

Roadkill Monitoring Report 1 July to 30 September 2023 Tarkine Drive Upgrade



October 2023

Tarkine Drive – Roadkill Monitoring Report – July to September 2023

This report details the results of roadkill monitoring activities for the Tarkine Drive over the third three-month period of 2022, and is the thirty-ninth 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.

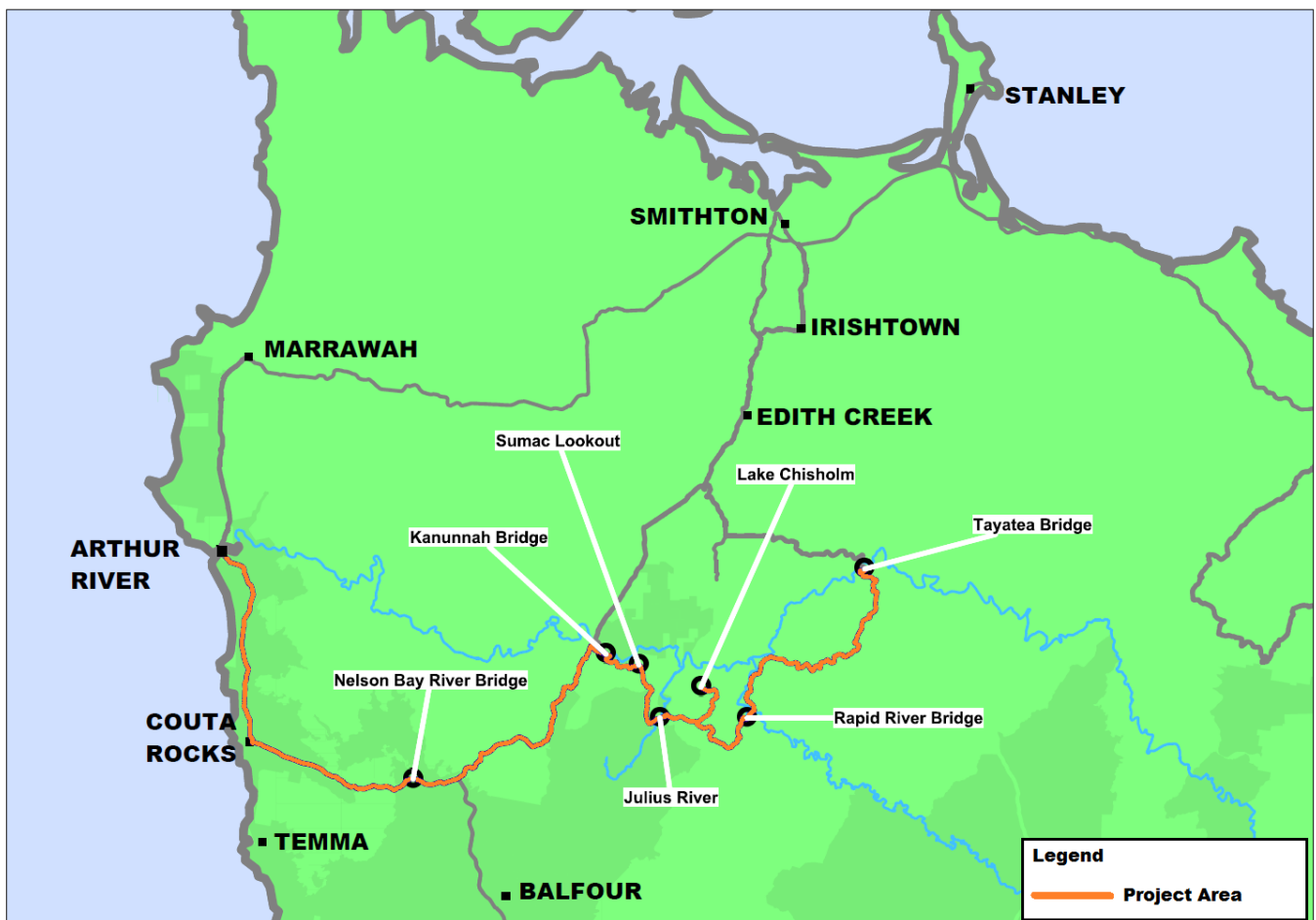


Image 1. Map of project area.

