

## SEPTEMBER 2019 QUARTERLY ACTIVITIES REPORT

### HIGHLIGHTS

#### EXPLORATION

- **7 new prospect areas identified for immediate drilling at Mt Hardy**
- **Combined base metal results up to 41% in rock chip samples**
- **Drilling approved to commence in October**

#### CORPORATE

- **Cash balance at the end of the Quarter of A\$1,31 million**
- **Placement completed in early September to raise \$1 million (before costs)**
- **Launch of fully underwritten 1 for 3 pro-rata entitlement offer to raise \$1,9 million (before costs) which completed subsequent to the quarter end**

The September Quarter saw Todd River Resources (ASX:TRT) continue field work in the Northern Territory (NT) with significant mapping and sampling programs completed across the Mt Hardy Project (Figure 1). Initial sampling focused along strike from the Hendrix resource and on parallel geological trends where a number of new targets were identified for immediate drilling.

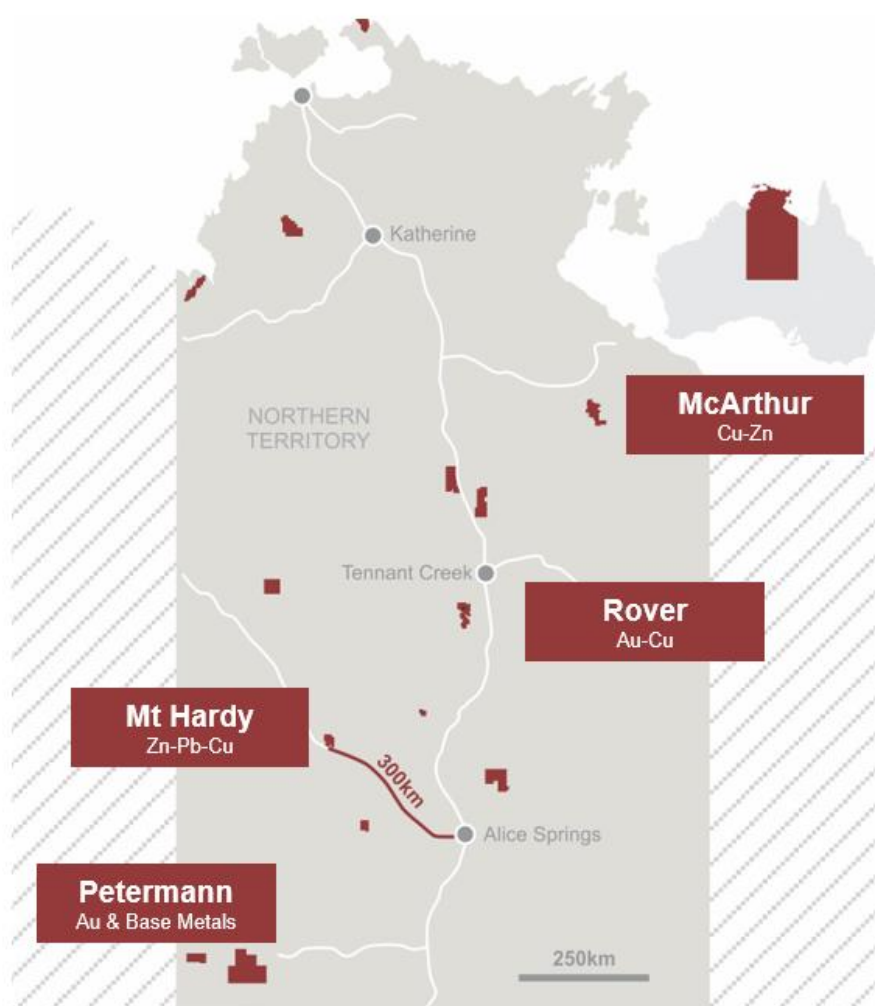
The Company also successfully raised significant capital for ongoing exploration via a placement and 1 for 3 entitlement offer, the latter which was completed subsequent to the end of the Quarter.

#### EXPLORATION

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

Work during the Quarter identified seven new areas of surface mineralisation across the project tenure through detailed mapping and systematic sampling around known prospects combined with reconnaissance mapping and prospecting over areas of outcrop and disturbance identified from high resolution satellite imagery.

