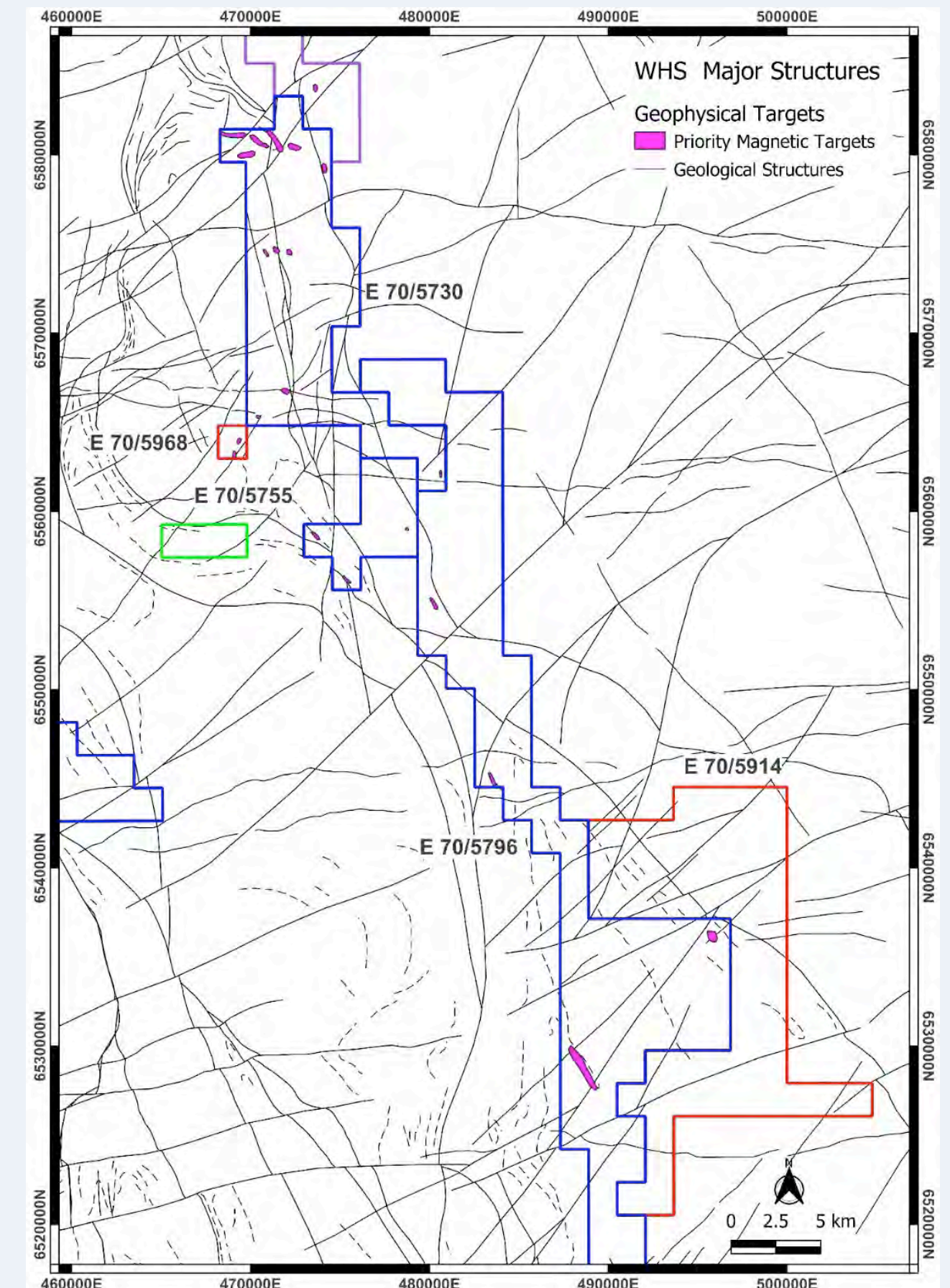
Cu-Mo-Au Exploration at WH Sth

The WHS project hosts regionally significant NW-SE trending structures and localised NE-SW and N-S trending structures, which act together to potentially host the regional mineralisation and the identified priority magnetic targets.

