

JUNE 2017 QUARTERLY ACTIVITIES REPORT

Maiden drilling program completed at Mount Hardy Copper Project with testing of four priority targets completed and a large number of assays awaited; Drilling commenced at Walabanba

HIGHLIGHTS

EXPLORATION

- **Maiden drilling program in the NT advancing strongly with drilling of four high-priority geophysical targets at Mount Hardy completed.**
- **14 holes completed for 2,849m (2,195m RC and 654m diamond).**
- **1,342 samples from the current drill program submitted for analysis, with a large number of assays awaited. Results from the EM1, Mount Hardy and EM2 areas will be reported once all assays are received and the geophysical surveys and interpretation are complete**
- **Down-hole geophysical surveys on the Mount Hardy holes planned for late July/August.**
- **Drilling now underway at the Walabanba Project in the NT to test four EM targets.**
- **Mapping and sampling will also be conducted over the southern Anningie Tin Field concurrently during July/August, to evaluate the lithium potential of this area.**

CORPORATE

- **New research reports issued by Independent Investment Research and Sanlam Private Wealth.**
- **Cash balance at the end of the Quarter of \$ 4.1 million.**

Following the completion of the Company's Initial Public Offering last Quarter, the June 2017 Quarter has been a busy period for Todd River Resources Limited (ASX: TRT), with the commencement of an aggressive exploration program across the Company's highly prospective asset portfolio (Figure 1) in the Northern Territory.

A major drilling program was completed at the Mount Hardy Copper-Zinc Project during the reporting period, with initial assay results confirming the presence of a shallow south-dipping zone of base metal mineralisation at the Browns Prospect.



Full assay results from the drilling program are expected to be received by the end of July, and will be reported once they have been fully compiled and interpreted against the Company's geophysical and geological models.

Down-hole EM geophysical surveys will commence at Mount Hardy in July, allowing a full assessment of the drilling program to be undertaken.

Following the completion of the Mount Hardy drilling program, the drill rig moved to the Walabanba Project, where drilling will test four key electro-magnetic (EM) targets identified by the previous owner, TNG Ltd (ASX: TNG).

Planning has also been completed for a major geological mapping and sampling program over the southern parts of the Anningie Tin Field, which is considered to be highly prospective for pegmatite-hosted lithium (Sn-Ta) mineralisation.



Figure 1. Todd River Resources project portfolio in the Northern Territory.

EXPLORATION

MOUNT HARDY ZINC-COPPER PROJECT

Todd River completed its maiden drilling program at the 100%-owned **Mount Hardy Copper-Zinc Project** in the Northern Territory during the Quarter.

Four high priority targets were drill tested as part of this program – the two strongest EM targets (EM1 and EM2), and the IP (Induced Polarisation) geophysical targets at Browns and Mount Hardy (Figure 2). With drilling now completed, the focus at Mount Hardy will switch to conducting down-hole geophysical surveys on all holes.

A total of 2,195m of RC drilling and 654m of diamond core has been drilled in 14 holes since April. Drilling areas are shown on Figures 2 and 3, with drill-hole locations outlined in Table 1.



1,342 samples have been submitted for ICP multi-element and fire assay gold analysis. Results will be reported once a meaningful amount have been received.

Results from the first two holes at the Browns prospect are detailed below, with further assay results for the remaining holes expected to be received by the end of July.

Browns Prospect Drilling

Four holes were completed for 490m at the Browns Prospect, as reported in the ASX Release – 20 April 2017. Results from the first two holes (17MHRC016 and 17MHRC017) were reported in ASX Release – 23 May 2017. Both holes intersected copper and zinc dominated sulphide mineralisation at shallow depth, as outlined below:

- **Hole 17MHRC016: 2.0m @ 1.67% Zn, 0.28% Cu, 0.18% Pb** from 88-90m
- **Hole 17MHRC017: 7.0m @ 1.77% Cu and 0.43% Zn, 280ppm Pb, 17.7 g/t Ag** from 67-74m

