

## **JUNE 2019 QUARTERLY ACTIVITIES REPORT**

### **HIGHLIGHTS**

#### **EXPLORATION**

- **Maiden Mineral Resource estimate for the Hendrix copper-zinc deposit of 2.6 Mt @ 10.5% Zn equivalent released subsequent to the end of the Quarter**
- **Drilling of the high grade central zone of the Hendrix deposit continued to return excellent results**
- **Ground-based EM surveying covering the Browns prospect area and strike extensions to the south completed with subtle conductors identified**
- **Drilling completed at the Rover project at Tennant Creek**

#### **CORPORATE**

- **Cash balance at the end of the Quarter of A\$1,457,000**
- **Completion of the Small Shareholding Sale facility on 29 April**

The June Quarter saw Todd River Resources (ASX:TRT) continue field work in the Northern Territory (NT) with drilling at both the Mt Hardy and Rover Projects (Figure 1). Exploration primarily focussed on the Hendrix deposit at Mt Hardy with targeted drilling expanding the mineralisation footprint prior to the cut-off for resource estimation purposes in mid-June.

Additional targets within the Mt Hardy Project were also drilled at both the Lennox and Browns Prospects where previous drilling has identified sporadic base metal mineralisation. Further new areas continue to be assessed with mapping, prospecting, ground-based electromagnetic (EM) surveys and drilling planned for later in the year.

Drilling was completed at the Rover gold prospect and was part funded through the NT Government's Geophysics and Drilling Collaboration Program. Results from the two holes completed returned only background gold values in assays.

The Company closed the Small Shareholding Sale Facility on April 29 following the announcement on March 14 that the Company had created a facility for shareholders who met the criteria to sell their shares without incurring brokerage or handling costs.

