



# TODD RIVER RESOURCES

ASX Code: TRT



Investor Update, July 2018 – Will Dix, CEO.

# Disclaimer & Competent Person's Statement



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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

“Stokes Yard mapping outlines high-grade copper, zinc and lead potential” lodged on 28 August 2017

“Assay Results Confirm High Grade Discovery at Mount Hardy” lodged on 20 June 2018

“Step Out Hole Intersects Thick Base Metal Sulphides at Mt Hardy” lodged on 10 July 2018, and

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 9c):	\$6.9M
<b>Shares on issue (fully diluted):</b>	<b>77M</b>
Unlisted Options (\$.30 March 2020):	13.5M
Listed Options (\$.25 March 2020):	25.5M
Cash - end March:	\$1.40M

## 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	9.1%
Bellaire Capital	3.7%
WWB Investments P/L	3.6%
HC Investment Holdings Pty Ltd	3.3%



# TRT – All About The Northern Territory



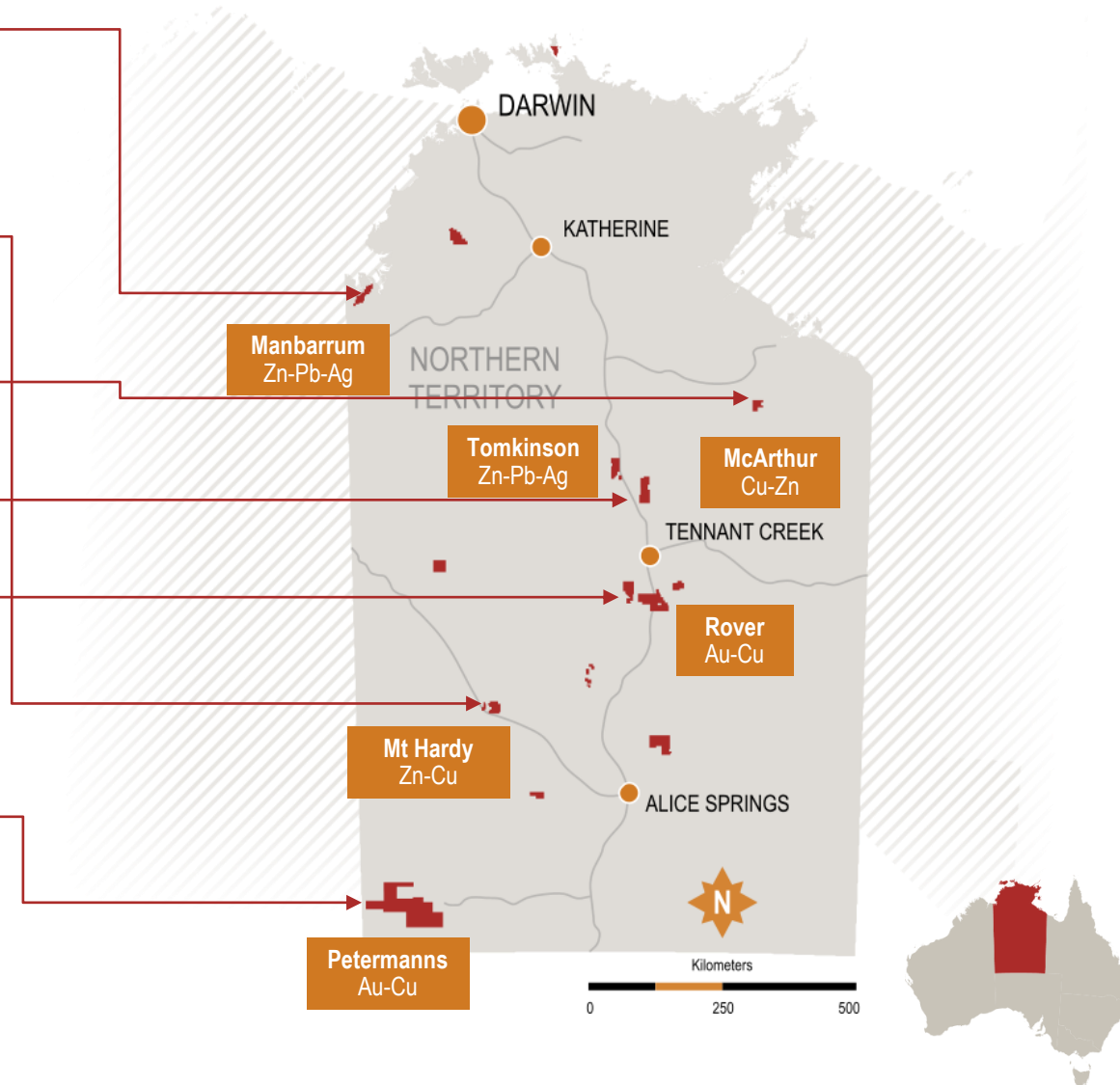
- Home to one of the largest Zn mines in the world and significant Au mines
- Base metal exploration has declined – a huge opportunity for new explorers
- Significant gold endowment – approx. 20M Oz produced
- Tennant Creek has produced over 4M Oz (so far)
- Backed by a supportive Government for resource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



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



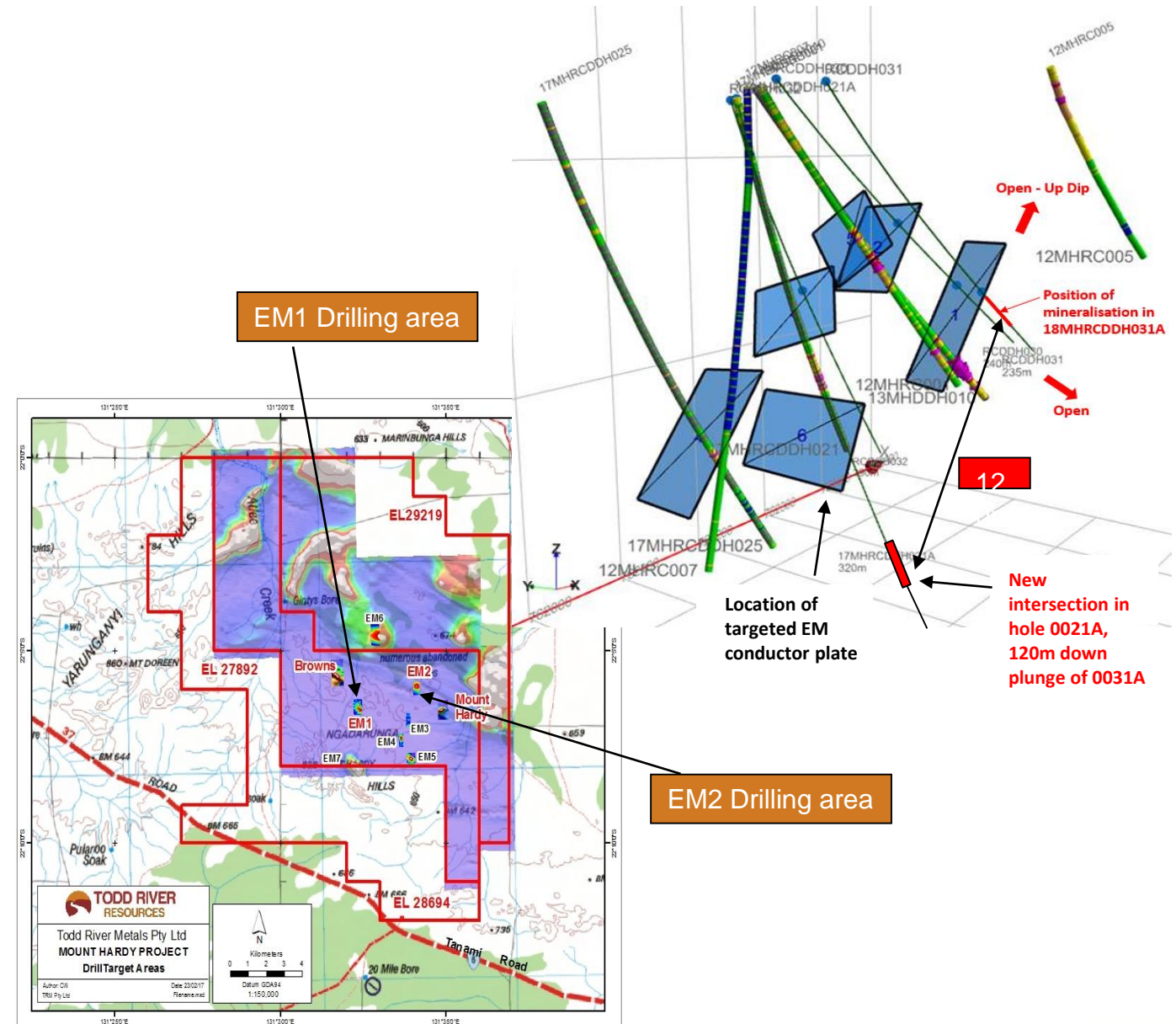
- **Manbarrum:** Zinc-Lead-Silver  
*Work through study recommendations and corporate opportunities – Q3*
- **Mount Hardy:** Copper-Zinc  
**Drilling Success announced 7 June - ONGOING**
- **McArthur River:** Copper-Lead-Zinc  
*Drill test high priority SkyTEM anomalies and further geophysics – Q3*  
*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***



