

## **DRILLING COMMENCES TO TEST STRONG EM CONDUCTORS AT MOUNT HARDY COPPER-ZINC PROJECT**

*+2,000m drill program marks beginning of 2018 exploration field season*

Todd River Resources Limited (ASX: TRT; “Todd River” or “the Company”) is pleased to announce that its 2018 exploration field season has commenced with a Reverse Circulation and diamond drilling program underway at the 100%-owned Mount Hardy Copper-Zinc Project in the Northern Territory (Figure 1).

The drilling program is designed to test two strong conductor plate targets identified from down-hole electromagnetic (DHEM) surveying of drill holes completed during 2017:

- EM1
  - *Strong 1,000 Siemens plate modelled – north of existing testing;*
  - *In-fill also required for shallow plate/mineralisation zone*
- EM2
  - *Strong 2,000s Siemens plate modelled – below and north of existing holes*

The drilling will commence with RC pre-collars for each hole followed by diamond tails through the target zones. In all, around 6-8 holes for 2,000-2,600m of drilling are planned.

It is expected that further DHEM surveys will be completed on these new holes at the completion of the drilling program.

Commenting on the commencement of the drilling program, Todd River’s Chief Executive Officer, Will Dix, said:

*“It’s great to be finally through the planning phase and into the drilling. A great deal of work has gone into being well prepared and ensuring we deliver the most effective and efficient exploration campaign over the next few weeks at Mount Hardy, and more broadly across the project portfolio for the remainder of the year.*

*“We look forward to seeing what is generating the EM responses we have modelled and informing the market of the outcomes in due course.”*