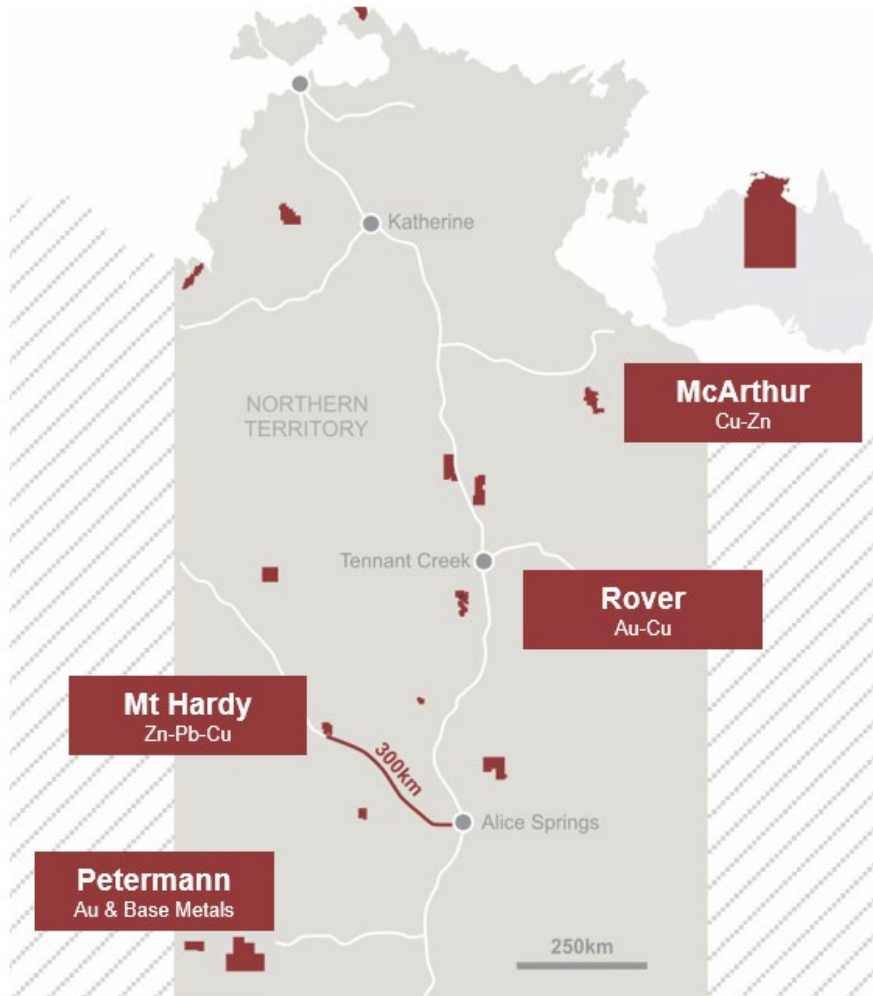


Figure 1. Todd River Resources project portfolio in the Northern Territory

## EXPLORATION

### Mount Hardy Copper-Zinc Project (100% TRT) – Figure 2

#### Maiden Mineral Resource

Subsequent to the end of the Quarter, the Company released its Maiden Mineral Resource estimate for the Hendrix Deposit on July 9 of **2.6 million tonnes at 10.5% zinc-equivalent\***. The Resource, which comprises 6.7% zinc, 0.9% copper, 1.5% lead and 35 g/t silver, has approximately **175,000 tonnes of contained zinc, 22,500 tonnes of contained copper, 40,000 tonnes of contained lead and 2.9 million ounces of contained silver** (at a 1.5% Zn cut-off) (see Table 1). Full description of the resource estimation methods and details can be read in the ASX release of July 9.

The geological wireframe that the resource estimate is based upon is shown in Figure 3.