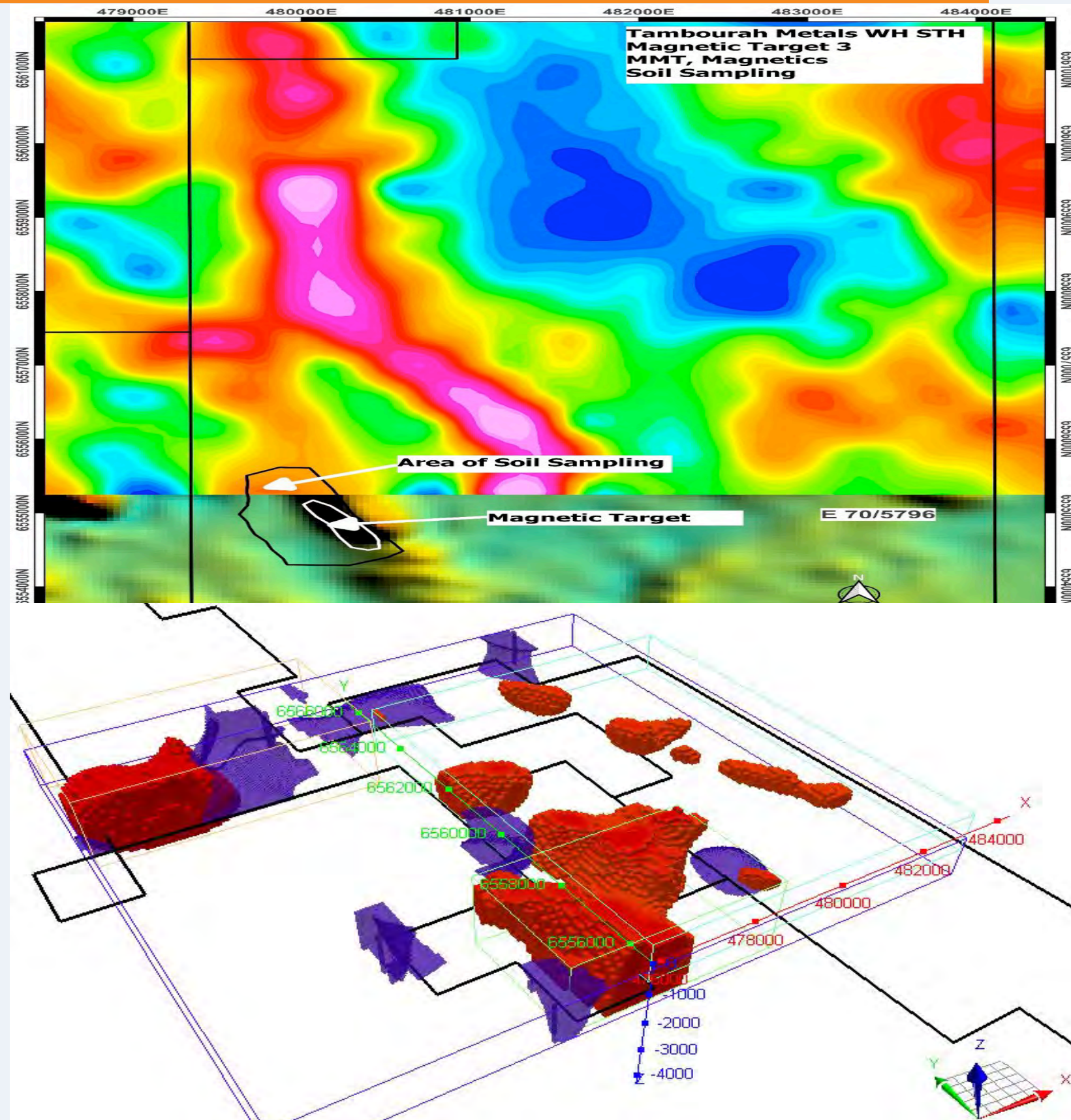
Sewel North:

Analysis with assays received indicating distinct anomalies coinciding with TMI anomalies (ASX: 31 March 2023, Significant Copper Results at WH South)