The sampled material is similar to that found at the surface of Mt Hardy's Hendrix Prospect, where a small area of gossanous outcrop is the only surface manifestation of the underlying mineralisation that comprises the Hendrix Mineral Resource estimate of 2.6Mt at 10.5% zinc-equivalent (see ASX release dated July 9, 2019).



**Figure 1 - Todd River Resources project portfolio in the Northern Territory**

Assays of rock chip samples have returned grades of up to 41.4% combined base metals with the highest individual grades being **28.8% Cu, 29.9% Pb and 12.7% Zn**, all of which are associated with brecciated sulphide material in gossan form. Table 1 lists the Prospects currently being evaluated.

**Table 1 – New Prospects Identified at the Mt Hardy Project with next steps.**

Prospect	Priority	Next Phase	Comment
Hendrix South	1	Shallow Drilling	New area of outcrop with base metal mineralisation adjacent to Hendrix - Immediate drill target south of Hendrix resource
Hendrix NW	1	Shallow Drilling	High grade assays adjacent to Hendrix - Immediate drill target north west of Hendrix resource
Laver	2	Mapping/geophysics	Significant strike of gossanous material over 250m - similar geology to Hendrix. Detailed mapping required to determine strike extent and targeted geophysics prior to drilling in September.
Jack	2	Drilling	Subtle EM conductor associated with surface mineralisation - drill target
Franklin	3	Mapping/geophysics	High grade copper in breccia zones. Detailed mapping required to determine strike extent and targeted geophysics
Linda-Jane	2	Mapping/geophysics	Detailed mapping required to determine strike extent and targeted geophysics as first pass
Gilly	3	Mapping/geophysics	further mapping and sampling to determine extent of gossanous and breccia material in the area

