

DECEMBER 2019 QUARTERLY ACTIVITIES REPORT

HIGHLIGHTS

EXPLORATION

- Reconnaissance RC drilling intersected base metal mineralisation at 5 new prospects within the Mt Hardy Project
- Downhole EM surveying completed in early January.
- Broad base metal anomalism associated with top of bedrock sampling confirmed over the northern tenement at Mt Hardy

CORPORATE

- Cash balance at the end of the Quarter of A\$2,03 million
- Finalisation of the option to purchase up to 80% of Nanutarra Nickel Project in Western Australia.
- Walabanba Lithium Project divested to Core Lithium

The December quarter saw Todd River Resources (ASX:TRT) continue field work in the Northern Territory (NT) with initial reconnaissance reverse circulation (RC) drilling at new prospects within the Mt Hardy Project (Figure 1). In addition, a number of broad base metal anomalies were identified from historic wide spaced RAB drilling.

EXPLORATION

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

Reconnaissance RC Drilling

Work during the quarter focussed on initial reconnaissance RC drilling of a number of areas of anomalous surface sampling that were identified previously. In all 35 RC holes were completed for a total of 3,082m testing 6 new areas within the Mt Hardy Project. The hole locations are shown in Figure 3.

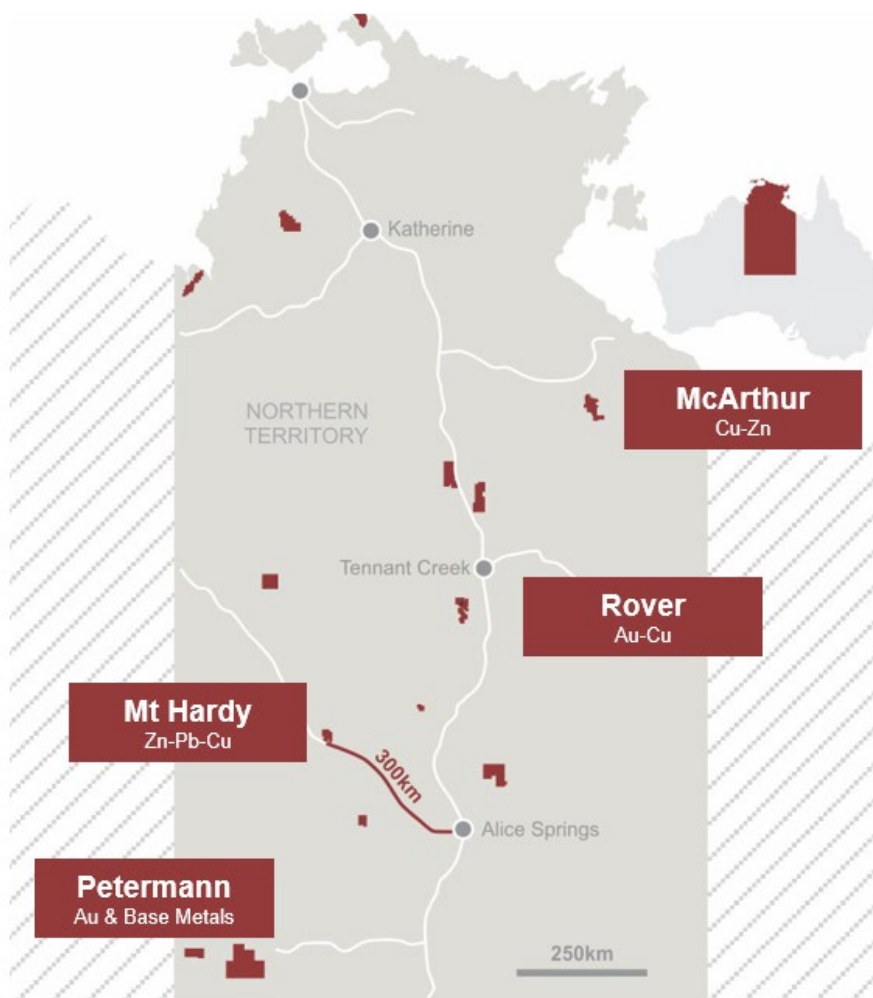


Figure 1 - Todd River Resources project portfolio in the Northern Territory

Three prospects away from the Hendrix resource area as well as mineralisation immediately south and north west of Hendrix returned encouraging results. Downhole EM surveying was completed subsequent to the end of the quarter and the results from this work will enable planning for the next phase of drilling. Best results from the RC drilling are listed below:

Gilly North Prospect:

- 10m @ 1% Cu, 0.4% Pb, 3.6% Zn and 24g/t Ag (5.0% combined base metals) from 5m, including:
 - **7m @ 1.4% Cu, 0.6% Pb, 4.7% Zn and 36.4g/t Ag (6.7% combined BM)** from 8m (MHRC0067)
- 9m @ 0.6% Cu, 0.1% Pb, 5.5% Zn and 7g/t Ag (**6.2% combined base metals**) from 36m, including:
 - **7m @ 0.7% Cu, 0.1% Pb, 6.1% Zn and 8g/t Ag (6.9% combined BM)** from 37m (MHRC0068); and
- 14m @ 1.1% Cu, 0.1% Pb, 3.4% Zn, 8.7g/t Ag (**4.6% combined base metals**) from 42m, including:
 - **7m @ 1.4% Cu, 0.1% Pb, 6.3% Zn and 12.6g/t Ag (7.8% combined BM)** from 46m (MHRC0069).



Laver Prospect:

- 15m @ 0.4% Cu, 1.7% Pb, 5.4% Zn and 29g/t Ag (**7.5% combined base metals**) from 111m, **including:**
 - **3m @ 0.6% Cu, 1.5% Pb, 11.7% Zn and 39.4g/t Ag (13.8% combined BM)** from 111m (MHRC0091) and:
- 4m @ 0.9% Cu, 1.4% Pb, 2.9% Zn and 30g/t Ag (**5.1% combined base metals**) from 49m, **including:**
 - **2m @ 1.3% Cu, 2.0% Pb, 4.5% Zn and 41.5g/t Ag (7.8% combined BM)** from 50m (MHRC0090).

Gilly Prospect:

- 7m @ 0.4% Cu, 0.3% Pb, 4.1% Zn and 15.4g/t Ag (**4.8% combined base metals**) from 23m, **including:**
 - **4m @ 0.5% Cu, 0.6% Pb, 5.9% Zn and 7g/t Ag (7.0% combined base metals)** from 23m, (MHRC0071).

Hendrix South Prospect:

- 28m @ 0.2% Cu, 0.6% Pb, 2.4% Zn and 12g/t Ag (**3.2% combined base metals**) from 82m, **including:**
 - **5m @ 0.24% Cu, 1.8% Pb, 4.3% Zn and 28.4g/t Ag (6.3% combined BM)** from 93m (MHRC0075) and:
- 5m @ 0.7% Cu, 0.8% Pb, 2.0% Zn and 24g/t Ag (**3.5% combined base metals**) from 28m (MHRC0073).

Hendrix North West Prospect:

- 5m @ 1.2% Cu, 4.1% Pb, 2.4% Zn and 70g/t Ag (**7.8% combined base metals**) from 34m, including 1m @ 1.8% Cu, 12.2% Pb and 6.3% Zn and 233g/t Ag from 37m (MHRC0082).
- 4m @ 0.6% Cu, 3.2% Pb, 3.0% Zn and 32g/t Ag (**6.8% combined base metals**) from 33m (MHRC0081)

