

JUNE 2018 QUARTERLY ACTIVITIES REPORT

Significant massive sulphide discovery at Mount Hardy Copper-Zinc Project opens up exciting new front for exploration and growth in the Northern Territory

HIGHLIGHTS

EXPLORATION

- Drilling during the Quarter has successfully intersected thick intervals of massive sulphides at the 100%-owned Mount Hardy Copper-Zinc Project as part of the first field program for 2018.
- Discovery hole 18MHDD0031A intersected:
 - 25.15m @ 2.4% Cu, 4.0% Zn, 3.1% Pb from 184.0m, including:
 - 9.15m @ 4.5% Cu, 7.6% Pb, 8.8% Zn and 162 g/t Ag from 200.0m
- Additional drilling also intersected various thicknesses of sulphide mineralisation in multiple down-hole positions, including an important step-out hole 13MRCDDH0021A which hit a 12.8m brecciated massive sulphide zone 120m down-plunge from the discovery intercept.
- Down-hole surveying and drilling continuing to establish the geometry and extent of the mineralised zone.
- Preparations completed for the Company's 2018 field campaign at the McArthur Project, with drilling scheduled to commence mid Quarter.
- Rock chip sampling returned further outstanding results from the Stokes Yard Project.
- A number of tenement applications at the Petermann Range Project in the south-western corner of the Northern Territory have been approved to proceed to grant following meetings with the Traditional Owners at Docker River.

CORPORATE

- Cash balance at the end of the Quarter of \$1.24 million.
- Applications for collaborative government funding were successful and the Company was notified that \$125,000 was available to assist with the deep drilling at the Rover Gold Project and \$75,000 was available for work at the McArthur Copper-Zinc Project. In addition, each grant has an additional \$10,000 available should the Company use NT based contractors.
- Subsequent to the end of the Quarter, funds were received from the Company's successful capital raising, which comprised a placement of 11,735,031 fully-paid shares at \$0.09 per share to raise \$1.056M. The funds will be used to continue drilling at the Mt Hardy Copper-Zinc Project.



The June Quarter was an active and successful period for Todd River Resources Limited (ASX: TRT), with the commencement of its 2018 exploration field season in the Northern Territory (Figure 1) resulting in immediate success with the discovery of significant intervals of high-grade base metal sulphides at the Mount Hardy Copper-Zinc Project.

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



EXPLORATION

Mount Hardy Copper-Zinc Project (100% TRT)

During the Quarter, the Company's exploration activities focused on drilling a number of down-hole geophysical EM targets generated in 2017 at its 100%-owned Mt Hardy Copper-Zinc Project (Figure 2).

As at the end of June, seven diamond drill holes had been completed for a total of 1,911.9m with six completed at the EM1 Prospect and a single hole at EM2. Table 1 provides the collar information for these holes.



Figure 2. Location plan for the Mt Hardy Project showing EM1 and EM2 target areas.