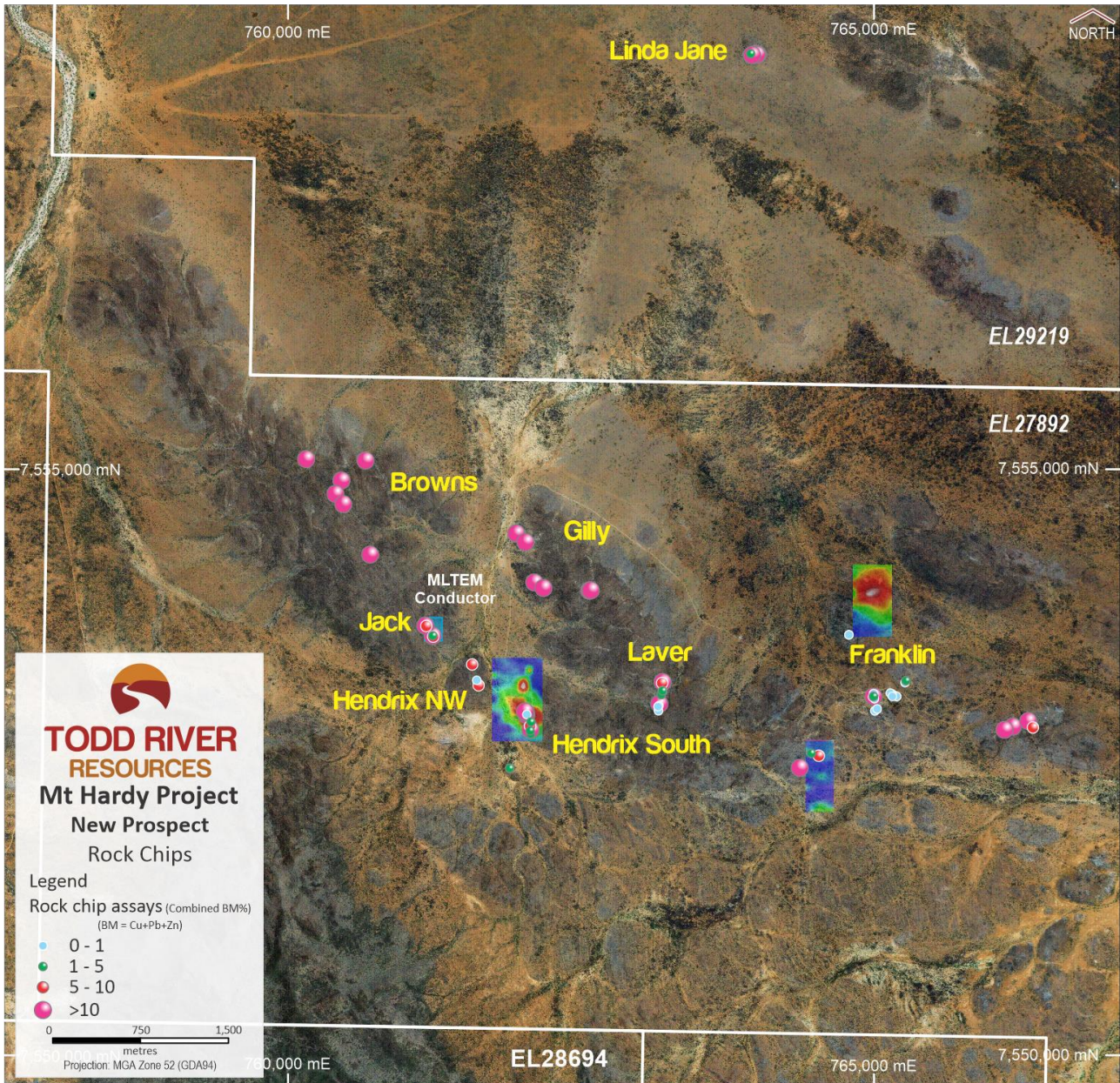


Figure 2 - Mt Hardy Project showing new Prospect Locations

### Hendrix Extension Targets (Figure 3)

#### Hendrix South

The main body of mineralisation delineated by drilling at Hendrix appears to be located at the nose of a large-scale antiformal fold that plunges very steeply to the west. The mineralisation post-dates the deformation, but appears to be preferentially-associated with a more rigid, quartz-rich unit that forms a prominent marker horizon within the stratigraphy.

Detailed mapping has traced this quartz-rich unit, which is complexly-folded, along strike from the main historic workings that are the surface expression of the Hendrix mineralisation both to the northwest and particularly to the south of the main historic workings. At this small pit, the mineralisation comprises undeformed, haematite and goethite-dominated breccias with clasts of quartz-rich material and local minor pegmatite.



To the south of the main historic workings, the same quartz-rich marker horizon was mapped over a strike of more than 100m. This unit is locally folded into a series of small-scale antiformal and synformal structures associated with further exposures of haematite-goethite breccia. Rock chip sampling of this material recorded assays results up to **4.2% Zn, 8.17% Pb, 2.59% Cu, 89 g/t Ag and 514 ppm Bismuth.**

### **Hendrix North West**

Detailed mapping to the north-west of the main Hendrix mineralisation also identified similar breccia-style mineralisation associated with the quartz-rich marker horizon observed to the south. Several small historic prospecting pits located on breccia associated with this unit about 100m to the northwest of the historic workings recorded assay results up to **10.1% Zn, 25.4% Pb, 10.1% Cu, 858 g/t Ag and 1,884 ppm Bismuth.** This area has not been drill tested adequately.