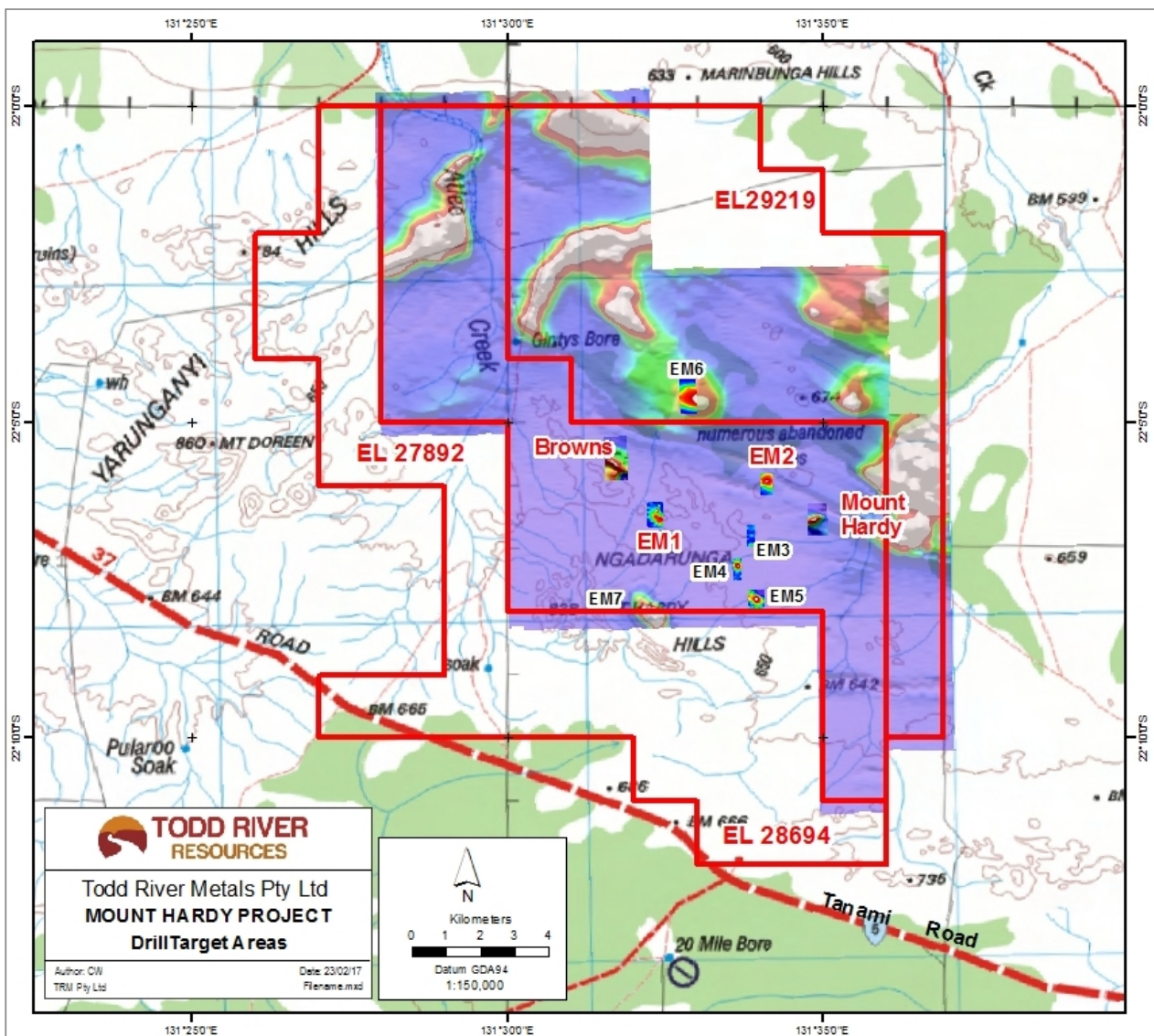


Figure 2. Location of the Mount Hardy Project in the Northern Territory, showing the drill program areas highlighted in red