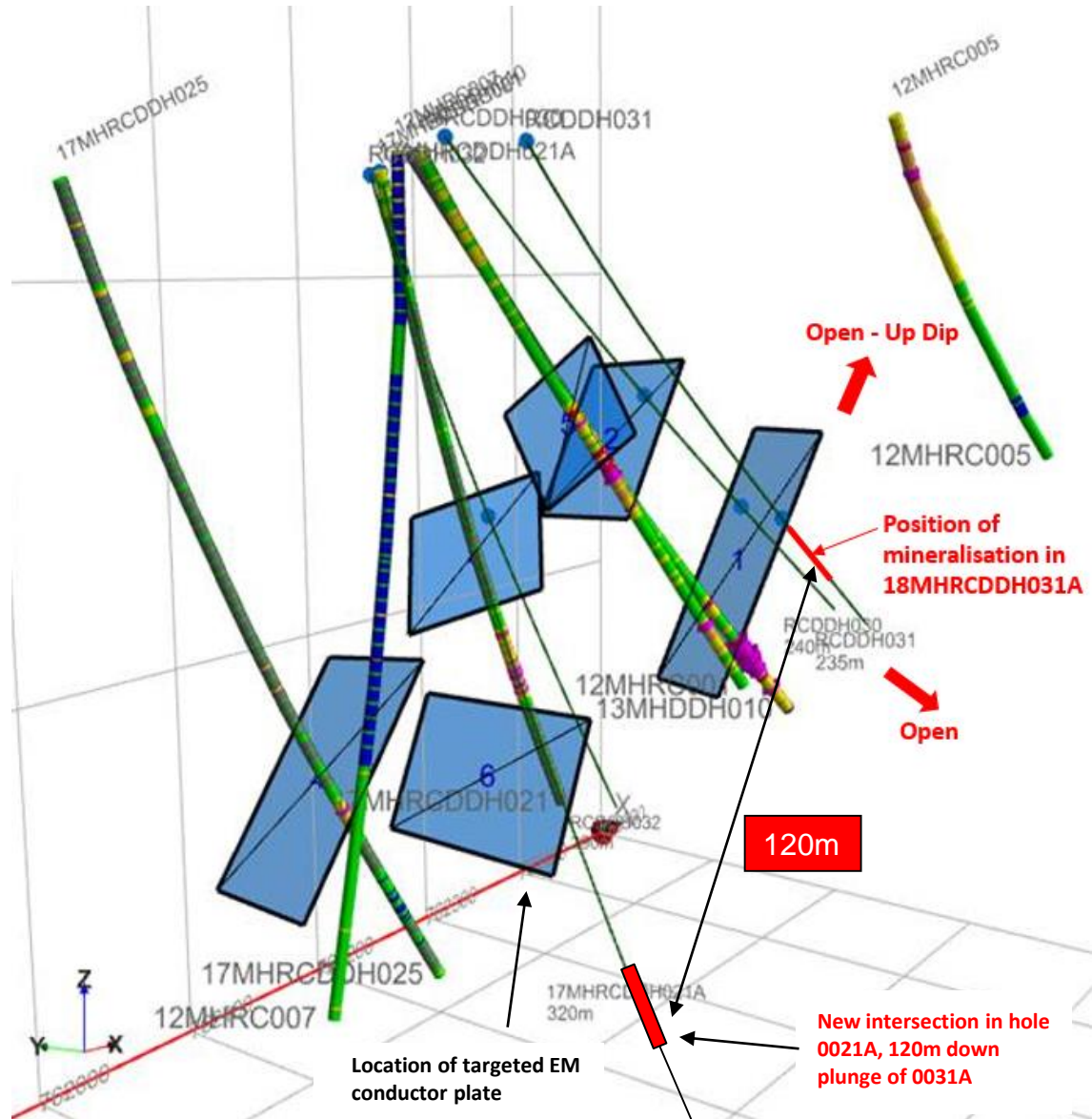
# Mount Hardy Copper-Zinc Project – NEW DISCOVERY



