



# TODD RIVER RESOURCES

ASX Code: TRT



**Resources Rising Stars, May 2018 – Will Dix, CEO.**

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## COMPETENT PERSON'S STATEMENTS

- This information in this announcement that relates to exploration results is extracted from ASX Announcements titled:
  - “Positive Conceptual Mining Study Completed on Manbarrum Zinc-Lead Project NT”, lodged on 10 April 2018
  - “Strong down-hole EM targets identified at Mount Hardy Copper Project” lodged on 13 September 2017
  - “Large Electromagnetic targets delineated McArthur Project” lodged on 20 November 2017
  - “Prospective Rover Copper Gold Tenements Secured” lodged on 2 August 2017
  - TRT Appoints CSA Global for Manbarrum Mining Study” lodged on 24 August 2017, and
  - “Stokes Yard mapping outlines high-grade copper, zinc and lead potential” lodged on 28 August 2017

which are available to view at [www.trrltd.com.au](http://www.trrltd.com.au) and [www.asx.com.au](http://www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

- The information in this announcement that relates to the estimation and reporting of the Sandy Creek Mineral Resource is extracted from the Independent Geologists Report included in the Prospectus lodged on 31 January 2017 and the Supplementary Prospectus lodged on 10 February 2017 which are available to view at [www.trrltd.com.au](http://www.trrltd.com.au) and [www.asx.com.au](http://www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the Independent Geologists Report included in the Prospectus and Supplementary Prospectus and that all material assumptions and technical parameters underpinning the Mineral Resource estimate in the Independent Geologists Report included in the Prospectus and Supplementary Prospectus continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the Independent Geologists Report included in the Prospectus and Supplementary Prospectus.

# Todd River Resources: Corporate Overview



## Key Corporate and Financial Data

ASX code:	TRT
Market capitalisation (at 8c):	\$5.0M
<b>Shares on issue (fully diluted):</b>	<b>65M</b>
Unlisted Options (\$.30 March 2020)	11.5M
Listed Options (\$.25 March 2020)	18.5M
Cash (end March) :	\$1.84M

## Board of Directors

Edward Fry	Non-Executive Chairman
Paul Burton	Technical Director
Rex Turkington	Non-executive Director
Stuart Crow	Non-executive Director
Will Dix	Chief Executive Officer

## Major and Significant Shareholders

TNG Limited	10.77%
WWB Investments P/L	4.8%
JP Morgan Nominees Ltd	4.10%
HC Investment Holdings Pty Ltd	3.38%



# TRT – All About The Northern Territory



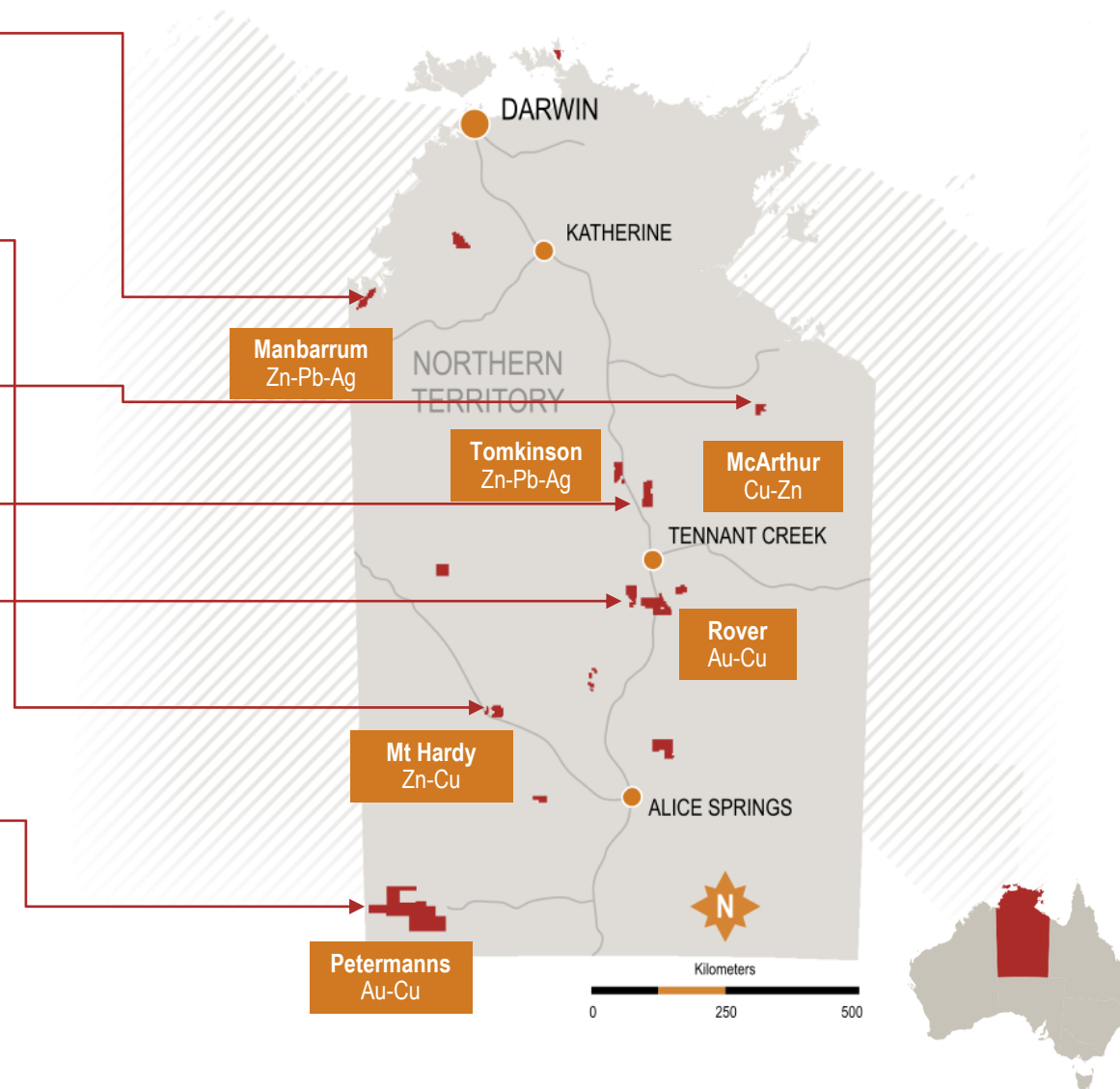
- Home to one of the largest Zn mines in the world and significant Au mines
- Base metal exploration has declined – a huge opportunity for new explorers
- Significant gold endowment – approx. 20M Oz produced
- Tennant Creek has produced over 4M Oz (so far)
- Backed by a supportive Government for resource development



