

Roadkill Monitoring Report

1 July–30 September 2018

Tarkine Drive Upgrade



October 2018

Tarkine Drive – Roadkill Monitoring Report – July-September 2018

This report details the results of roadkill monitoring activities for the Tarkine Drive over the third three-month period of 2018, and is the nineteenth report in total. The Commonwealth Government approved the project to proceed in line with a number of environmental conditions approved under the *Environment Protection and Biodiversity Conservation Act 1999*. Condition 11 of this approval requires that the Department of State Growth publish a roadkill monitoring report every three months, as part of the *Draft Roadkill Monitoring Adaptive Management Plan (RMAMP)*, which details the results of monitoring activities.

Tarkine Drive, a 92.7km road, is monitored weekly for signs of roadkill (see Image 1 below). All road upgrade works were completed in December 2014, with the road officially reopened in June 2015.

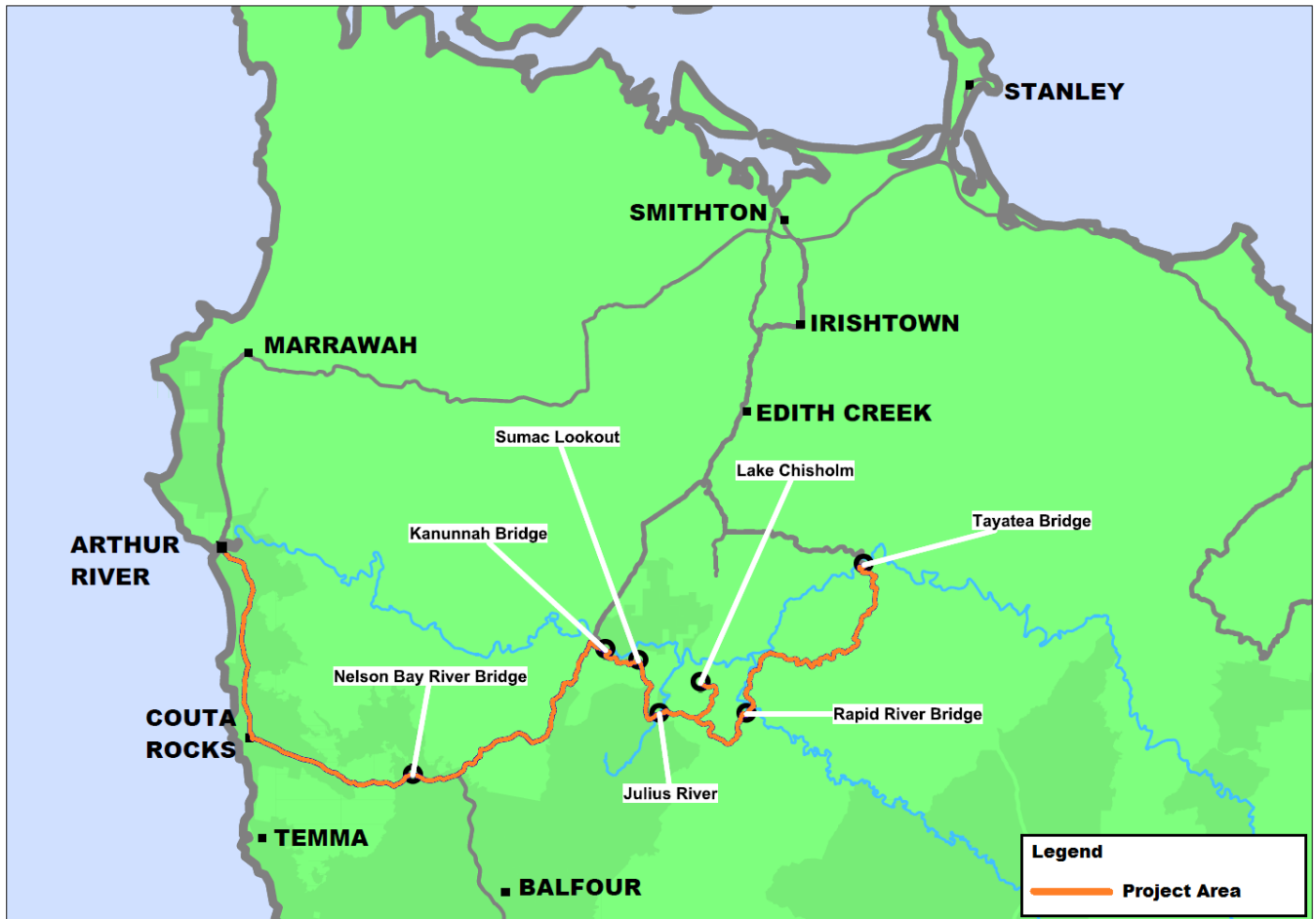


Image 1. Map of project area.