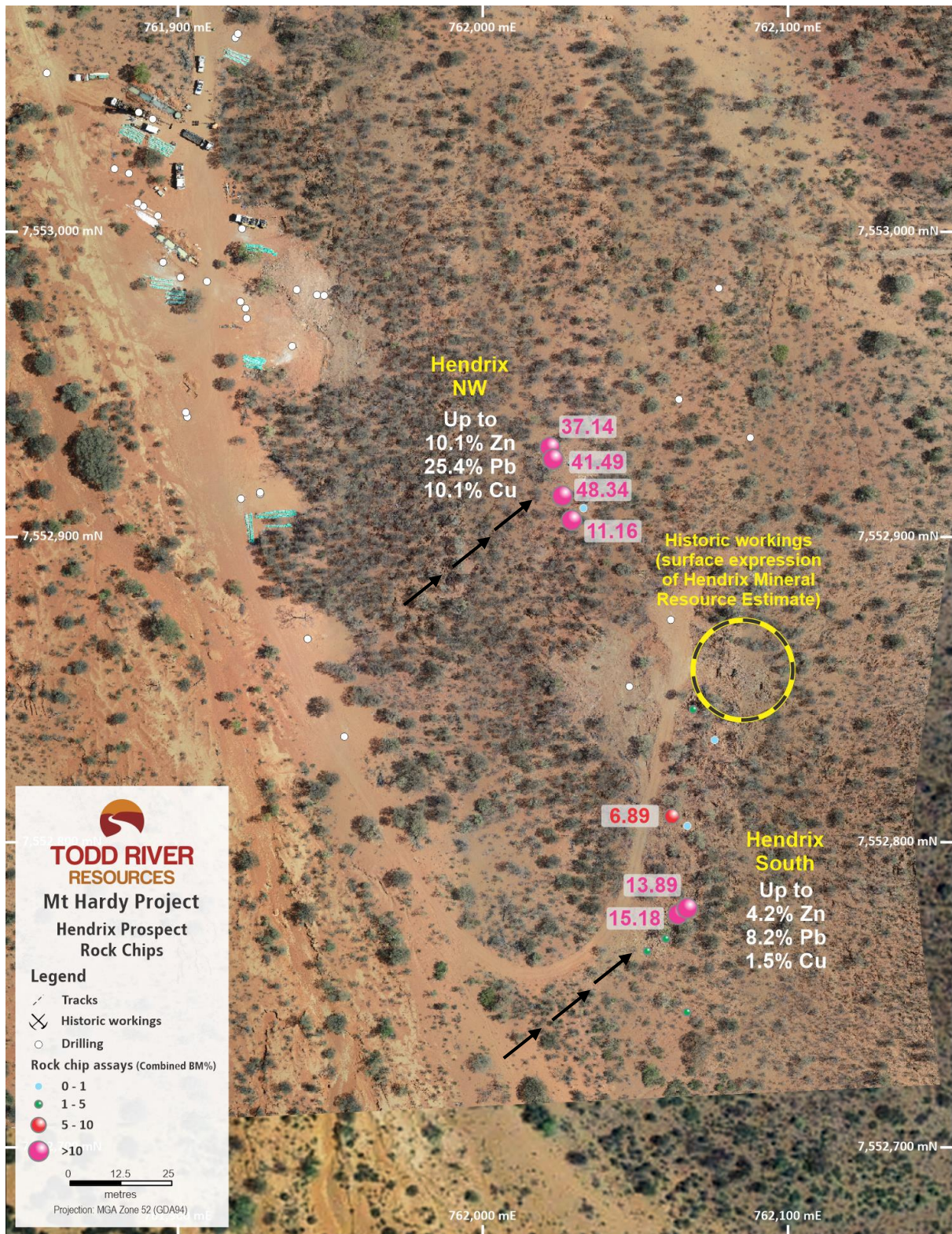


Figure 3 – Plan of the Hendrix area showing new surface mineralisation found at Hendrix South and Hendrix North west and proposed drillholes.



## Gilly

At Gilly (Figure 4), extensive surface breccia, in places associated with pegmatites, has been mapped over several hundred metres of parallel zones. All samples taken from the prospect have returned assays of >20% combined base metals.

Drilling at Gilly is designed to test two of the parallel zones of surface mineralisation identified in mapping and sampling to determine the extent of the continuity of the mineralisation below surface. Approximately 6-8 holes will be drilled at Gilly, up to a total of 1,000m.



**Figure 4 – Gilly Prospect showing the rock chip samples with combined base metal grades and the drilling focus for the September drilling program.**

## Laver

At the Laver prospect, a north-northeast trending, haematite-goethite-quartz breccia body is associated with a quartz-rich horizon (similar to the Hendrix deposit). The breccia body extends over a strike extent of more than 250 metres.

A shallow historic prospecting pit localised on malachite-stained breccia is located at the northern extent of the prospect and is likely the occurrence identified by the BMR in 1968. Minor historic prospecting evidence also occurs within the breccia 100m to the north of this pit.