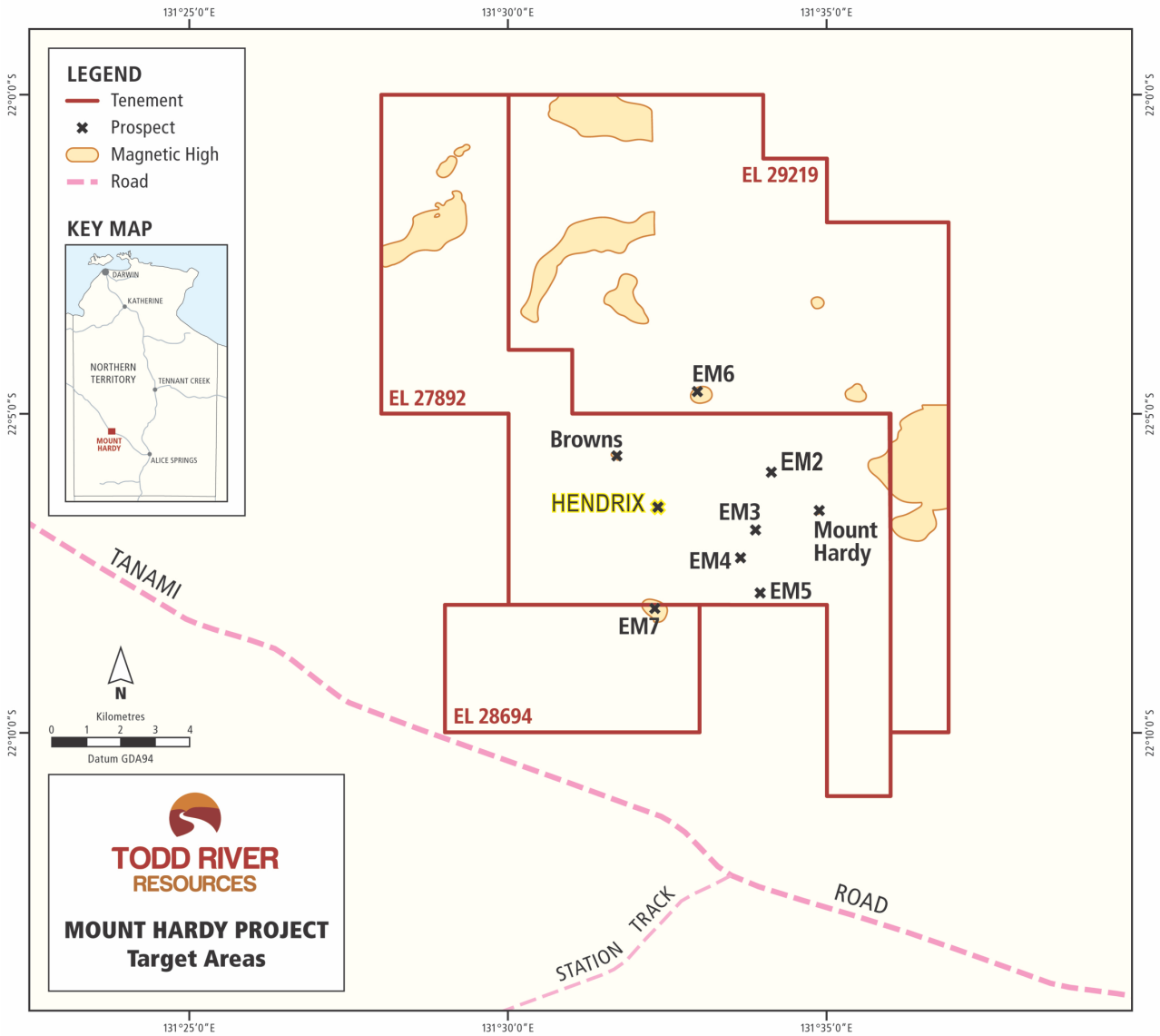


Figure 2 - Mt Hardy Project showing the Hendrix Prospect and other target areas

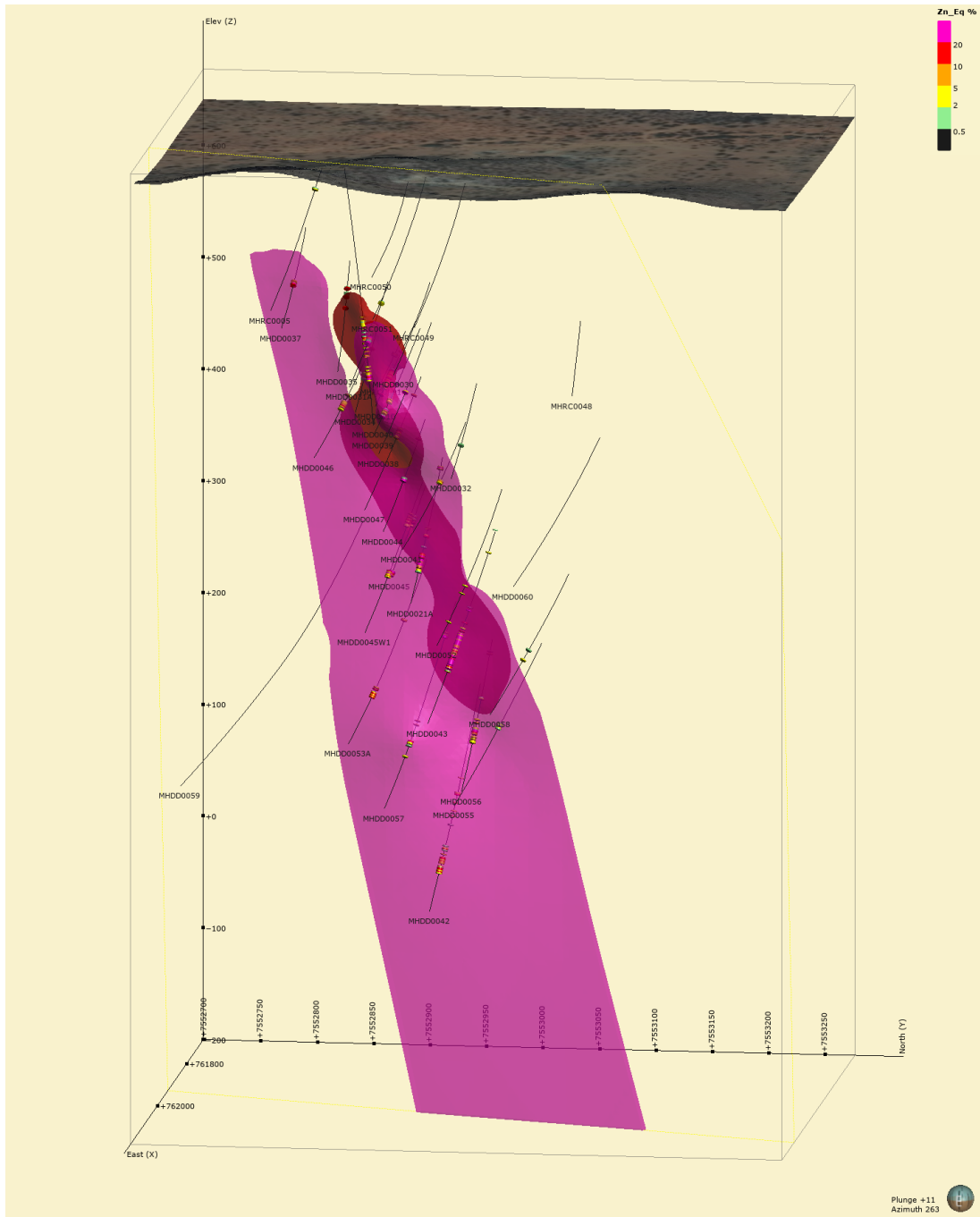


Figure 3 – Mt Hardy Project, Hendrix Resource wireframes and drilling looking west.



**Table 1. Hendrix Inferred Resource statement**

Cutoff Zn %	Tonnage	Metal Grade					Metal Tonnes			
		ZnEq %	Zn %	Cu %	Pb %	Ag g/t	Zn (t)	Cu (t)	Pb (t)	Ag (oz)
0.5	2,700,000	10.3	6.5	0.9	1.5	34	176,000	23,200	40,000	3,000,000
1.0	2,600,000	10.4	6.6	0.9	1.5	34	175,000	22,700	40,000	2,900,000
<b>1.5</b>	<b>2,600,000</b>	<b>10.5</b>	<b>6.7</b>	<b>0.9</b>	<b>1.5</b>	<b>35</b>	<b>175,000</b>	<b>22,500</b>	<b>40,000</b>	<b>2,900,000</b>
2.0	2,500,000	10.7	6.8	0.9	1.6	35	173,000	22,000	40,000	2,900,000
2.5	2,500,000	10.8	7.0	0.9	1.6	35	172,000	21,500	39,000	2,800,000
3.0	2,400,000	11.0	7.1	0.9	1.6	36	170,000	21,100	38,000	2,800,000
3.5	2,300,000	11.2	7.2	0.9	1.6	36	167,000	20,600	37,000	2,700,000
4.0	2,200,000	11.5	7.5	0.9	1.6	37	162,000	19,900	35,000	2,600,000
4.5	2,000,000	12.0	7.8	1.0	1.7	39	153,000	18,800	34,000	2,400,000
5.0	1,700,000	12.7	8.2	1.0	1.8	41	142,000	17,300	32,000	2,300,000

\*Note: Zinc Equivalent (ZnEq%) is based on the following formula:

$$\text{ZnEq \%} = \text{Zn\%} + (\text{Cu\%} \times (5900/2550)) + (\text{Pb\%} \times (1900/2550)) + (\text{Ag ppm} \times ((15/31.103475)/(2550/100)))$$

