

Roadkill Monitoring Report

1 January–30 March 2017

Tarkine Drive Upgrade



April 2017

Tarkine Drive – Roadkill Monitoring Report – January-March 2017

This report details the results of roadkill monitoring activities for the Tarkine Drive over the first three-month period of 2017, and is the thirteenth 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.

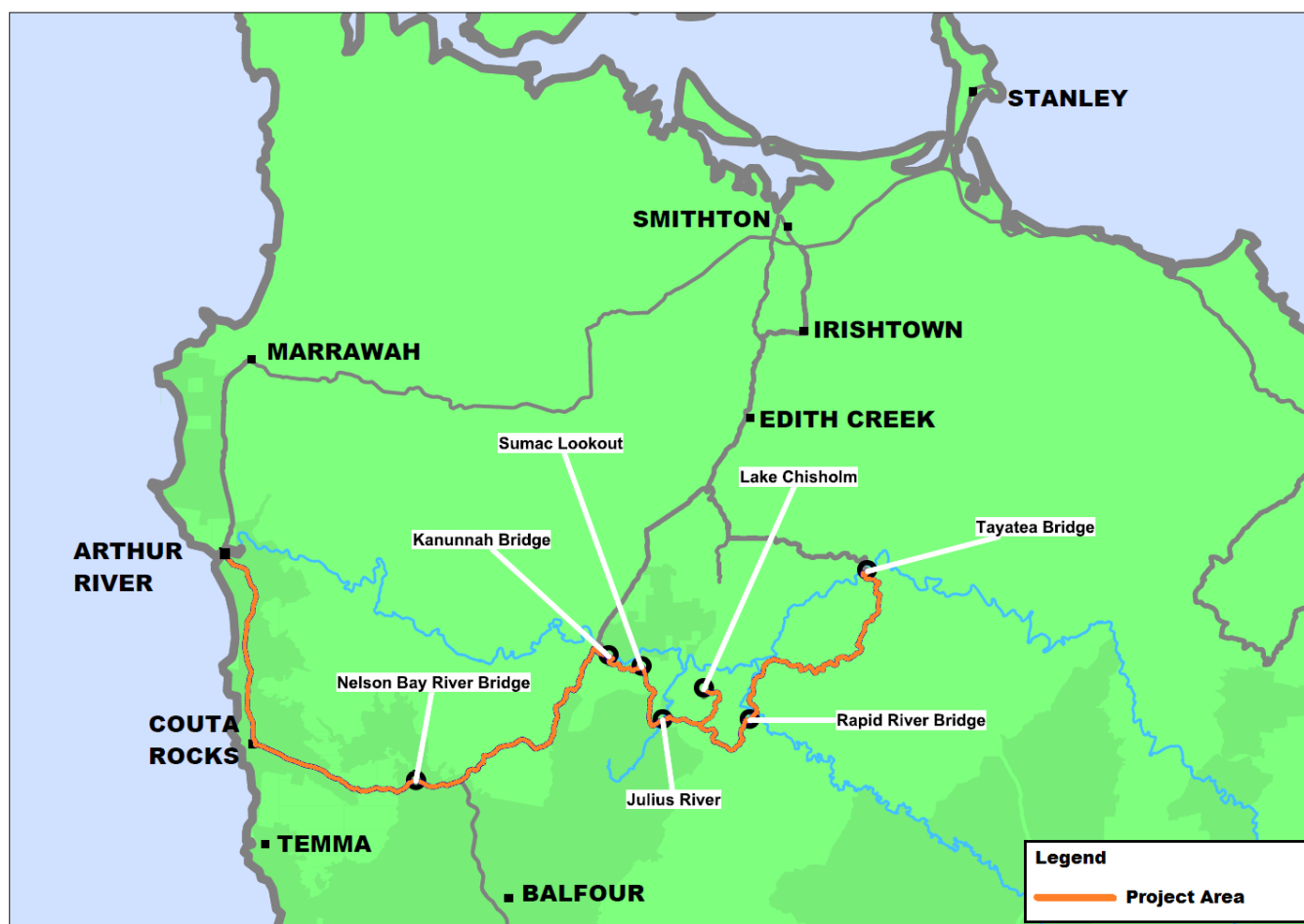


Image 1. Map of project area.

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. Seven animals were recorded as roadkill during this period; no threatened species were recorded (see table in *Appendix A*). These results may be reflective of the normal seasonal variation of animal activity in this area, increased 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 remains an issue of particular concern for the area, and as such, a number of measures have been implemented as part of the construction project to minimise total roadkill numbers (See Appendix B). These measures include:

- Reduced speed limits;
- Installation of audible 'rumble' strips at 26 separate locations;
- 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.

Appendix A: Table of Results

Roadkill Counts									
EPBC species register: 1 January to 30 March 2017									
Date	Time	Common Name	Body Condition	Decimal Degrees		Eastings	Northings	GPS Error	Impact Type
3/01/2017	12.36 pm	Bare Nosed Wombat	Moderate	-41.1681	144.9176	325310.7740	5440490.2820	25	Vehicle impact
17/01/2017	1.10pm	Bronze Winged Pigeon	unable to be determined	-41.1732	145.0835	339241.9500	5440247.3280	10	Vehicle impact
24/01/2017	2.02pm	Bare Nosed Wombat	healthy	-41.1910	144.8644	320902.4210	5437843.4810	5	Vehicle impact
2/02/2017	12.54pm	Tiger Snake	unable to be determined	-41.1507	144.6883	306018.8310	5441937.7510	5	Vehicle impact
14/02/2017	4.06 pm	Bennetts Wallaby	moderate	-41.1053	144.6848	305591.0750	5446970.4480	10	Vehicle impact
14/02/2017	4.15pm	Bennetts Wallaby	Moderate	-41.0591	144.6799	305043.0230	5452088.7910	10	Vehicle impact
5/03/2017	3.12pm	Pademelon	unable to be determined	-41.1176	144.6865	305770.1120	5445608.6450	10	Vehicle impact
TOTAL		7							

Appendix B: Map of Installed Mitigation Measures