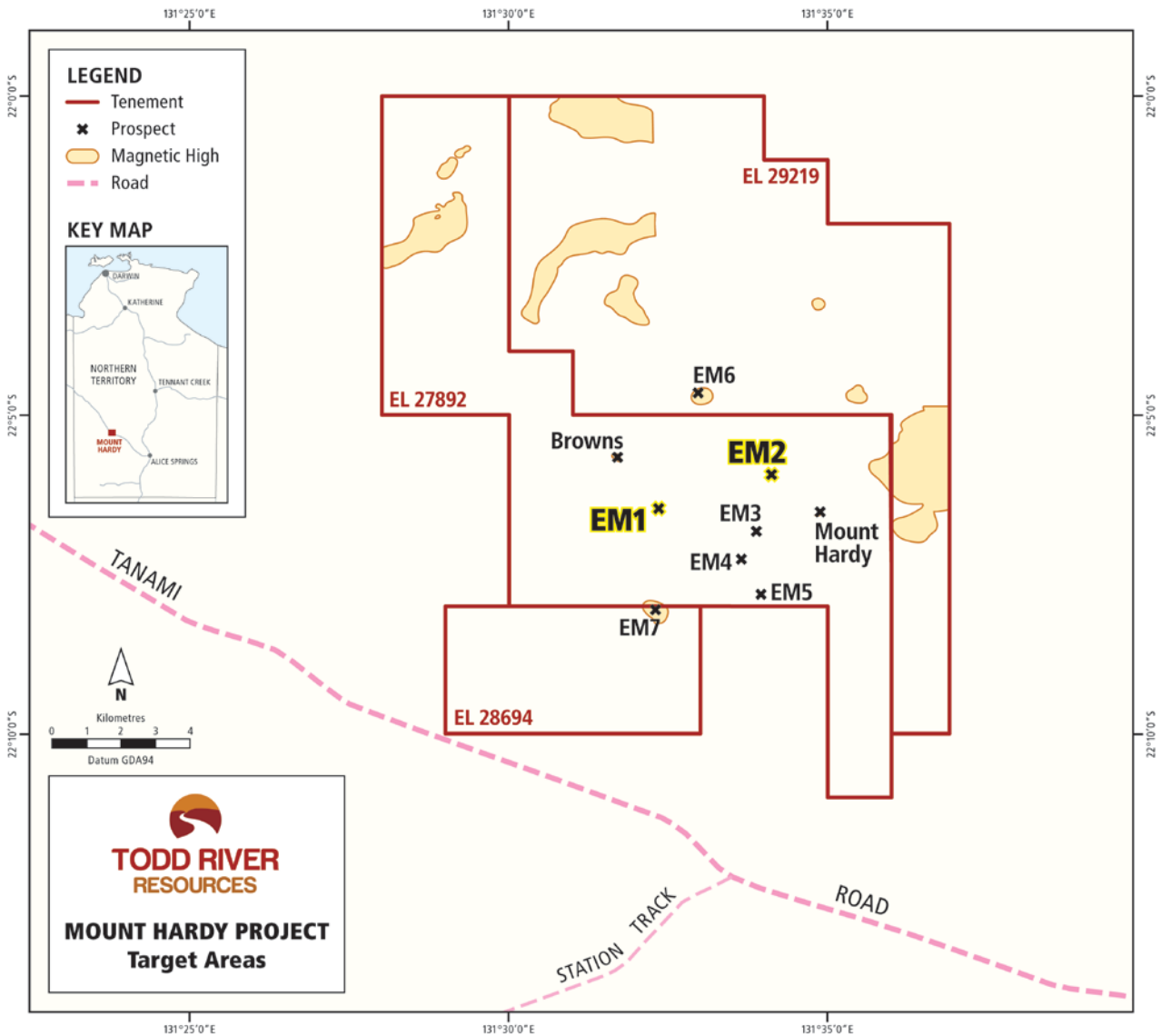


Table 1 – Mt Hardy 2018 June Quarter Drilling Collar Details

HOLE_ID	Prospect	EASTING (GDA94Z52)	NORTHING (GDA94Z52)	AHD (m ASL)	DEPTH (m)	DIP	AZIMUTH (True)
18MHRCDDH030	EM1	761940	7552963	638	245.9	-47	105
18MHRCDDH031A	EM1	761930	7552912	633	261.4	-47	98
18MHRCDDH032	EM1	761925	7552998	635	315.2	-62	90
18MHRCDDH033	EM2	764996	7554079	636	420.1	-65	115
18MHRCDDH034	EM1	761922	7552913	634	252.6	-58	90
18MHDDH035	EM1	761944	7552867	634	227.8	-48	80
18MHDDH037	EM1	761956	7552837	637	188.9	-47	64



Results

Assay results received to the end of the quarter were all from hole 18MHRCDH031A, which were fast tracked following the intersection of a significant zone of massive sulphides.