Where: Zn = \$2,550 USD/ tonne

Cu = \$5,900 USD / tonne

Pb = \$1,900 USD / tonne

Ag = \$15 USD / ounce

Appropriate rounding has been applied.

For full description and accompanying JORC Tables refer to ASX announcement lodged 9 July 2019.

## **Exploration Drilling**

### **Hendrix Prospect**

Drilling at Hendrix continued through the Quarter until early June when drilling moved to the Lennox and Browns prospects. Approximately 5,000m of RC and diamond drilling was completed during the quarter in line with the forecast work program. Full listings of drill holes completed can be found in various announcements released to ASX during the Quarter.

Initially the program focussed on an area south and below MHDD0043, which intersected a broad zone of mineralisation in 2018. Analytical results from holes in this area, including MHDD0053A (the southern-most hole drilled to date), returned **10.53m @ 6.44% Zn, 0.86% Pb and 0.17% Cu** from 494m down-hole, including **4.67m @ 11.13% Zn, 0.83% Pb and 0.83% Cu** from 499.86m down-hole and hole MHDD0056 MHDD0056 which returned **3.04m @ 18.0% Zn, 3.0% Cu, 6.2% Pb, 148g/t Ag** from 519.16m down-hole within a broader zone of **22.2m @ 31g/t Ag, 0.7% Cu, 1.1% Pb and 3.7% Zn** from 509m. The MHDD0053A intersection represents a 90m step out south along strike from MHDD0043 and over 100m down dip from hole MHDD0045.