# 2018 – Simple Strategy - Focus on Base Metals and Gold



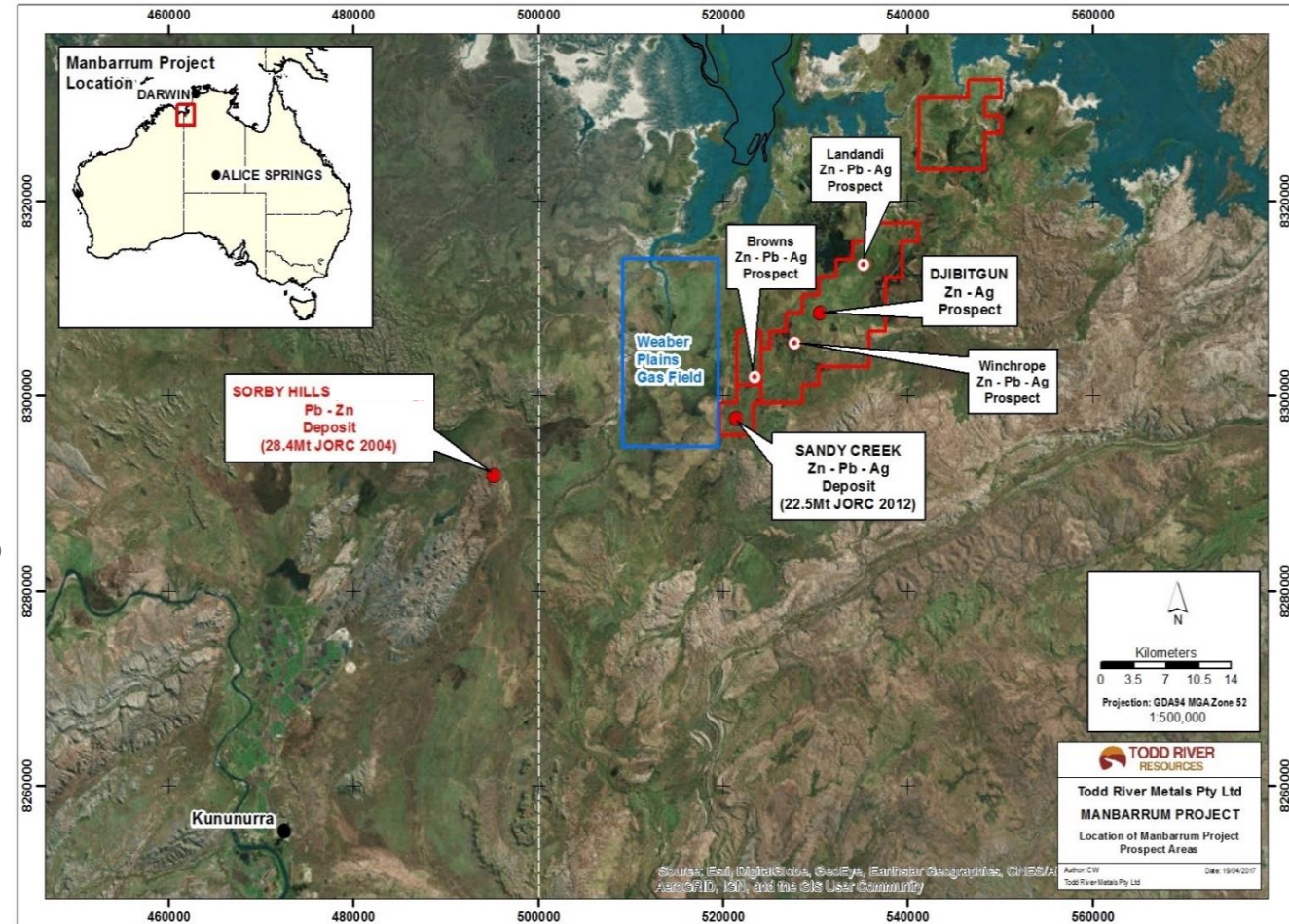
- **Manbarrum:** Zinc-Lead-Silver  
*Work through study recommendations and corporate opportunities – Q3*
- **Mount Hardy:** Zinc-Copper  
*Drill testing excellent DHTeM conductors - **UNDERWAY***
- **McArthur River:** Copper-Lead-Zinc  
*Drill test high priority SkyTEM anomalies and further geophysics – Q3*  
*First pass assessment on new ground – Current Q*
- **Rover:** Gold-Copper  
*Drill priority (top 5) “mag high” Au-Cu targets – Q3*
- **Petermanns:** Gold-Copper  
*Land access agreement and commence 2<sup>nd</sup> half 2018*
- **Tomkinson:** Zinc-Lead-Silver  
*Geophysics review and initial field work – **McArthur Basin analogue***



# Manbarrum Zinc-Lead-Silver Project



- Conceptual mining study completed
- **Positive outcome at base-case**
- Excellent results when optimised
- Further work required on processing and costings
- **22.5Mt @ 2.25% Zn+Pb JORC resource\***
- Reviewing regional & corporate opportunities