The zone returned a discovery intercept of:

- **25.15m @ 2.4% Cu, 4.0% Zn, 3.1% Pb from 184.0m down-hole, including:**
 - **9.15m @ 4.5% Cu, 7.6% Pb, 8.8% Zn and 162 g/t Ag from 200.0m down-hole** (Figure 3).

Figure 3. Showing the mineralised intersection in hole 18MHRCDH031A.





The overall broad zone of base metal mineralisation is between 184m and 210m depth. The intersection is not quite perpendicular to the mineralisation, as interpreted from adjacent drilling and the orientation of the DHEM modelled plates. Calculated true thicknesses are approximately 0.8x the drill intersection width, and both drilled and estimated true width intervals are shown on Table 2.

The overall mineralised zone, taken as greater than 1% combined base metal grade (Cu% + Pb% + Zn%), is 25 metres thick (true thickness exceeding 20 metres. Base metal grades over the full interval (length weighted averages) are 2.4% Cu, 3.1% Pb, and 4.0% Zn. Figure 3 shows the interval and associated grades on the drill core.

Within this zone there are two zones (above a 1% combined base metal cut-off and excluding internal dilution zone exceeding two metres in width) that have a thickness of 11.55 metres and 9.5 metres and combined base metal grades of 3.9% and 20.9%.

Within the lower of these there are a further two zones where a 5% combined base metal cut-off can be used to outline:

**4.4m @ 5.9% Cu, 10.4% Pb and 10.4% Zn (combined base metal grade 26.7%); and
1.9m @ 7.4% Cu, 11.9% Pb and 17.6% Zn (combined base metal grade 36.9%)**

Table 2. Drill Hole 18MHRCDH031A mineralised interval summary analyses values.

DEPTH	DEPTH	DRILLED	TRUE	Length Weighted Averages of Laboratory Results				
FROM	TO	INTERVAL	THICKNESS	Cu (%)	Pb (%)	Zn (%)	Ag (g/t)	Comb. BM (%)
The Full Interval								
184.00	209.15	25.15	20.12	2.4	3.1	4.0	72	9.5
Upper Zone								
184.00	195.55	11.55	9.24	1.5	0.7	1.7	26	3.9
Lower Zone								
200.00	209.15	9.15	7.32	4.5	7.6	8.8	163	20.9
Upper High Grade Zone (Above 5% BM Cut off)								
200.00	204.40	4.4	3.52	5.9	10.4	10.4	264	26.7
Lower High Grade Zone (Above 5% BM Cut off)								
206.40	208.30	1.9	1.52	7.4	11.9	17.6	164	36.9

Silver grades are also listed on Table 1. The **maximum silver grade, of 413 g/t Ag**, correlates with the best lead and copper grades. Silver is likely found substituted into the galena structure, and so correlates strongly with the high lead values. **Six values exceed 100 g/t Ag** in the lower Zone. The overall interval has a silver grade of 72 g/t Ag, but the upper high grade zone has an average of 264 g/t Ag over 4.4 metres (five samples).

