



**ASX / KRR**

April 2025

**AGES PRESENTATION**

AGES - RESOURCING THE TERRITORY  
PRESENTATION

9 April 2025, Alice Springs, NT

## Gold Exploration in the East Tennant and Barkly Region

Targets in Warramunga-equivalent units under  
Cambrian cover, and in the Ooradidgee Group

# Important Notices



## **Disclaimer & Competent Persons Declaration**

The purpose of this presentation is to provide an update on the business of King River Resources Ltd (ASX: KRR) ('Company'). These slides are intended solely as a presentation aid, and the information contained within may require further explanation and/or clarification. The slides should be read in conjunction with past and future announcements made by King River Resources Ltd and should not be relied upon as an independent source of information.

This presentation does not constitute a recommendation or forecast by King River Resources Ltd. Nothing in this presentation should be construed as either an offer to sell, or solicitation of an offer to buy or sell shares, in any jurisdiction.

## **Cautionary Statement regarding forward looking information**

This presentation contains forward-looking statements concerning King River Resources Ltd. Forward-looking statements are not statements of historical fact, and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are subject to inherent risks related to business, economic, competitive, political and social uncertainties. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by, or behalf of, the Company. Forward looking statements in this release reflect the Company's beliefs, opinions and estimates as of the dates the statements are made. The Company assumes no obligation to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

## **Competent Persons Statement**

The information in this presentation that relates to Exploration Results is based on information compiled by Andrew Chapman. Mr. Chapman is a Consulting Geologist contracted with the Company and a member of the Australian Institute of Geoscientists (AIG). Mr. Chapman has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Chapman consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

## **ASX Listing Rules Compliance Statement**

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases previously made. The Company confirms that the presentation of the Competent Person's findings remains consistent in both form and context with the original market announcements, with no material changes.

This announcement has been approved for release by the Board of King River Resources Limited.

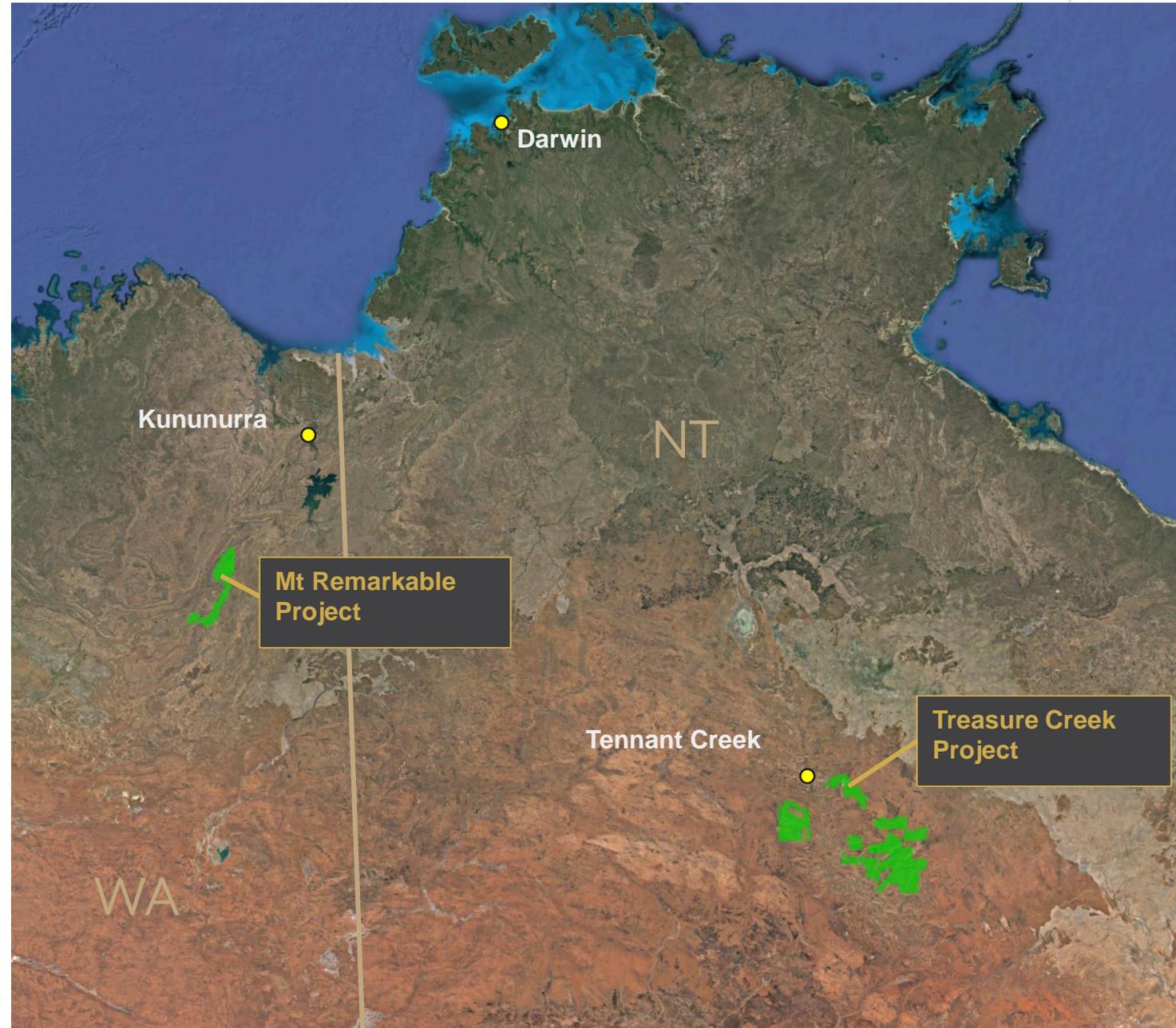
## King River Resources Limited (KRR)

*(NT wholly owned subsidiary Treasure Creek Pty Ltd)*

*(WA wholly owned subsidiary White Water Minerals Pty Ltd)*

### Acknowledgements:

- Tony Barton (Chair)
- Greg MacMillan (Director/Company Secretary)
- Leonid Charuckyj (Non Executive Director)
- Ken Rogers (Chief Geologist/Research Scientist)
- Kathrin Gerstmayr (Joint Company Secretary)



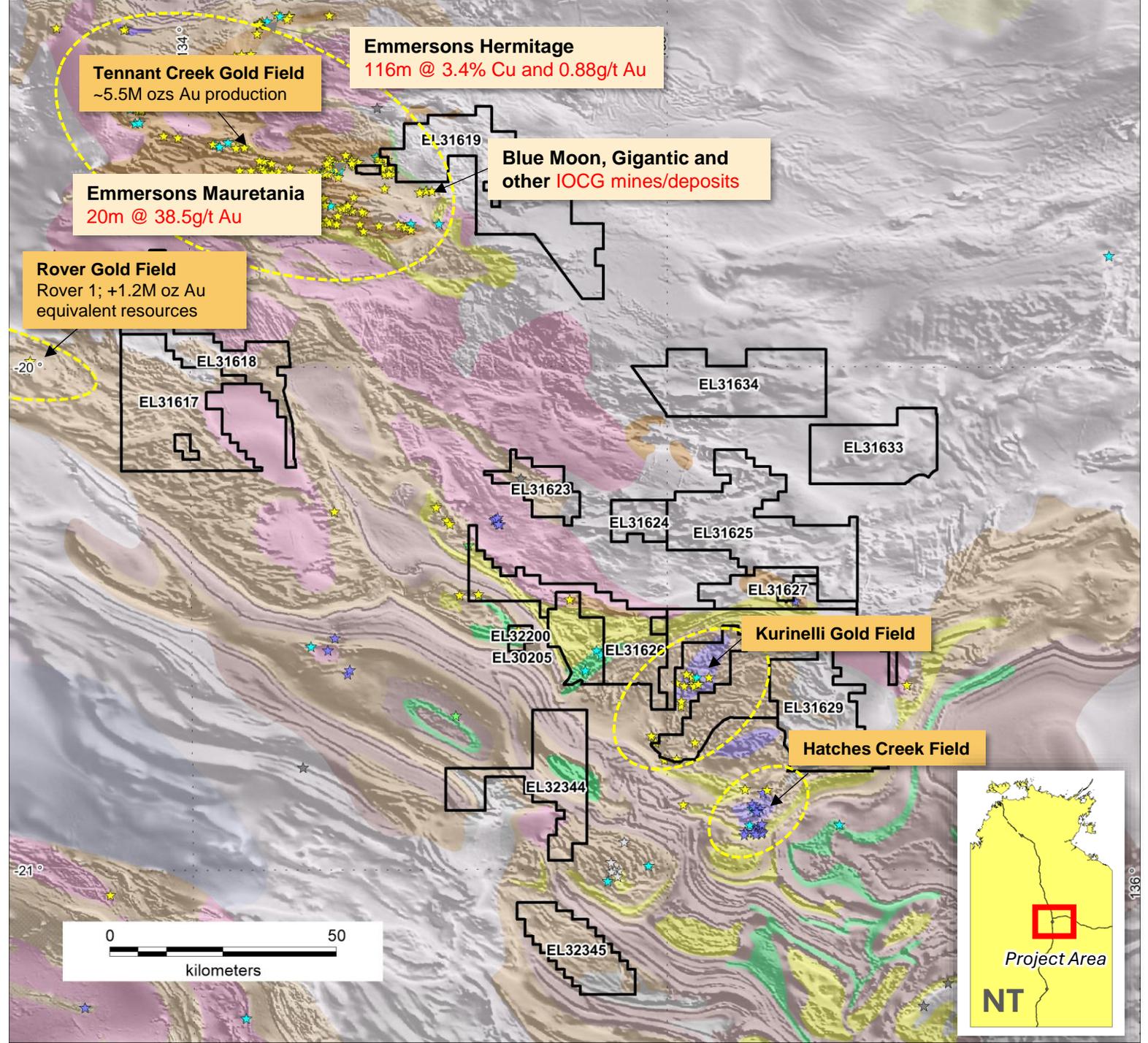
# Tenement Holdings:

KRR's Treasure Creek Holdings:

- 16 exploration licences (Treasure Creek Pty Ltd)
- ~5,000km<sup>2</sup>

Tennant Creek, Rover, Kurinelli, Hatches Creek Mineral Fields

- There have been exciting exploration results from the area in recent years
- Tennant Creek is known for bonanza-style gold/copper intersections



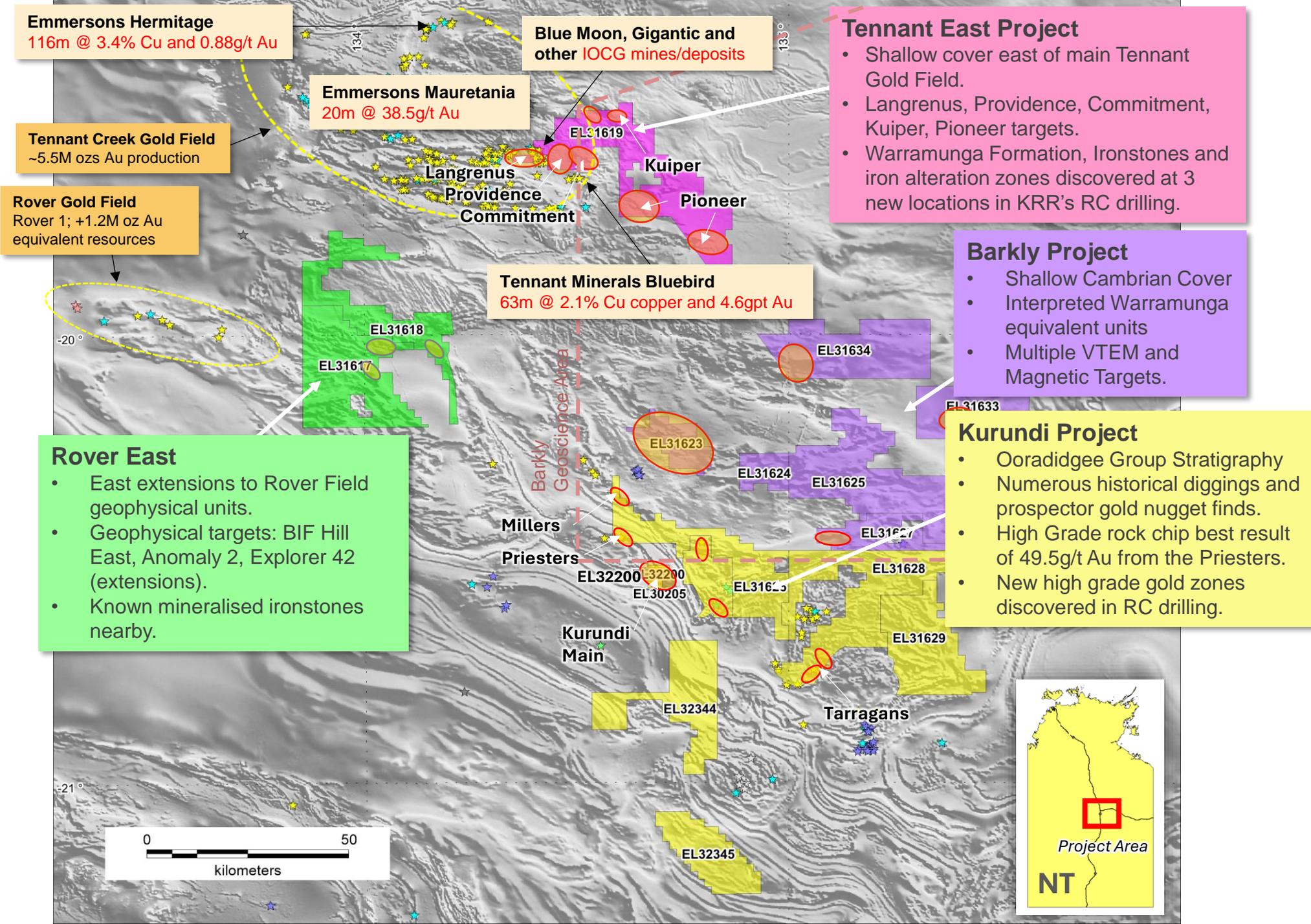
# Main projects:

Tennant East,

Barkly,

Rover East,

Kurundi



**Emmersons Hermitage**  
116m @ 3.4% Cu and 0.88g/t Au

**Blue Moon, Gigantic and other IOCG mines/deposits**

**Tennant East Project**

- Shallow cover east of main Tennant Gold Field.
- Langrenus, Providence, Commitment, Kuiper, Pioneer targets.
- Warramunga Formation, Ironstones and iron alteration zones discovered at 3 new locations in KRR's RC drilling.

**Tennant Creek Gold Field**  
~5.5M ozs Au production

**Emmersons Mauretania**  
20m @ 38.5g/t Au

**Rover Gold Field**  
Rover 1; +1.2M oz Au equivalent resources

Langrenus  
Providence  
Commitment

Kuiper  
Pioneer

**Barkly Project**

- Shallow Cambrian Cover
- Interpreted Warramunga equivalent units
- Multiple VTEM and Magnetic Targets.

**Tennant Minerals Bluebird**  
63m @ 2.1% Cu copper and 4.6gpt Au

**Kurundi Project**

- Ooradidgee Group Stratigraphy
- Numerous historical diggings and prospector gold nugget finds.
- High Grade rock chip best result of 49.5g/t Au from the Priesters.
- New high grade gold zones discovered in RC drilling.

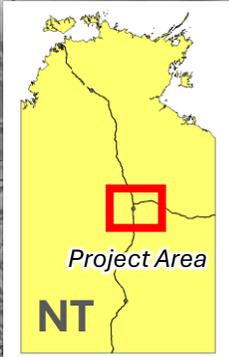
**Rover East**

- East extensions to Rover Field geophysical units.
- Geophysical targets: BIF Hill East, Anomaly 2, Explorer 42 (extensions).
- Known mineralised ironstones nearby.

Millers  
Priesters

Kurundi Main

Tarragans



# Regional Setting:

The Tennant Inlier

- Warramunga Province
- Davenport Province

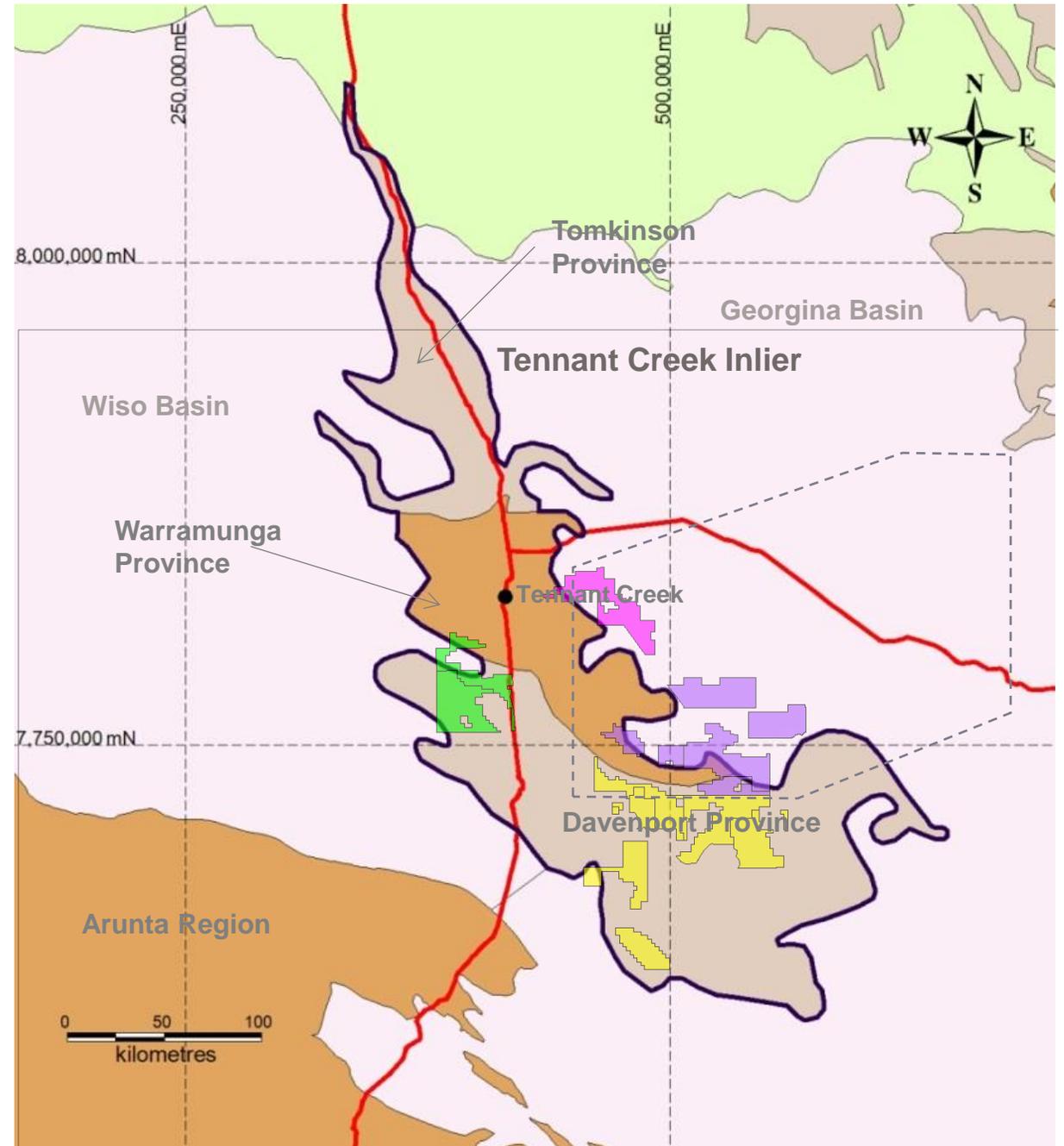
To the West and East:

- Georgina and Wiso Basin
- Cambrian Cover Rocks

KRR had Early entry to Barkly  
Precompetitive Area

Early review work highlighted:

- 1) The Wiso and Georgina Basin cover was not as deep as expected
- 2) Academics suggested younger ages for some gold mineralisation events in the region indicating the potential for significant discoveries in stratigraphy younger than the Warramunga Formation.



# Exploration Models:

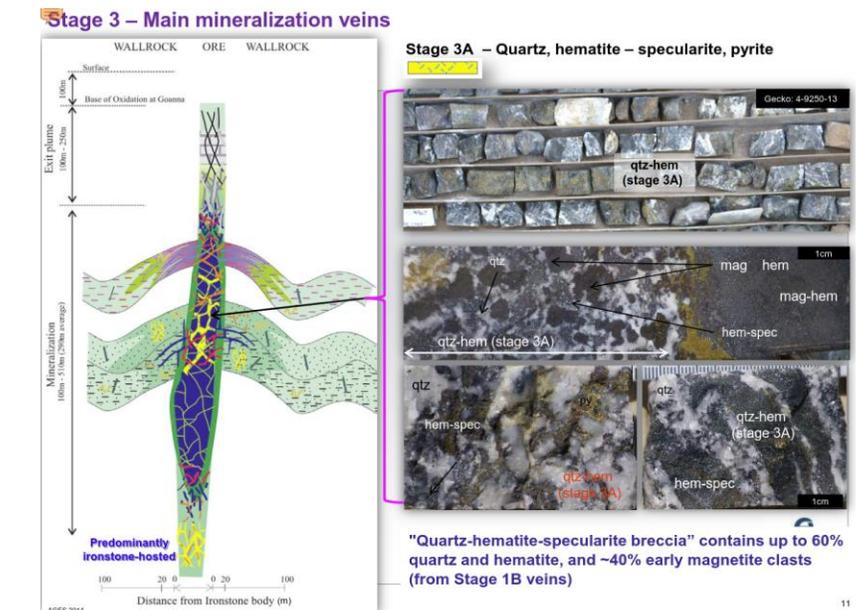
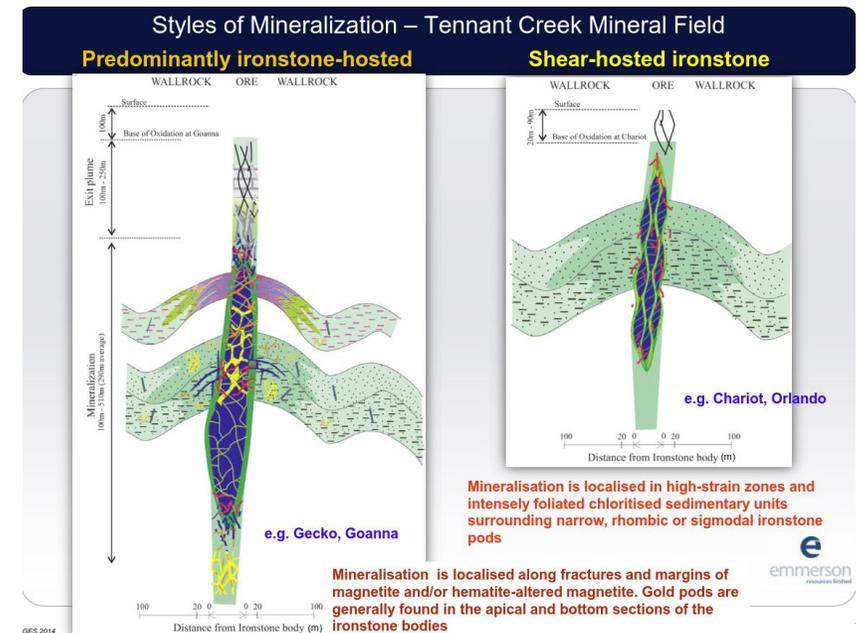
## Target Model 1:

Tennant Creek Style Iron Oxide Copper Gold (IOCG) deposits

- Typically, within Warramunga equivalent rocks.
- Mineralisation is associated with magnetite/hematite bodies, often in fold hinges and intersections of structures.
- Geophysical targets: Classic coincident magnetic/gravity anomalies

## Target Model 2:

- Gold mineralisation hosted in Stratigraphy younger than the Warramunga Formation (Ooradidgee Group)
- Both Tennant Creek Style Ironstones and shear/vein hosted gold mineralisation



**Emmersons Hermitage**  
116m @ 3.4% Cu and 0.88g/t Au

**Blue Moon, Gigantic and other IOCG mines/deposits**

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Rover 1; +1.2M oz Au equivalent resources

