

Roadkill Monitoring Report

1 April–30 June 2018

Tarkine Drive Upgrade



July 2018

Tarkine Drive – Roadkill Monitoring Report – April-June 2018

This report details the results of roadkill monitoring activities for the Tarkine Drive over the second three-month period of 2018, and is the eighteenth 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.

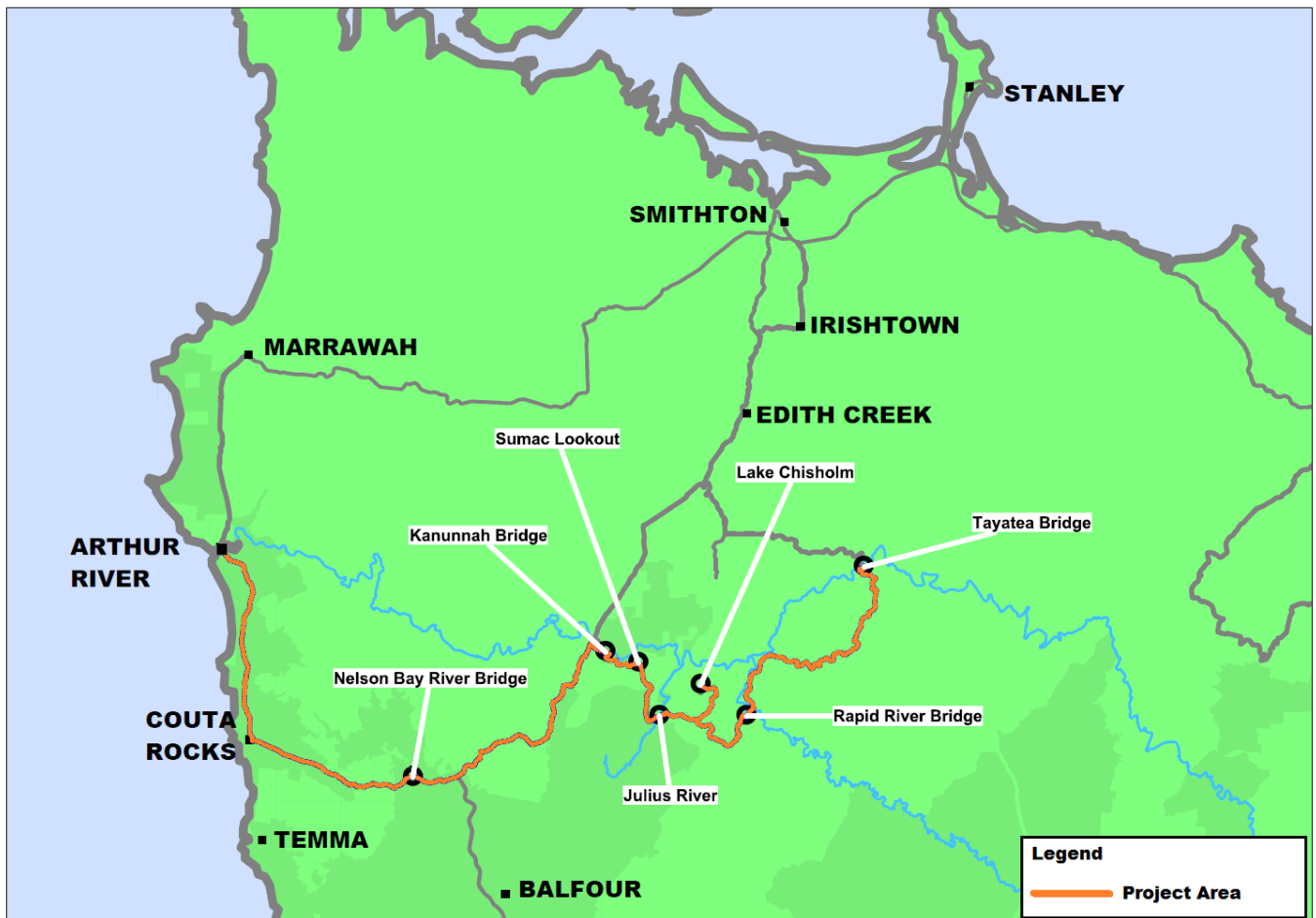


Image 1. Map of project area.

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.

Monitoring results for this three-month period are detailed in appendices at the end of this report. Eleven (11) animals were recorded as roadkill during this period; no threatened species were recorded (see Table 1 in Appendix A). These results may be reflective of the normal seasonal variation of animal activity in this area, increased

Tarkine Drive – Roadkill Monitoring Report – April-June 2018

accessibility of the road due to the completion of road works or increased visitation to the area; nonetheless, these numbers are consistent with modelling developed prior to the upgrade and remain 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.