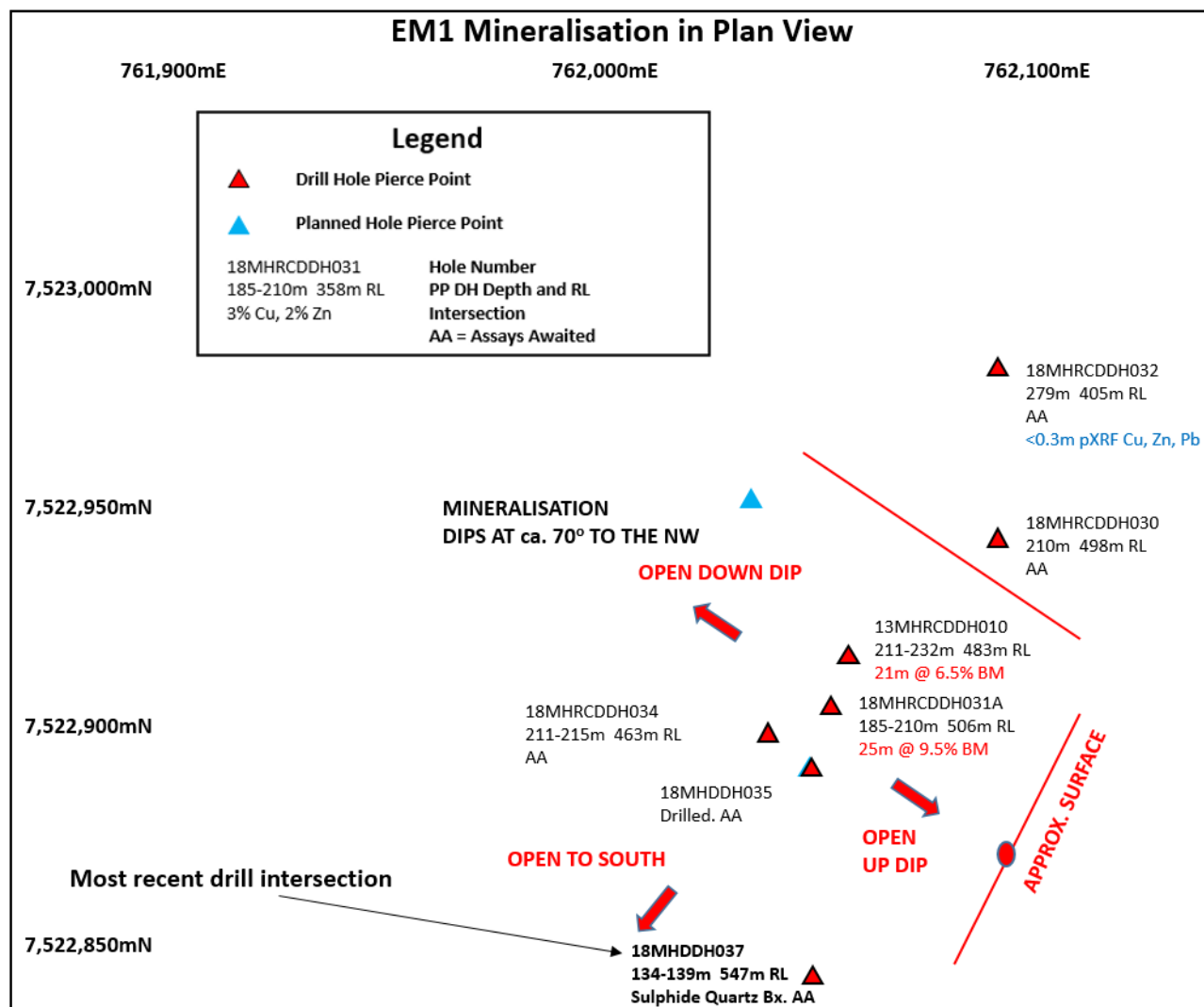
Diamond hole 18MHDDH037, which was drilled 50m to the south of the discovery hole 18MHRCDH031A, intersected a 5m interval of brecciated sulphides approximately 50m up-dip of the intercept in hole 031A.

The new sulphide intersection is sphalerite-dominated and also comprises chalcopyrite and galena with minor pyrrhotite and silica.



Portable XRF scanning of the core indicates the presence of significant base metal mineralisation, and samples have been submitted for laboratory analysis (see ASX announcement 22 June 2018).

Figure 4. Showing a plan view of the EM1 mineralisation as at 30 June 2018.



Drilling has been ongoing since the end of the June Quarter and the outcomes published in the ASX release of 10 July 2018. Figure 4 shows a plan view of the EM1 intersections as at June 30.

McArthur and Tomkinson Projects (100% TRT)

Field work has commenced at the McArthur Copper-Zinc Project with reconnaissance work and the locating of drill holes for the 2018 field season.

It is expected that drilling will commence in August on three selected EM targets that were generated through the geophysical modelling and interpretation of the SkyTEM data collected in 2017 (see ASX announcement – 20 November 2018).