Limited rock chip sampling along the strike extent of the breccia body recorded assay results of up to **12.7% Zn, 7.9% Pb, 3.1% Cu, 154 g/t Ag and 473 ppm Bismuth**. Of significance, the Laver prospect also records several strongly anomalous Au results to a peak of **0.35 g/t Au**.

Further work is required to determine the exact extent of the breccia, with the current known dimensions not being the known limits of exposure. No previous drilling has been completed on the Laver Prospect.

### ***Jack***

An unnamed historic Cu occurrence identified by the BMR was identified about 1.2 km to the northwest of the Hendrix deposit (Figure 1). On field inspection, two separate mineral occurrences were identified more than 100m apart, hosted within different stratigraphic levels, however given their close proximity to each other, both zones are treated here as a single occurrence named the Jack prospect.

The northern part of the Jack prospect comprises a series of historic workings extending over a strike of about 40m, including one small pit excavated to a depth of about 3m. The workings are localised on a haematite-goethite-quartz breccia that is up to 2m wide which appears to be developed adjacent to a deformed quartz vein entrained within a zone of strong shearing.

The southern part of the prospect comprises a stope-like excavation, about 1m wide extending over a distance of about 5m.

Rock chip sampling of both the northern and southern parts of the Jack prospect recorded assay results up to **1.5% Zn, 1.8% Pb, 14.6% Cu, 149 g/t Ag and 1,155 ppm Bismuth**. Significantly, the limited rock sampling recorded highly anomalous Au results of up to **0.91 g/t Au** from the Jack prospect. No previous drilling has been completed on the Jack Prospect and there is a subtle EM conductor associated with this area.

### ***Franklin***

An unnamed historic Cu occurrence mapped by the BMR was identified about 3.0 km to the east of the Hendrix deposit (Figure 1) and is termed the Franklin prospect. Upon examination, the occurrence consisted of several small shallow pits and diggings, mostly located on malachite-rich, haematite-goethite-quartz breccias over a strike of more than 150m.

The full extents of the breccia exposed have yet to be defined, but appear to be associated at or near the margins of a series of pegmatite intrusions. Limited rock chip sampling recorded assay results up to **2.0% Zn, 1.2% Pb, 13.3% Cu, 145 g/t Ag and 404 ppm Bismuth**.

Further work is required to determine the extent and potential of the breccia unit as it goes under transported cover to the north.

### ***Linda-Jane***

At Linda-Jane, several small prospecting pits containing oxide copper and other base metals in the form of gossans extend over a strike length of approximately 100m before the outcrop disappears under cover to the north and south.

Assay results for the rock chips taken in this location returned values up to **33.9% combined base metals and 0.45g/t gold**.



## **Previously Drilled Prospects**

### **Lennox Prospect**

Assay results have been received from the two holes completed at Lennox in June to test the undrilled off-hole conductor plate. Up to 10% combined base metal sulphides were intersected over narrow zones of brecciated sulphide with the best results being from hole MHDD0062:

- 0.7m @ 9.2% Zn, 3.1 % Pb, 0.9% Cu and 89 g/t Ag from 274.4m and
- 1m @5.4% Zn, 4.6% Pb, 0.8% Cu and 36 g/t Ag from 371.6m

### **Browns Prospect**

Assay results have been received for the drilling at Browns completed in June with mineralisation intersected in two if the three holes completed. Best results being:

- 3.9m @ 1.2% Cu and trace Zn from 183.8m in hole MHDD0064 and
- 4.95m @ 1.1% Cu and 0.6% Zn from 114.85m in MHDD0065

## **Other Projects**

### **Petermann Range Project**

At Petermann Range negotiations with the Traditional Owners to finalise an Exploration Agreement continue to move forward albeit more slowly than initially expected. 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 **\$1,31 million** at Quarter-end.

### **Placement**

The Company placed a total of 32,259,000 shares at an issue price of A\$0.031 raising A\$1 million (before costs), under the placement announced on 2 September 2019.

Funds raised pursuant to the Placement will be used to further the Company's exploration program at the Mt Hardy Project, where the Company recently announced a drilling program to test a number of new base metal targets at the Hendrix South and North West, Gilly, Laver and Linda Jane prospects. Funds will also be used to advance the Petermann Range Project where negotiations for land access are progressing towards a conclusion, and for general working capital purposes.