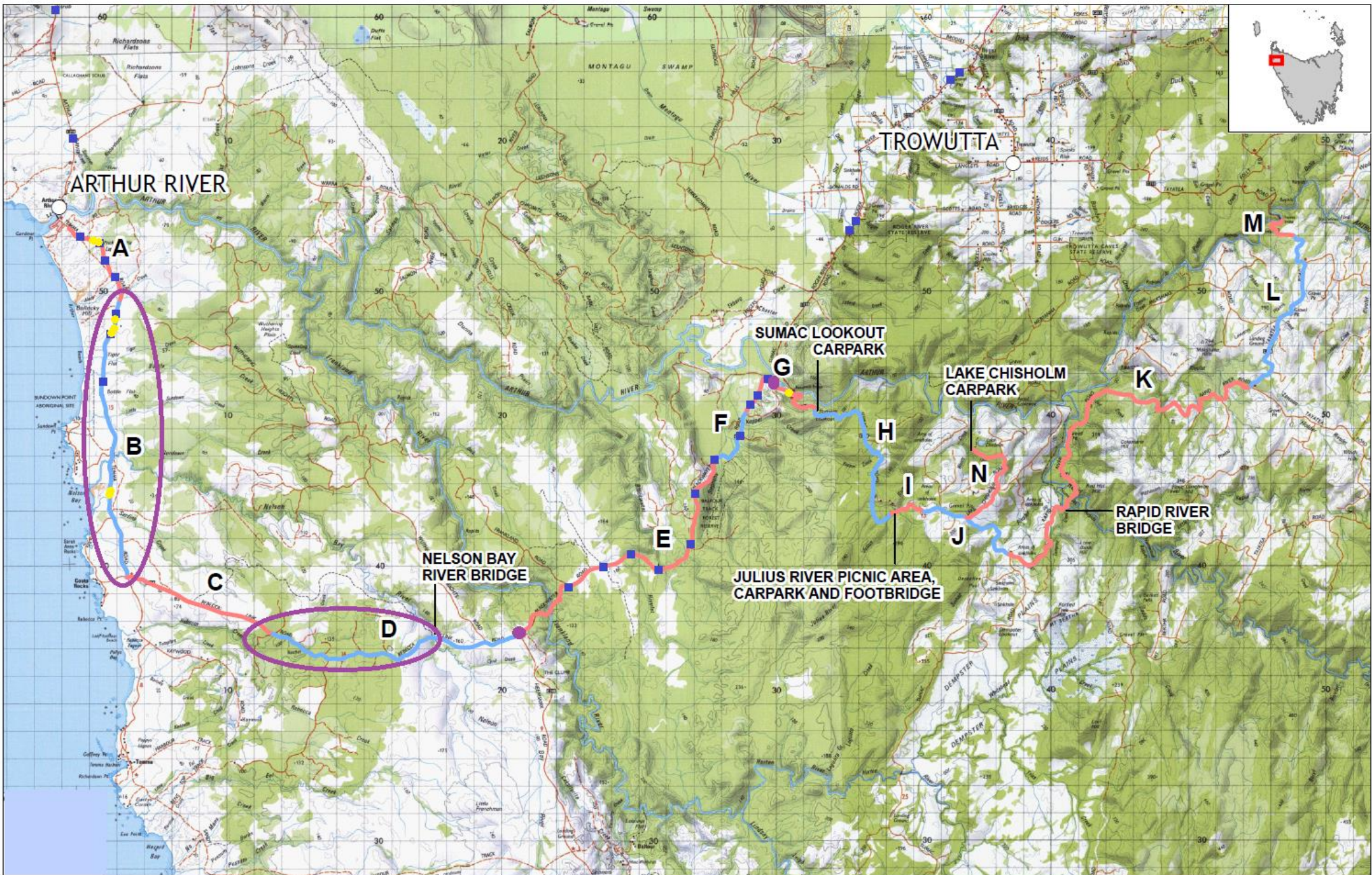
Tarkine Drive – Roadkill Monitoring Report – April-June 2018


Appendix A: Table of Results

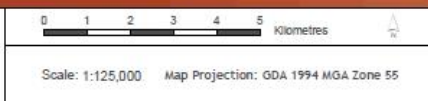
Table 1 Q2 Tarkine Upgrade Roadkill Monitoring Results

Date	Time	Common Name	Body Condition	Decimal Degrees		Eastings	Northings	GPS Error	Impact Type	Comments
1/04/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
8/04/2018	13.58	Pademelon	Unable to be determined	-41.07952484	144.6933232	306231.06	5449851.09	10	Vehicle	
8/04/2018	14.02	Pademelon	Healthy	-41.09900669	144.6858769	305662.95	5447671.56	15	Vehicle	
8/04/2018	14.11	Pademelon	Healthy	-41.1512819	144.688697	306053.86	5441874.03	15	Vehicle	
8/04/2018	14.31	Bennetts (Red-necked) Wallaby	Healthy	-41.19721527	144.815454	316819.09	5437049.10	5	Vehicle	
15/04/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
22/04/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
29/04/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
6/05/2018	15.45	Pademelon	Healthy	-41.08662239	145.2056926	349290.33	5450075.79	15	Vehicle	
13/05/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
20/05/2018	14.15	Bennetts (Red-necked) Wallaby	Healthy	-41.14772453	144.686439	305853.88	5442263.95	10	Vehicle	
27/05/2018	10.00	0	0	0	0	0	0	0	0	No Roadkill
3/06/2018	13.16	Bennetts (Red-necked) Wallaby	Healthy	-41.089568	144.6896198	305949.50	5448727.82	10	Vehicle	
10/06/2018	12.41	Pademelon	Very Healthy	-41.115504	144.6860546	305726.53	5445840.36	10	Vehicle	
17/06/2018	14.22	Bennetts (Red-necked) Wallaby	Healthy	-41.07233728	145.2030834	349038.47	5451657.19	10	Vehicle	
24/06/2018	13.17	Pademelon	Healthy	-41.06884588	144.6889967	305836.16	5451027.08	10	Vehicle	
24/06/2018	15.03	Bennetts (Red-necked) Wallaby	Very Healthy	-41.11218367	145.1902261	348050.14	5447211.14	5	Vehicle	

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