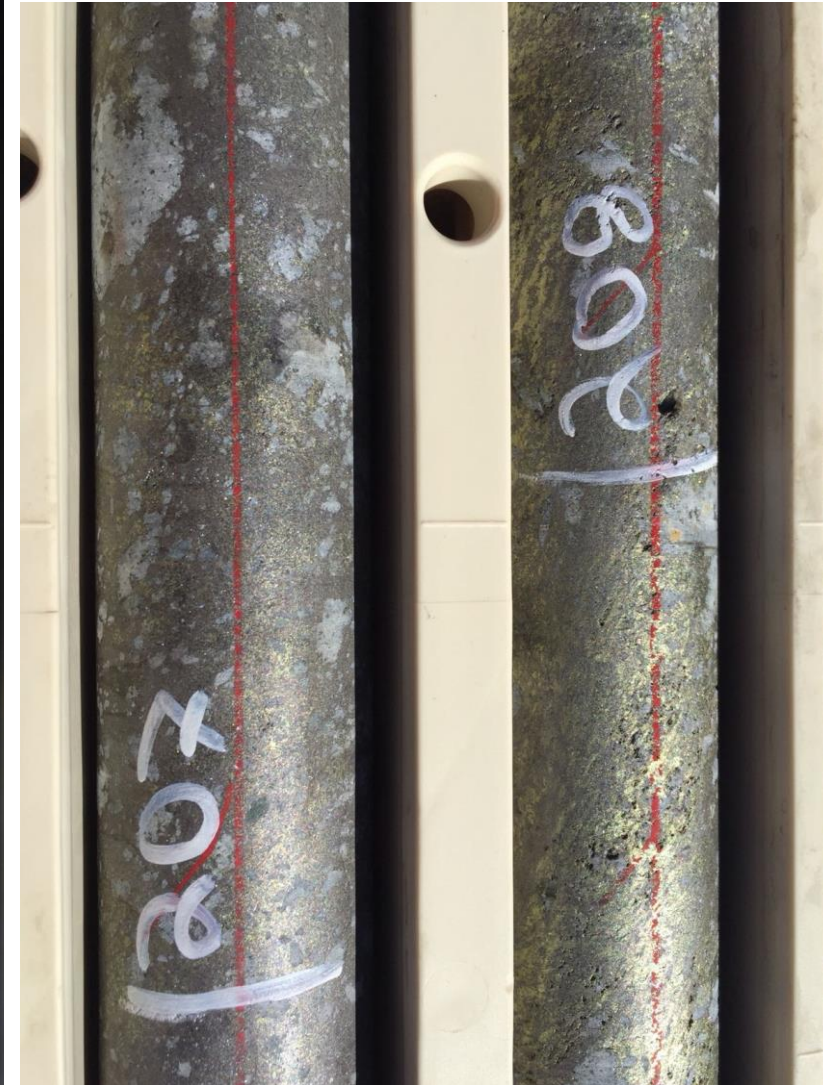
- Hole 0031A intersected significant base metal mineralisation at EM1
- Assays returned (from 184m):
  - **25.15m @ 2.4% Cu, 4% Zn, 3.1% Pb**
  - **Incl: 9.15m @ 4.5% Cu, 8.8% Zn, 7.6% Pb and 162 g/t Ag**
- Downhole Geophysics and additional diamond drilling ongoing – mineralisation open at depth and along strike
- Assays awaited on most holes (4 week turn around)
- Full geophysical review/reassessment underway



# Mount Hardy Copper-Zinc Project – NEW DISCOVERY



# Mount Hardy Copper-Zinc Project – 18MHDD0031A Mineralisation



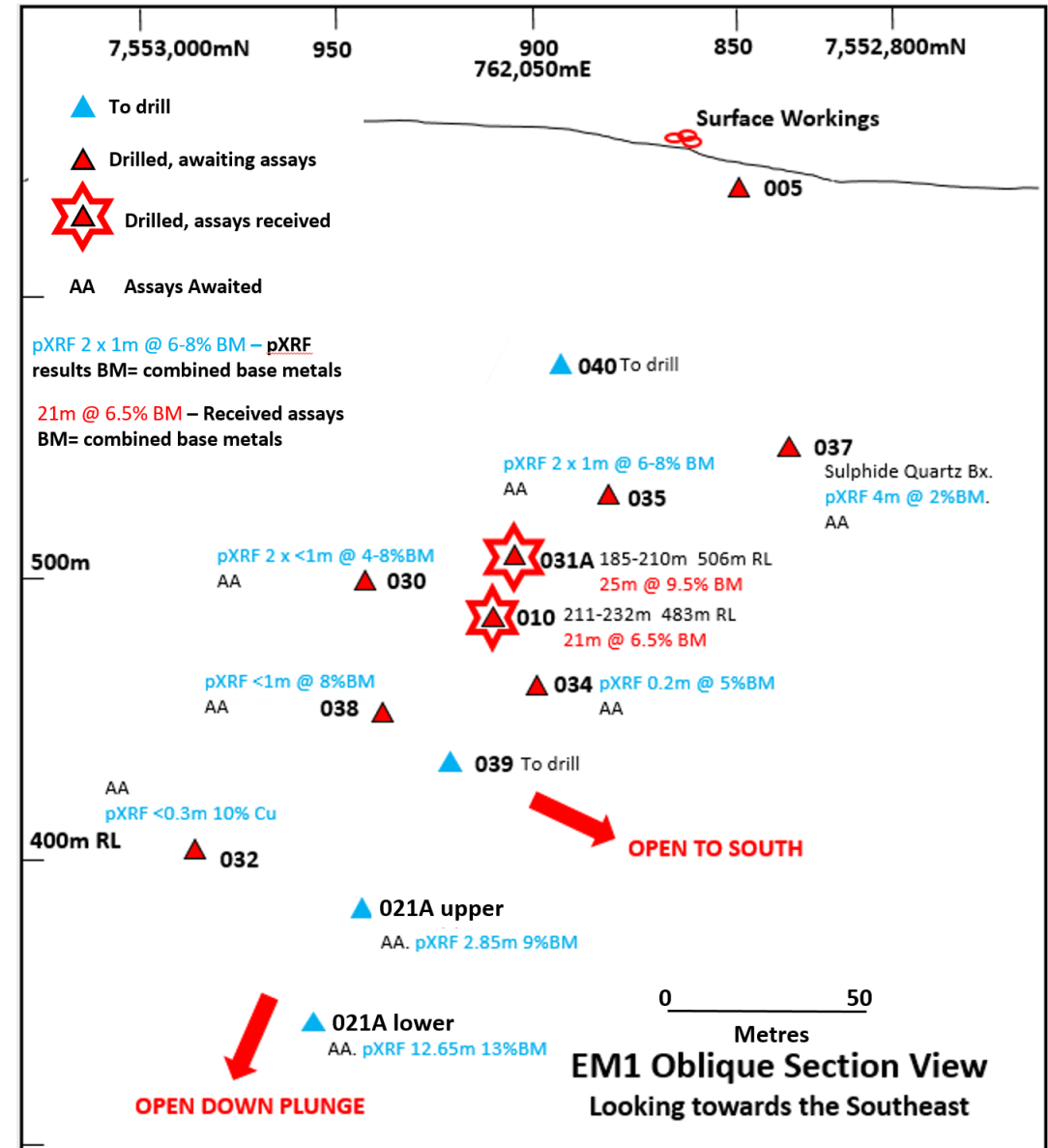


# Mount Hardy Copper-Zinc Project – NEW DRILLING & GEOPHYSICS



- Hole 13MHDD0021A intersected significant base metal mineralisation 120m down plunge from 18MHDD0031A
- 12.65m @ 0.6% Cu, 10% Zn, 1.6% Pb from 358.55m (pXRF readings\*)**
- 2017 downhole geophysical modelling appears to have largely seen the upper stringer sulphides – stronger response
- Lower massive sulphides more subtle and more difficult to model
- New data and re-modelling will provide better information on the geometry of the lower sulphide zone
- Has every hole been drilled deep enough?**

\*The intervals are reported based on averaging several (minimum of five readings) pXRF readings taken systematically at 0.5m intervals through the mineralised zones. Analyses were taken on an Olympus Delta Pro unit on GEOCHEM mode with a 60 second read time.



