

STATE-OF-THE-ART AEM GEOPHYSICAL SURVEY COMMENCED AT McARTHUR RIVER BASE METALS PROJECT

Todd River Resources Limited (ASX: TRT) is pleased to advise that it has secured leading geophysical survey company SkyTEM to complete an airborne electromagnetic (AEM) survey over its 100% owned McArthur River Base Metals Project in the Northern Territory (Figure 1).

SkyTEM has been selected to complete the survey, as its state-of-the-art dual-moment transient electromagnetic system is well suited to identifying conductor bodies that relate to base metal mineralisation at depths to 300 metres.

The SkyTEM set-up includes a helicopter-borne 16x28m loop (Figure 2) and is flown at 35-60 metre terrain clearance. A current is passed through the loop, and then when turned off, the induced current in the ground is measured.

Todd River's McArthur River tenement package is located in the prospective Batten Fault Zone (BFZ). This area hosts the world class McArthur River Mine (MRM), operated by Swiss company Glencore, and the recent Teena discovery (owned by Canadian diversified mining company Teck Resources).

The survey will test for potential conductor horizons within the prospective sequence around the Mallapunyah Dome, within ELs 27711 and 30085 (Figure 1). The area has not had modern geophysical surveys conducted over it, with the last detailed geophysical survey completed 50 years ago (outlined in TNG ASX Release 16 September 2013). This historical induced polarisation (IP) survey outlined several conductor bodies, which have not been followed up.

The McArthur River tenement package straddles the western margin of the BFZ being traversed by two major terrane-bounding structures, the Mallapunyah and Tawallah Faults. On the eastern side of the BFZ, the Emu/Western and Jabiru Faults have syn-sedimentary movement and provide mineralising-fluid pathways at MRM and Teena. Orebodies of this SEDEX/McArthur River type are usually found within one kilometre of these structures.

The survey covers a 150 square kilometre area of prospective stratigraphy within both EL 27711 and EL 30085, totals just under 600 line kilometres, and will take approximately 7 days to complete.

Processing and interpretation work will continue into September, with aim of outlining conductor targets related to base metal mineralisation for drill testing.

Paul E Burton
Technical Director

14 August 2017

Enquiries:

Paul Burton,
Technical Director

+ 61 (0) 8 9327 0950

Nicholas Read
Read Corporate

+ 61 (0) 8 9388 1474



Competent Person Statement

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Exploration Manager Mr Kim Grey B.Sc. and M. Econ. Geol. Mr Grey is a member of the Australian Institute of Geoscientists, and an employee of Todd River Resources Limited. Mr Grey has sufficient experience relevant to the style of mineralisation and type of deposit 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 Grey consents to the inclusion in the report of the matters based on his information in the form and context in which it appear.

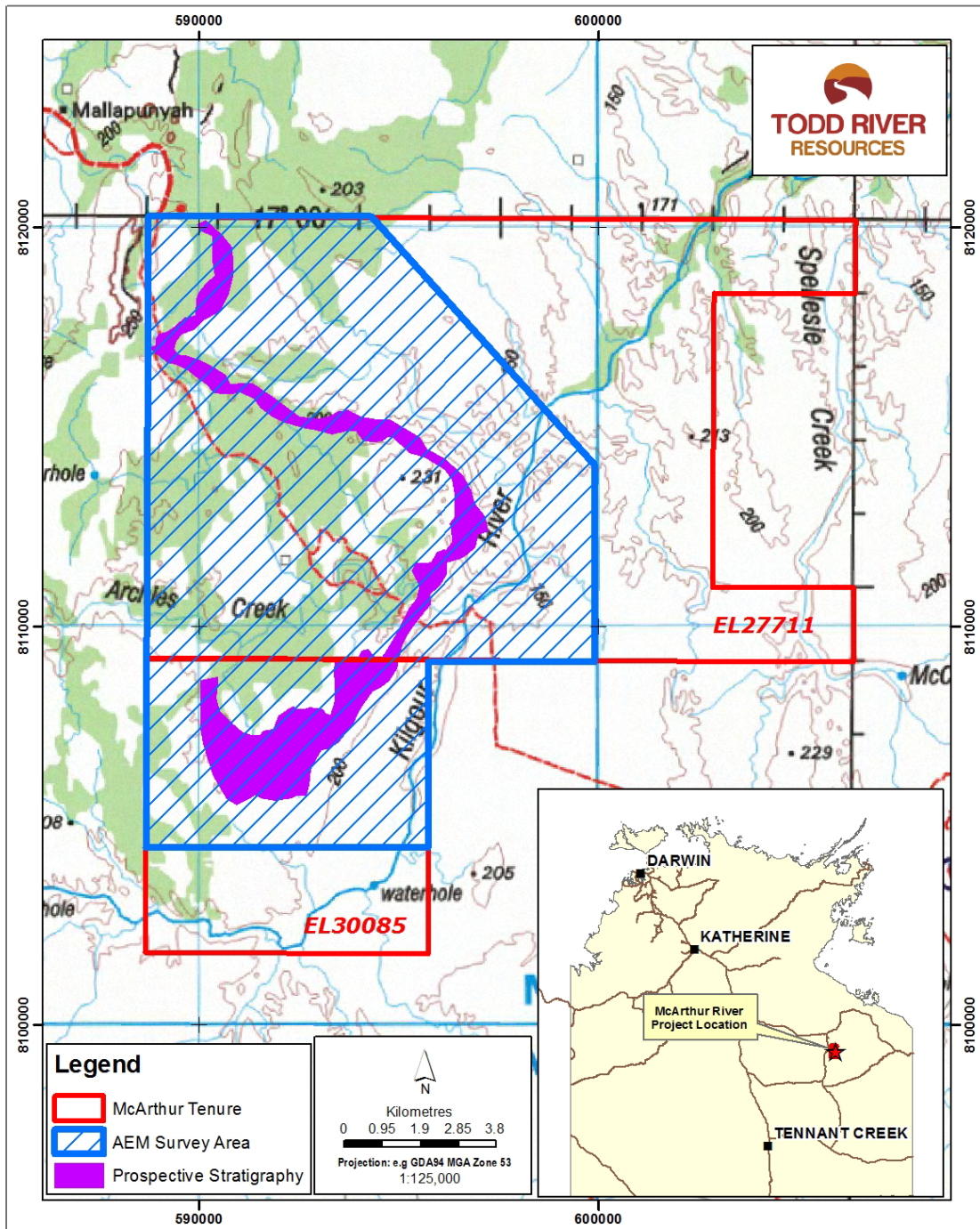


Figure 1. Location plan for the McArthur River Project area, showing the AEM survey area.



Figure 2. SkyTEM system in operation in the Northern Territory showing the helicopter and EM loop