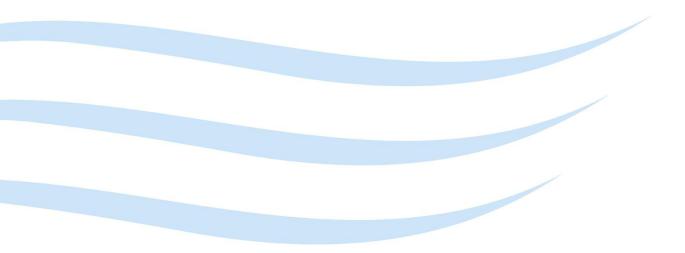
## Roadkill Monitoring Report 1Janurary-31 March 2018 Tarkine Drive Upgrade



April 2018

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

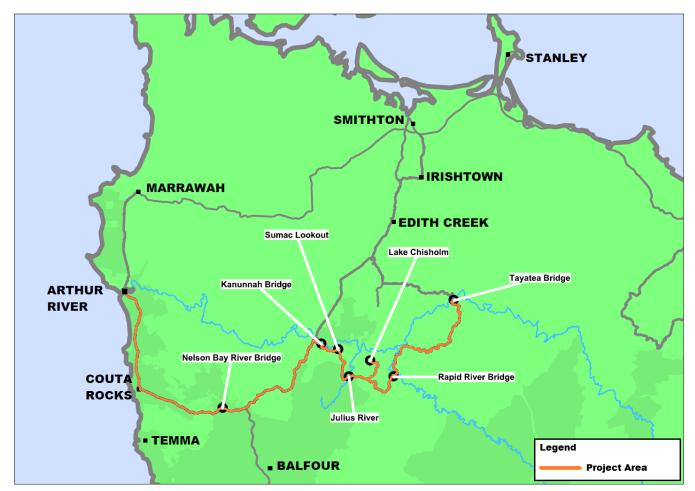


Image 1. Map of project area.

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. Nine 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;
- 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.



Appendix A: Table of Results

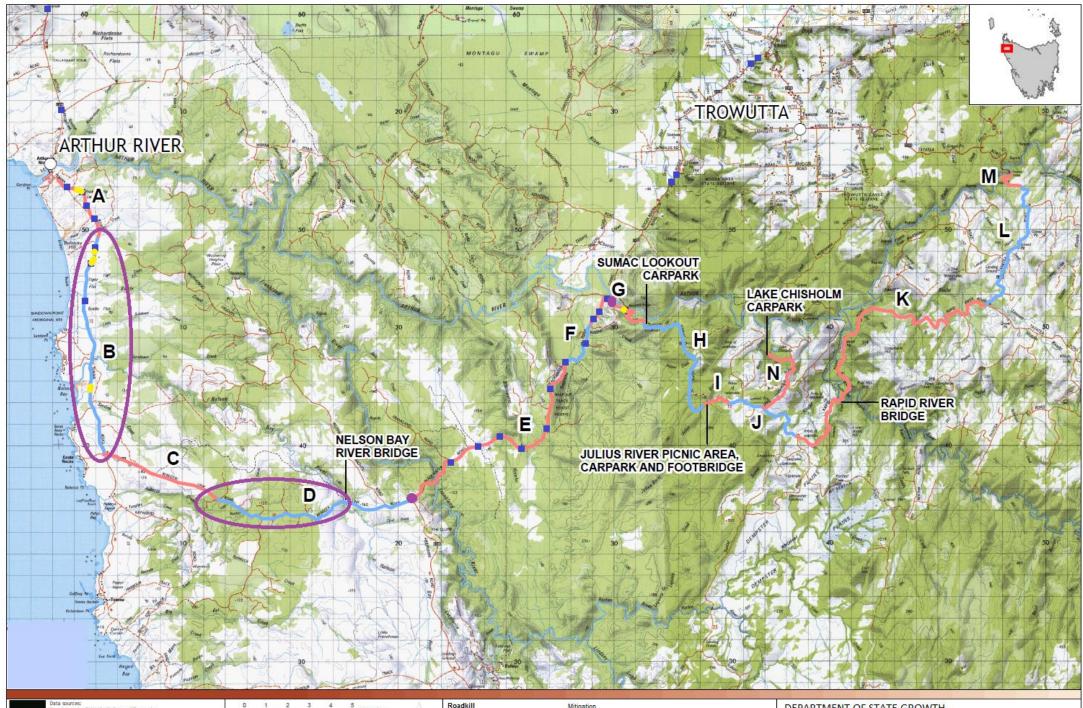


Department of State Growth

## Table of Results

EPBC species register: 1 January to 31 March 2018									
Date	Time	Common Name	Body Condition	Decimal Degrees		Eastings	Northings	GPS Error	Impact Type
Date		Red-Necked		Degrees			Northings		туре
3/01/2018	12.23 pm	(Bennetts) Wallaby	Very healthy	-41.07345647	145.2035901	349083.501	5451533.914	10	car
-,,			Unable to be						
1/02/2018	8.15am	Pademelon	determined	-41.14099663	144.686836	305867.351	5443011.734	25	Car
		Red-Necked (Bennetts)	Unable to be						
1/02/2018	8.37am	Wallaby	determined	-41.19376427	144.8564323	320246.106	5437517.821	10	Car
1/02/2018	10.10am	Pademelon	Very healthy	-41.07277393	145.2031449	349044.604	5451608.699	15	Car
6/03/2018	12.25pm	Tasmanian swamp harrier	Unable to be determined	-41.11532026	144.6859927	305720.703	5445860.708	10	Car
15/03/2018	9.57am	Bare-nosed wombat	Very healthy	-41.19115331	144.7615809	312284.005	5437607.281	10	Car
15/03/2018	11.57 pm	Bare-nosed wombat	Very healthy	-41.19121446	144.7617714	312300.254	5437600.91	5	car
15/03/2018	12.05pm	Pademelon	healthy	-41.19708397	144.7915074	314810.669	5437013.024	15	Car
22/03/2018	not provided	Red-Necked (Bennetts) Wallaby	healthy	-41.11180562	145.1906978	348088.821	5447253.94	not provided	Car
TOTAL	9								

Appendix B: Map of Installed Mitigation Measures



Data sources: Base image by TASMAP (C) State of Tasmania Base data from The LIST (C) State of Tasmania Heritage data from CHMA Design data from CHMA hap procised by pittisherry Date: 25/05/2012 App ref: 1600000\_H03D\_FER\_TSpg\_Trojects; 12P\_RevA

4 5 Kliometres Scale: 1:125,000 Map Projection: GDA 1994 MGA Zone 55

Roadkill • Threatened Species - Non-Threatened Species -Non-Threatened Species Q3 2016

Mitigation - Rumble Strips Contraction - Light-Coloured Pavement

## DEPARTMENT OF STATE GROWTH

Tarkine Drive - Progress Report - July-September 2016