**Tennant East Project**

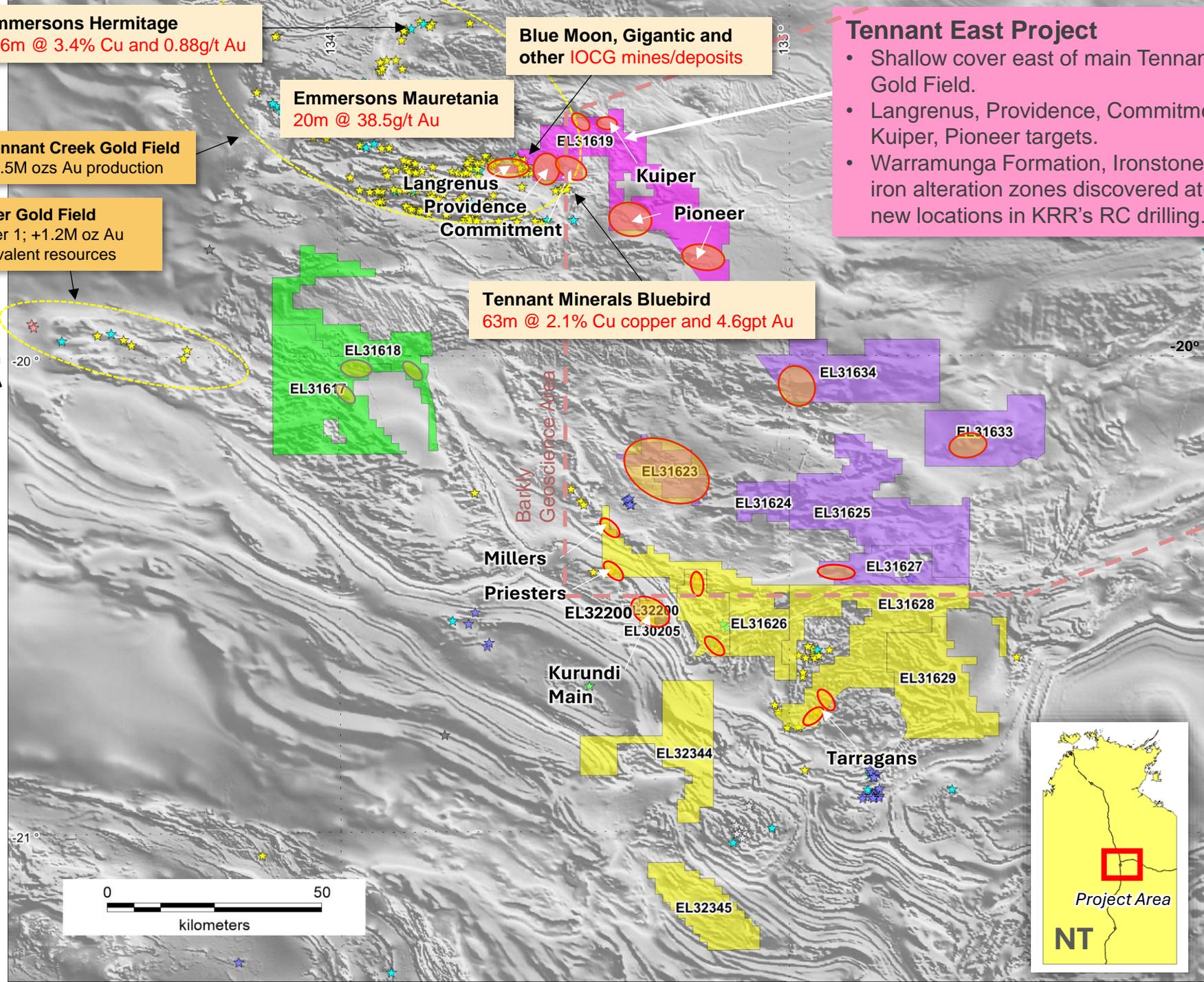
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# Tennant East Project

Edge of the Tennant Creek Field

Cambrian cover gets deeper to east

Next slide: zoom in on Langrenus, Providence and Commitment



## Langrenus

- Quartz Hematite Ironstone discovered along strike of Hopeful Star and Mauretania Trend.
- Significant geochemically anomalous RC results up to: 0.2g/t Au, 0.79% Cu, 34g/t Ag and 53ppm Bi.

## Gigantic, Blue Moon, Metallic Hill Mines (Emmerson Resources)

Explorer 195

## Commitment

- Geochemically anomalous ironstones discovered under shallow Cambrian cover (38m).

## Providence

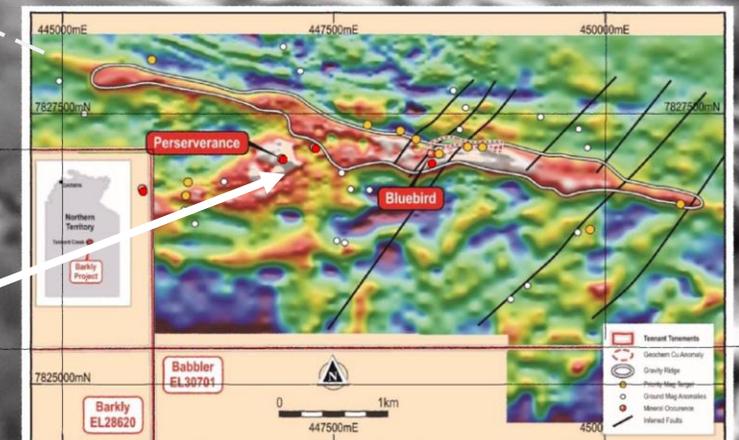
- Intersection of E-W and NW gravity trends.
- New ironstones and iron alteration zones discovered.
- Anomalous gold values up to 0.1g/t Au on newly tested gravity trend (RC results).
- 0.91% Copper and 65.3ppm Bismuth on main NW trending gravity anomaly in RC results.

Mauretania  
20m @ 38.5g/t Au  
(Emmersons Resources)

## Bluebird/Perseverance

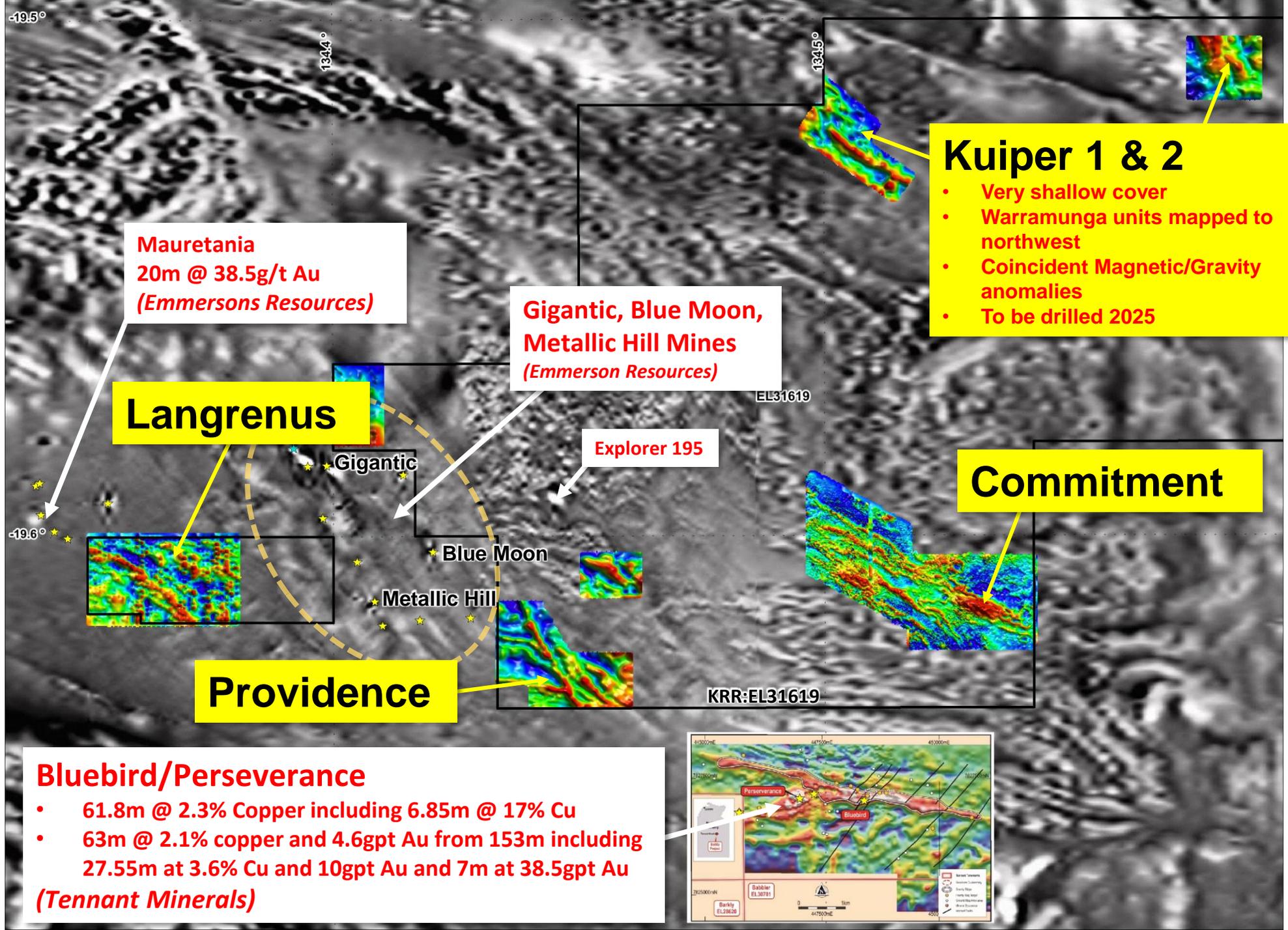
- 61.8m @ 2.3% Copper including 6.85m @ 17% Cu
  - 63m @ 2.1% copper and 4.6gpt Au from 153m including 27.55m at 3.6% Cu and 10gpt Au and 7m at 38.5gpt Au
- (Tennant Minerals)