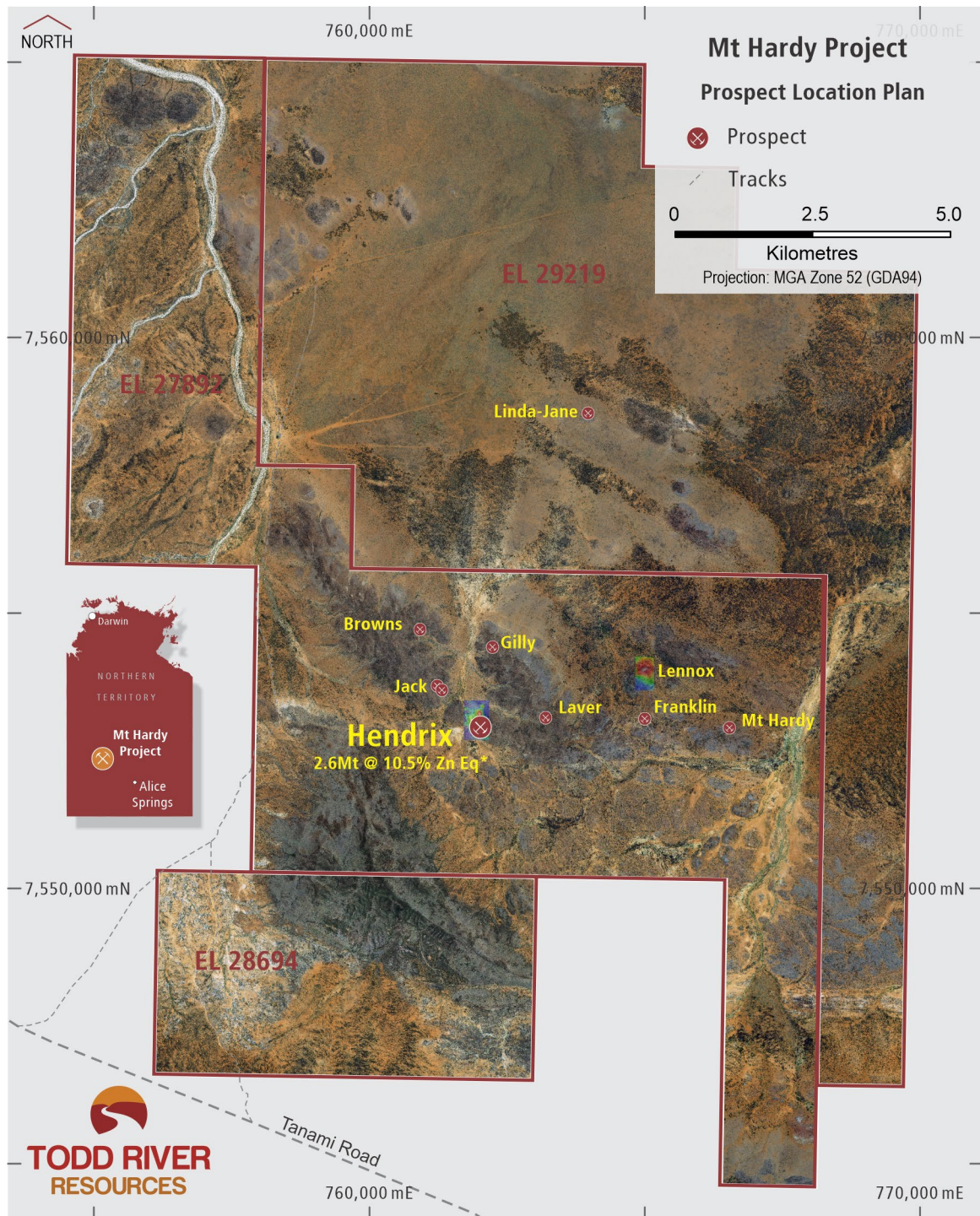


Figure 2 - Mt Hardy Project showing new Prospect Locations – note the quoted Hendrix Mineral Resource Estimate is all classified as inferred.