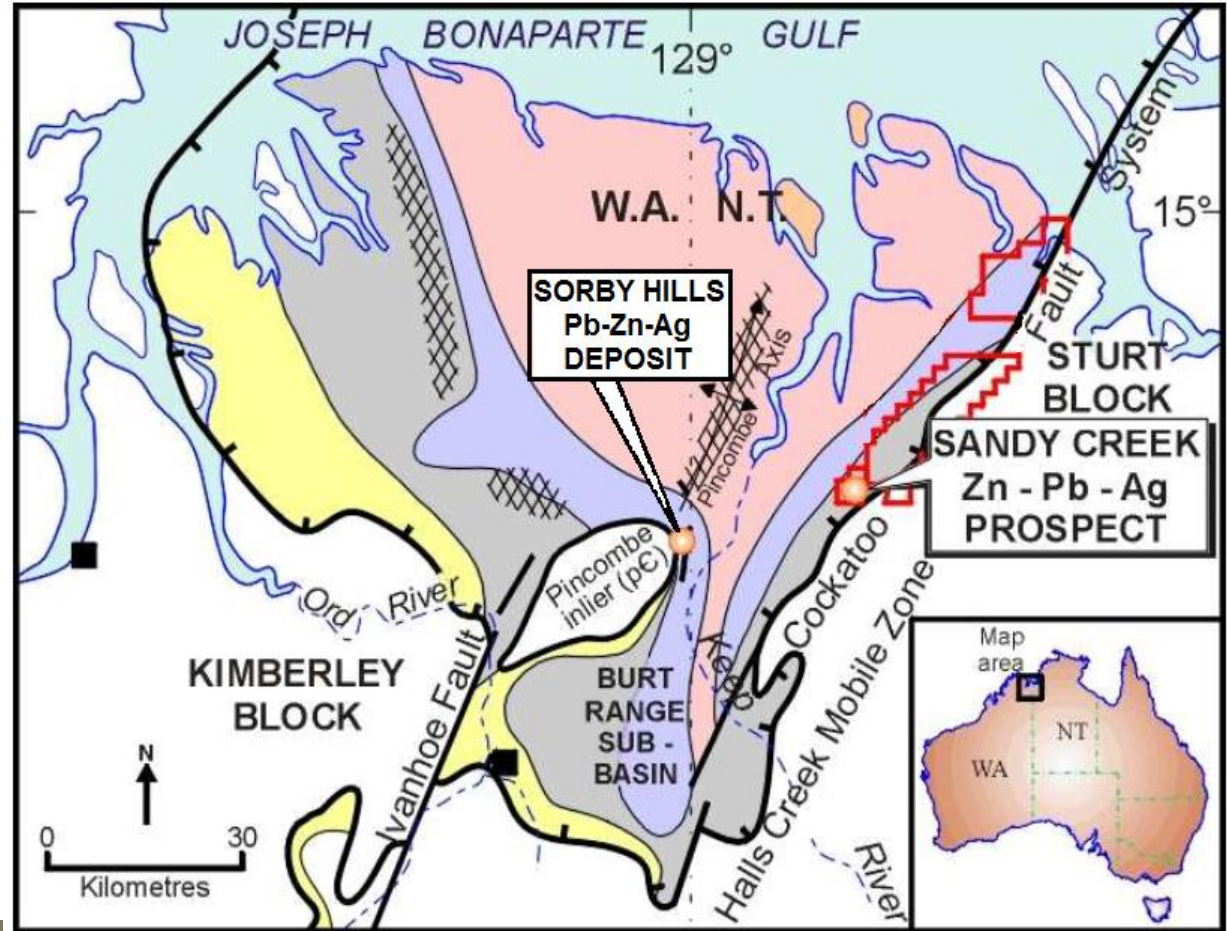
Manbarrum Project and Prospect locations including the Sorby Hills Project now owned by Quintana Resources

\* Indicated 5.1Mt @ 1.94% Zn, 0.82% Pb and 5.82g/t Ag and inferred 17.4Mt @ 1.77% Zn, 0.33% Pb and 4.19g/t Ag. Full details (including those required under the 2012 JORC Code) are contained in the Prospectus

# Manbarrum: Outstanding Exploration Potential



- Classic “Mississippi Valley Style” stratigraphy
- **Over 50km strike, with 4 known deposits**
- Untested sequence measuring approximately 25km
- Shallow cover
- Exceptional dataset of geochemistry and geophysical available
- Targets requiring further evaluation:
  - Browns Zn-Pb-Ag*
  - Winchrope Zn-Pb-Ag*
- **Additional known MVT Mineral Resource at Sorby Hills –opportunity for potential regional consolidation**