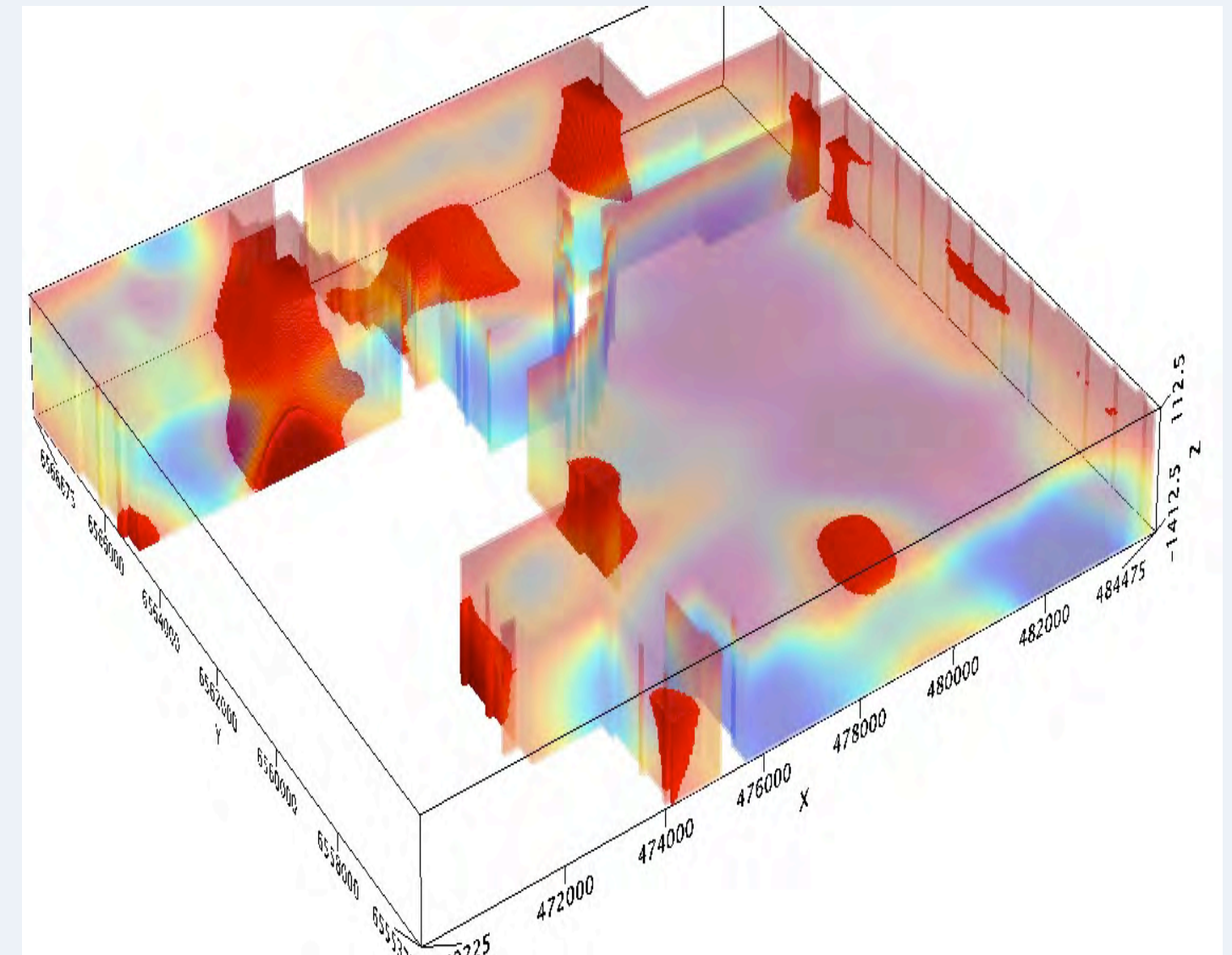
- The target was identified as a high priority magnetic target with signatures and structures like those of Caravel Minerals.
- Magnetic Target 3 is coincident with the position of an EM conductor in the MMT data.



Sewel North Block



3D view the Sewel North block. Magnetic anomalies in red; MMT anomalies in purple, resistivity range from 33 to 850 (Ωm)