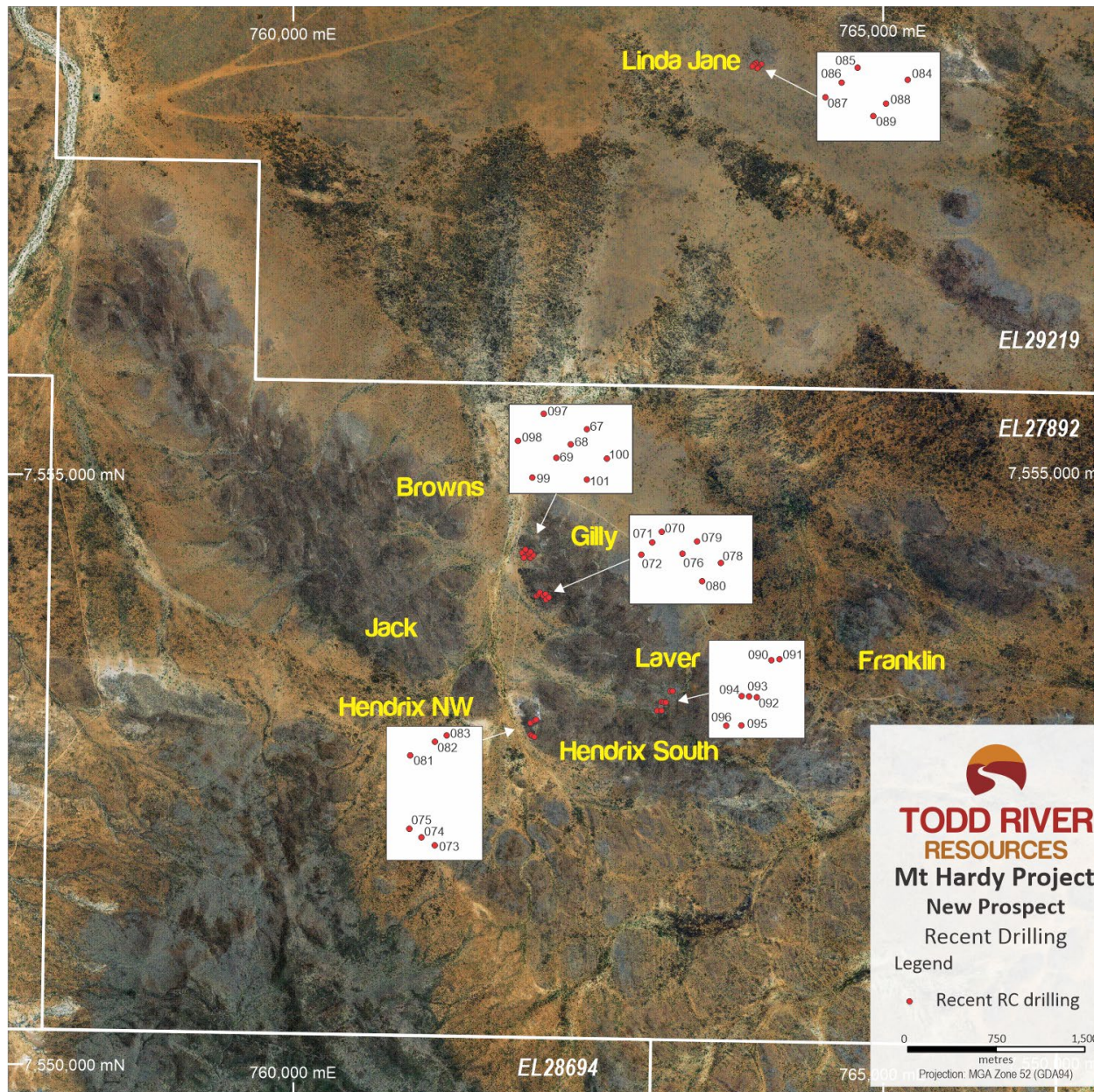


Figure 3 – Mt Hardy Project showing the collar locations for the holes drilled during the recently completed reconnaissance RC drilling program.

Key Geological Observations:

Reconnaissance RC holes across the project were targeted on a number of high-grade base metal rock chip results identified in the mapping and sampling programs completed in August and September. In general, base metal sulphides (sphalerite, chalcopyrite and galena), together with pyrrhotite (iron sulphide) were intersected over varying widths in most holes drilled. The zones of sulphide breccia, and sulphide stringers are hosted within the sediments of the Lander Rock Formation.