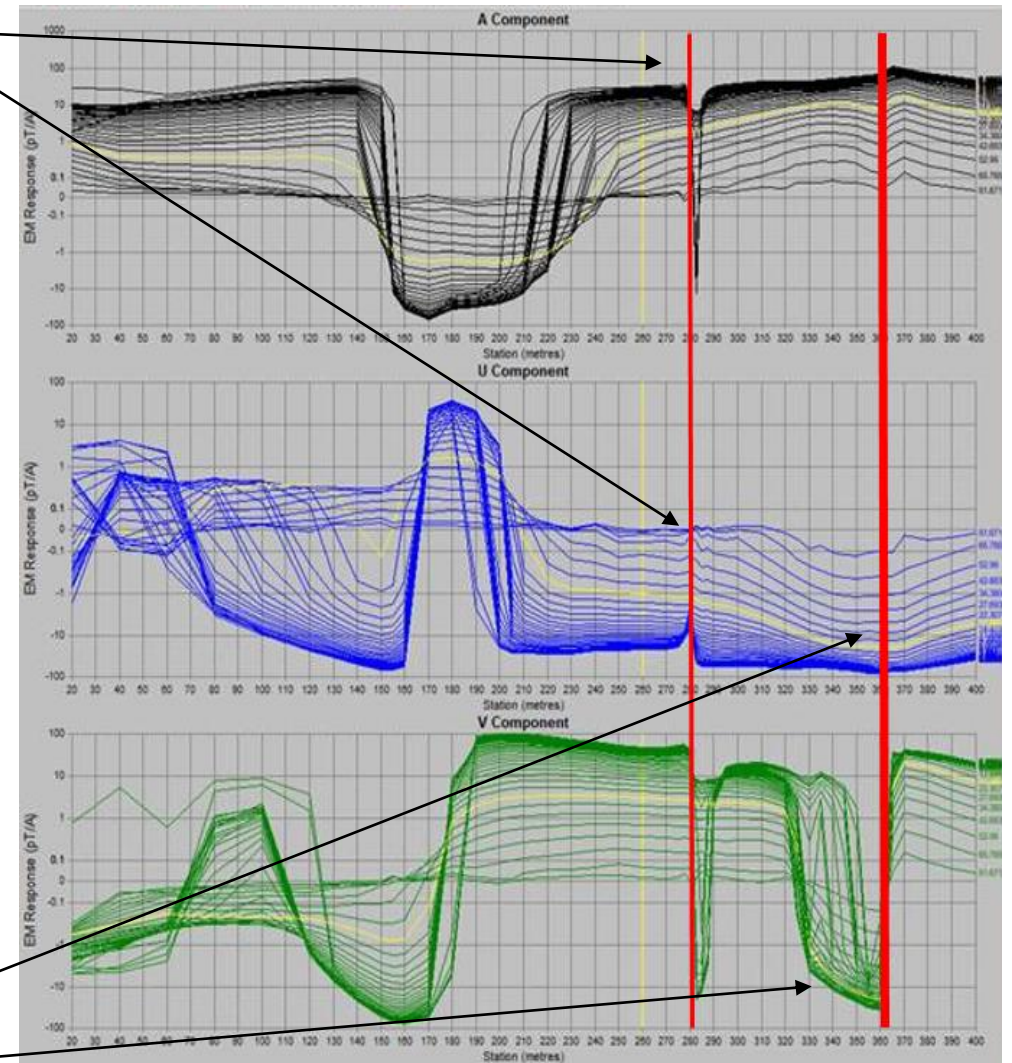
# Mount Hardy Copper-Zinc Project – 13MHDDH0021A DHTeM



Upper stringer zone produces strong, easy to model signal



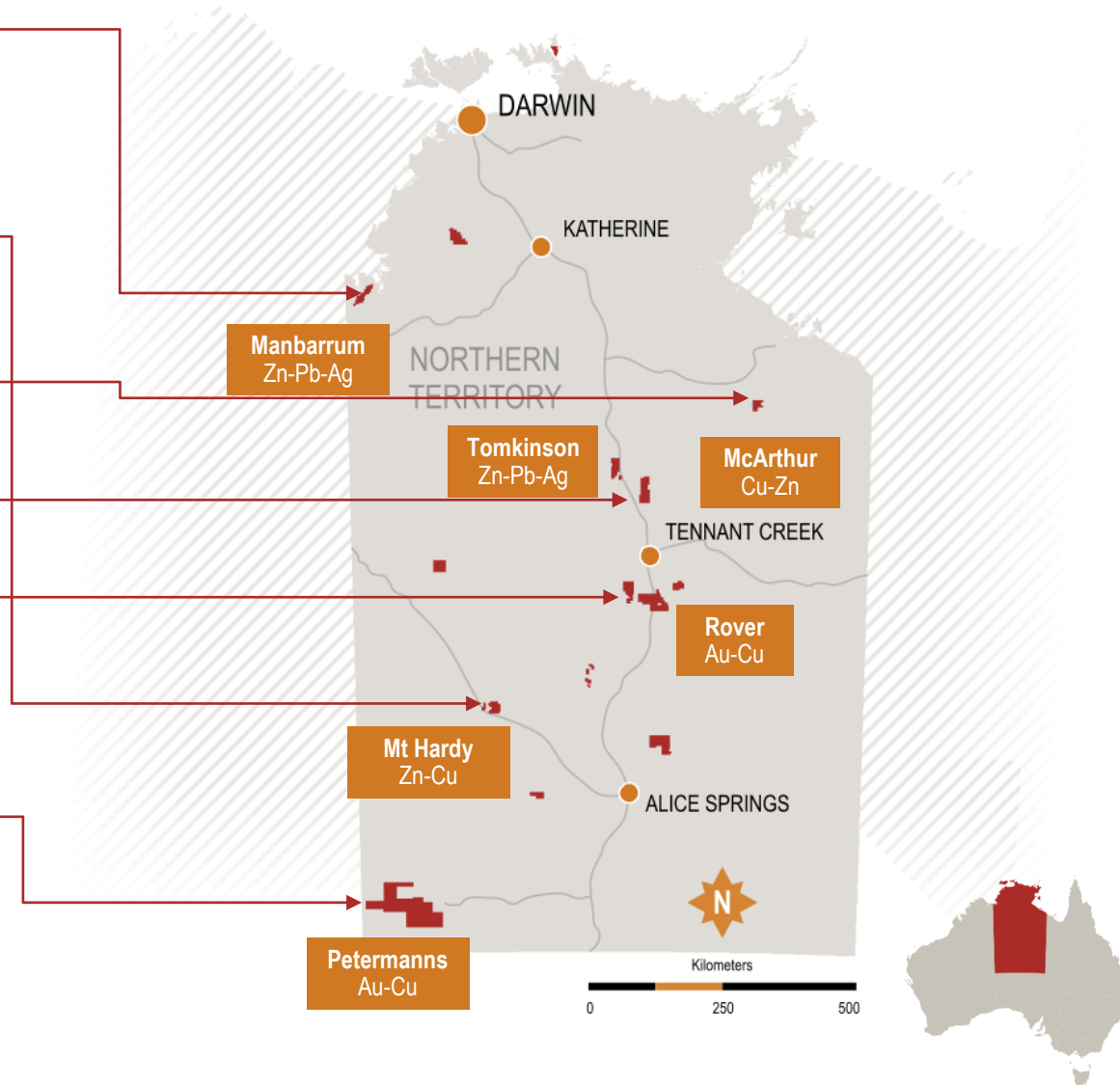
Lower brecciated massive zone produces weak, challenging to model signal