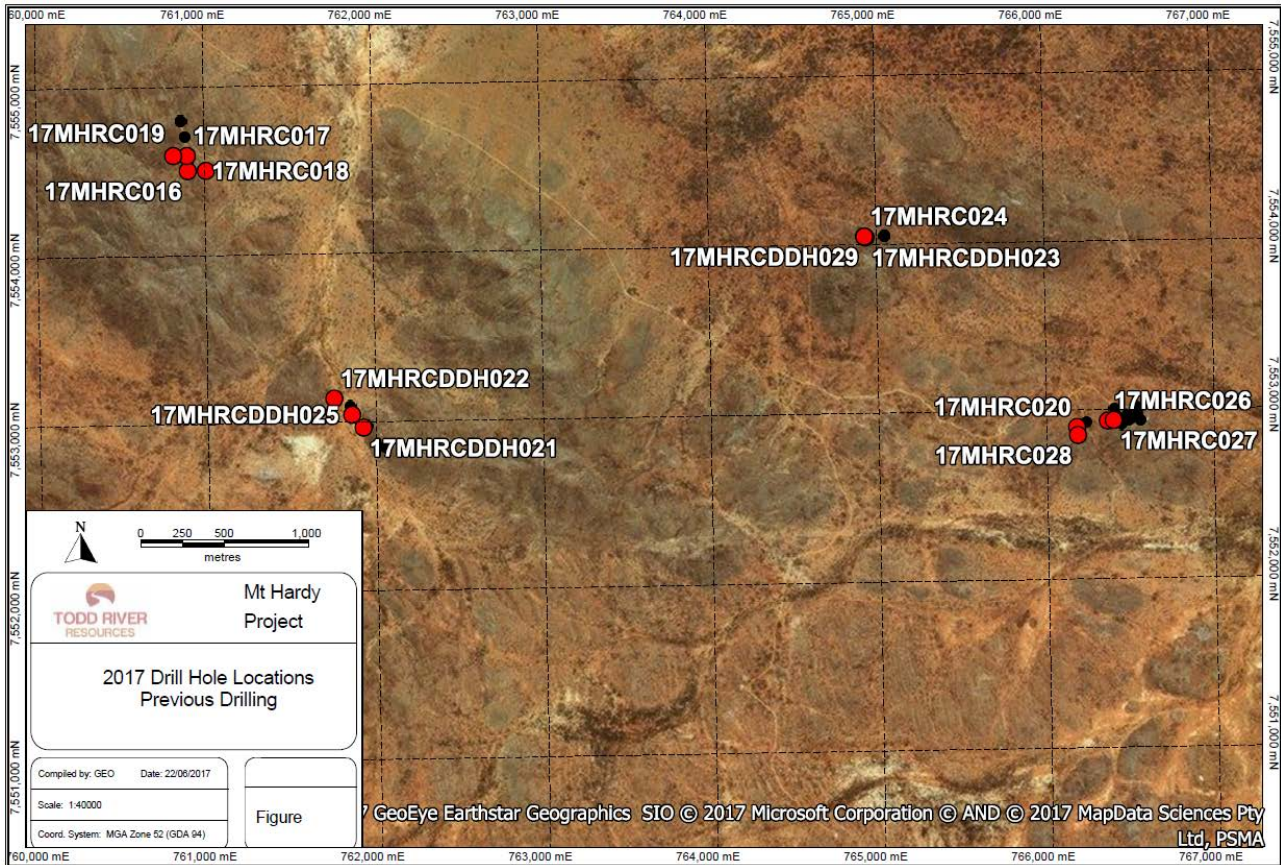


Figure 3. Location of drilling on the Mount Hardy Project within EL 27892, with 2017 holes highlighted.

Table 1. Drilling Survey Information.

HOLE_ID	EASTING	NORTHING	AHD_m	DEPTH	DIP	AZIM_MAG	RC (m)	DDH (m)
17MHRC016	760900	7554510	641	124	-60	180	124	
17MHRC017	760897	7554601	642	102	-60	180	102	
17MHRC018	761008	7554510	643	162	-60	360	162	
17MHRC019	760815	7554602	648	102	-60	360	102	
17MHRC020	766180	7552906	636	150	-60	150	150	
17MHRCDH021	761924	7552975	638	236	-73	87	150	86
17MHRCDH022	761753	7553150	636	375	-66	84	183	192
17MHRCDH023	764936	7554051	641	260	-44	125	150	110
17MHRC024	764928	7554057	641	204	-70	118	204	
17MHRCDH025	761857	7553052	635	346	-67	80	232	114
17MHRC027	766400	7552945	636	150	-50	150	150	
17MHRC026	766364	7552942	636	150	-50	150	150	
17MHRC028	766185	7552860	634	148	-50	150	148	
17MHRCDH029	764930	7554056	641	340	-65	126	188	152

At a 0.1% cut-off, the intersection from hole 17MHRC017 was **11.0m @ 1.19% Cu, 0.30% Zn, 0.12% Pb, 13.1 g/t Ag** from 63-74m.