Data collected as part of these monitoring activities is based on pre-defined criteria outlined by the Approval. These criteria are:

- Date and time of identification;
- Location (GPS coordinates);
- Species identified (all species are to be recorded);
- Body condition; and
- Any other notable circumstances.

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Monitoring results for this three-month period are detailed in appendices at the end of this report. Three (3) common animals (Tasmanian Pademelon - *Thylogale billardierii*) were the only recorded roadkill during this period; no threatened species were recorded (see Table 1 in Appendix A). This low roadkill number is consistent with data collection during this time period for 2016 and 2017 (less vehicles on road due to off-peak holiday season) (Table 2 in Appendix A).

Across the project area, roadkill numbers continue to remain well below the trigger thresholds outlined as part of the Approval.

All monitoring activities occur under a regular maintenance regime, specified in the RMAMP.

Roadkill mitigation measures were implemented as part of the construction project to minimise roadkill numbers (See Appendix B). These measures include:

- Reduced speed limits;
- Installation of audible 'rumble' strips at 26 separate locations;
- Installation of virtual fencing to prevent animals entering the road (undertaken by Tasmanian Parks and Wildlife Service)
- Use of light-coloured pavement in the road surface to improve visibility;
- Removal of roadside vegetation to reduce proximity of habitat to road;
- Installation of new table drains to reduce ponding of water at the roadside;
- Improved sight distance;
- Wildlife warning signs; and
- Regular monitoring and removal of roadkill to prevent other scavenger animals being attracted to the road.

All of the above-listed measures have already been implemented and continue to be maintained. It is difficult to specifically appropriate reduced numbers of roadkill to a specific measure or circumstance. It is expected that the implementation of these roadkill mitigation measures has assisted in reducing the incidences of roadkill throughout known roadkill hotspots, however this is subject to significant variability in road use, road user behaviours and other chance factors.

Following the approval of the RMAMP, should total numbers of roadkill be found to be increasing, additional mitigation measures will be implemented at pre-existing or newly identified roadkill hotspot locations.

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Appendix A: Tables of Results

Table 1 Q3 Tarkine Upgrade Roadkill Monitoring Results


Date	Time	Common Name	Body Condition	Decimal Degrees	Eastings	Northings	GPS Error	Impact Type	Other Circumstances	
25/06/2018	13.09	Pademelon	Healthy	-41.09797886	144.6861954	305686.63	5447786.37	5	Vehicle	
7/07/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
14/07/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
21/07/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
29/07/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
5/08/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
12/08/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
19/08/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
26/08/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
2/09/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
9/09/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
16/09/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
23/09/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill Identified
30/09/2018	09.15	Pademelon	Healthy	-41.119024	144.964393	329105.75	5446033.16	5	Vehicle	
30/09/2018	09.30	Pademelon	Healthy	-41.156483	144.939791	327138.65	5441825.82	5	Vehicle	

Table 2 Q3 Tarkine Upgrade Roadkill Monitoring Results 2016-2018 comparison

Date	Time	Common Name	Body Condition	Eastings	Northings	GPS Error	Impact Type	Other Circumstances
10/07/2016	14.46	Pademelon	Unable to be determined	320570	5437616	10	Vehicle Impact	11 weeks no roadkill
31/07/2016	13.40	Pademelon	Moderate	330086	5446705	5	Vehicle Impact	
11/07/2017	13.41	Red-Necked Wallaby	healthy	305564	5446516	10	Vehicle Impact	12 weeks no roadkill
25/06/2018	13.09	Pademelon	Healthy	305686	5447786	5	Vehicle Impact	12 weeks no roadkill
30/09/2018	9.15	Pademelon	Healthy	329105	5446033	5	Vehicle Impact	
30/09/2018	9.30	Pademelon	Healthy	327138	5441825	5	Vehicle Impact	

Appendix B: Map of Installed Mitigation Measures




 Data sources:
 Base image by TASMGP (C) State of Tasmania
 Base data from The LUST (C) State of Tasmania
 Heritage data from CHWA
 Design data from pitt&sherry
 Map produced by pitt&sherry Date: 25/05/2012
 Map ref: HB09080_H038_PER_Fig2_Projects_12P_RevA



- | | |
|--|---|
| Roadkill
<ul style="list-style-type: none"> ● - Threatened Species ● - Non-Threatened Species ● - Non-Threatened Species Q3 2016 | Mitigation
<ul style="list-style-type: none"> ■ - Rumble Strips - Light-Coloured Pavement |
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DEPARTMENT OF STATE GROWTH
 Tarkine Drive - Progress Report - July-September 2016