At the Gilly and Gilly North prospects, the weathering profile is very thin and drilling is collared in very weakly oxidised to fresh rock. Some minor oxidation of the sulphides was observed in hole MHRC0067 but otherwise the sulphides in both hole MHRC0068 and MHRC0069 are fresh sulphide. Sulphides observed in the RC chips are coarse grained with both sphalerite and galena occurring in centimetre-sized aggregates.



At the Laver prospect, where rock chip sampling returned results of up to **12.7% Zn, 7.9% Pb, 3.1% Cu and 154 g/t Ag**, 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 250m and the reconnaissance RC drilling program has drilled three zones along this trend where the surface gossan is best developed.

Further opportunity exists to the north of the currently mapped out Laver prospect area where the best developed gossan splits into several occurrences.

Drilling at Hendrix South concentrated on a fold closure identified approximately 100m south of the surface expression of the Resource. Sulphide breccia and stringers were identified in each hole with the best developed intersection being over a down-hole width of 28m in hole MHRC0075 associated with silica alteration similar to that seen in parts of the Hendrix Resource. All of the holes drilled at Hendrix South intersected sulphide mineralisation and all of the holes sit well outside the current Resource wireframe.

At Hendrix North West, shallow drilling intersected mineralisation which is interpreted as an up-dip extension to the hangingwall lode to the Hendrix resource (this mineralisation sits outside the current resource estimate).

Opportunities remain at a number of prospects where anomalous rock chip sampling has been completed but as yet no drilling including the Jack and Franklin prospects.

RAB Resampling

In addition, new areas of base metal anomalism have been identified from the systematic resampling of historic RAB drilling completed in 2002-2003 which was previously assayed largely for gold only.

The Company was able to locate and collect material from 386 out of a possible 404 holes (96%). The holes are generally wide at 100m spacing with small areas of in-fill to 50m, and the drill lines are up to 1.2km apart.

This drill spacing is considered generally too broad in the context of the base metal mineralisation at Mt Hardy. The Hendrix Resource, for example, has a surface footprint much smaller than this wide-spaced drilling.

The historical holes were originally systematically assayed for precious metals and sporadically assayed for arsenic, copper and lead (no zinc assays were completed) on an approximate 1 in 20 ratio. The new assays cover a suite of base metals and pathfinder elements to build a comprehensive geochemical database. An anomaly summary figure showing the distribution of the holes resampled and the location of anomalous target zones is shown in Figure 4.

The best developed area of base metal anomalism is to the north-west at the Linda-Jane Prospect. This anomaly, which is coincident in copper, lead and zinc, extends under cover for some 600m north-west of the Linda-Jane outcropping gossan and, in total, covers an area of approximately 850m X 350m.

This area also contains the highest individual assays for copper (496ppm) and one of the highest for zinc (1,344ppm) of the samples collected, which is shown in Figure 5. The northern end of the highlighted anomaly in these images is a function of the drilling completed to date and this is one area where additional drilling will be completed in 2020 to test for further anomalism.

In addition, there is a broad north-west trending anomaly that extends under cover from the northern edge of the Gilly prospect for approximately 2.5km. Overall it is lower grade than the Linda-Jane anomaly but it is coherent and present on all but one line, with lines spaced at a distance of 1.2km. This area also contains the highest recorded zinc grade of 2,019ppm.



Other Projects

Nanutarra Nickel Project

During the quarter the Company entered into an Option to Farm-in Agreement over exploration licence E08/9242. The Farm-in Agreement also provides for a potential mining joint venture to be formed once Todd River Metals Pty Ltd (a wholly owned subsidiary of Todd River Resources) has acquired an 80% interest in the tenement.

The key terms of the Farm-in Agreement are set out in ASX release dated 4 October 2019.

Petermann Range Project

At Petermann Range negotiations are ongoing with the Central Land Council who are representing the Traditional Owners to finalise an Exploration Agreement. The timing of the completion of this process is largely in the hands of the Central Land Council's legal team and subject to their internal timelines.