Full assay results over these two intervals, as well as details of the drilling and sampling, are outlined in the Company's ASX Announcement dated 23 May 2017.

Hole 17MHRC016 has anomalous (>1,000ppm Zn) zinc values over a 25m interval, from 77m to 102m.



Despite being reasonably shallow, all base metals are contained in fresh sulphides (visually identified chalcopyrite and sphalerite) hosted by siliceous schists of the Paleoproterozoic Lander Rock Formation.

These two holes are located south and north of the single existing drill hole on the IP anomaly at Browns. Hole 13MHDDH015 returned an intersection of:

13.0m @ 1.17% Cu, 1.82% Zn and 0.46% Pb from 74-87m

Together, these three intersections define a shallow south-dipping mineralised structure that persists for over 100m. It remains open both up-dip to the north and down-dip to the south.

Holes 17MHRC018 and 17MHRC019 are located to the east and west respectively. Results from these holes will be reported once down-hole geophysical survey work has been completed.

Mount Hardy Prospect Drilling

Four RC holes have been drilled at the Mount Hardy Prospect. All holes targeted the down-dip and down-plunge position of the mineralisation seen at surface and outlined by an Induced Polarisation (IP) geophysical survey conducted by the previous owner, TNG Ltd, in 2013 (see TNG ASX Releases 1 March 2013 and 12 June 2013). Drill-hole locations are shown on Figure 2.

Planned Work

All assays are expected from ALS Laboratories by the end of July and will be reported once fully compiled and interpreted against the Company's geophysical and geological models. The down-hole EM geophysical surveys will commence at Mount Hardy in late July, allowing a full assessment of the drilling program to be undertaken.

WALABANBA PROJECT

Drilling commenced subsequent to the end of the Quarter (see ASX Release 11 July 2017) on four geophysical targets within the Walabanba Project (Figure 4). All the four targets are strong conductor bodies modelled from fixed-loop ground EM surveys, but blind at surface (due to shallow transported cover). There has been no previous drilling in this area for EM conductor base metal targets.

Tenure at Walabanba was originally held by Toro Energy Limited, which was exploring for paleochannel uranium mineralisation. TNG joint ventured into the ground to explore for base metals and analogues of the V-Ti-Fe mineralisation outlined at Mount Peake, some 30km to the east. Base metal targeting has been undertaken using geophysics, with HELITEM and ground-based Fixed Loop EM surveys completed (see TNG ASX Release – 21 July 2014).

At **EM Target 1c**, four discrete anomalies were outlined by a previous ground Fixed Loop EM (FLEM) survey (Figure 5) that are centred on the original HELITEM conductor with a coincident aeromagnetic high. Anomalies A and B are located along the southern flank of a central ground polarisation (EM negative) zone, and have strong late-time responses. Anomaly C is a 500 Siemens south-dipping late-time plate, while Anomaly D is a circular mid-time feature. All anomalies will be tested by four holes.

FLEM interpretation covering the **two adjacent but discrete EM conductor targets (5b and 5c)** initially outlined from the HELITEM survey (Figure 6) suggests that two moderately conductive bodies are present, with three holes planned to test the potential for base metal mineralisation. A single RC hole will test the mid-time anomaly at **EM Target 1d**.