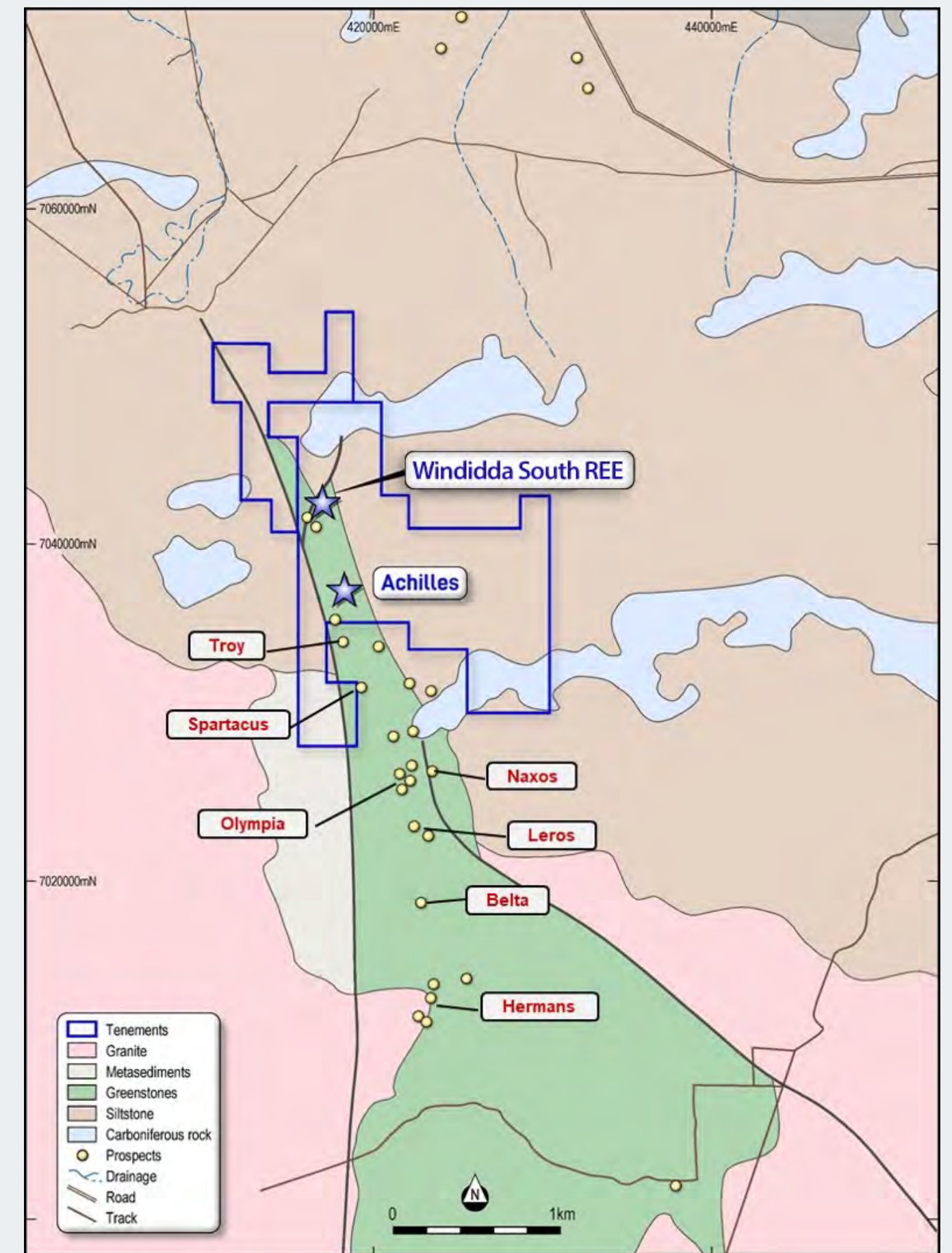


Resistivity voxel in 3D view of the Sewel North block with clipped most conductive targets