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



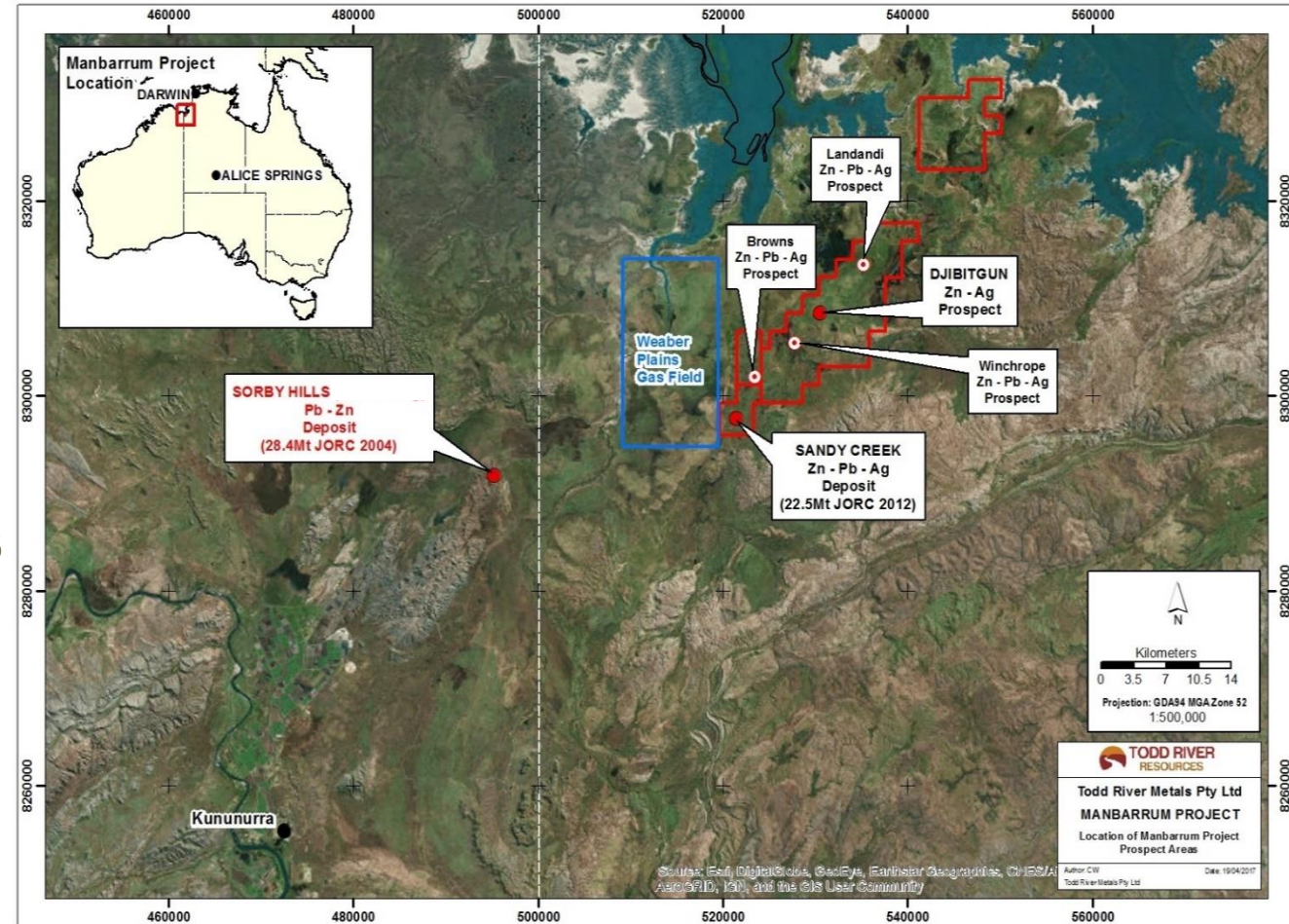
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# Manbarrum Zinc-Lead-Silver Project



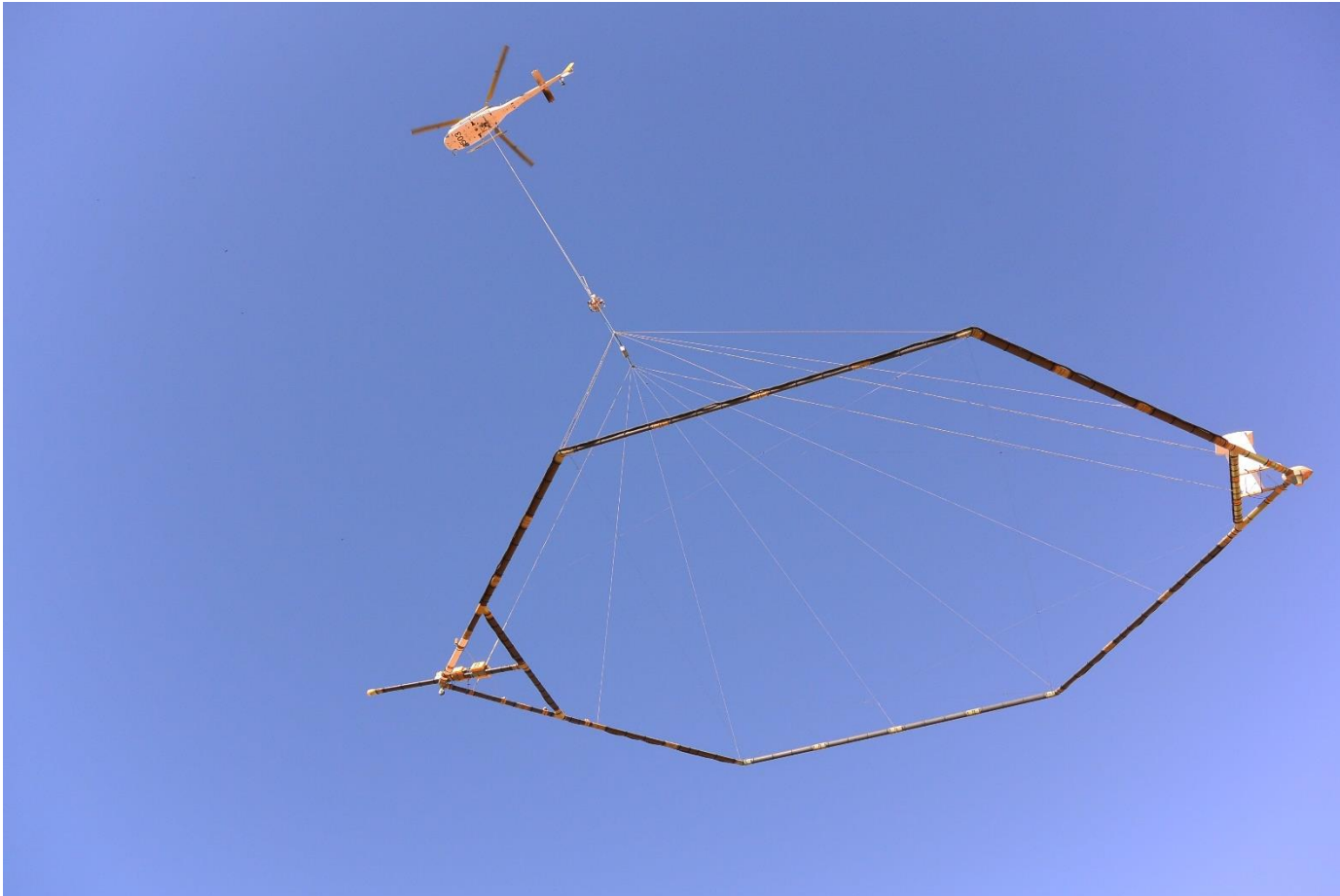
- Conceptual mining study completed
- **Positive outcome at base-case**
- Excellent results when optimised
- Further work required on processing and costings
- **22.5Mt @ 2.25% Zn+Pb JORC resource\***
- Reviewing regional & corporate opportunities