5km



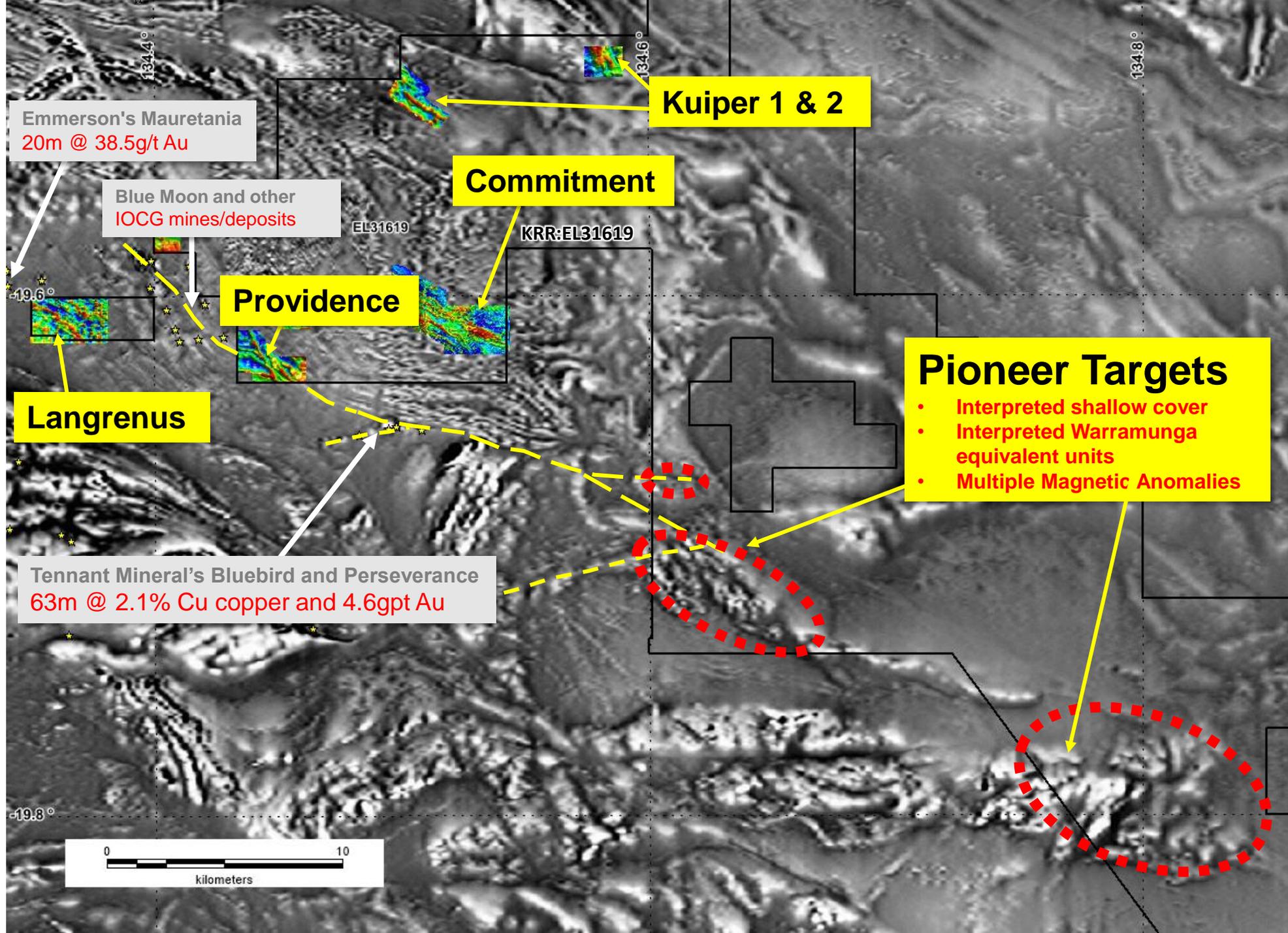
# Tennant East Project

Kuiper Targets in relation to Langrenus, Providence and Commitment



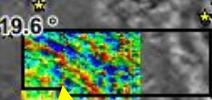
# Tennant East Project

Pioneer Targets in relation to Langrenus, Providence and Commitment



Emmerson's Mauretania  
20m @ 38.5g/t Au

Blue Moon and other  
IOCG mines/deposits



**Langrenus**

**Providence**

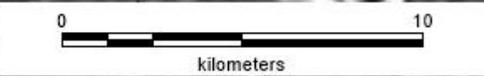
**Commitment**

**Kuiper 1 & 2**

Tennant Mineral's Bluebird and Perseverance  
63m @ 2.1% Cu copper and 4.6gpt Au

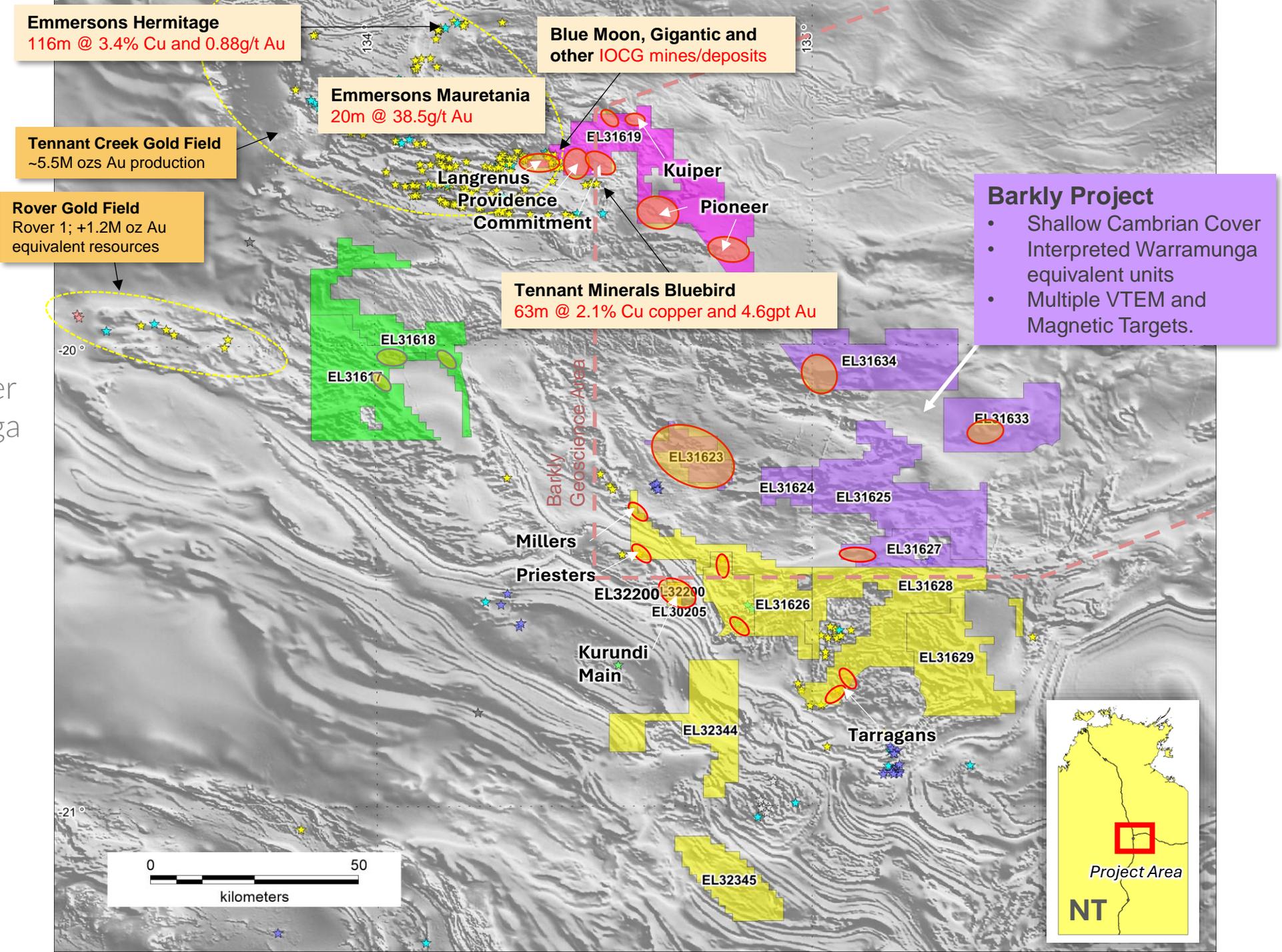
**Pioneer Targets**

- Interpreted shallow cover
- Interpreted Warramunga equivalent units
- Multiple Magnetic Anomalies



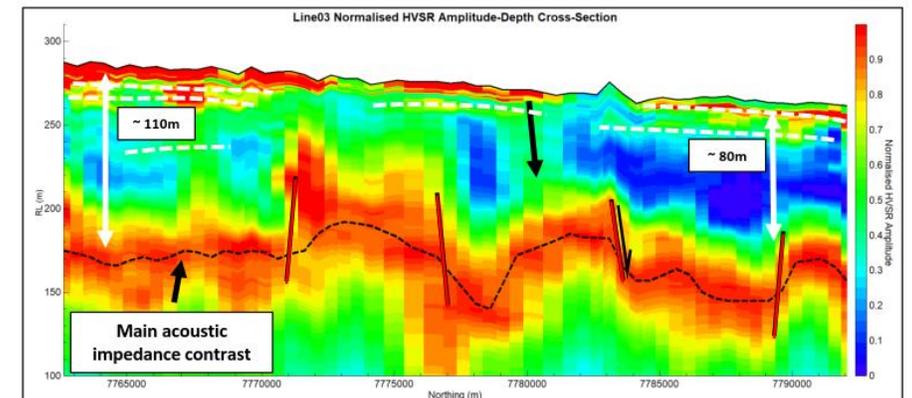
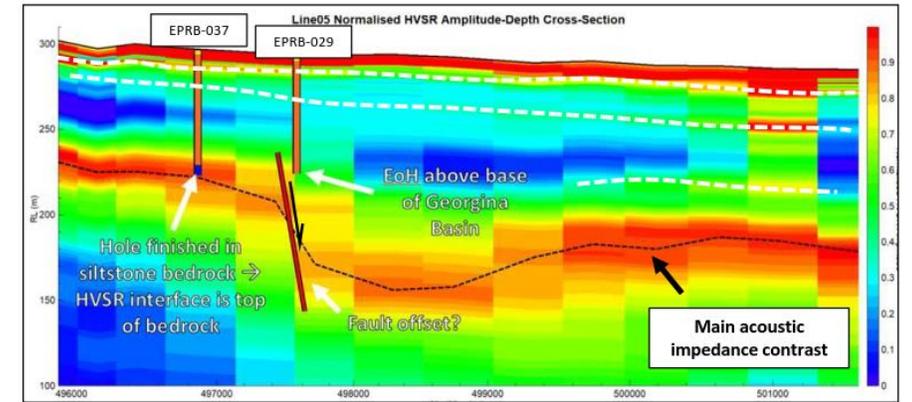
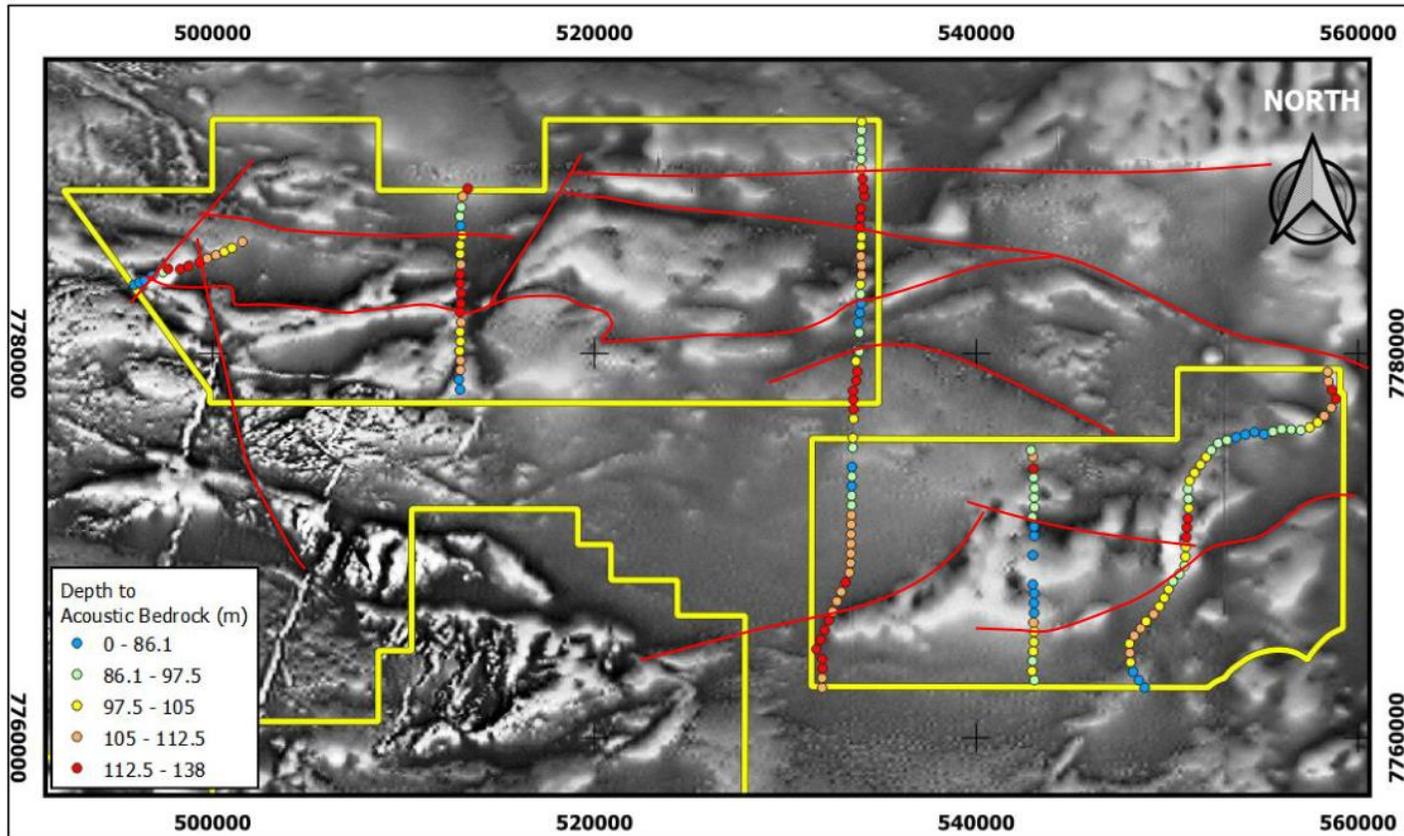
# Barkly Project

- Shallow Cambrian Cover
- Interpreted Warramunga equivalent units (along trend from outcrops in 250K mapping)
- Multiple VTEM and Magnetic Targets
- Detailed magnetics and passive seismic surveys completed