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 **\$2,03 million** at Quarter-end.

Tenement Changes

During the quarter the company completed an Option and Farm-in Agreement with Cratonix Pty Ltd on tenement E08/2942 in the Nanutarra region of Western Australia and successfully divested The Walabanba tenement EL26848 to Core Lithium.

Will Dix

Managing Director

31 January 2020



Competent Person Statements

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

- “TRT Purchases Option over Prospective Nickel Project”, Lodged on October 4 2019;
- “New Base Metal Discovery at Mt Hardy”, Lodged on 25 October 2019;
- “Thick Base Metal Intersection from New Drilling at Mt Hardy”, lodged on 8 November 2019;
- “New Areas of Base Metal Anomalism Identified at Mt Hardy”, lodged on 21 November 2019;
- “Drilling Update as 3rd Prospect Delivers at Mt Hardy”, lodged on 3 December 2019;
- “CXO: Core Completes Strategic Acquisition of Lithium Project”, lodged on 17 December 2019.

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.

The information in this announcement that relates to the Hendrix Mineral Resource is extracted from ASX announcements titled: “Maiden Mineral Resource Estimate at Mt Hardy”, Lodged on July 10 2019” 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 and that all material assumptions and technical parameters underpinning the estimate in the relevant original market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings as 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%
Warramunga/Rover JV	EL25581, ELA25582, ELA25587, MLC647	100%
Peterman Ranges	ELA26383, ELA25564, ELA26384, ELA25562, ELA26382	100%
Goddard's	ELA24260	100%
Nanutarra	E08/2942	0% (option only)

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.trrrltd.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")

31 December 2019

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(738)	(1,419)
(b) development	-	-
(c) production	-	-
(d) unallocated staff costs	(64)	(198)
(e) administration and corporate costs	(163)	(422)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	3	11
1.5 Interest and other costs of finance paid	(2)	(2)
1.6 Income taxes paid	-	-
1.7 Research and development refunds	-	-
1.8 Other	-	-
1.9 Net cash from / (used in) operating activities	(964)	(2,030)

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
2. Cash flows from investing activities		
2.1 Payments to acquire:		
(a) property, plant and equipment	-	(2)
(b) tenements (see item 10)	(12)	(12)
(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)	-	-
2.6 Net cash from / (used in) investing activities	(12)	(14)

3. Cash flows from financing activities		
3.1 Proceeds from issues of shares	1,923	2,923
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	(192)	(274)
3.5 Proceeds from borrowings	-	-
3.6 Repayment of borrowings	-	-
3.7 Transaction costs related to loans and borrowings	-	-
3.8 Lease payments	(10)	(10)
3.9 Dividends paid	-	-
3.10 Other - net payments for cash backed guarantees	(29)	(25)
3.11 Net cash from / (used in) financing activities	1,692	2,614

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
4. Net increase / (decrease) in cash and cash equivalents for the period		
4.1 Cash and cash equivalents at beginning of period	1,311	1,457
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(964)	(2,030)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	(12)	(14)
4.4 Net cash from / (used in) financing activities (item 3.11 above)	1,692	2,614
4.5 Effect of movement in exchange rates on cash held	-	-
4.6 Cash and cash equivalents at end of period	2,027	2,027

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	527	1,311
5.2 Call deposits	1,500	-
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)	2,027	1,311

6. Payments to directors of the entity and their associates	Current quarter \$A'000
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.

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

9. Estimated cash outflows for next quarter	\$A'000
9.1 Exploration and evaluation	360
9.2 Development	-
9.3 Production	-
9.4 Staff costs	110
9.5 Administration and corporate costs	90
9.6 Other (provide details)	-
9.7 Total estimated cash outflows	770

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	EL26848	Sold	100%	0%
10.2	Interests in mining tenements and petroleum tenements acquired or increased	E08/2942	Optioned with the potential to earn up to 80% by spending A\$2M over 3 years	0%	0%

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: 31 January 2020

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.