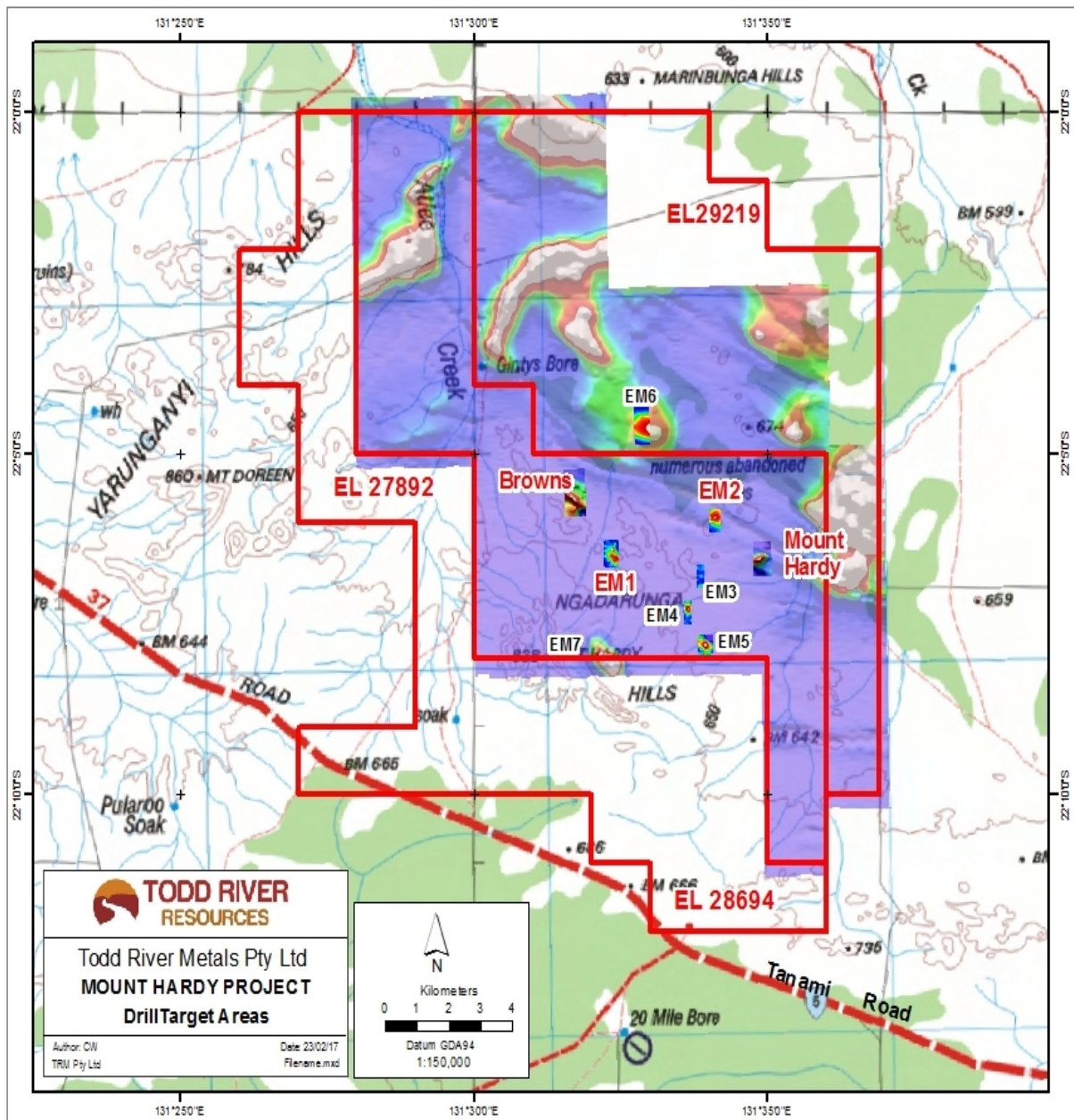


Figure 1 – Mt Hardy Project showing the location of drill target areas EM1 and EM2

### EM1 Target

DHEM surveys were conducted on holes 17MHRCDDH021 and 17MHRCDDH025 during August 2017. Modelling was completed from the data from these two holes, as well as all previously surveyed holes in the area (2012 and 2013 drilling).

The resultant complex model required six conductor plates to best match the data (Figure 2). Modelled plate conductances were from 200 to over 1,000 Siemens (moderate to very strong values).



Each of these six plates dips at between 55 to 70 degrees towards the W to NW (260-300 degrees), averaging 65 towards 280.

There are two areas highlighted by this modelling work that warrant follow-up:

- The lowermost plate modelled from hole 17MHRCDH025, a strong late-time anomaly. The deeper plate modelled from hole 17MHRCDH025 is a **long wavelength late-time strong response (1,000 Siemens)**. It dips at 55 degrees towards 295 degrees and is ~100m wide and 100 to 200m long (there are multiple possible model interpretations). It can be seen on Figure 2 as the lower left plate, with a centroid north and above hole 17MHRCDH025; and
- The up-dip position between holes 12MHR005 and 13MHRCDH010. The uppermost modelled plate (Figure 2 upper right) corresponds to the best mineralisation seen in the EM1 area.