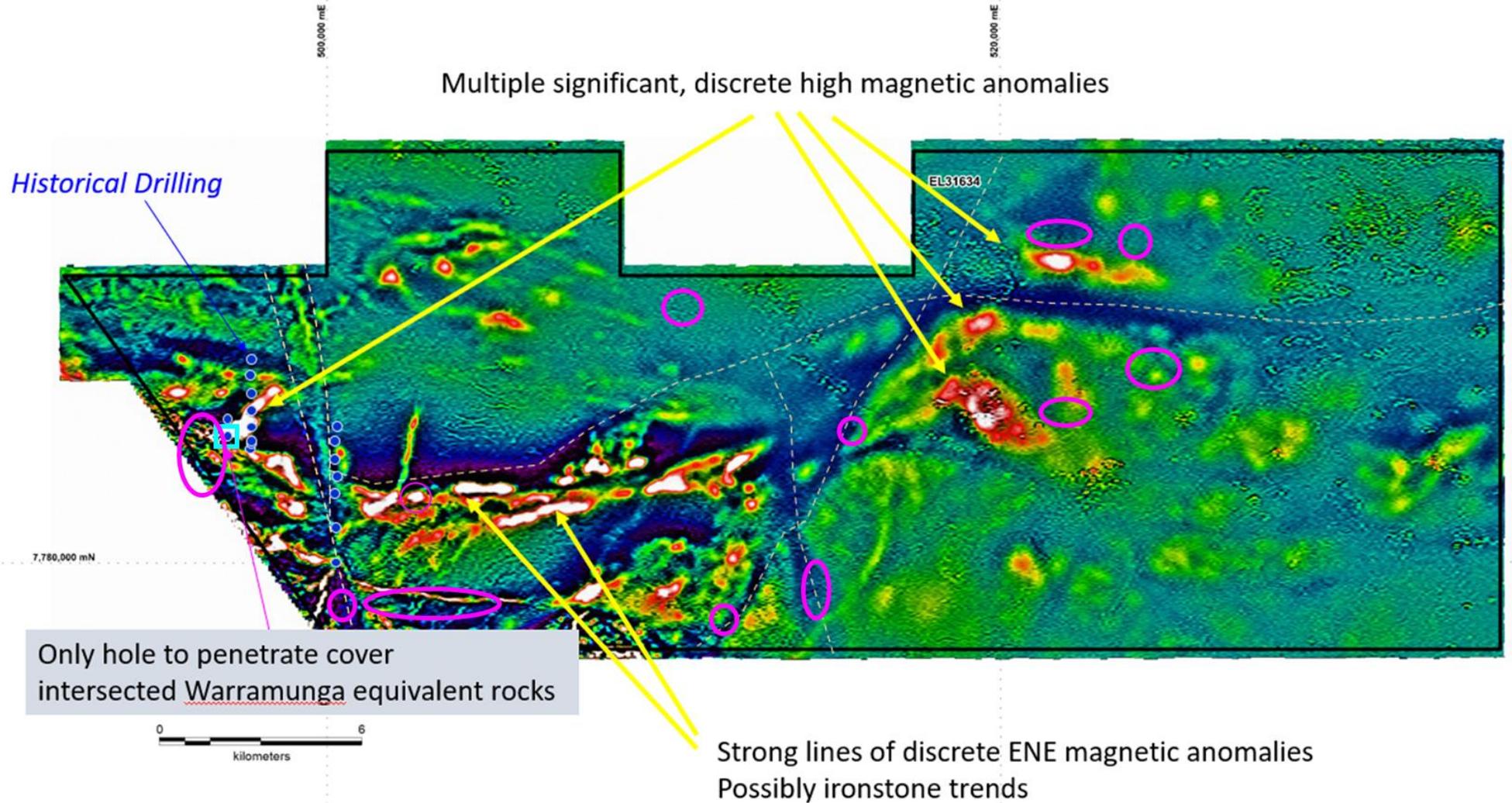
## EL31633 and EL31634 - Passive Seismic Lines

*Passive Seismic work has helped interpret depth to basement*

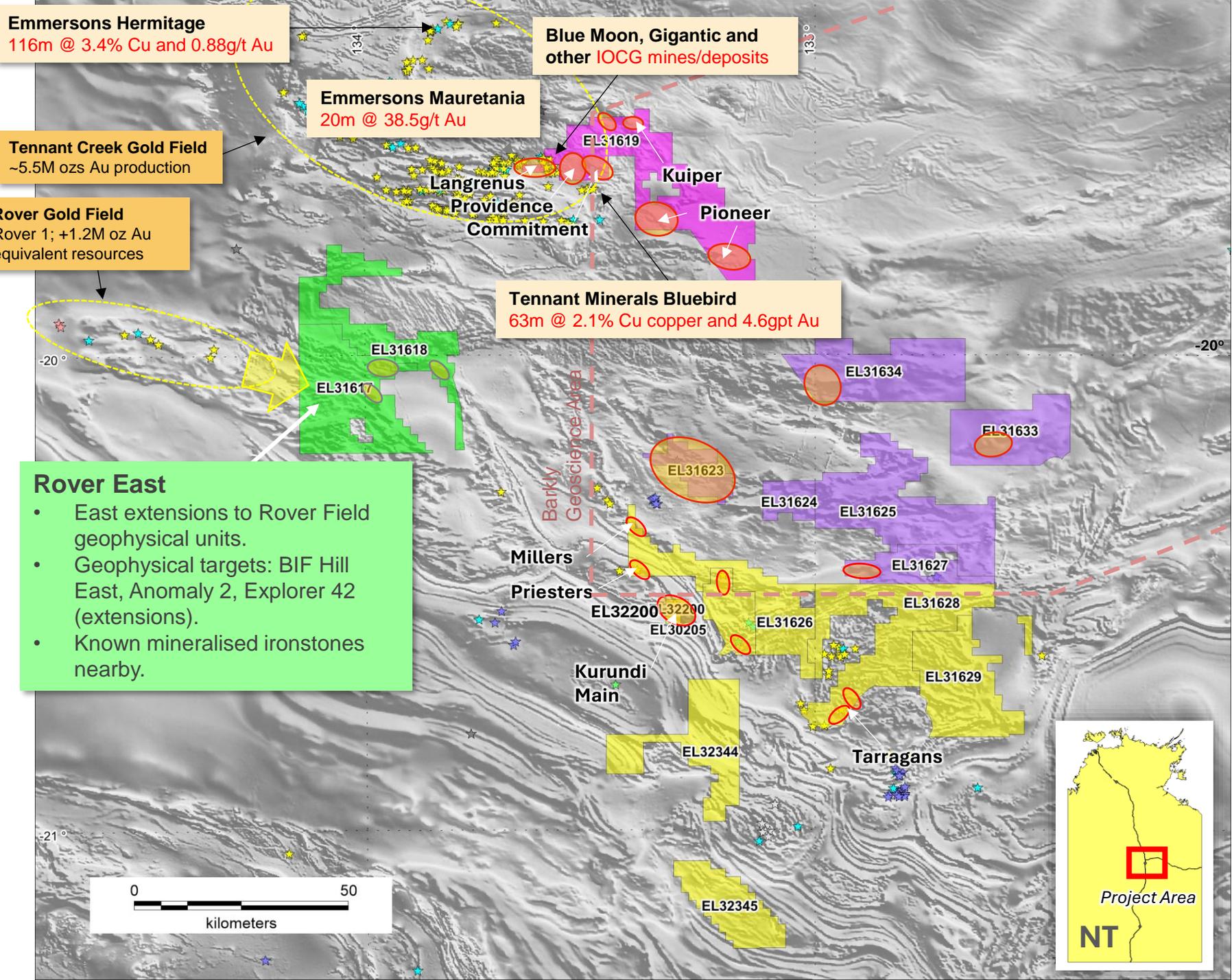


# EL31634

## EL31634 – 2021 Airborne magnetics



- IOCG Targets in magnetics and VTEM geophysics
- 80m Cambrian cover



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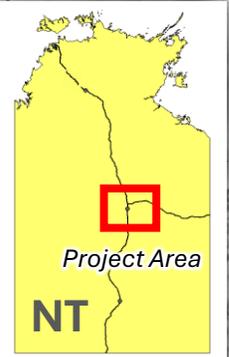
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- Known mineralised ironstones nearby.

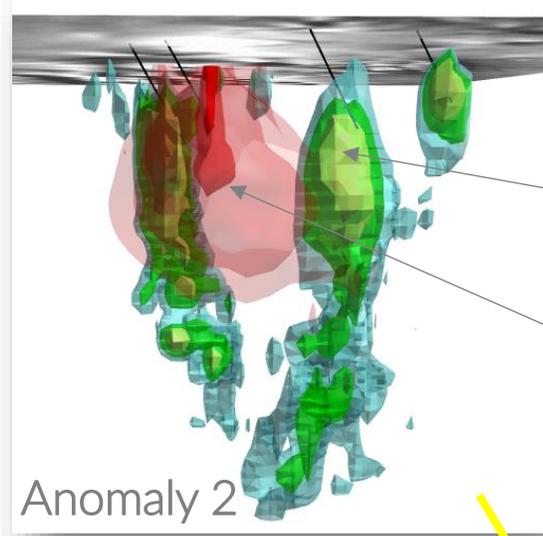
- Situated along strike of the Rover mineral field
- Multiple coincident magnetic and gravity targets
- Geochemically prospective ironstones intersected in historic drilling

# Rover East Project



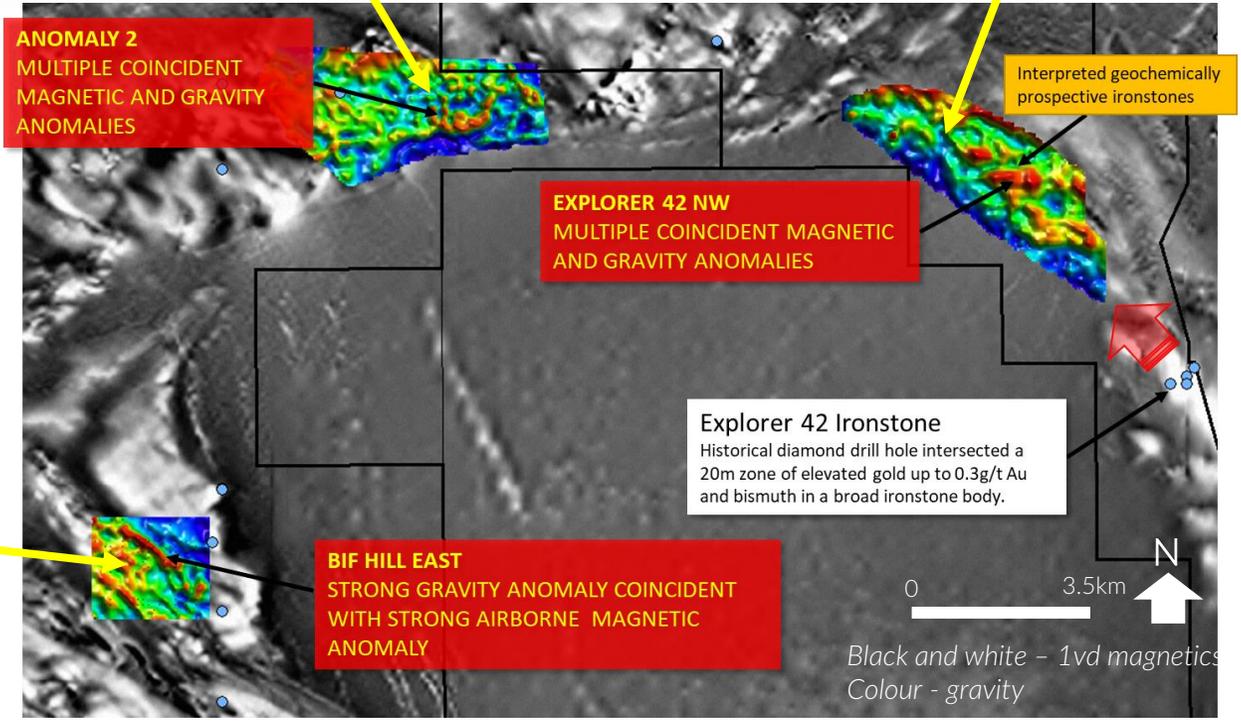
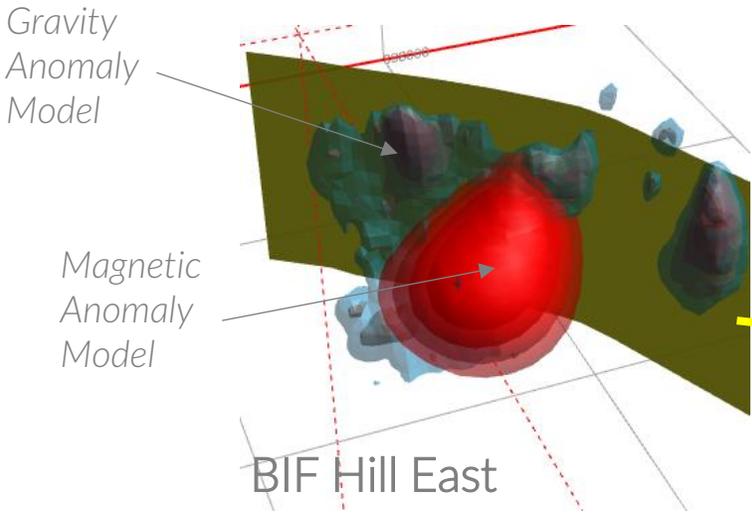
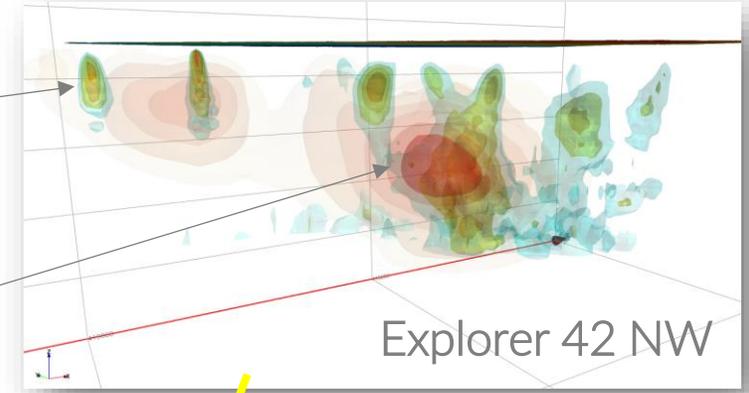
# Rover East Project