Resistivity range for Sewel North

Achilles Ni/PGE/Au/REE

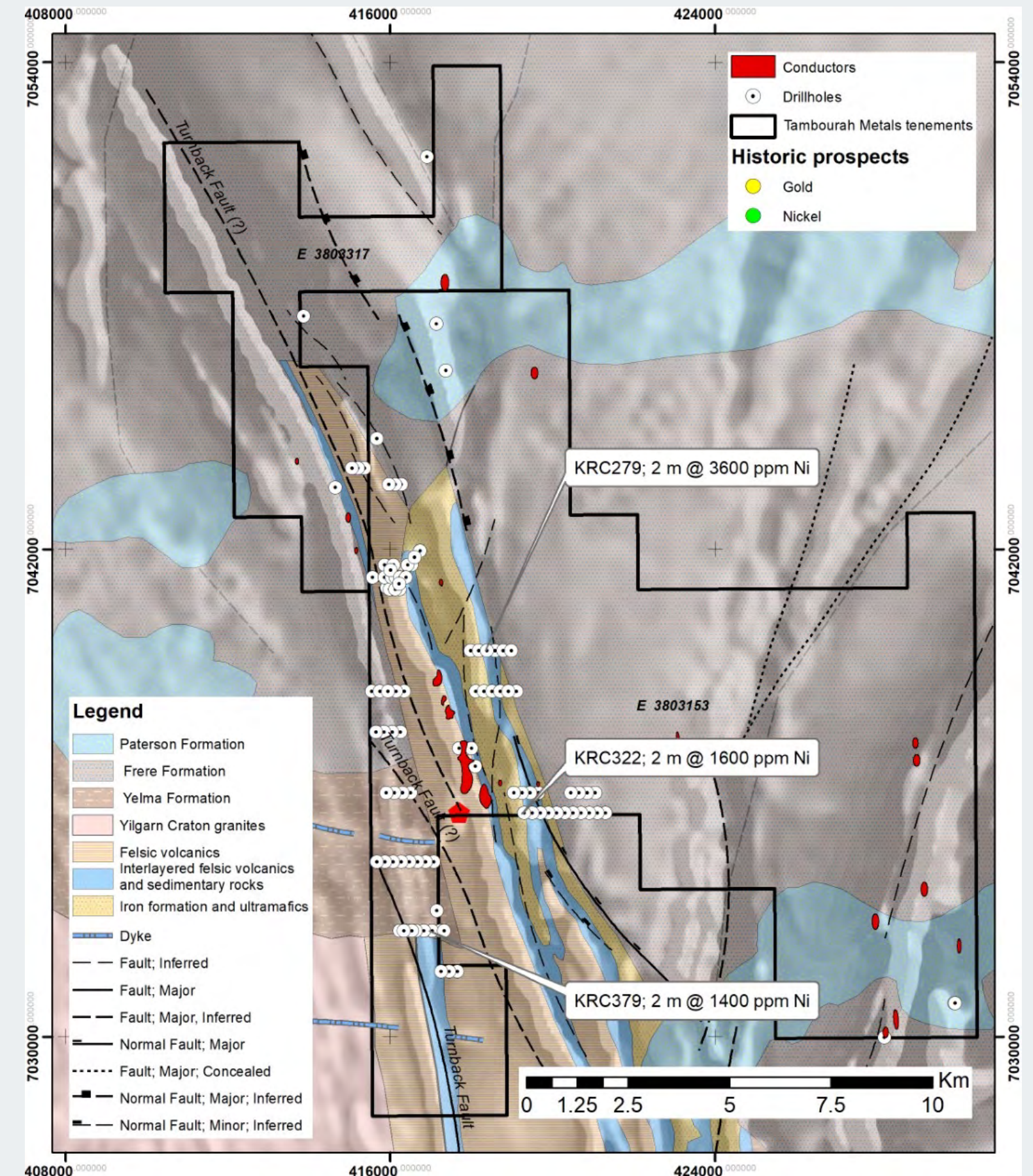
- The Achilles Ni-PGE-Cu project is located 235km north of Laverton and 200km east of Wiluna WA.
- Located 10km's North of Olympia Nickel deposit of Cannon Resources.
- The prospective ultramafic geology that hosts the Olympia Deposit extends for a strike length of 20km through the TMB
- Au/Ni targets have been identified in historic drilling At the Windidda South project within TMB tenure