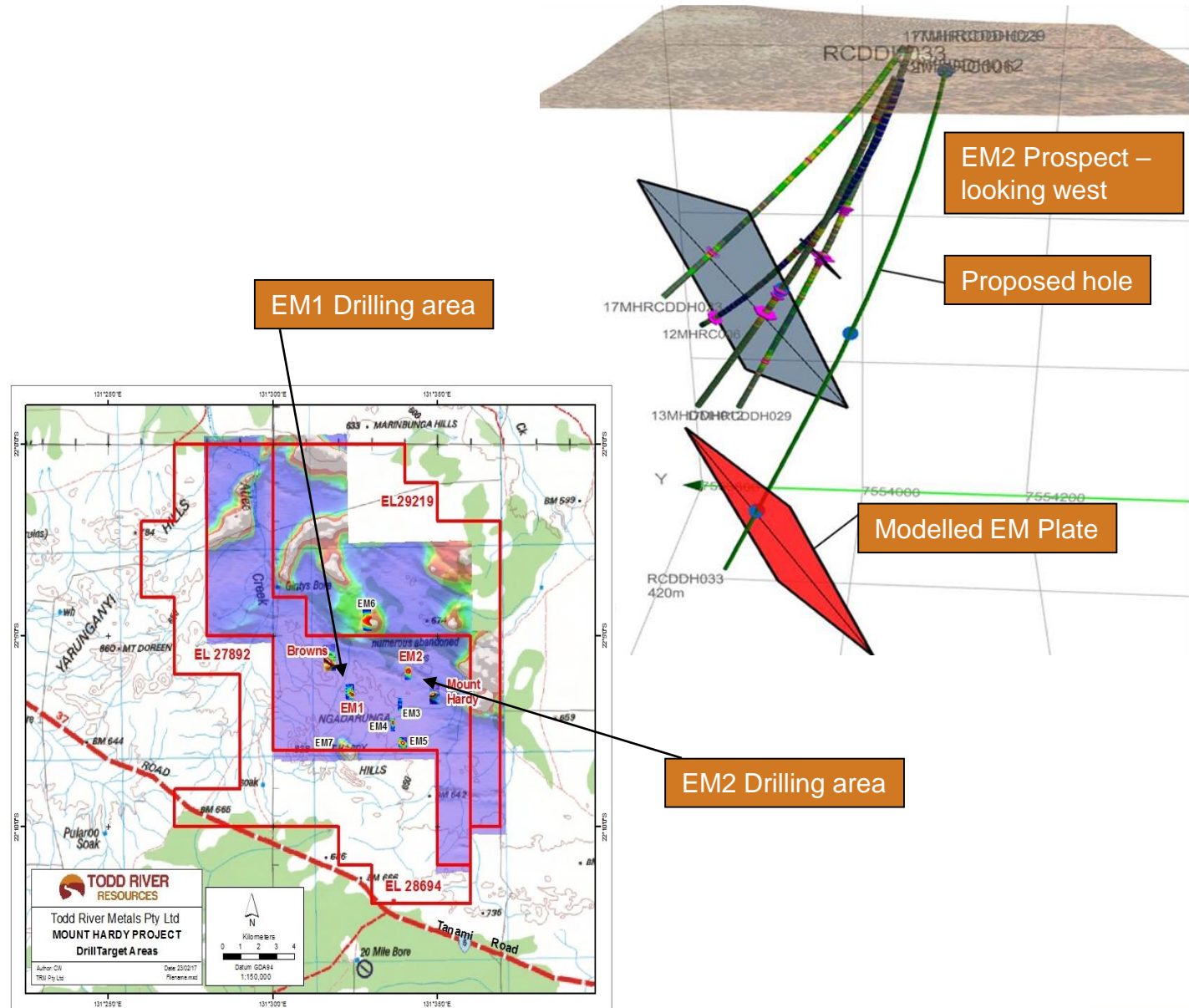


Geological setting of the Sandy Creek and Sorby Hills Mineral Resources

# Mount Hardy Copper-Zinc Project



- Drilling Assays include:
  - 10.5m @ 4.15% Zn and 1.1% Cu
  - 7.0m @ 1.77% Cu, and
  - 1m @ 12.75% Zn, 3.43% Pb, and 3.30% Cu
- Two strong off-hole EM conductor plates outlined from DHEM (EM2 target plate shown)
- Drilling of conductors is **UNDERWAY** – first targets expected to be intersected during May
- Program of around 2,000m RC and Diamond to test both targets





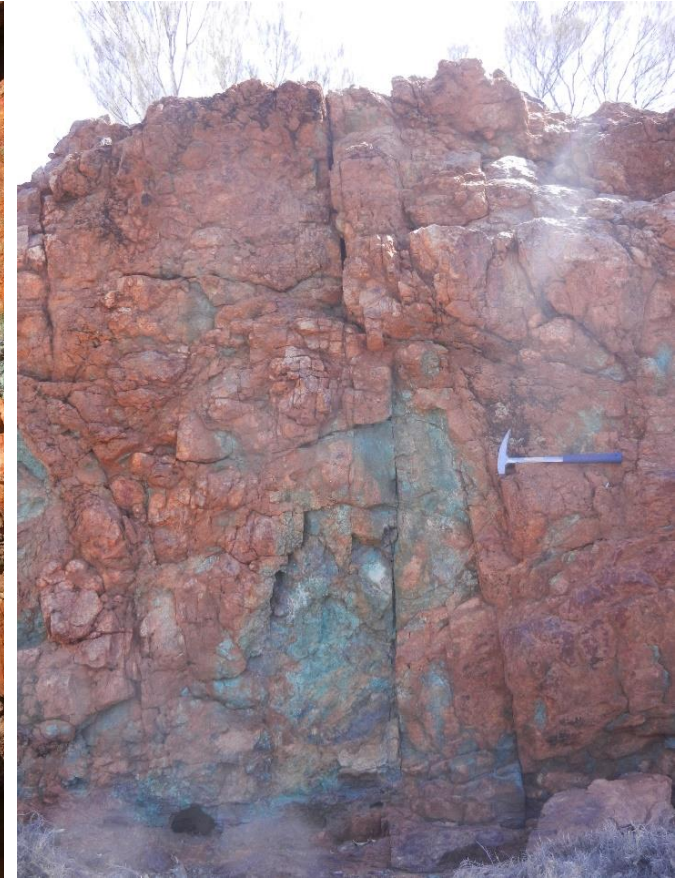
# Mount Hardy Copper-Zinc Project



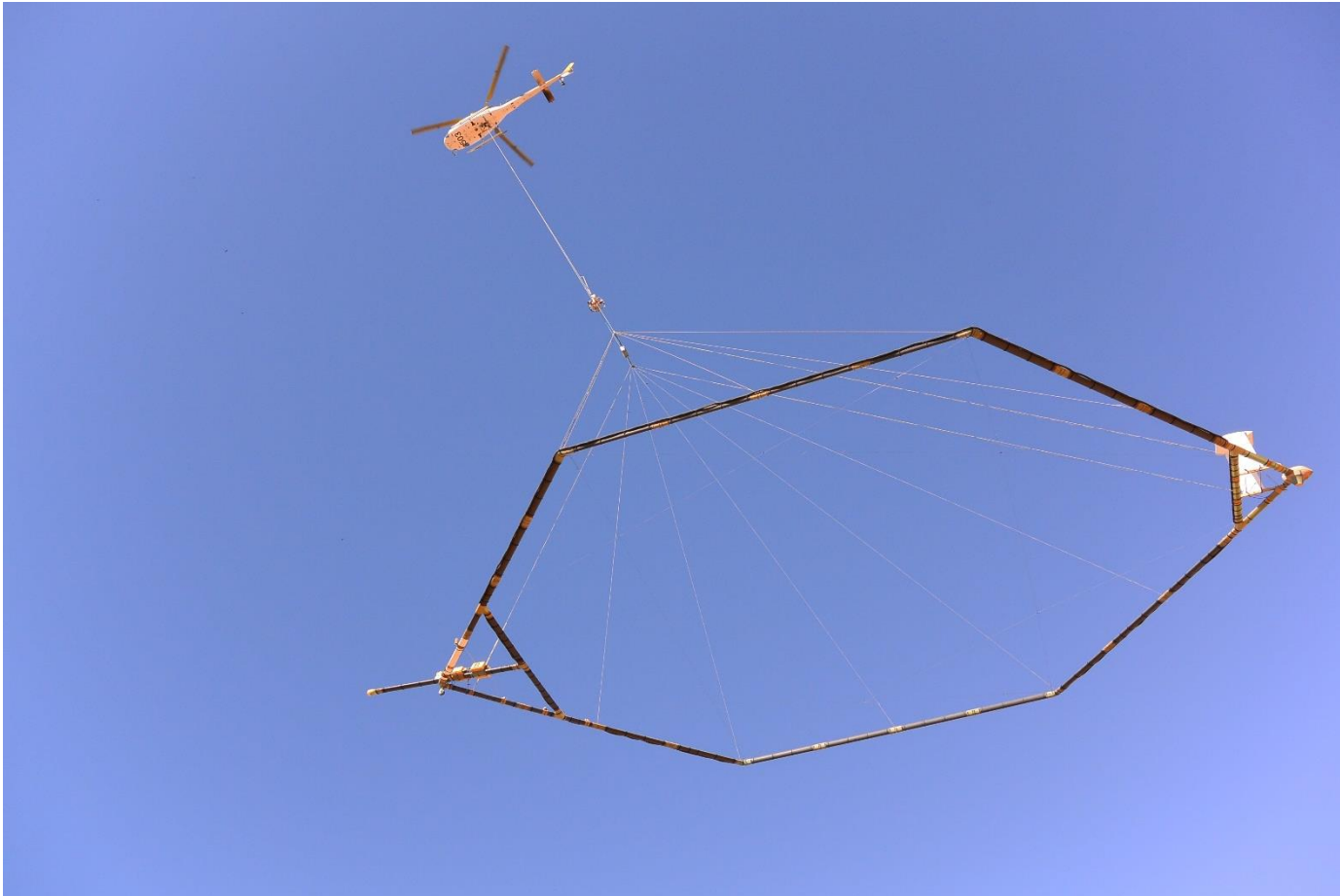
**Mount Hardy Project**  
EM Target #1  
Rock Sample @ 762020mE 7552925mN  
Weathered ferruginous quartz vein with hematite gossan and oxide/carbonate Cu-Zn-Pb. Malachite, cupriferous hematite and limonite