- Coincident Magnetic/Gravity Targets
- Structural Complexity
- Known geochemically anomalous ironstones (Explorer 42)

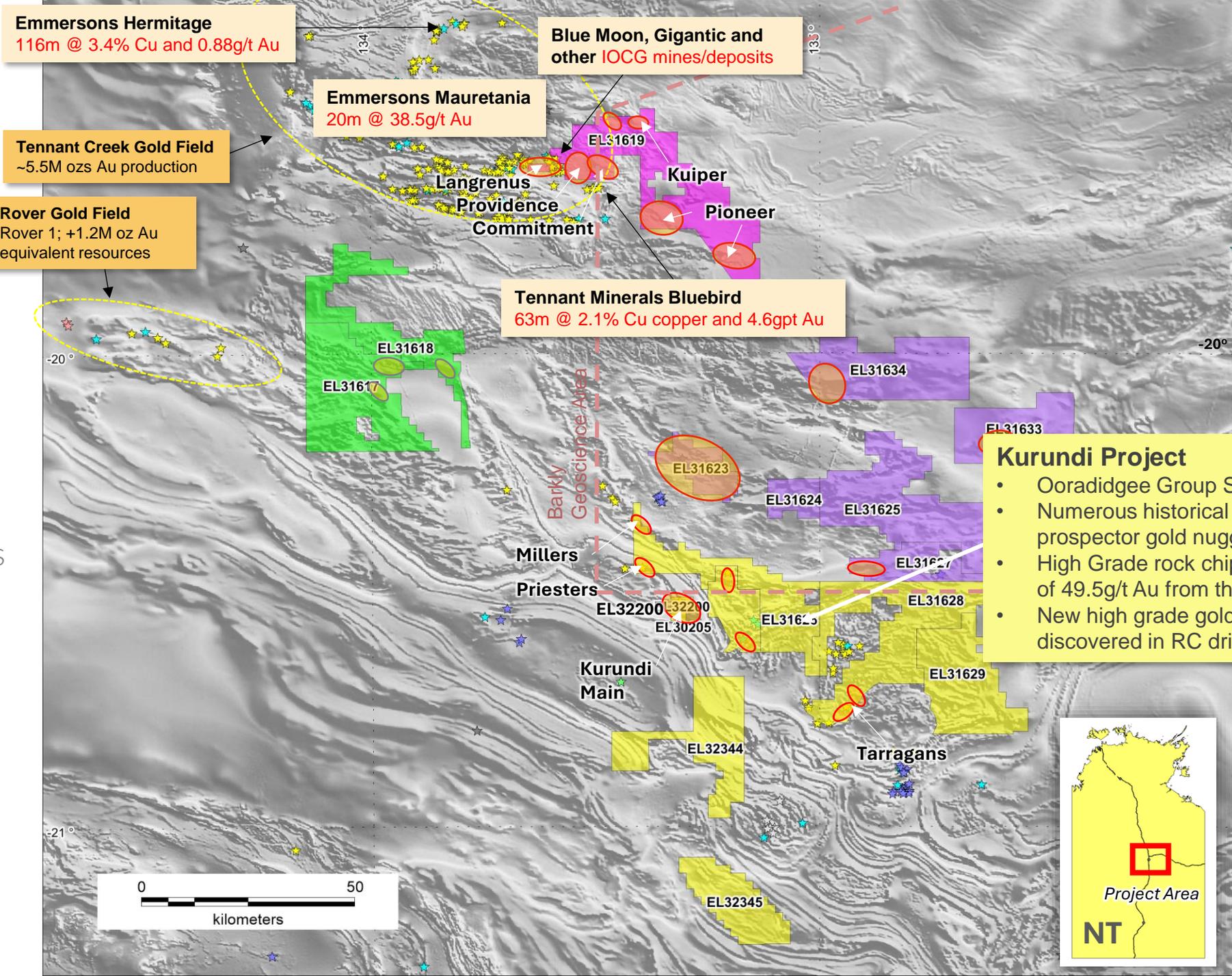


Gravity Anomaly Model

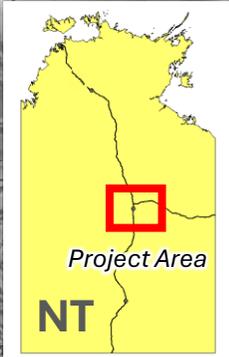
Magnetic Anomaly Model



# Kurundi Project

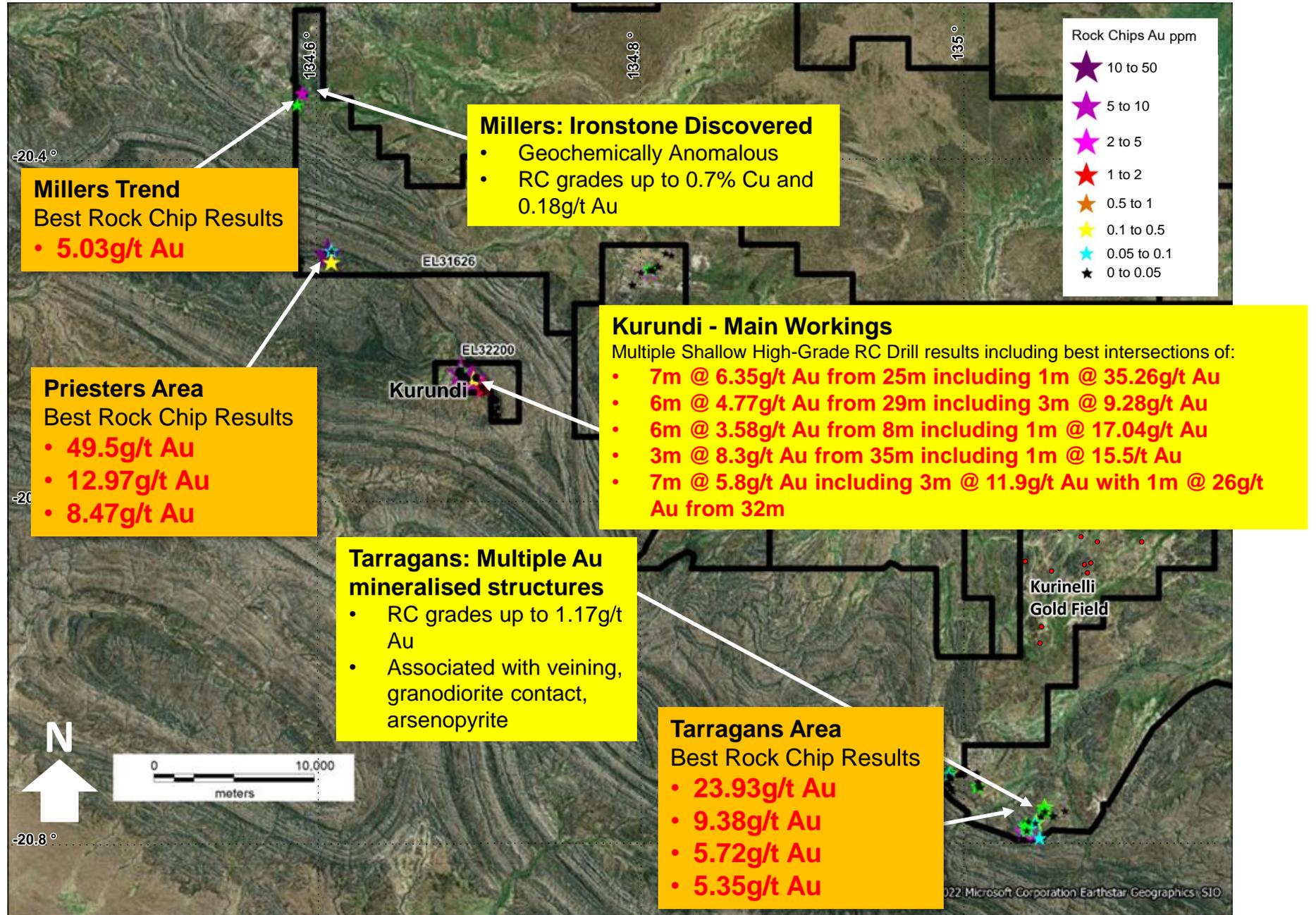


- Ooradidgee Group targets
- NOT under cover
- Association with the Edmirindgee Volcanics and surrounding sandstones
- Anitclinal/Dome structures



# Kurundi Project

- Results Overview



# Kurundi

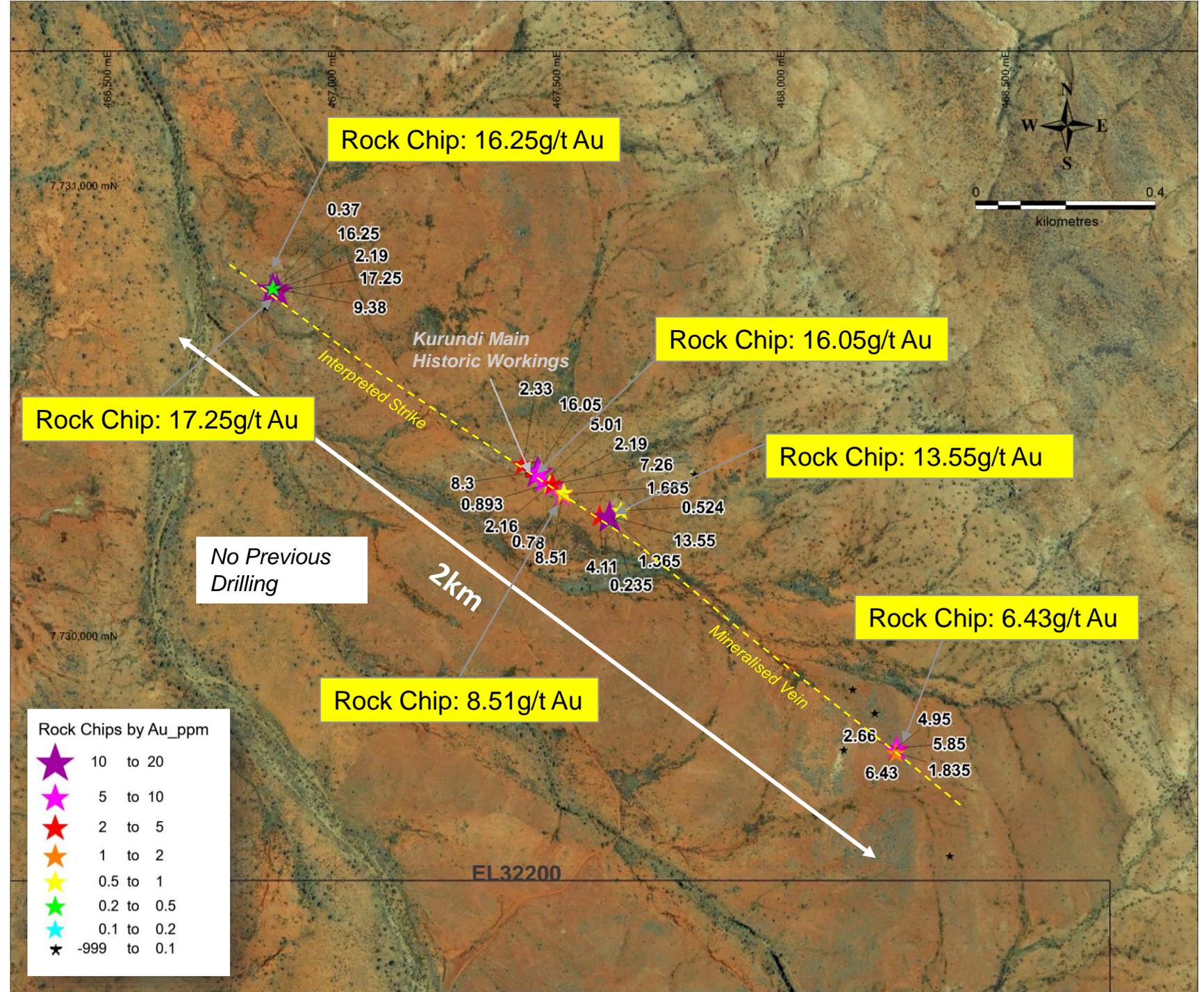
Initial Reconnaissance returned excellent rock chip results along a 2km strike:

## Best Rock Chip Results:

- **16.05g/t Au**, 141ppm Ag, 6.4% Cu from veining at the main Kurundi workings
- **13.55g/t Au**, 124ppm Ag, 0.37% Cu from veining over 100m SE of the main Kurundi Workings
- **17.25g/t Au**, 115ppm Ag from veining 700m NW of the Kurundi workings
- **16.25g/t Au**, 138ppm Ag, 0.18% Cu from veining 700m NW of the Kurundi workings

- **Multiple high grade gold results**
- **Along an interpreted 2km strike**

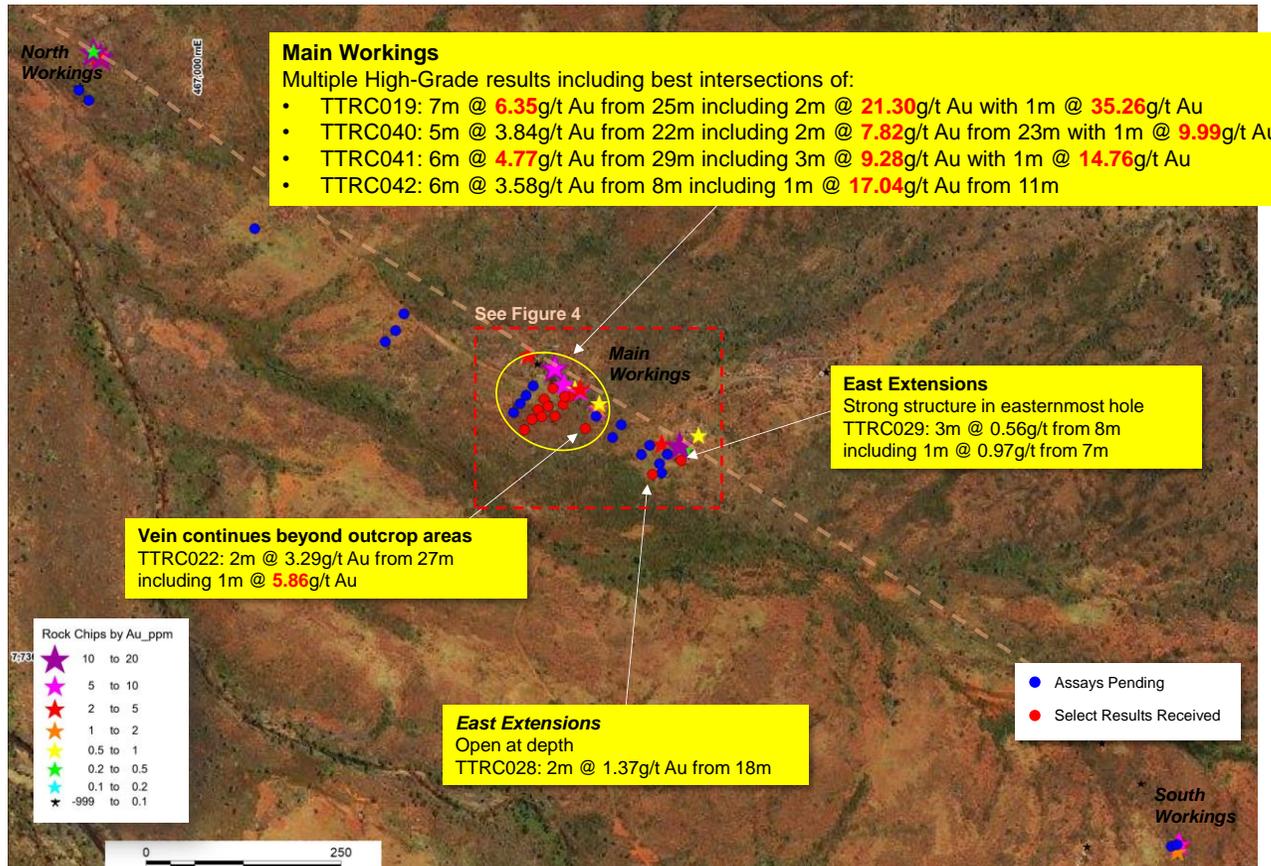
- **Alluvial Gold Potential** – Tenement contains main creek that collects runoff from the whole anticline that contains multiple high grade nuggety gold deposits



# Kurundi Drill Results

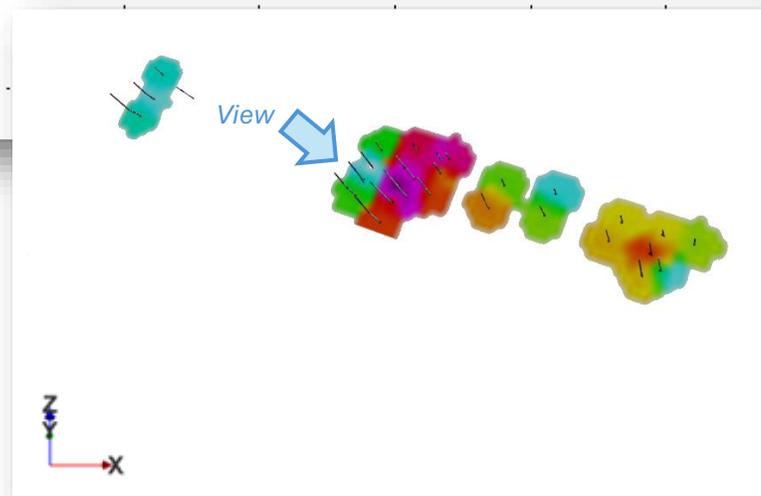
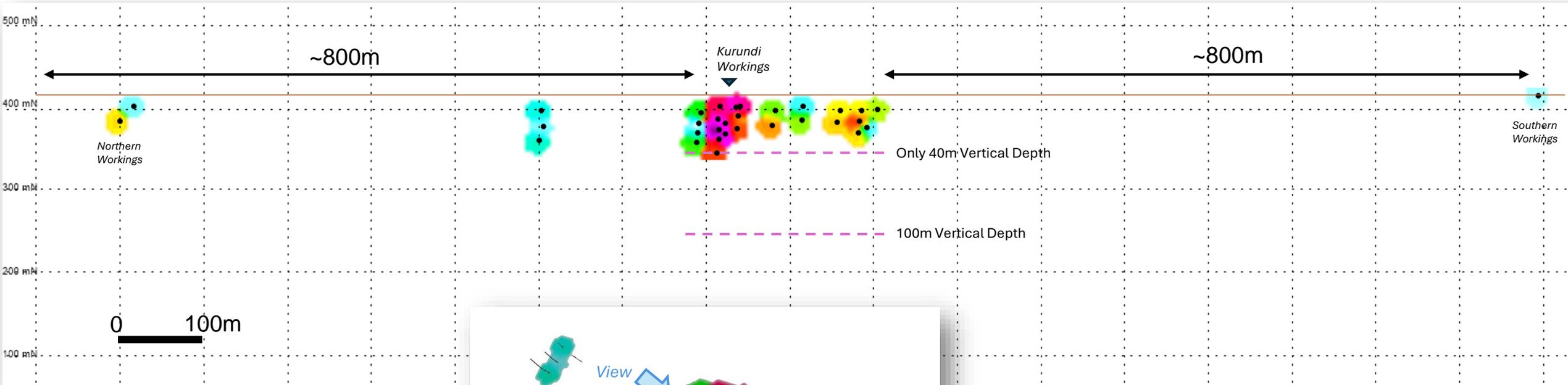
2022/24 RC drilling returned high grade gold results from a shallow dipping mineralised quartz vein within a broader shear zone

- **7m @ 6.35g/t Au** from 25m including **1m @ 35.26g/t Au**
- **6m @ 4.77g/t Au** from 29m including **3m @ 9.28g/t Au**
- **6m @ 3.58g/t Au** from 8m including **1m @ 17.04g/t Au**
- **3m @ 8.3g/t Au** from 35m including **1m @ 15.5/t Au**
- **7m @ 5.8g/t Au** including **3m @ 11.9g/t Au** with **1m @ 26g/t Au** from 32m