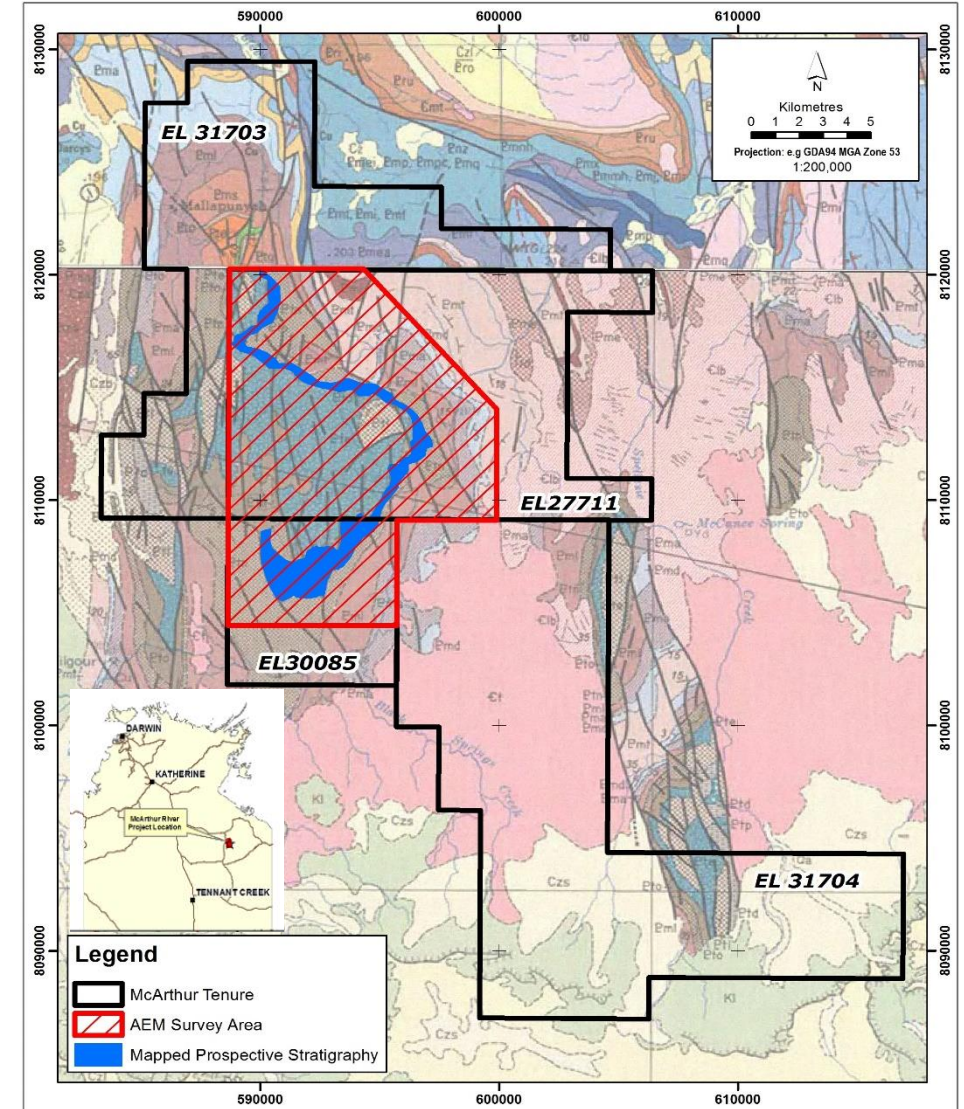
Manbarrum Project and Prospect locations including the Sorby Hills Project now subject to a Sale and Purchase agreement between Quintana Resources and Pacifico Minerals

\* 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

# McArthur River Copper Project



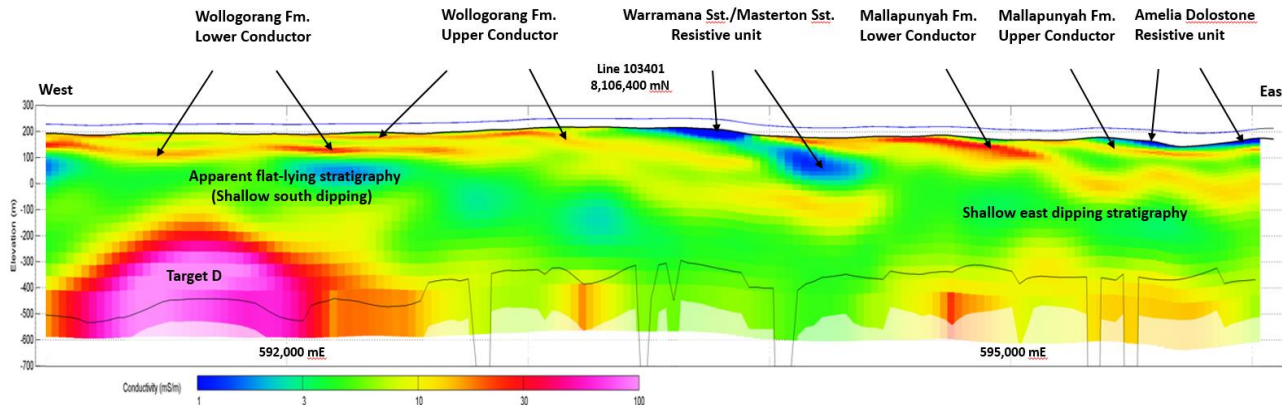
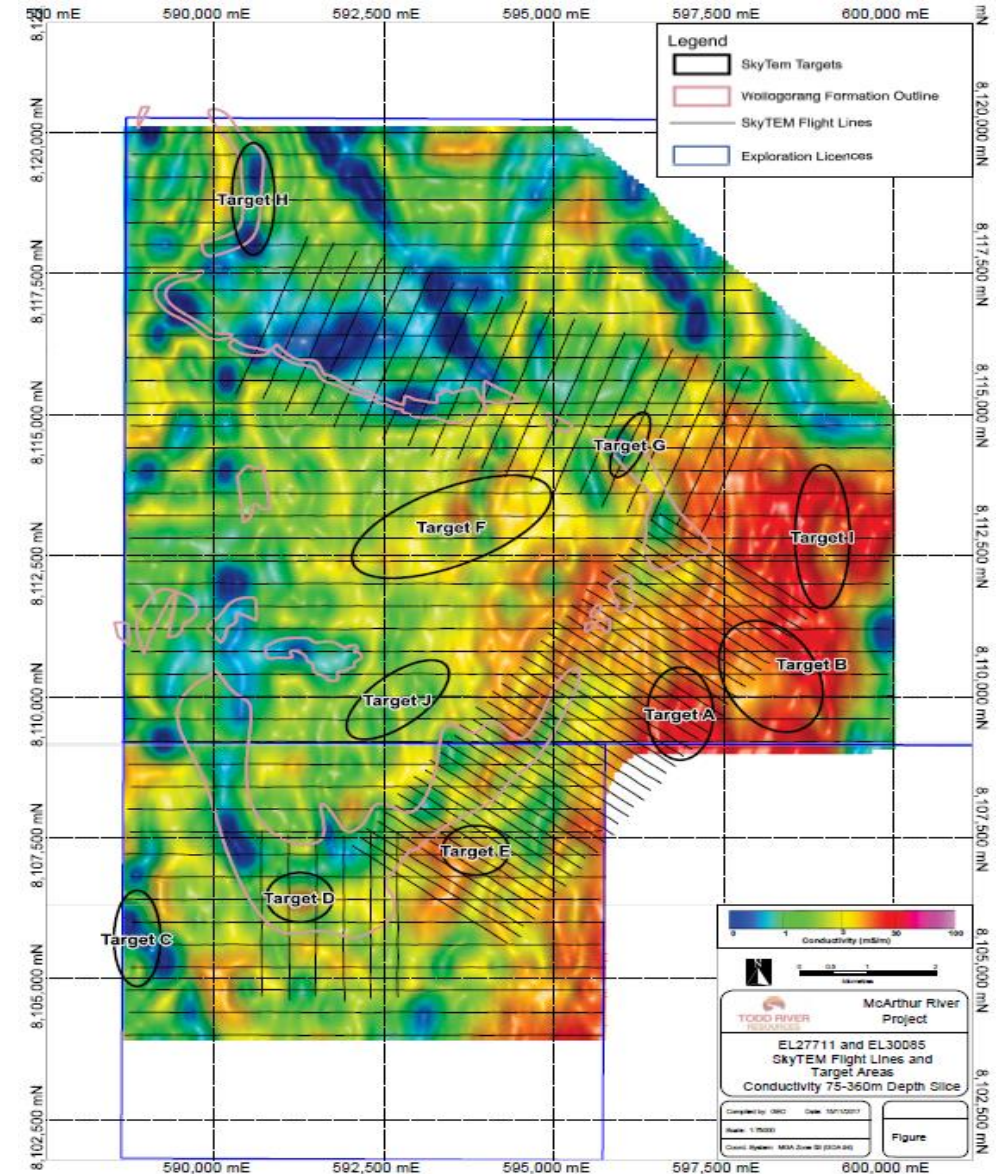
- SkyTEM survey collecting over 600 line Km of data during late 2017 - McArthur River Copper-Zinc Project
- Recently doubled tenure to the north and south