All Analyses are XRF Niton XLt values  
Scale: Hand lens width 14mm

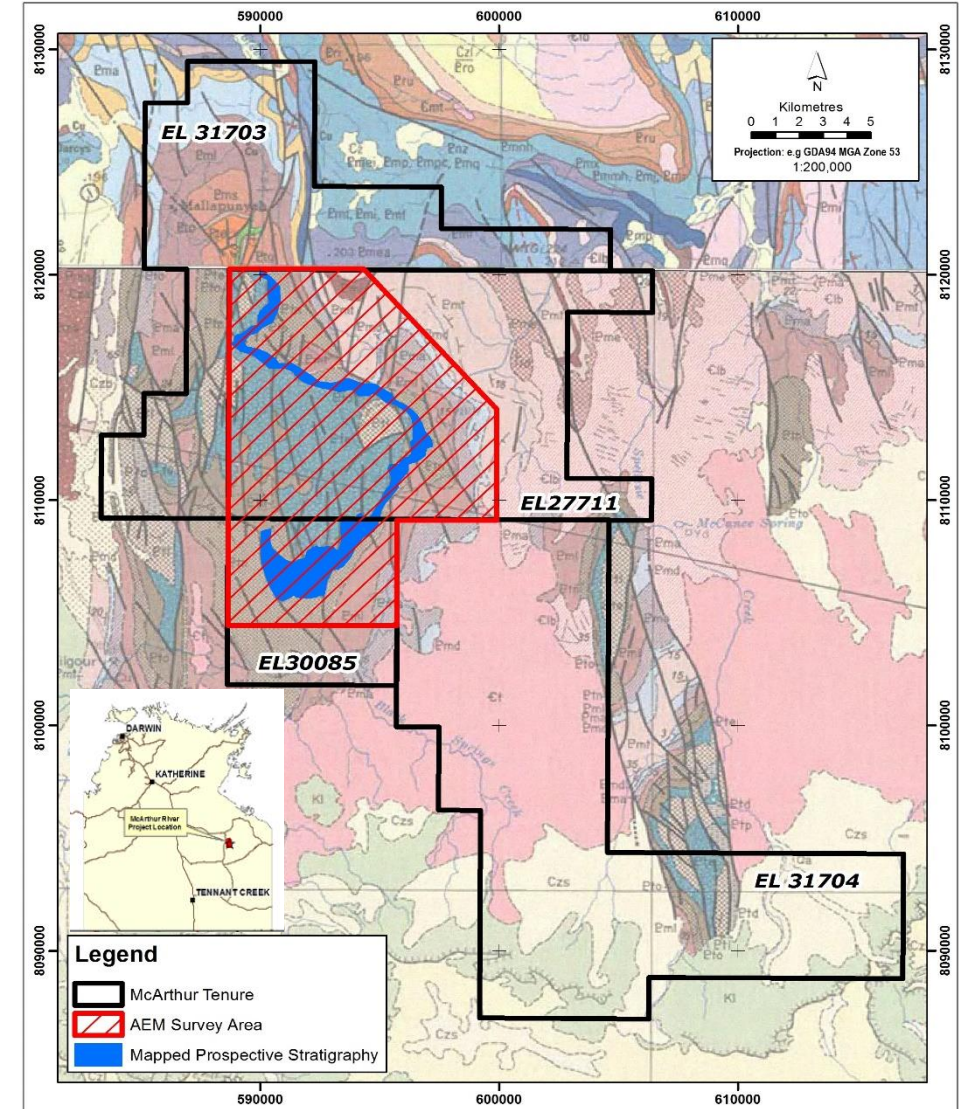
Sample ID	Cu (%)	Zn (%)	Pb (%)
#315	22.3%	5.8%	14.7%
#311	26.4%	16.5%	8.6%
#310	15.0%	8.2%	11.4%
#309	21.3%	19.8%	3.2%
#312	7.6%	14.6%	4.1%
#308	5.1%	36.5%	0.6%