The targets occur in both the Wologorang and Mallapunyah Formations and, in places, conductors are coincident with or down dip from anomalous surface geochemistry.



Stokes Yard Copper-Zinc Project (100% TRT)

A program of rock chip sampling was completed during the Quarter which outlined further significant base metal mineralisation at surface (see ASX announcement 14 June 2018).

The Stokes Yard Project is located 190km west of Alice Springs (Figure 1) and comprises one 50.45km² Exploration License – EL 30131 that was acquired by TNG Ltd in mid-2016, and subsequently rolled into Todd River Resources as part of the spin-out and ASX listing in April 2017.

The tenement area falls within the central-eastern portion of the Warumpi Province within the Arunta Region of central Australia. Rocks underlying the tenement are medium to high grade metamorphics, of both metavolcanic and metasedimentary origin, including calcsilicates and schists. They form part of the ca. 1600 Ma Iwapataka Metamorphic Complex and Ikuntji Metamorphics, according to recent Northern Territory Geological Survey (NTGS) interpretation.

Historical rock samples from this prospect have returned results up to **26% Zn, 7.5% Cu, 7.5% Pb and 130ppm Ag**. Rock sampling by the NTGS in the early 2000's returned results including **12.2% Pb and 8.8% Zn**.

Despite these significant results from the Stokes Yard Prospect, the area remains underexplored, with no drill testing or modern exploration techniques conducted in the last 40 years.

The 2018 rock chip sampling program was undertaken to follow up on the historical results, with significant assays outlined in Table 3 and a full list of analytical results provided in the announcement.

The maximum value for lead was **17% Pb**, with 65% of samples returning better than 1% Pb. Zinc returned a maximum value of **14% Zn**, with 58% above 1% Zn. 30% of samples had anomalous copper (>0.1% Cu), while silver (maximum 149 g/t Ag) and bismuth (maximum 465 ppm Bi) were highly anomalous.

Table 3 – Significant Rock Chip Results from Stokes Yard

Sample	EASTING (MGA94Z53)	NORTHING (MGA94Z53)	Au (ppm)	Ag (ppm)	Bi (ppm)	Cu (%)	Pb (%)	Zn (%)
S1801	203649	7406266	0.087	101.5	465	0.08%	17.99%	0.92%
S1803	203641	7406256	0.046	4.2	40	0.06%	1.02%	14.03%
S1820	203609	7406311	0.054	25.7	76	0.23%	2.36%	8.02%
S1823	203617	7406317	0.063	94.5	183	0.23%	5.18%	3.79%
S1828	203619	7406307	0.046	52.9	123	0.31%	3.82%	7.66%
S1832	203624	7406323	0.183	148.8	328	0.34%	10.33%	1.46%

The results reinforce the outstanding potential of the Stokes Yard Project for high-grade, near-surface polymetallic base metal mineralisation, and the Company has planned a Moving Loop TEM survey that will be carried out later in the 2018 field season.

Petermann Range Base Metal Project (100% TRT)

Following successful meetings with traditional Owners and subject to a negotiated exploration



agreement, the Company has received consent to grant for five key tenements at the 100%-owned Petermann Range Project in the Northern Territory (Figures 1 and 5).

The area lies wholly within Petermann Aboriginal Land Trust and has not been subjected to any exploration activities for over 40 years, as previous exploration activities have been in moratorium.

The Petermann Ranges comprise Neoproterozoic metasediments overlying Mesoproterozoic granite gneiss. The Ranges are located in the northern part of the Musgrave Province, which has seen limited exploration but is considered highly prospective for base metals and gold. The Province hosts the Wingellina Nickel-Cobalt Project (Metals X) and the Nebo-Babel base metal resource (Cassini Resources).

Figure 5. Showing the five tenements that are approved for grant in the Petermann Range area of the Musgrave Province.