Achilles Project Location Map

Achilles Ni/PGE/Au/REE

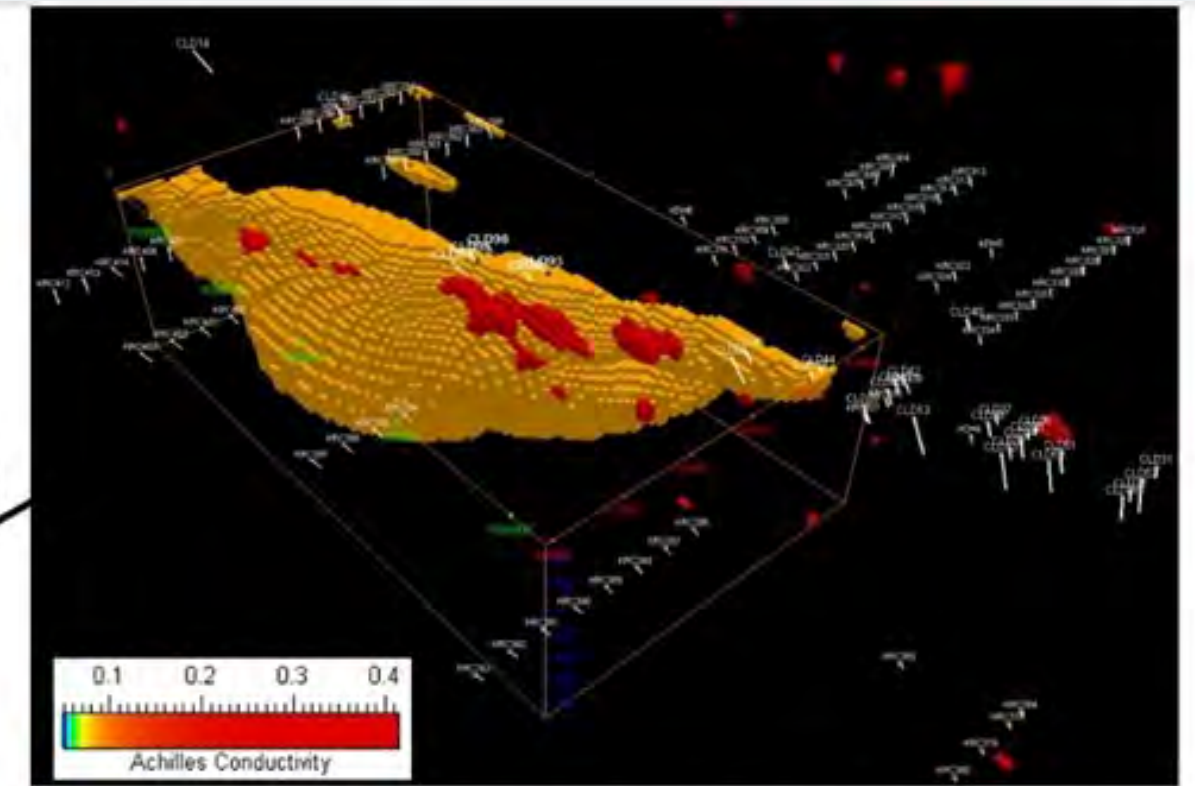
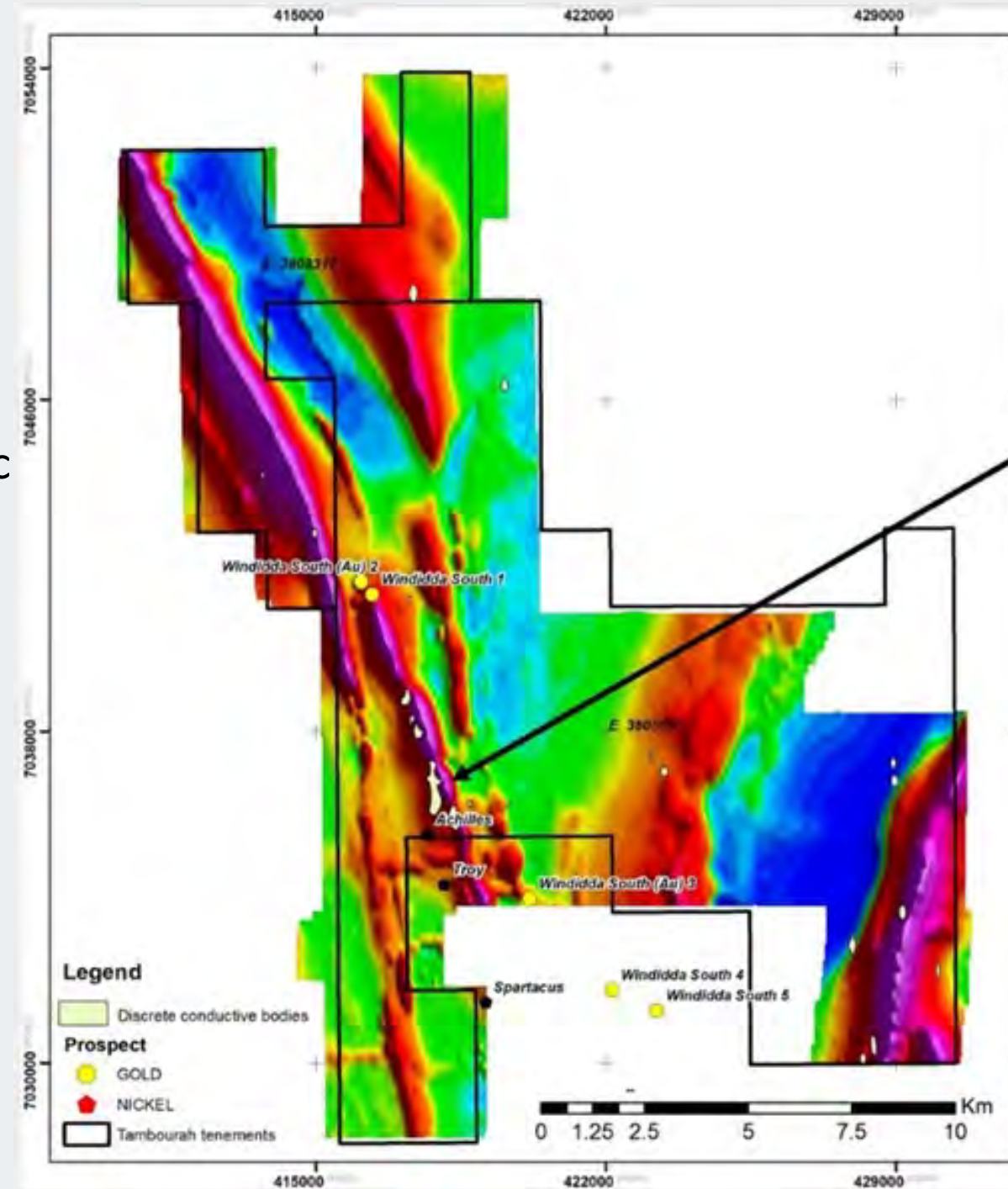
- Historic airborne EM data and identified 4 priority targets from detailed airborne EM surveys conducted in 2001 by WMC.
- Ground EM follow-up of the priority AEM conductors
- Diamond and RC drilling of ground EM conductors as appropriate.
- 3D modelling by Tambourah of the AEM data has shown that historic drilling failed to properly intersect the AEM target. We now have 22 discreet conductors.
- There is a trend along the NNW magnetic highs.