# McArthur River Copper Project



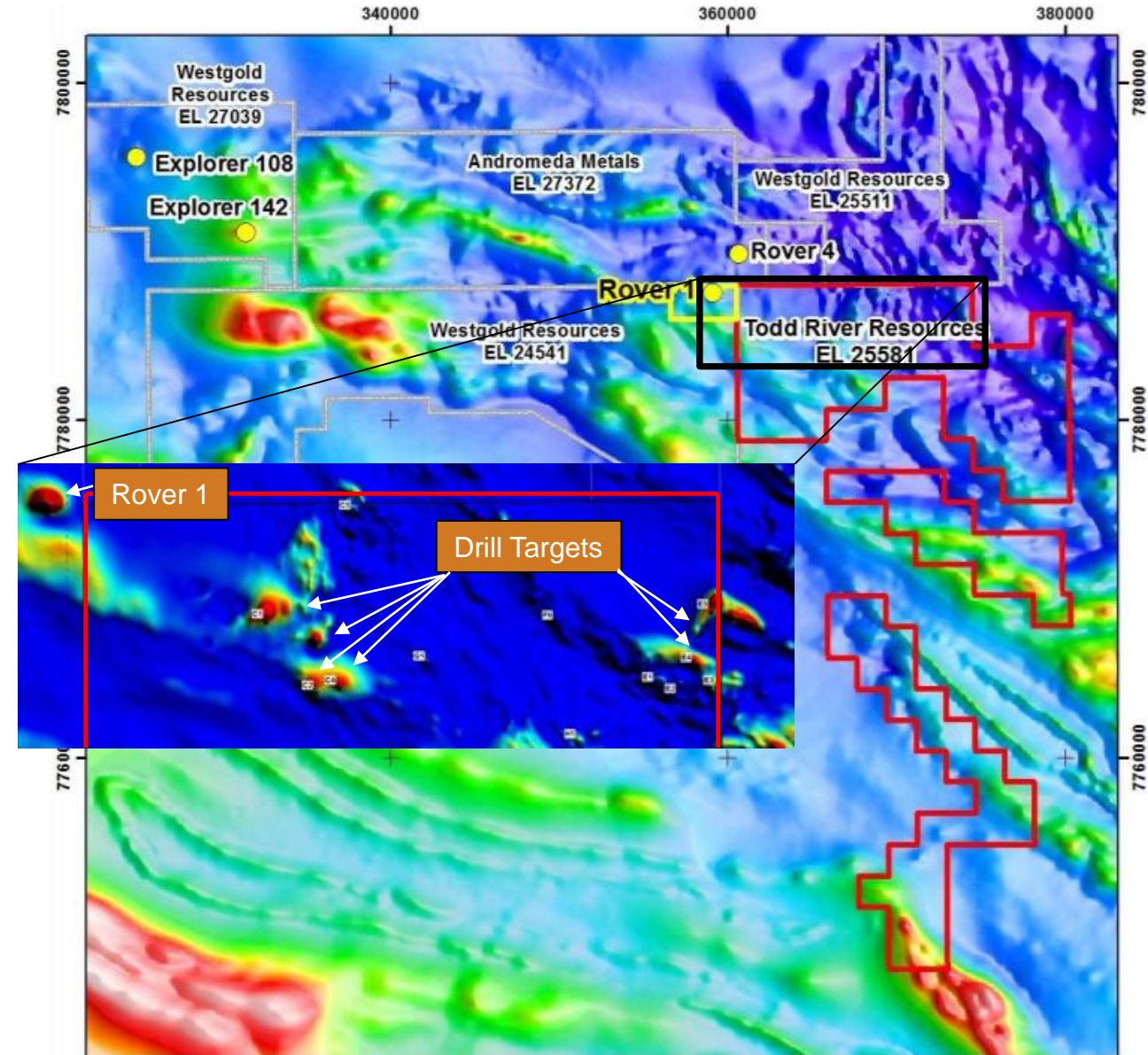
- 600 line km airborne electro-magnetic survey completed in 2017 – targeting Tawallah Group
- **Ten strong geophysical anomalies** outlined from interpretation of SkyTEM survey
- Mapping and sampling completed in 2017
  - Up to 44.5% Cu in rock chip samples
- **6 Drill targets identified for 2018 testing**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