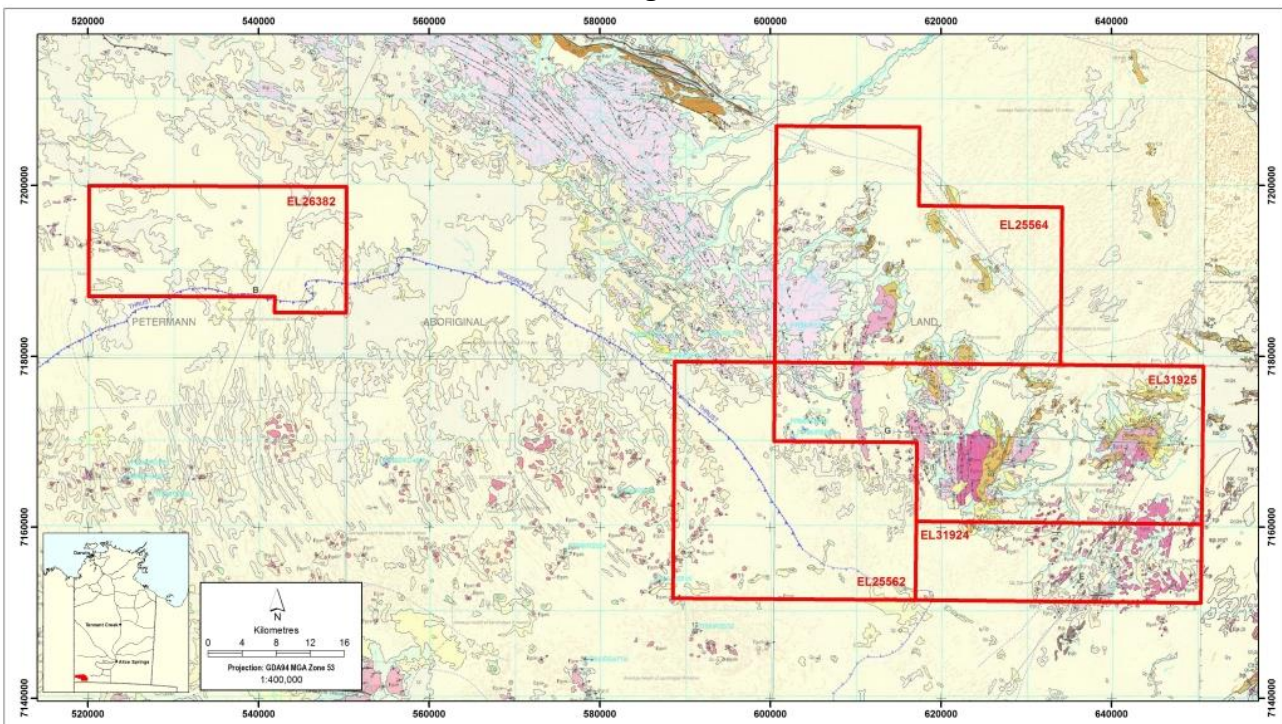


Table 4 lists the Petermann Range tenements that are approved to proceed to grant subject to a negotiated exploration agreement.

Tenement	Blocks	Area (sqkm)
EL 25562	205	634
EL 31924	100	305
EL 25564	250	772
EL 31925	250	772
EL 26383	131	407
Total	936	2,890

Table 4 – Petermann Range tenement areas

The Company is planning to commence first-pass exploration on these new tenements once the exploration agreement is completed.



First-pass exploration activities will include broad-spaced surface sampling, and potentially airborne geophysics over high priority areas.

CORPORATE

Collaborative Funding through the NTGS

During the Quarter, the Company was formally notified that both of the applications which it submitted for collaborative funding through the Northern Territory Government's Geophysics and Drilling Collaborations Program had been successful.

The Company's application at the Rover Gold-Copper Project (Figure 1) will result in funding of \$125,000 being contributed towards planned drilling of the geophysical targets identified along strike from 1.2Moz (gold equivalent) Rover 1 resource near Tennant Creek, owned by Westgold Resources (ASX: WGX).