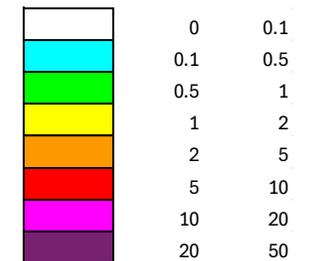


# Long Projection of Kurundi Main 2022 Results – view perpendicular to vein

Coloured by intersection grade x width



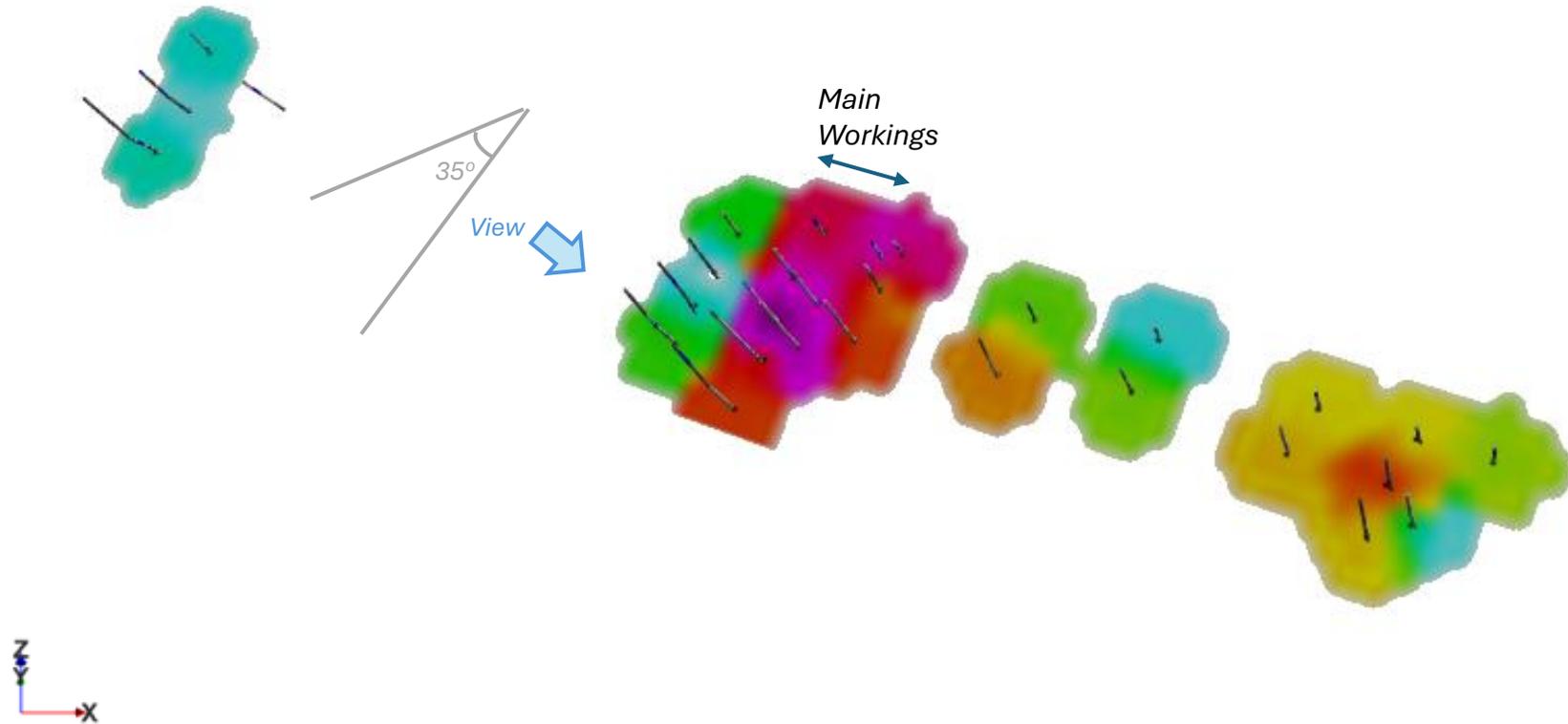
g/t Au x m



# Long Projection of Kurundi Main 2022 Results – projection perpendicular to vein

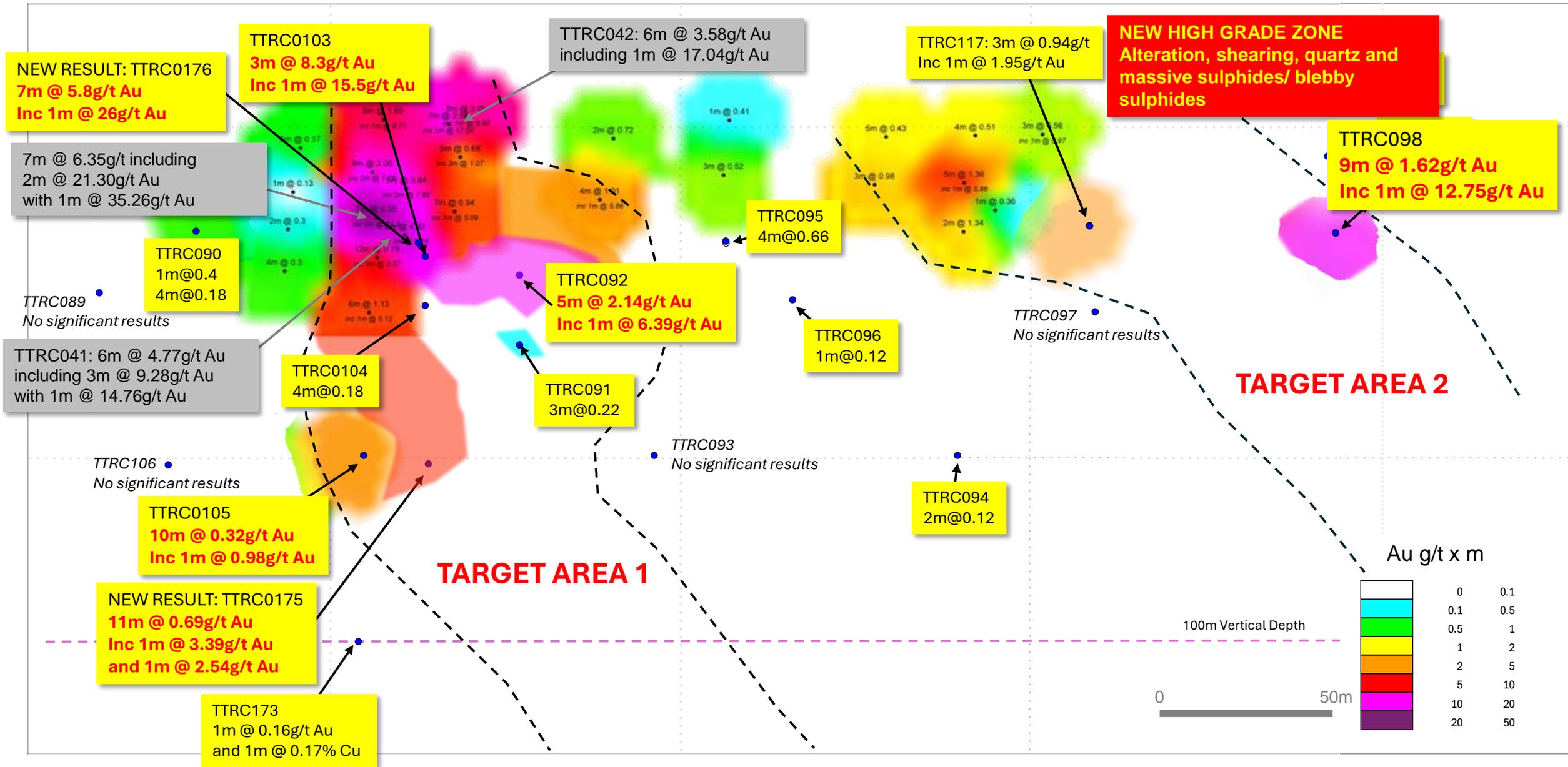
*Coloured by intersection grade x width*

## 3D View



# Long Projection of Kurundi Main Area With 2024 Results

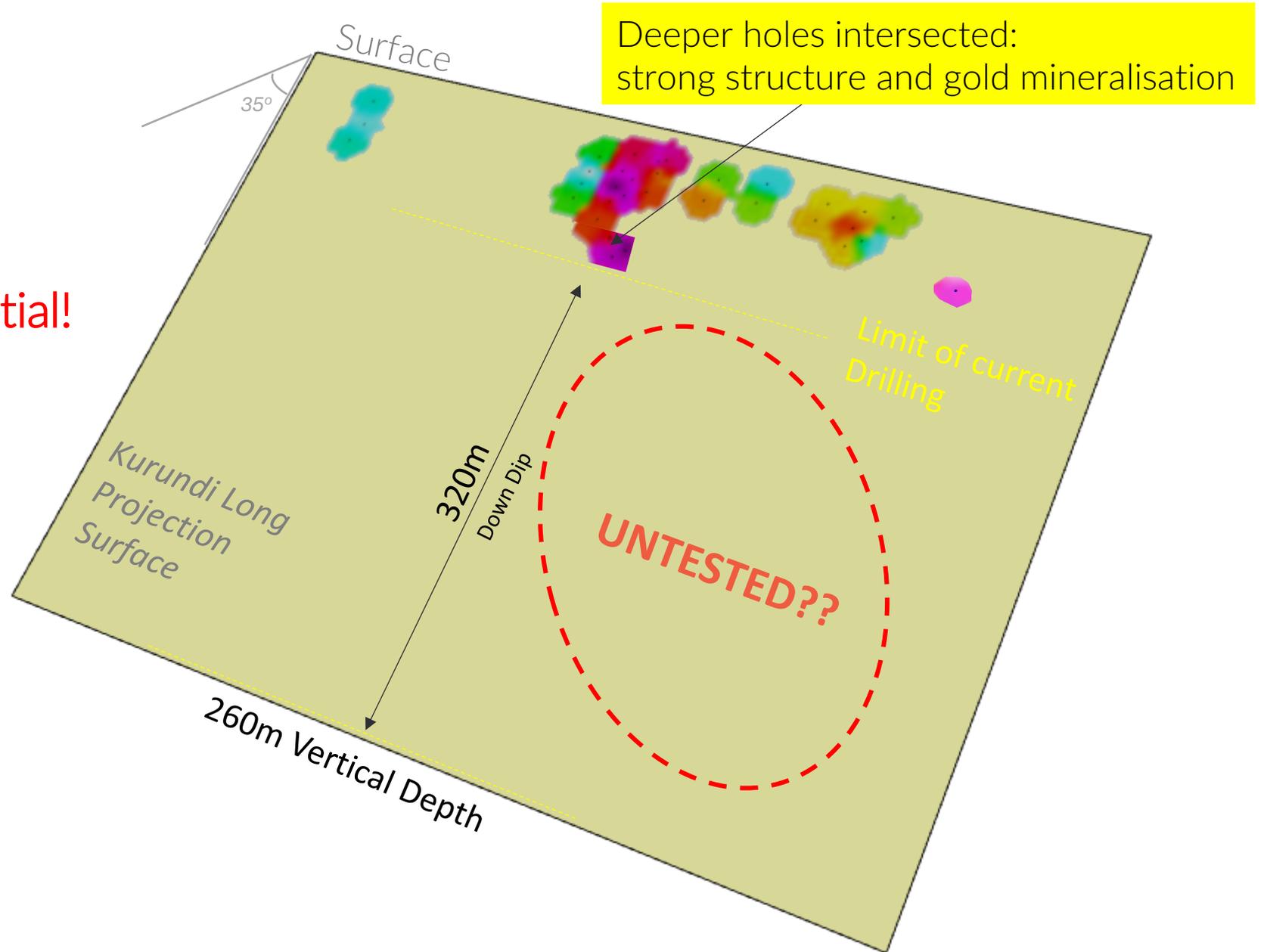
Long projection view of the Main Kurundi mineralized zone beneath the central workings area. The view is perpendicular to the main vein which dips approximately 35° towards 215°.



# Kurundi

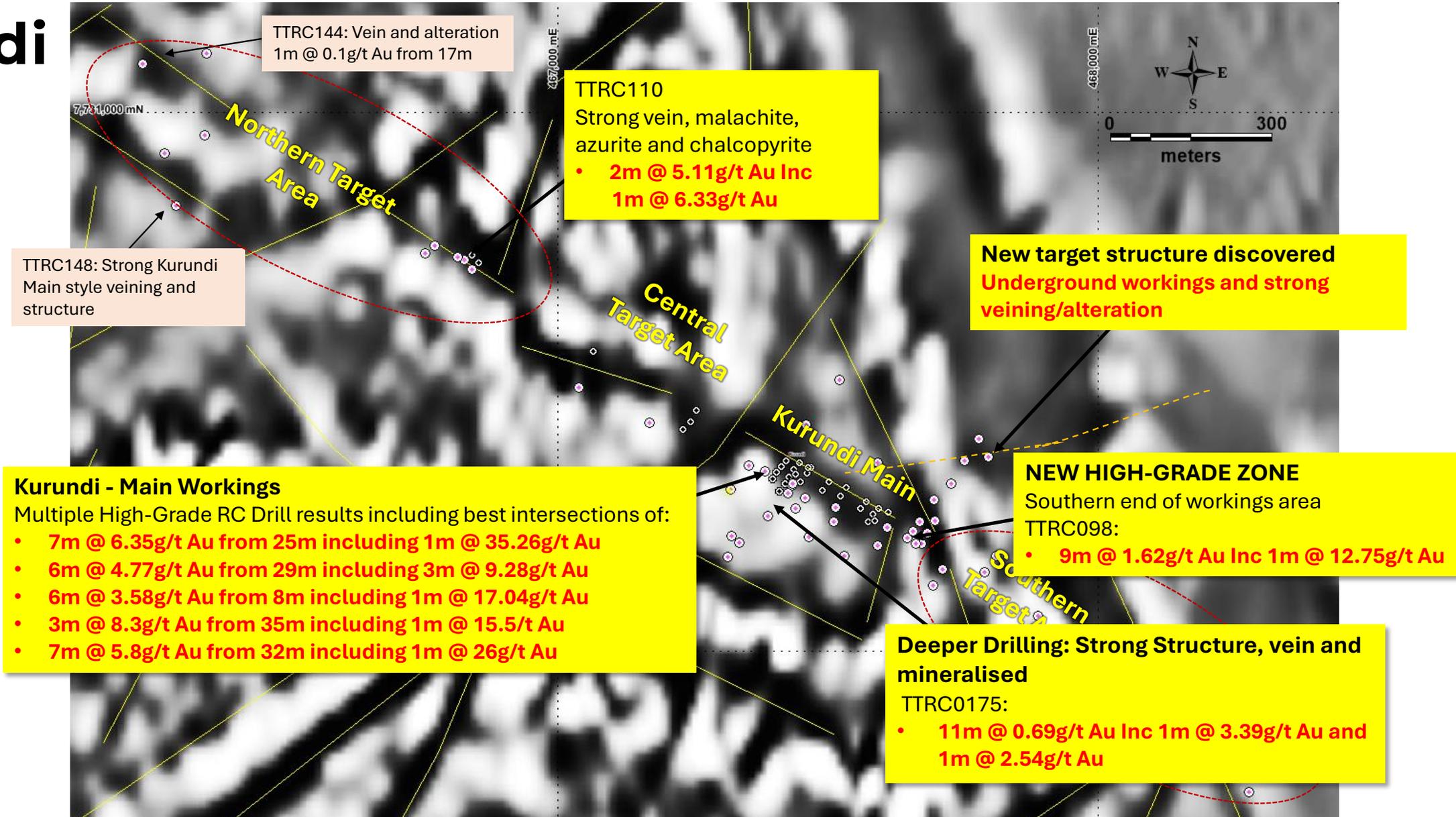
## Barely Tested Depth Potential!

3D conceptual image showing extension of long projection plane to a 260m vertical depth demonstrating the RC drillable down dip potential on the Kurundi Structure



*The presence of veining, shearing and alteration reduces the magnetic signature of the host Proterozoic basalt and can be seen in the 1VD magnetic image, assisting in targeting of extensions and new mineralised structures*

# Kurundi



# Conclusions

Exploration has:

- Confirmed presence of Warramunga equivalent rocks under thin Cambrian cover at multiple target areas
- Shown that Cambrian Cover is shallow as interpreted
- Intersected significant structures, iron alteration zones and geochemically anomalous ironstones at multiple locations giving excellent target areas for follow up work
- Added confidence to KRR's exploration model targeting IOCG deposits in Warramunga equivalent rocks under Cambrian cover
- The strong persistent mineralisation and structure at Kurundi adds confidence to other gold targets in the Kurundi Project area (hosted by Ooradidgee Group rocks)
- The use of multiple geophysical approaches, combined with interpreted geology and prediction of signatures from known to unknown, has enabled the generation of quality exploration targets.
- Multiple quality geophysical targets still to be tested with work already commenced for 2025
- Depth extensional drilling planned to commence at Kurundi in April 25