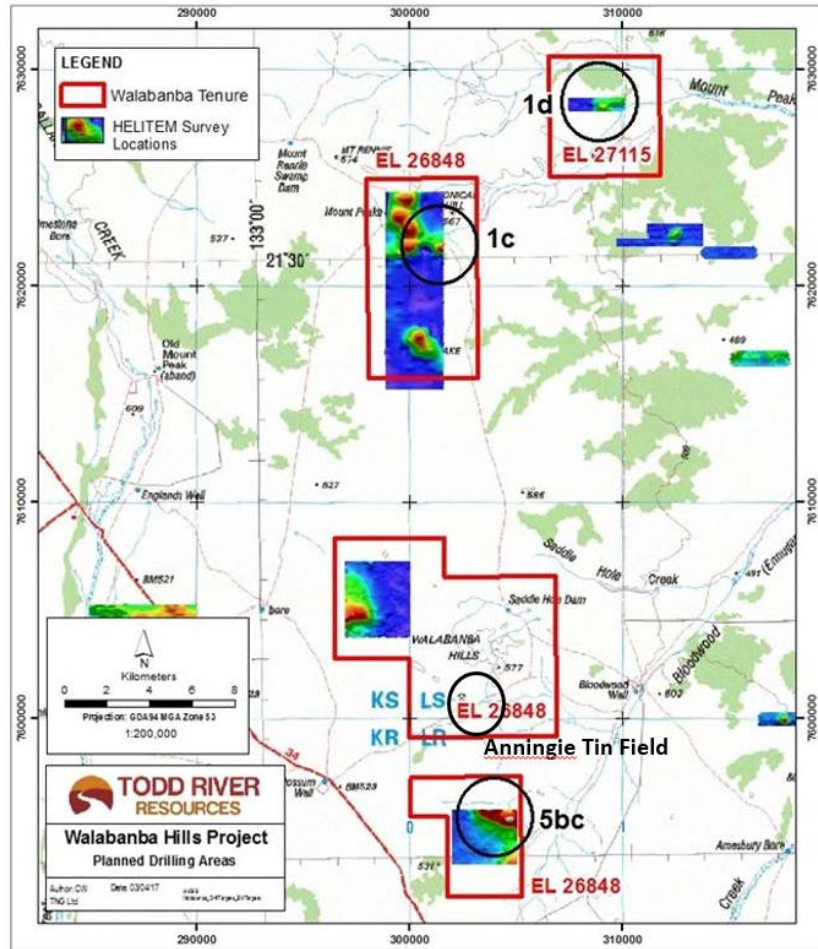


Figure 4. Location diagram for the Walabanba Project showing the HELITEM and FLEM data and the areas to be drilled through July 2017. The Anningie Tin Field location is also shown.

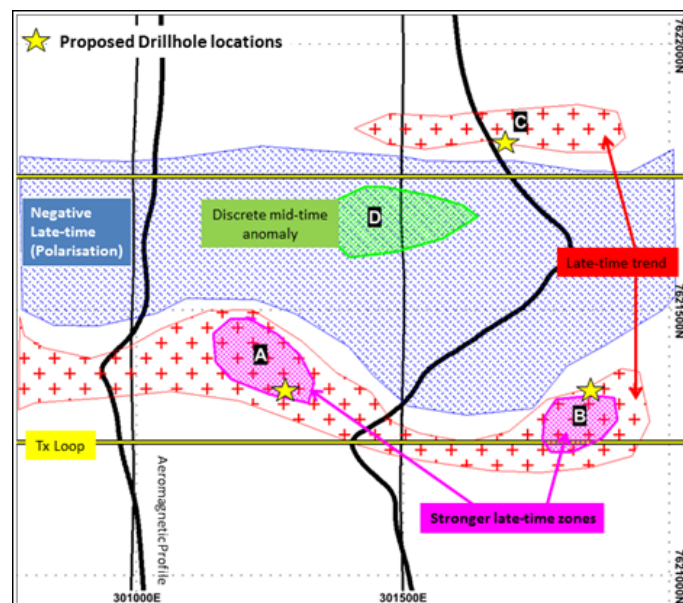


Figure 5. Walabanba Project EM Target 1c survey area and interpretation, showing four separate conductive anomalies (A, B, C, and D).