# McArthur River Copper Project



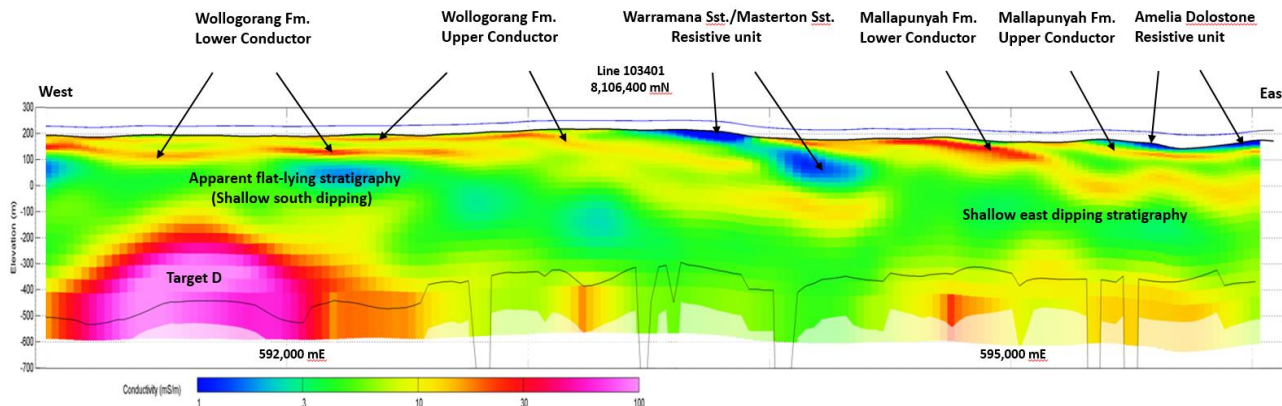
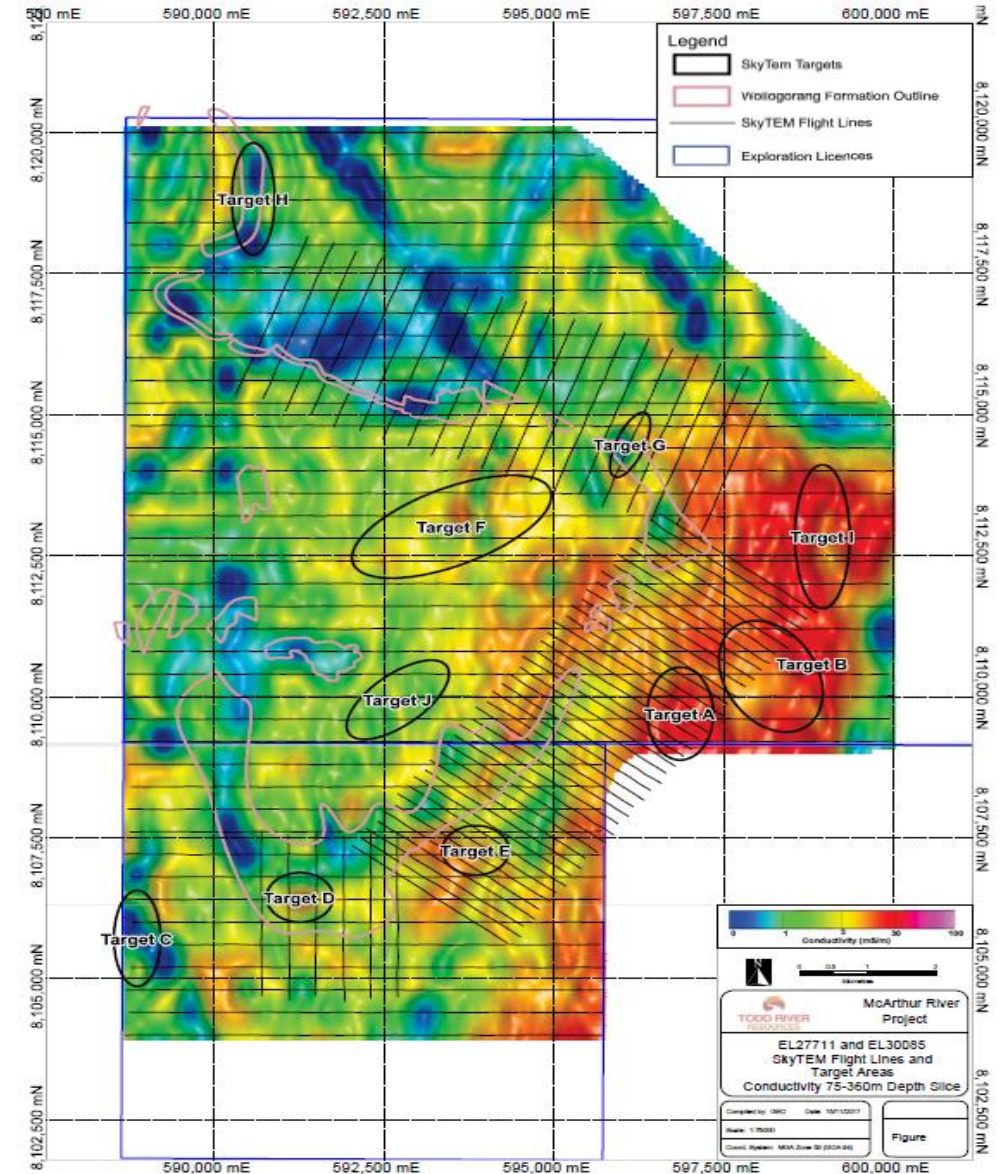
- SkyTEM survey collecting over 600 line Km of data during late 2017 - McArthur River Copper-Zinc Project
- Recently doubled tenure to the north and south



# McArthur River Copper Project



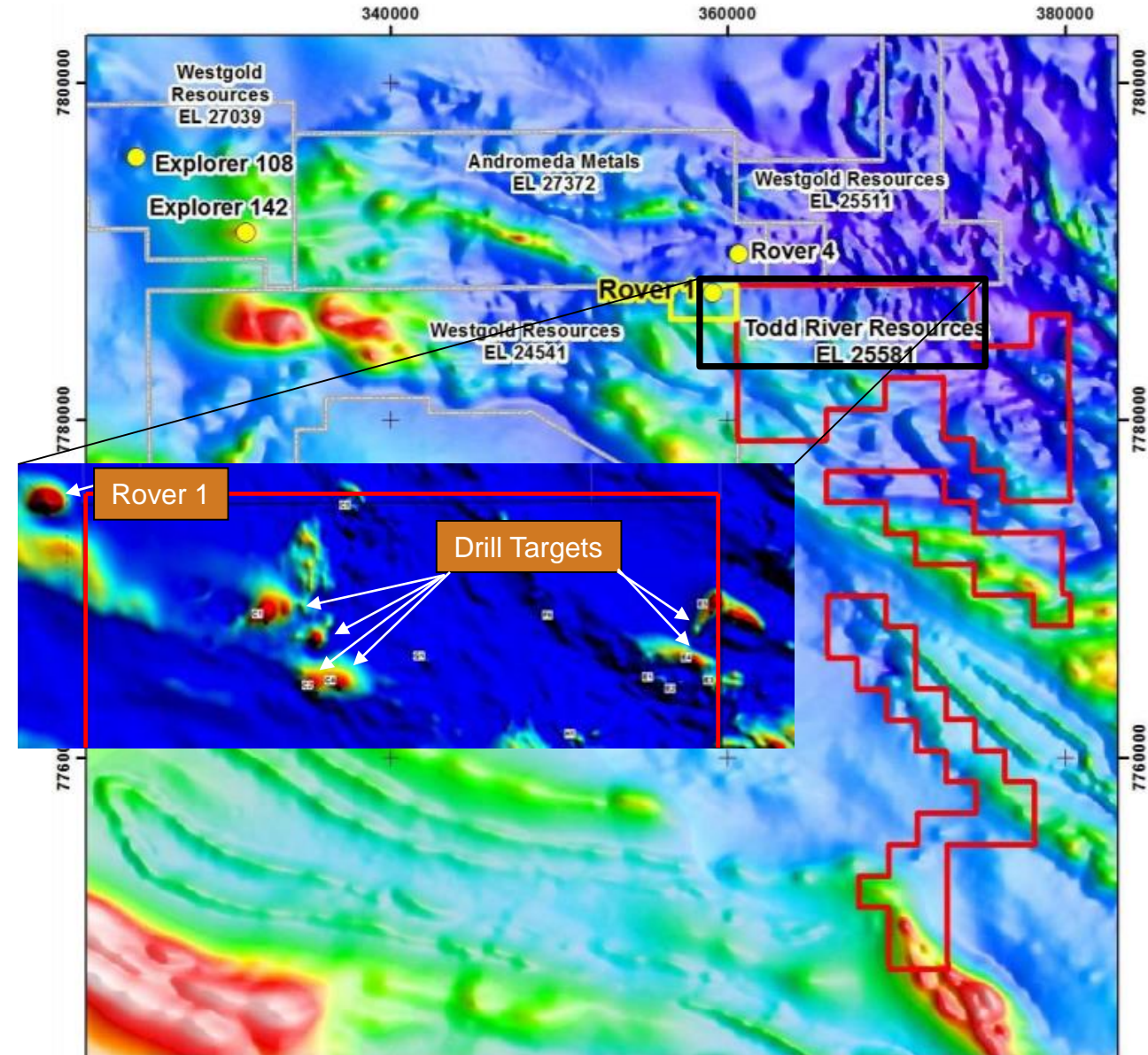
- 600 line km airborne electro-magnetic survey completed in 2017 – targeting Tawallah Group
- **Ten strong geophysical anomalies** outlined from interpretation of SkyTEM survey
- Mapping and sampling completed in 2017
  - Up to 44.5% Cu in rock chip samples
- **6 Drill targets identified for 2018 testing**
- **First pass work to commence on new tenure in June**