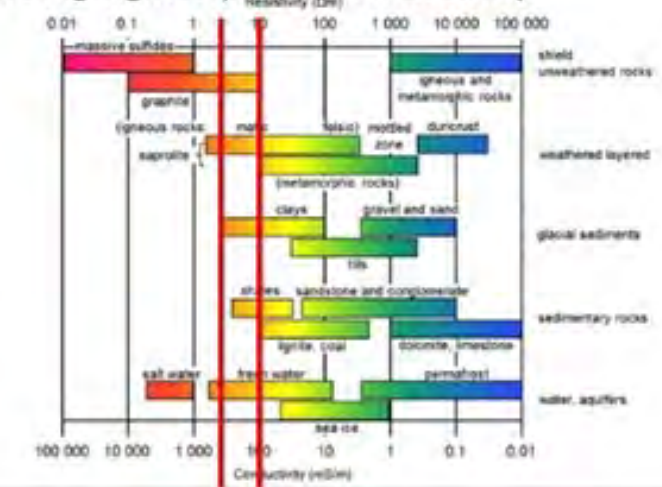
TMB Achilles Project on Reprocessed RTP TMI with GSWA Geology

Achilles NE Ni/PGE/Au Recent TMB AEM Survey Results

- Discrete Conductors identified at Achilles
- Compilation of the historic drill hole locations shows that none of these 22 conductors have been drill tested by the historic drilling
- Inversion of newly acquired AEM and magnetic data place the conductors within the depth range of 180 and 300m depth



Inversion of magnetic data indicates NNW oriented, elongated anomaly (yellow) in the south-western section of the tenement. Discrete conductive bodies within the magnetic anomaly are highlighted (in red). Conductivity values are from 100 mS to 400mS