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. Twenty-seven animals were recorded on the Tarkine Drive during this monitoring period (see Table 1 in Appendix A) representing an exceedance of condition 11c (EPBC 2011/6210). However, no threatened species were recorded over this period. The exceedance of condition 11c was duly reported to DCCEEW in accordance with condition 11g.

The number of roadkill reported was high in July but steadily reduced over the three-month period. A similar trend in roadkill numbers was recorded across the North-west region of Tasmania for this quarter. There were no apparent reasons to explain the increase in roadkill during this quarter (such as increased traffic volume or changes to speed limits).

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.

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.


Appendix A: Tables of Results

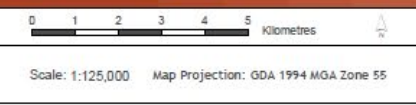
Table 1 Q3 Tarkine Upgrade Roadkill Monitoring Results

Date	Time	Common Name	Body Condition	Eastings	Northings	GPS Error	Impact Type	Other Circumstances
4/07/2023	9:46	Wallaby - Bennetts	5	327815.3	5443715		vehicle	
4/07/2023	11:21	Wallaby - Bennetts	5	305909.4	5443540		vehicle	
4/07/2023	9:38	Wallaby - Bennetts	5	328869	5445362		vehicle	
4/07/2023	11:18	Wallaby - Bennetts	5	305894	5442152		vehicle	
7/07/2023	8:59	Wallaby - Bennetts	5	305816.2	5445450		vehicle	
7/07/2023	9:04	Wombat	5	305912.7	5443339		vehicle	
11/07/2023	10:12	Wallaby - Bennetts	Too damaged	324876.8	5440661		vehicle	
17/07/2023	9:48	Wallaby - Bennetts	4	349090.4	5451499		vehicle	
18/07/2023	10:51	Wombat	5	307541.4	5439477		vehicle	
25/07/2023	12:01	Potoroo	Too damaged	304022.3	5452744		vehicle	
25/07/2023	11:50	Pademelon	Too damaged	305556.8	5446765		vehicle	
27/07/2023	11:12	Wallaby - Bennetts	5	316844.7	5437066		vehicle	
27/07/2023	11:00	Wallaby - Bennetts	5	323148.7	5439893		vehicle	
1/08/2023	11:23	Wallaby - Bennetts	4	329049.9	5445891		vehicle	
9/08/2023	13:22	Wallaby - Bennetts	5	306213.1	5450323		vehicle	
16/08/2023	13:35	Pademelon	4	329832.1	5446957		vehicle	
17/08/2023	16:18							No roadkill identified
18/08/2023	13:04	Wallaby - Bennetts	Too damaged	313135.6	5437049		vehicle	
22/08/2023	10:01	Pademelon	Too damaged	328693.5	5444493		vehicle	
23/08/2023	13:50	Wallaby - Bennetts	5	305575.4	5446411		vehicle	
29/08/2023	9:55	Wallaby - Bennetts	5	325502.7	5440281		vehicle	
29/08/2023	8:53	Wallaby - Bennetts	5	305307.9	5452020		vehicle	
5/09/2023	11:18							No roadkill identified
6/09/2023	9:56	Pademelon	5	325657.4	5440163		vehicle	
12/09/2023	12:13	Pademelon	5	305706.2	5447895		vehicle	
12/09/2023	8:30	Pademelon	5	349043.7	5451628		vehicle	
14/09/2023	10:13	Wallaby - Bennetts	5	329960.3	5446773		vehicle	
19/09/2023	13:46							No roadkill identified
26/09/2023	9:13	Pademelon	5	315759.3	5437042		vehicle	
27/09/2023	10:08	Wallaby - Bennetts	5	337733.1	5441596		vehicle	

Appendix B: Map of Installed Mitigation Measures




 Data sources:
 Base image by TASMGP (C) State of Tasmania
 Base data from The LIST (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 |
|--|---|

DEPARTMENT OF STATE GROWTH
 Tarkine Drive - Progress Report - July-September 2016