# Rover Gold-Copper Project



- Prospective for high grade Tennant Creek style Au-Cu-Bi mineralisation
- Westgold's **1.2M Au Equivalent Ounce** Rover 1 deposit is a classic example
- TRR has **at least 4 walk-up drill targets** – high priority for 2018 once MMP is approved – 2<sup>nd</sup> half of the year
- First pass exploration on other granted tenement to commence mid 2018
- Looking for regional consolidation opportunities



# Rover Gold-Copper Project – drill targeting



Drill target modelling. Planned drill hole traces into modelled wireframe magnetics/gravity highs.

## A - Target Rov18\_01

- Steep north dipping magnetic anomaly (red wireframe, 0.0275 TMI).
- Strongest mag. signature in tenement and equivalent depth to Rover 1 (350m).

## B - Target Rov18\_05

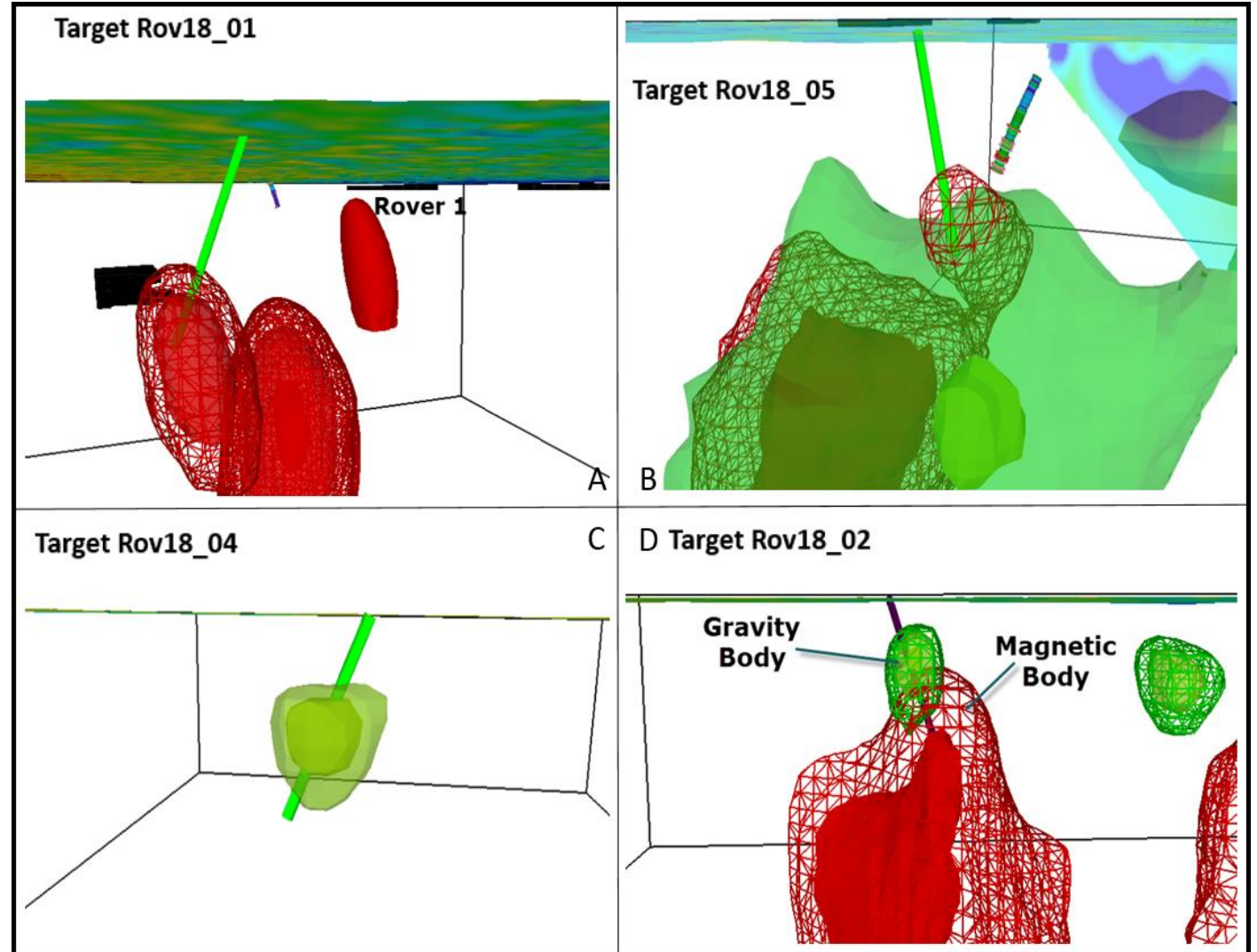
- Magnetic body (red wireframe) target above larger deep magnetic body with associated gravity/density anomaly (green body).