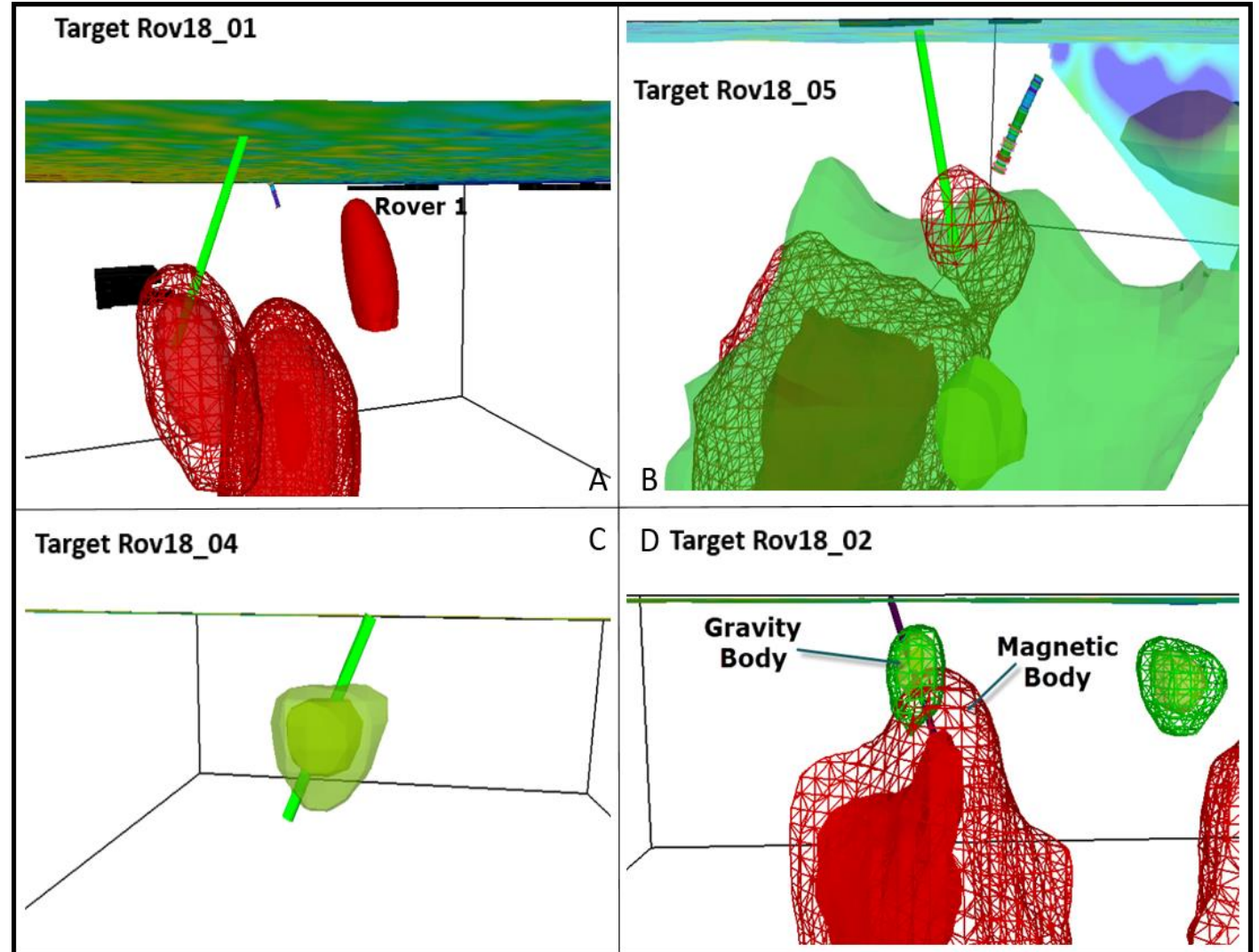
- Magnetic body (red wireframe) target above larger deep magnetic body with associated gravity/density anomaly (green body).

## 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





# Stokes Yard: Zinc-Lead-Copper



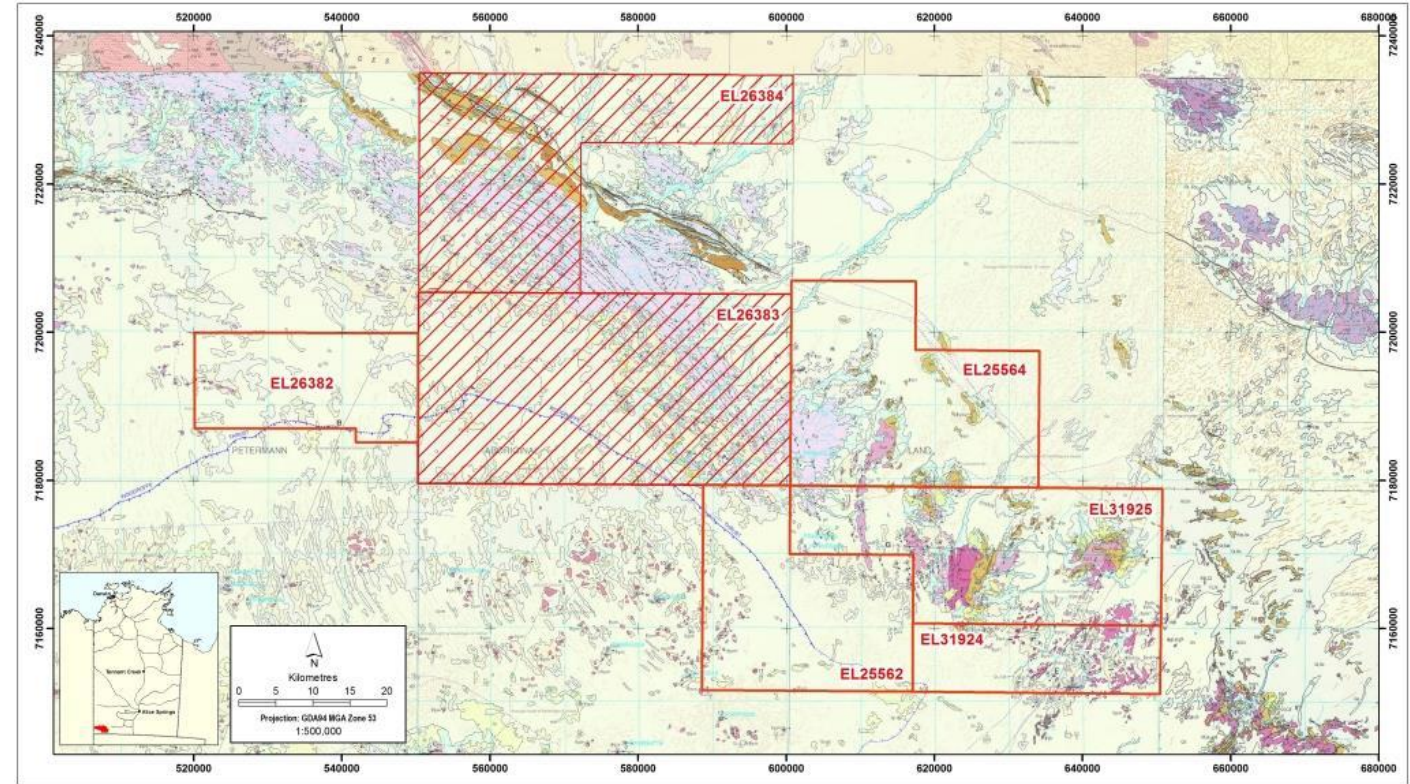
- Located 200km west of Alice Springs in the Warumpi Province
- 2017 and 2018 Rock chip sampling from the Stokes Yard Prospect has returned up to 14% Zn, 18% Pb, 2.4% Cu, and 148 g/t Ag
- No modern geophysics or drill testing
- Shallow workings developed in mylonite zones within schists and calc-silicates of the Ikuntji Metamorphics
- Interest in the Warumpi Province, due to ABM/IGO's discovery of the potentially IOCG-style Bumblebee Prospect At Lake McKay



# Petermann Range Project



- Land access meetings held April 2018 – 5 tenements proceeding to grant.
- 5,100Km<sup>2</sup> of tenure (2,800Km<sup>2</sup> to grant).
- No modern exploration (last 40 yrs).
- Plan to be on the ground 1st half 2019 or late 2018.
- First pass – mapping, broad surface sampling and airborne geophysics over priority areas.
- **Longer lead time but elephant country.**



# Proposed Activities – 2018



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

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



- Copper discovery at Mt Hardy – early days but super encouraging
- Aggressive Exploration Campaign for 2018 and beyond
- Drilling ongoing at Mt Hardy
- Drilling planned for McArthur and Rover during the next 3-4 months
- First Pass exploration commencing on new tenure at McArthur and at Tomkinson
- Geophysics at Stokes Yard
- Manbarrum Study refinement ongoing
- Pipeline Project at Petermann Range
- Tight Capital structure – highly leveraged to exploration success



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RESOURCES**

***THANK YOU***

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