Further results from holes completed in May at the Hendrix prospect include the intersection of a well developed hangingwall position in hole MHDD0057 of **6.30m @ 1.5% Cu, 2.2% Pb, 7.5% Zn and 34g/t Ag from 434.7m**. The hangingwall zone intersected in this hole is significantly thicker and in a position (100m above the main zone) not seen elsewhere in the mineralised zone, raising the possibility that this intersection is part of a previously unidentified zone of mineralisation.

### **Lennox Prospect**

Two holes were completed at Lennox to test the undrilled off-hole conductor plate (a modelled plate 240m x 120m with moderate conductance of ~1200S identified in 2018 drilling). Results were similar to what has previously been intersected at Lennox.

Hole MHDD0062 intersected multiple narrow zones of stringer and breccia mineralisation with the pierce point of the EM plate at 378m down-hole, coincident with a narrow (85cm) zone of brecciated mineralisation with pyrrhotite. Assay results are pending for this hole, however base metal sulphides similar in appearance to other holes drilled at Lennox were also intersected between 272-274m.

Hole MHDD0063 was drilled to target a deeper part of the EM plate and also intersected narrow zones of stringer and brecciated sulphides (up to 5.6m down-hole). The pierce point was again coincident with a zone of stringer mineralisation. Assay results are pending.



### **Browns Prospect**

Three holes have been completed at the Browns Prospect targeting the down-dip projection of surface workings that are coincident with a number of chargeability shells generated from the 2013 IP survey. The figure below, looking north-east, shows the target area and drilling.

Both MHDD0064 and MHDD0065 intersected multiple zones of stringer and brecciated sulphides over widths of up to 6m down-hole within the targeted chargeability shells. Chalcopyrite, sphalerite and galena were all observed in the drill-holes, although not in the same thick accumulations that are seen 3km south at the Hendrix Prospect. Assay results from these holes are pending and downhole geophysics has been completed on MHDD0064 and MHDD0065.

MHDD0066, drilled into the northern end of the IP anomaly, did not intersect any significant mineralisation.

### **Regional Targets and Geophysics**

Moving loop and fixed-loop EM has been completed over the high-priority area between Browns and Hendrix and also over selected other areas where surface mineralisation has been observed or there are unexplained historical EM anomalies. Modelling is complete on the new data and some ground thruthing is in progress to reconcile the data with surface geology.

Further geological mapping has identified several new areas of outcropping mineralisation including an area between Hendrix and Browns where old workings are co-incident with a subtle EM conductor that is currently being modelled.

### **Other Projects**

#### **Rover Gold Project**

Drilling of two holes at the 100%-owned Rover Gold Project was completed in late May. No significant gold was intersected in the drilling, however encouraging signs of strong hematite/chlorite alteration could place the profile in a proximal zonation to a Tennant Creek-style IOCG deposit.

#### **Petermann Range Project**

At Petermann Range negotiations with the Traditional Owners to finalise an Exploration Agreement continues to be progressed with the aim of completion by the end of the September Quarter. The agreement, which sets out the conditions for the Company to explore the tenements, is required prior to the commencement of on-ground exploration.

## **CORPORATE**

### **Cash Position**

Todd River Resources had total cash reserves of \$1,457,000 at Quarter-end.

### **Small Shareholding Sale Facility**

The Company closed the Small Shareholding Sale Facility on April 29<sup>th</sup> following the original announcement of March 14 that the company had created the facility for Shareholder who met the criteria to sell their shares without incurring brokerage or handling costs.

In total 1,959 Shareholders elected to have their shares sold using the Facility with a total of 1,200,335 Shares sold. There were 187 eligible Shareholder who elected to retain their unmarketable holdings or top up their holding to give it a marketable value.



**Will Dix**  
Managing Director

25 July 2019

### **Competent Person Statements**

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

- “Small Shareholding Sale Facility”, Lodged on 14 March 2019;
- “Diamond Drilling Update – Mt Hardy Project”, lodged on 9 April 2019;
- “Exploration and Drilling Update – Mt Hardy”, lodged on 6 May 2019;
- “Exploration Update”, Lodged on 13 June 2019;
- “Maiden Mineral Resource Estimate at Mt Hardy”, lodged on 10 July 2019.

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.

### **About Todd River Resources**

Todd River Resources (ASX: TRT) is an Australian-based resources company that has recently announced a Maiden Mineral Resource at the Hendrix deposit at its 100% owned Mt Hardy Project, located 300km north west of Alice Springs.