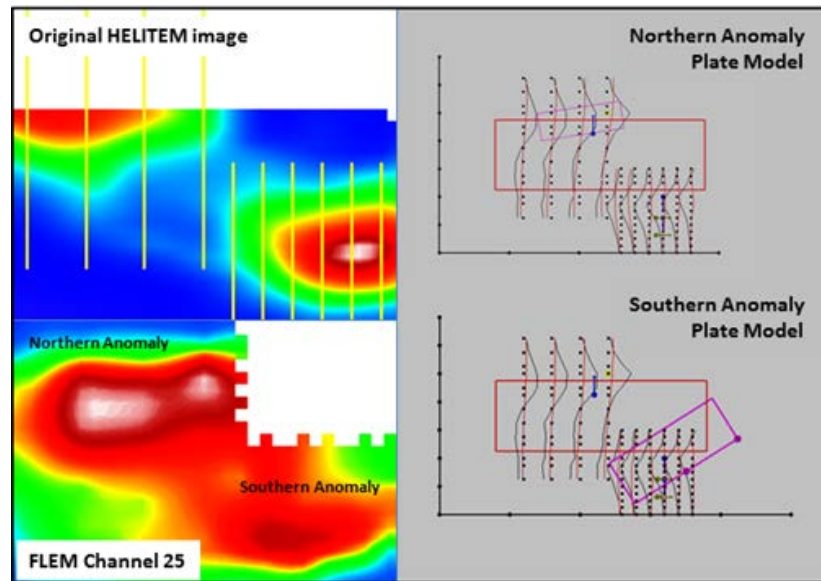


Figure 6. Composite of images from the Walabanba EM surveys at Target 5b/c.

Anningie Tin Field – Lithium Exploration

Geological mapping and sampling will also be conducted on the southern parts of the Anningie Tin Field in the September Quarter, which is considered to be highly prospective for pegmatite-hosted lithium (Sn-Ta) mineralisation. The entire Anningie Tin Field falls within Todd River's 100%-owned EL 26848 (Figure 4).

The Anningie Field was mined for alluvial tin and tantalum between 1935 and 1973 and produced around 35 tonnes of tin concentrate, making it the fifth largest producer in the Northern Territory. The tin field lies in the Walabanba Hills on Anningie Station, some 240km NNW of Alice Springs.

Historical mining was of both alluvial gully material and colluvial/elluvial (soil) material shedding off a number of pegmatite bodies. The main area of working and production was the Reward claim, with three other prospects named with some mining indicated. There are only minor diggings, to two metres depth, on the exposed pegmatite host rock, and likely negligible mining/production from the pegmatite.

The Anningie field has had no lithium-specific exploration conducted to date. Alluvial tin was discovered in 1935 by station workers and most production from the field was during the period to 1939 (70% of the total). Exploration during the late 1970s to early 1980s was aimed at proving up an alluvial tin resource and involved shallow (<2m) auger drilling and systematic front end-loader "scapes".

Sampling (three rock samples from Reward) by the Northern Territory Geological Survey (NTGS) in the early 2000s highlighted the potential of the field (see NTGS Report 16, 2005, K. M Frater). Based on the major and trace element chemistry the **NTGS Reward samples clearly have the most favourable chemistry of all the northern Arunta region pegmatites.**

Samples were mineralised with average values of 747ppm Li, 1438ppm Sn and 3185ppm Ta, while also having highly elevated caesium 703ppm Cs, rubidium 8250ppm Rb, and gallium 229ppm Ga.

These samples indicated **the Reward pegmatite host, on EL 26848, is of the LCT (Li-Cs-Ta) Type**, which is the pegmatite classification type most prospective for economic Lithium (Sn-Ta) mineralisation.

The only drilling conducted on the field was by the NTGS in 1973 at the Bismark Prospect about 1.5km south of Reward and within EL 26848. Five shallow diamond holes (for 130.2m) were



drilled (see ASX Release 11 July 2017 for full details) to test the depth potential of the pegmatite, which had surface tin showings from rock and trench sampling.

Results were reported, in NTGS Technical Report 1974-007, including: **1.3m @ 0.525% Sn** in DDH2A from 1.37 to 2.67m depth, **0.77m @ 0.12% Sn** in DDH3 from 5.63 to 6.40m, and **0.69m @ 0.15% Sn** in DDH5 from 7.31 to 8.00m. Elements analysed were Sn and Ta, with some intervals also analysed for Cu, Ni, and Co. No analyses were made for lithium.

Todd River has re-logged and re-sampled this core (stored in the NTGS Core Library in Alice Springs). This work is outlined in the Company's ASX Announcement dated 11 July 2017. Portable XRF analysis was used to characterise the pegmatite and screen samples for laboratory ICP analysis. pXRF analysis of this core indicated the pegmatite was enriched in tin and tantalum over the intervals indicated in Table 2 below.

Table 2. Significant portable XRF results from 1974 NTGS Bismark drilling.