The Company's application at the McArthur Copper-Zinc Project (Figure 1) was also successful, resulting in funding of \$75,000 which will contribute towards testing of the SkyTEM conductors identified during 2017 (see ASX announcement, 20 November 2017).

At this stage the Company plans to complete the field work required at both projects prior to December 1 2018.

More information on this NTDME/NTGS initiative can be found at www.minerals.nt.gov.au/collaborations

Cash Position

Todd River Resources had total cash reserves of \$1.24 million at Quarter-end.

Capital Raise

Subsequent to the end of the Quarter, the Company successfully placed 11,975,031 fully paid shares at A\$0.09 to qualified institutional and sophisticated investors to raise approximately A\$1.08 million.

The funds raised will be used primarily to accelerate ongoing diamond drilling and the down-hole geophysics program at the Mt Hardy Copper-Zinc Project.

Will Dix

Chief Executive Officer

23 July 2018



Competent Person Statements

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

- “Multiple Strong and Extensive Base Metal Geophysical Targets Generated from Recent SkyTEM Survey at McArthur River Project, NT”, lodged on 20 November 2017;
- “Consent Received to Grant Petermann Range Tenements”, lodged on 30 May 2018;
- “Rock Chip Results Confirm High Grades at Stokes Yard”, lodged on 14 June 2018;
- “Assay Results Confirm High Grade Discovery at Mount Hardy”, lodged on 20 June 2018;
- “\$200,000 Govt Funding for Exploration at Rover and McArthur”, lodged on 19 June 2018;
- “Further Sulphides Intersected at Mount Hardy”, lodged on 22 June 2018;
- “Todd River Completes Successful Capital Raising”, lodged on 27 June 2018.

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 report that relates to estimation and reporting of the Sandy Creek Mineral Resource estimate is extracted from the Independent Geologists Report included in the Prospectus lodged on 31 January 2017 and the Supplementary Prospectus lodged on 10 February 2017 which are available to view on the company’s website 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 Independent Geologists Report included in the Prospectus and Supplementary Prospectus, and that all material assumptions and technical parameters underpinning the estimates in the Independent Geologists Report included in the Prospectus and Supplementary Prospectus continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the Independent Geologists Report included in the Prospectus and Supplementary Prospectus.

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.

With a strong management team and tight capital structure, 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 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.

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



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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

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 2018

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	(576)	(2,242)
(b) development		
(c) production		
(d) staff costs	(135)	(432)
(e) administration and corporate costs	(51)	(390)
1.3 Dividends received (see note 3)		
1.4 Interest received	6	42
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)	20	20
1.9 Net cash from / (used in) operating activities	(736)	(3,002)

2. Cash flows from investing activities		
2.1 Payments to acquire:		
(a) property, plant and equipment		(5)
(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)	(49)
Security deposit		
2.6 Net cash from / (used in) investing activities	(2)	(54)

3. Cash flows from financing activities		
3.1 Proceeds from issues of shares		
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		
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 (Received for shares issued in July 2018)	141	141
3.10 Net cash from / (used in) financing activities	141	141

4. Net increase / (decrease) in cash and cash equivalents for the period		
4.1 Cash and cash equivalents at beginning of period	1,838	4,156
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(736)	(3,002)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	(2)	(54)
4.4 Net cash from / (used in) financing activities (item 3.10 above)	141	141

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held		
4.6	Cash and cash equivalents at end of period	1,241	1,241

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	741	838
5.2	Call deposits	500	1,000
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)	1,241	1,838

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
88
-

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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	(450)
9.2 Development	
9.3 Production	
9.4 Staff costs	(128)
9.5 Administration and corporate costs	(125)
9.6 Other (provide details)	
9.7 Total estimated cash outflows	(703)

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	EL31703	Granted		40 blocks 100%
	EL31704	Granted		70 blocks 100%

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: 23 July 2018

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.