## C - Target Rov18\_04

- Density anomaly target along strike from Rover 1.

## D - Target Rov18\_02

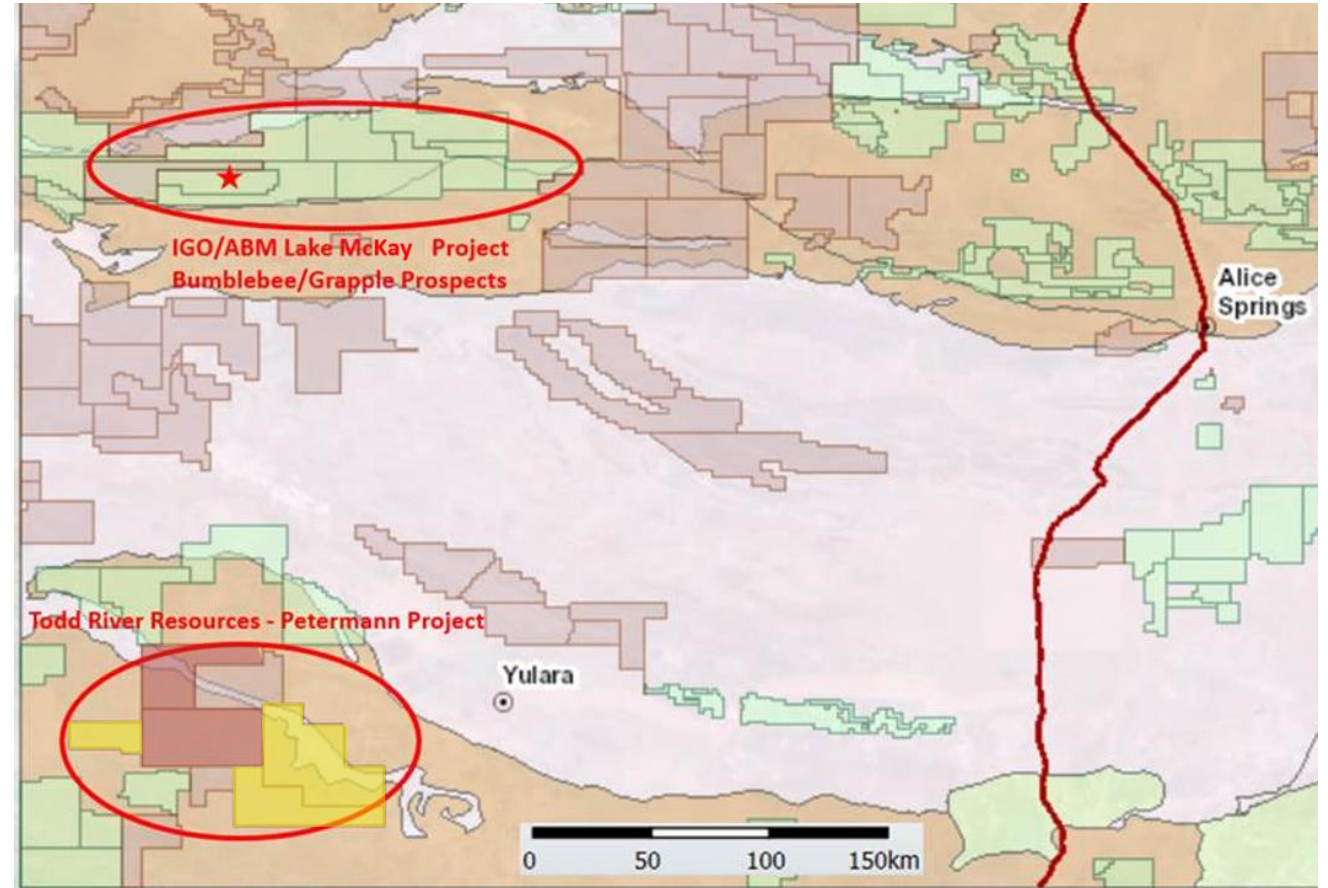
- Density body target sitting atop a larger magnetic body



# Petermanns Gold-Copper Project



- Petermanns - land access meeting held April 2018 – 3 tenements proceeding to grant – in yellow.
- 5,100Km<sup>2</sup> of tenure (3,000Km<sup>2</sup> granted).
- No modern exploration (last 40 yrs).
- Plan to be on the ground broad regional program 1st half 2019 or late 2018.
- Lake McKay (IGO/ABM) style approach.
- **Longer lead time but elephant country.**



# Proposed Activities – 2018



<b>Project</b>	<b>Priority</b>	<b>Activity</b>	<b>Commencement</b>
<b>Manbarrum</b>	<b>1</b>	<b>Completion of Conceptual Mining Study &amp; work program development</b>	<b>COMPLETED - positive</b>
<b>Petermanns</b>	<b>2</b>	<b>Traditional Owner meetings to facilitate tenement access</b>	<b>COMPLETED – 3/5 A.F.G.</b>
<b>Mount Hardy</b>	<b>1</b>	<b>drilling off hole TEM conductors (RC and diamond)</b>	<b>UNDERWAY CURRENTLY</b>
<b>Tomkinson</b>	<b>2</b>	<b>Geophysical assessment of open file data prior to initial field work – sampling/mapping/drilling</b>	<b>Started – field work June/July</b>
<b>Rover</b>	<b>1</b>	<b>TO clearance and drilling of high priority targets</b>	<b>June Quarter onwards</b>
<b>McArthur River</b>	<b>1</b>	<b>First pass on new ground and follow up geophysics and drilling SkyTEM targets</b>	<b>June Quarter onwards</b>
<b>Stokes Yard</b>	<b>2</b>	<b>Detailed ground EM geophysics to refine drill targets</b>	<b>September Quarter</b>
<b>Lithium Projects</b>	<b>3</b>	<b>Reviewing divestment opportunities</b>	<b>Ongoing</b>

## ***Summary – The NT's Base Metal and Gold Explorer***



- Gold and Base Metals Focus in the Northern Territory
- Aggressive Exploration Campaign for 2018 and beyond
- Drilling currently underway at Mt Hardy with first results expected soon
- Drilling planned for McArthur and Rover during the next 3-4 months
- First Pass exploration commencing on new tenure at McArthur and at Tomkinson
- Manbarrum Study refinement ongoing
- Pipeline Projects at Petermanns and Stokes Yard
- Tight Capital structure – highly leveraged to exploration success





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***THANK YOU***

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