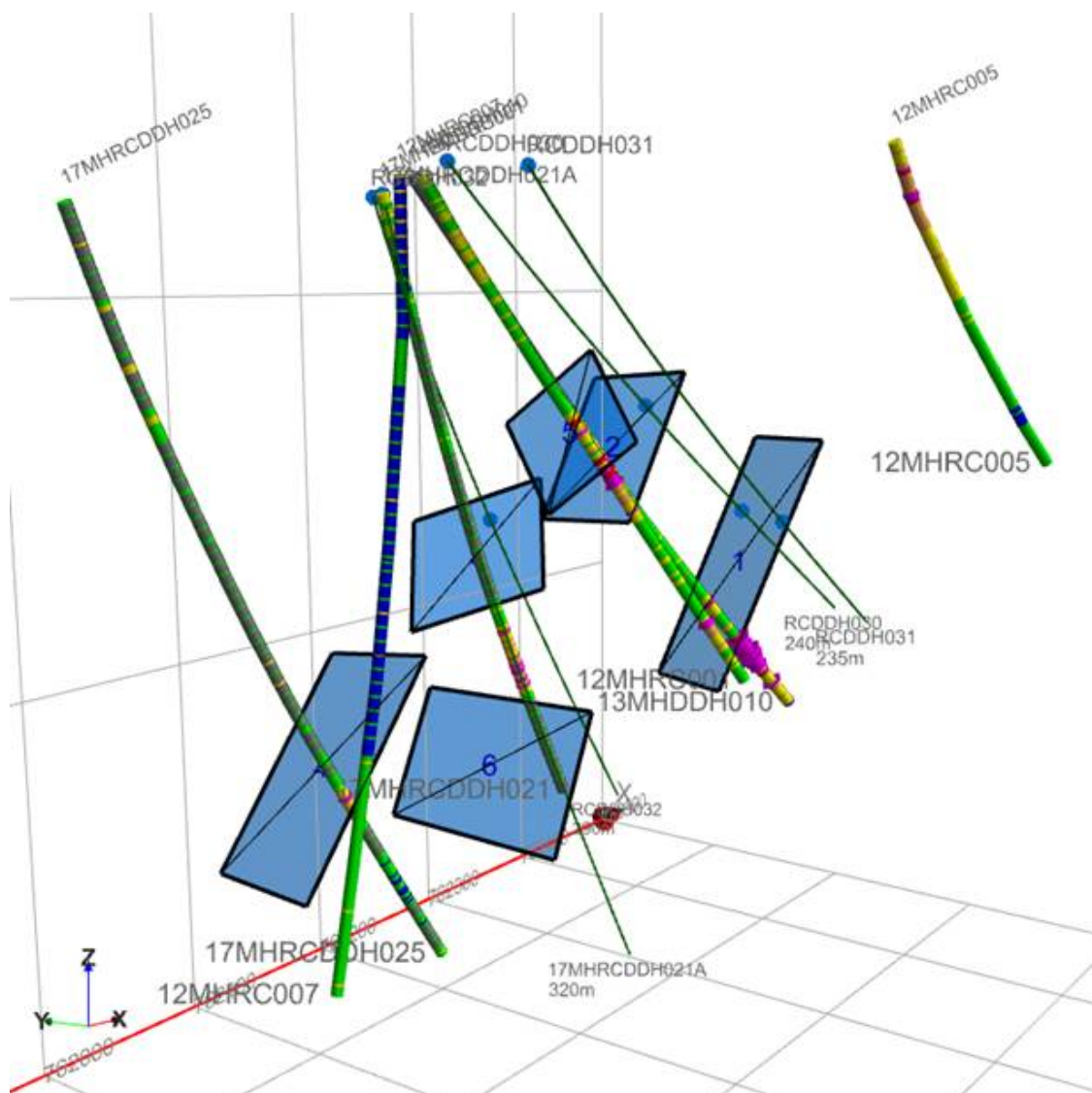


Figure 2 – EM1 Proposed drill holes targeting the strongest of the modelled DHEM plates. Oblique cross-section looking north-east, 100 x 100m grid.



## EM2 Target

Holes 17MHRCDDH023 and 17MHRCDDH029 were surveyed, and modelling was conducted using these data and the information from the 2012/13 drilling and DHEM surveys. Two significant sized plates with high conductance have been modelled, and are shown in Figure 3. The upper plate has a conductance of 450 Siemens and corresponds closely with the intersected mineralisation.

Holes 12MHRC006, 13MHDDH012, 17MHRCDDH023 and 17MHRCDDH029 all have mineralisation within 20m of the down-hole pierce point position. This upper plate highlights how effective DHEM modelling has been in outlining base metal mineralisation at Mount Hardy.

More significantly, a large 110m x 200m plate with **1,800-2,000 Siemens** conductance has been modelled below and to the north-east of hole 17MHRCDDH029 (the red plate in Figure 3). This off-hole plate dips at 68 degrees towards 310, has the strongest conductance of any modelled plate at Mount Hardy to date, but has not been tested by any drilling.