Drill Hole	Interval with >100ppm Ta and >50ppm Sn			Maximum Values		Comment
	From (metres)	To (metres)	Interval	Sn	Ta	
DDH1						No pegmatite logged
DDH2A	0.00	2.25	2.25	350	181	
DDH3	2.00	6.25	4.25	167	195	
DDH4						No significant mineralisation
DDH5	0.00	7.50	7.50	794	615	

Cautionary Statement: All chemical analyses results quoted in Table 1 are from a portable XRF analyser. As such they may not be representative of the whole sample, nor should they be seen as a suitable substitute for laboratory based chemical analysis.

Laboratory analysis of selected intervals of this core returned results shown on Table 3, while all results for the elements discussed below are reported in the Company's ASX Announcement dated 11 July 2017.

The **highest lithium result was 470ppm Li (0.10% Li₂O)**. Tin results were anomalous with a maximum value of 122ppm Sn noted from Hole DDH5. In addition, significant caesium was noted, with Hole DDH3 having **11.0m @ 459ppm Cs** from surface and Hole DDH5 having **4m @ 595ppm Cs** from 5m. Rubidium, another element enriched in some pegmatite had a maximum value of 2770ppm coincident with the highest tin, caesium (933ppm Cs) and lithium value.

Table 3. Significant laboratory ICP results from Bismark drilling.

Drill Hole	Interval with >50ppm Ta			Average	Maximum
	From (metres)	To (metres)	Interval	Ta	Li (ppm)
DDH1					193
DDH2A	0.00	3.00	3.00	208	215
DDH3	5.00	7.00	2.00	64	297
DDH4					156
DDH5	0.00	5.00	5.00	89	470

These results, while not of economic grades, do indicate **the pegmatite at Bismark is also of the LCT type, and has potential to host lithium-related mineralisation**. The 1973 NTGS drilling only covers a strike length of 120 metres on a pegmatite that is mapped over 260 metres, and so there is further scope within the Bismark area for Li-Sn-Ta mineralisation. This will be explored over the coming weeks.

CORPORATE

Executive Recruitment Search for CEO

The executive recruitment search for a Chief Executive Officer continued during the reporting period, and an announcement regarding an appointment will be made in due course.



Mr Paul Burton (Managing Director of TNG Ltd) will remain as Technical Director to oversee the Company's exploration initiatives until a suitable candidate can be found.

New broker research

New research reports were issued during the reporting period by Independent Investment Research and Sanlam Private Wealth. These reports are available to download from the Company's website, www.trrltd.com.au > Investor Centre > Reports.

Cash position

Todd River Resources had total cash reserves of \$ 4.1 million at Quarter-end.

Paul E Burton
Technical Director

26 July 2017

Competent Person Statement

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

- "Todd River commences inaugural drilling program" lodged on 7 April 2017;
- "Further Copper Sulphides Intersected at Mount Hardy" lodged on 5 May 2017;
- "First Assay Results - Mount Hardy Drilling" lodged on 23 May 2017;
- "Drilling Update" lodged on 26 June 2017; and
- "Walabanba Drilling Programme Commences" lodged on 11 July 2017.

which are available to view at www.trrltd.com.au and 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.



Tenement Schedule

The Group holds an interest in the following tenements or tenement applications at 30 June 2017:

Project	Tenements	Equity
McArthur River	EL27711, EL28509, EL30085	100%
Croker Island	ELA29164	100%
Mount Hardy	EL27892, EL29219, EL28694	100%
Manbarrum JV	A24518, A26581, EL24395, EL25646, MLA27357	100%
Sandover	ELA29252, ELA29253	100%
Tomkinson	EL30348, EL30359, EL31265	100%
Soldiers Creek	EL31209	100%
Stokes Yard	EL30131	100%
Walabanba Hills	EL26848, EL27115	100%
Warramunga/Rover JV	EL25581, ELA25582, ELA25587, MLC647	100% (Farm in agreement)
Peterman Ranges	ELA26383, ELA25564, ELA26384, ELA25562, ELA26382	100% (Farm in agreement)
Goddard's	ELA24260	100% (Farm in agreement)

Forward-Looking Statements

This announcement has been prepared by Todd River Resources Ltd. This announcement is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained.

This is for information purposes only. Neither this nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of Todd River Resources Ltd shares in any jurisdiction.

This does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments.

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This may include forward looking statements. Forward looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Todd River Resources Ltd. Actual values, results or events may be materially different to those expressed or implied.