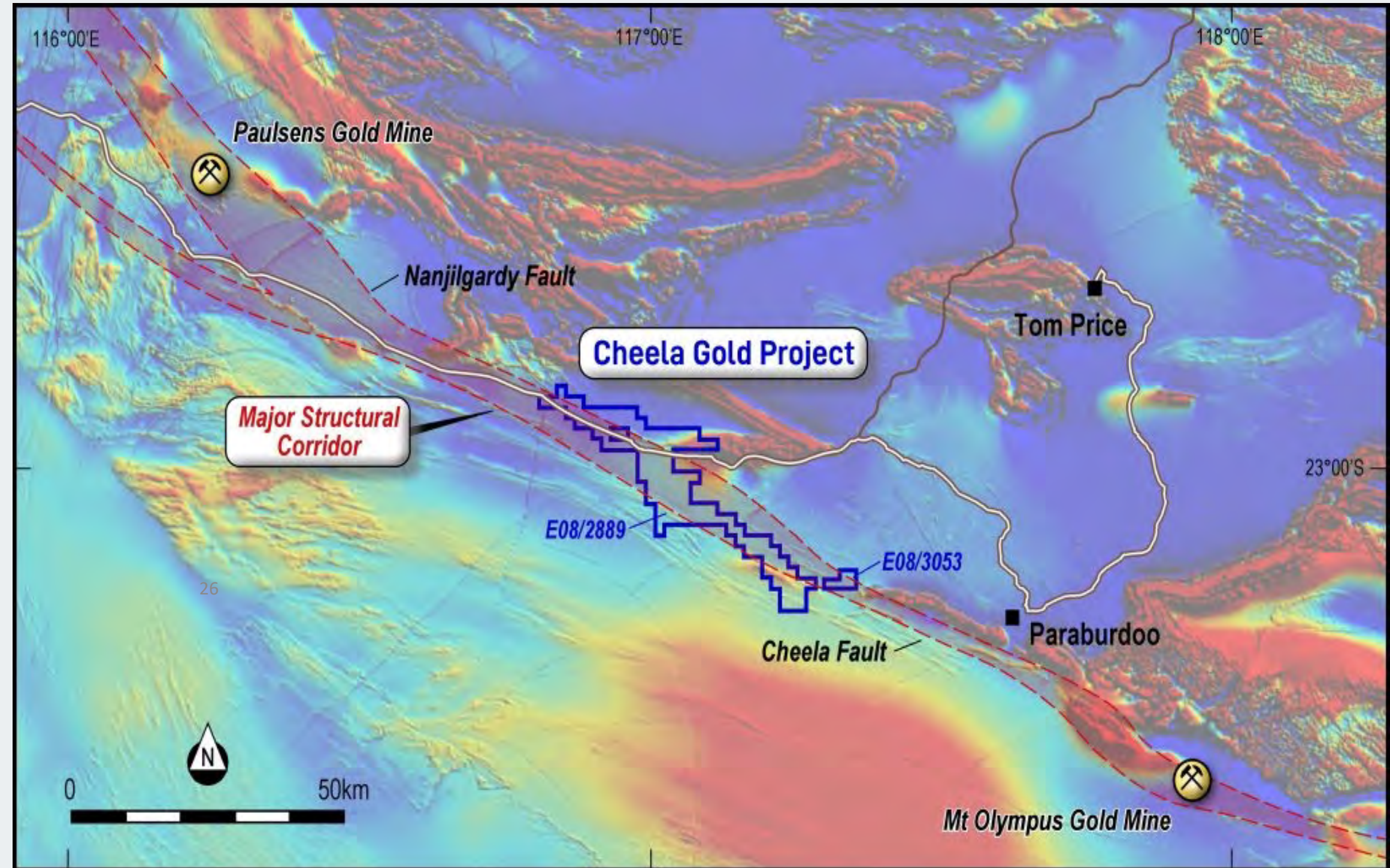
1. ASX 9th May 2023, Discreet Conductors identified at Achilles Ni-Cu-PGE Project

Achilles Magnetic map with magnetic data inversion (left) and historic drill holes (right)

Cheela Gold Project

Historic grades of gold identified from drilling over the last 25 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 historical soil sampling and several gold prospects



Cheela Historic Drilling Results

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

Tambourah

Metals Ltd

DIRECTORS

Ms. Rita Brooks	Executive Chairperson
Mr. Chris Ramsay	Non-Executive Director
Mr. Peter Batten	Non-Executive Director
Mr. Graeme Smith	Company Secretary

CONTACT US


For more information please contact:


Rita Brooks | Executive Chairperson
rita.brooks@tambourahmetals.com.au
+61 8 9481 8669

Admin | Head Office
admin@tambourahmetals.com.au
+61 8 9481 8669

Tambourahmetals.com.au

ASX:TMB

 [instagram.com/tambourahmetals](https://twitter.com/TambourahM)

 twitter.com/TambourahM

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