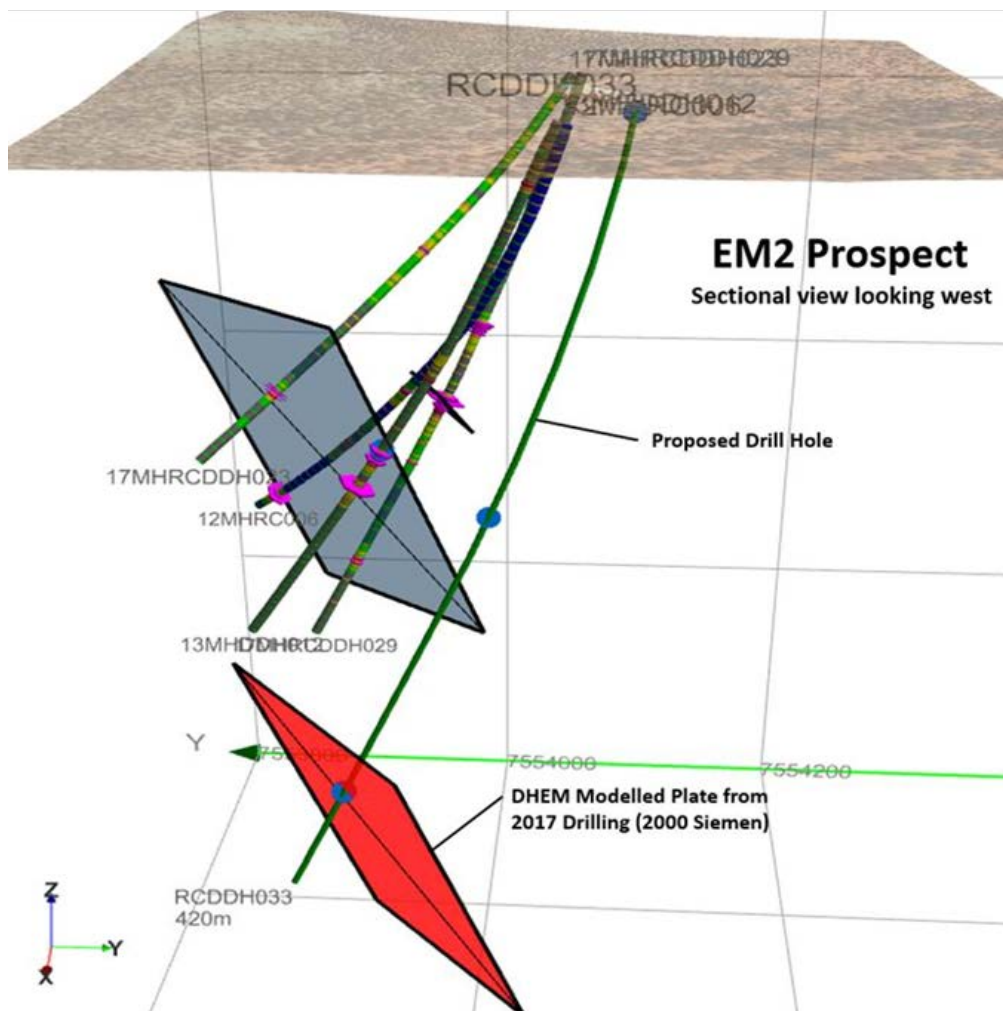


Figure 3 – EM2 Prospect showing the strong off-hole conductor plate (in red) and the proposed drill hole (RCDDH033). Oblique cross sectional view looking west, 100x100m grid.



## **Will Dix, CEO – Todd River Resources**

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## **Competent Person Statements**

The information in this announcement that relates to exploration results is extracted from ASX announcement titled:

- “Strong downhole EM targets identified at Mount Hardy Copper Project”, lodged on 17 September 2017.

which is 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.

## **About Todd River Resources**

Todd River Resources (ASX: TRT) is an Australian-based resources company that holds a large, highly prospective zinc and base metals exploration portfolio in the Northern Territory. The Company was formerly a subsidiary of ASX-listed strategic metals company TNG Ltd (ASX: TNG), and was spun-out of TNG in 2016 to advance and develop TNG’s significant portfolio of non-core base metals assets.

Todd River Resources recently completed a successful \$6 million IPO at 20c and its shares commenced trading on the ASX on 6 April 2017. With a strong cash position, Todd River is well placed to pursue exploration activities across its exploration portfolio, which are aimed at establishing the Company as a leading force in Australian zinc exploration and development.

Todd River’s extensive base metal portfolio includes the large Manbarrum Zinc Project, the Mount Hardy Copper-Zinc Project, the Stokes Yard Zinc Project and the McArthur Copper-Zinc project, as well as a number of other exploration projects covering base metals and other commodities.