For more information please see the company's website at www.trr ltd.com.au

Appendix 5B

Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/13, 01/09/16

Name of entity

Todd River Resources Ltd

ABN

45 600 308 398

Quarter ended ("current quarter")

30 June 2017

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(726)	(726)
(b) development	-	-
(c) production	-	-
(d) staff costs	(136)	(136)
(e) administration and corporate costs	(293)	(293)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	18	18
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Research and development refunds	-	-
1.8 Other (provide details if material)	-	-
1.9 Net cash from / (used in) operating activities	(1,137)	(1,137)
2. Cash flows from investing activities		
2.1 Payments to acquire:		
(a) property, plant and equipment	-	-
(b) tenements (see item 10)	-	-
(c) investments	-	-
(d) other non-current assets	-	-

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
2.2 Proceeds from the disposal of:		
(a) property, plant and equipment	-	-
(b) tenements (see item 10)	-	-
(c) investments	-	-
(d) other non-current assets	-	-
2.3 Cash flows from loans to other entities	-	-
2.4 Dividends received (see note 3)	-	-
2.5 Other (provide details if material)	-	-
2.6 Net cash from / (used in) investing activities	-	-

3. Cash flows from financing activities		
3.1 Proceeds from issues of shares	-	6,000
3.2 Proceeds from issue of convertible notes	-	-
3.3 Proceeds from exercise of share options	1	1
3.4 Transaction costs related to issues of shares, convertible notes or options	(381)	(381)
3.5 Proceeds from borrowings	-	-
3.6 Repayment of borrowings	-	-
3.7 Transaction costs related to loans and borrowings	-	-
3.8 Dividends paid	-	-
3.9 Other (Repayment of IPO related costs to TNGLtd as per agreement)	(300)	(300)
3.10 Net cash from / (used in) financing activities	(680)	5,320

4. Net increase / (decrease) in cash and cash equivalents for the period		
4.1 Cash and cash equivalents at beginning of period	6,000	-
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(1,137)	(1,137)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4 Net cash from / (used in) financing activities (item 3.10 above)	(680)	5,320
4.5 Effect of movement in exchange rates on cash held	-	-
4.6 Cash and cash equivalents at end of period	4,183	4,183

5. Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1 Bank balances	4,156	6,000
5.2 Call deposits	27	-
5.3 Bank overdrafts	-	-
5.4 Other (provide details)	-	-
5.5 Cash and cash equivalents at end of quarter (should equal item 4.6 above)	4,183	6,000

6. Payments to directors of the entity and their associates

- 6.1 Aggregate amount of payments to these parties included in item 1.2
- 6.2 Aggregate amount of cash flow from loans to these parties included in item 2.3
- 6.3 Include below any explanation necessary to understand the transactions included in items 6.1 and 6.2

Current quarter \$A'000
129
-

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7. Payments to related entities of the entity and their associates

- 7.1 Aggregate amount of payments to these parties included in item 1.2
- 7.2 Aggregate amount of cash flow from loans to these parties included in item 2.3
- 7.3 Include below any explanation necessary to understand the transactions included in items 7.1 and 7.2

Current quarter \$A'000
-
-

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Mining exploration entity and oil and gas exploration entity quarterly report

8. Financing facilities available <i>Add notes as necessary for an understanding of the position</i>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
8.1 Loan facilities	-	-
8.2 Credit standby arrangements	-	-
8.3 Other (please specify)	-	-
8.4 Include below a description of each facility above, including the lender, interest rate and whether it is secured or unsecured. If any additional facilities have been entered into or are proposed to be entered into after quarter end, include details of those facilities as well.		

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9. Estimated cash outflows for next quarter	\$A'000
9.1 Exploration and evaluation	(650)
9.2 Development	-
9.3 Production	-
9.4 Staff costs	(116)
9.5 Administration and corporate costs	(150)
9.6 Other (provide details)	-
9.7 Total estimated cash outflows	(916)

10. Changes in tenements (items 2.1(b) and 2.2(b) above)	Tenement reference and location	Nature of interest	Interest at beginning of quarter	Interest at end of quarter
10.1 Interests in mining tenements and petroleum tenements lapsed, relinquished or reduced				
10.2 Interests in mining tenements and petroleum tenements acquired or increased				

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Sign here:



Date: 26 July 2017

Print name: Simon Robertson
(Company secretary)

Notes

1. The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
2. If this quarterly report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.