With a strong management team, tight capital structure and fully funded for exploration in 2019, Todd River is well placed to pursue additional base metal mineralisation at Mt Hardy and progress exploration activities across its exploration portfolio.

While Todd River’s main focus is at Mt Hardy, the Company holds an extensive precious and base metal project portfolio which includes the Rover gold project, the McArthur Copper-Zinc project, the Peterman Range project and the large Manbarrum Zinc resource.



## Tenement Schedule

The Group holds an interest in the following tenements or tenement applications at 31 December 2017:

Project	Tenements	Equity
McArthur River	EL27711, ELA28509, EL30085, ELA31703, ELA31704	100%
Croker Island	ELA29164	100%
Mount Hardy	EL27892, EL29219, EL28694	100%
Manbarrum JV	MA24518, MA26581, EL24395, EL25646, MLA27357	100%
Sandover	ELA29252, ELA29253	100%
Tomkinson	EL30348, EL30359, EL31265	100%
Soldiers Creek	EL31209	100%
Stokes Yard	EL30131	100%
Walabanba Hills	EL26848,	100%
Warramunga/Rover JV	EL25581, ELA25582, ELA25587, MLC647	100%
Peterman Ranges	ELA26383, ELA25564, ELA26384, ELA25562, ELA26382	100%
Goddard's	ELA24260	100%

### 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.

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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.trrltd.com.au](http://www.trrltd.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 Limited

**ABN**

45 600 308 398

**Quarter ended ("current quarter")**

30 June 2019

<b>Consolidated statement of cash flows</b>	<b>Current quarter \$A'000</b>	<b>Year to date (12 months) \$A'000</b>
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(1,861)	(4,767)
(b) development	-	-
(c) production	-	-
(d) unallocated staff costs	(137)	(561)
(e) administration and corporate costs	(145)	(971)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	20	42
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Research and development refunds	-	-
1.8 Other Debtor -TNG Ltd	-	35
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(2,123)</b>	<b>(6,222)</b>

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire:		
(a) property, plant and equipment	(17)	(142)
(b) tenements (see item 10)	-	-
(c) investments	-	-
(d) other – Security deposit	9	(96)
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)	-	-
<b>2.6 Net cash from / (used in) investing activities</b>	<b>(8)</b>	<b>(238)</b>

<b>3. Cash flows from financing activities</b>		
3.1 Proceeds from issues of shares	-	7,194
3.2 Proceeds from issue of convertible notes	-	-
3.3 Proceeds from exercise of share options	-	-
3.4 Transaction costs related to issues of shares, convertible notes or options	-	(518)
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	-	-
<b>3.10 Net cash from / (used in) financing activities</b>	<b>-</b>	<b>6,676</b>
<b>4. Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1 Cash and cash equivalents at beginning of period	3,588	1,241
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(2,123)	(6,222)

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (12 months) \$A'000</b>
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(8)	(238)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	6,676
4.5	Effect of movement in exchange rates on cash held	-	-
<b>4.6</b>	<b>Cash and cash equivalents at end of period</b>	<b>1,457</b>	<b>1,457</b>

<b>5. Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$A'000</b>	<b>Previous quarter \$A'000</b>
5.1 Bank balances	957	588
5.2 Call deposits	500	3,000
5.3 Bank overdrafts		
5.4 Other (provide details)		
<b>5.5 Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>1,457</b>	<b>3,588</b>

**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**

143

-

Salaries and fees paid to directors in the quarter including superannuation.

7. <b>Payments to related entities of the entity and their associates</b>	Current quarter \$A'000
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	

8. <b>Financing facilities available</b> <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.		

9. <b>Estimated cash outflows for next quarter</b>	\$A'000
9.1 Exploration and evaluation	680
9.2 Development	-
9.3 Production	-
9.4 Staff costs	120
9.5 Administration and corporate costs	100
9.6 Other (provide details)	-
<b>9.7 Total estimated cash outflows</b>	<b>900</b>

## Mining exploration entity and oil and gas exploration entity quarterly report

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	N/A	N/A		
10.2	Interests in mining tenements and petroleum tenements acquired or increased	N/A	N/A		

**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: 25 July 2019

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.