Todd River issued the shares under the Placement utilising its existing placement capacity under Listing Rule 7.1 (in relation to 17,114,176 shares) and 7.1A (in relation to 15,144,824 shares).

### **Entitlement Offer**

In addition to securing the \$1 million (before costs) placement, the Company also announced that it was undertaking a fully underwritten, non-renounceable pro-rata entitlement offer to raise a further \$1.9M.





The entitlement offer issue price of A\$0.031 per share is the same issue price as under the Placement, which represented a discount of approximately 13.9% to the last closing price of the Company's shares on ASX before the entitlement offer was announced on 2 September 2019.

Subsequent to the end of the Quarter the entitlement offer was completed with a total of \$1,9 million (before costs) received.

The Company would like to thank Shareholders who continue to support the Company's exploration programs by taking up their entitlements.

**Will Dix**  
Managing Director

18 October 2019

### **Competent Person Statements**

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

- "Maiden Mineral Resource Estimate at Mt Hardy", Lodged on July 10 2019;
- "Sampling Identifies 7 Areas of Mineralisation at Mt Hardy", Lodged on 29 July 2019;
- "Drilling to Commence on New Targets at Mt Hardy", lodged on 26 August 2019;
- "\$2.9M Capital Raising to Advance Exploration", lodged on 2 September 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 zinc-copper Mineral Resource estimate at Hendrix, within its 100% owned Mt Hardy Project, located 300km north west of Alice Springs.

With a strong management team, tight capital structure and well 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 and the large Manbarrum Zinc resource.



## Tenement Schedule

The Group holds an interest in the following tenements or tenement applications at 30 September 2019:

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, 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.

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 report 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.

To the fullest extent permitted by law, Todd River Resources Ltd, its officers, employees, agents and advisers do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this announcement. No responsibility for any errors or omissions from this arising out of negligence or otherwise is accepted.

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 September 2019

<b>Consolidated statement of cash flows</b>	<b>Current quarter \$A'000</b>	<b>Year to date (3 months) \$A'000</b>
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(681)	(681)
(b) development	-	-
(c) production	-	-
(d) unallocated staff costs	(134)	(134)
(e) administration and corporate costs	(259)	(259)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	8	8
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Research and development refunds	-	-
1.8 Other	-	-
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(1,066)</b>	<b>(1,066)</b>

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (3 months) \$A'000
<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire:		
(a) property, plant and equipment	(2)	(2)
(b) tenements (see item 10)	-	-
(c) investments	-	-
(d) Other	-	-
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>(2)</b>	<b>(2)</b>

<b>3. Cash flows from financing activities</b>		
3.1 Proceeds from issues of shares	1,000	1,000
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	(82)	(82)
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 - net payments for cash backed guarantees	4	4
<b>3.10 Net cash from / (used in) financing activities</b>	<b>922</b>	<b>922</b>

<b>Consolidated statement of cash flows</b>	<b>Current quarter \$A'000</b>	<b>Year to date (3 months) \$A'000</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	1,457	1,457
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(1,066)	(1,066)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	(2)	(2)
4.4 Net cash from / (used in) financing activities (item 3.10 above)	922	922
4.5 Effect of movement in exchange rates on cash held	-	-
<b>4.6 Cash and cash equivalents at end of period</b>	<b>1,311</b>	<b>1,311</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	1,311	957
5.2 Call deposits	-	500
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>1,311</b>	<b>1,457</b>

<b>6. Payments to directors of the entity and their associates</b>	<b>Current quarter \$A'000</b>
6.1 Aggregate amount of payments to these parties included in item 1.2	131
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	

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

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

<b>8. Financing facilities available</b> <i>Add notes as necessary for an understanding of the position</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
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.		

<b>9. Estimated cash outflows for next quarter</b>	<b>\$A'000</b>
9.1 Exploration and evaluation	540
9.2 Development	-
9.3 Production	-
9.4 Staff costs	130
9.5 Administration and corporate costs	100
9.6 Other (provide details)	-
<b>9.7 Total estimated cash outflows</b>	<b>770</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	EL25646	Relinquished	100%	0%
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: 18 October 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.