

Roadkill Monitoring Report –  
October to December 2015

# Tarkine Drive Upgrade



January 2016

This report details the results of roadkill monitoring activities for the Tarkine Drive over the fourth three-month period of 2015, and is the 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.

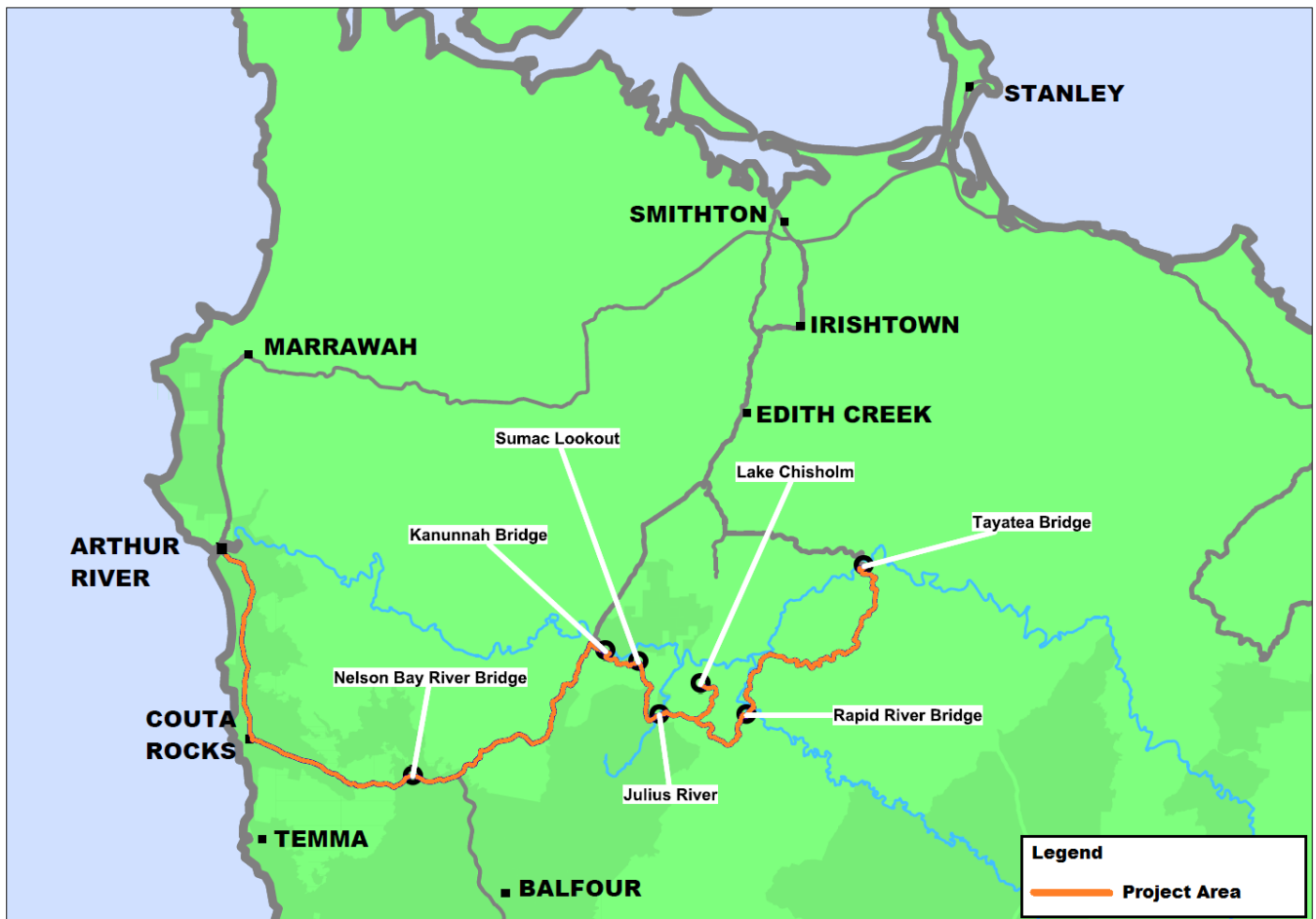


Image 1. Map of project area.

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.

Monitoring results for this three-month period are detailed in appendices at the end of this report. 4 animals were recorded as roadkill during this period; no threatened species were recorded (see table in *Appendix A*). The locations of these species are displayed on the map in *Appendix B*. 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 well-below the trigger thresholds outlined as part of the Approval.

All monitoring activities occur under a regular maintenance regime, specified in the RMAMP. This number is marginally higher than the same reporting period of 2015, and significantly less than in 2014. All monitoring activities occur under a regular maintenance regime, specified in the RMAMP. Monitoring was undertaken 13 times over this quarter. Monitoring occurs on any given day of the week, with each new week commencing on a Monday. This provides for a random sample of collection to ensure that results do not reflect any one particular pattern of behaviour by animals or motorists.

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. 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.

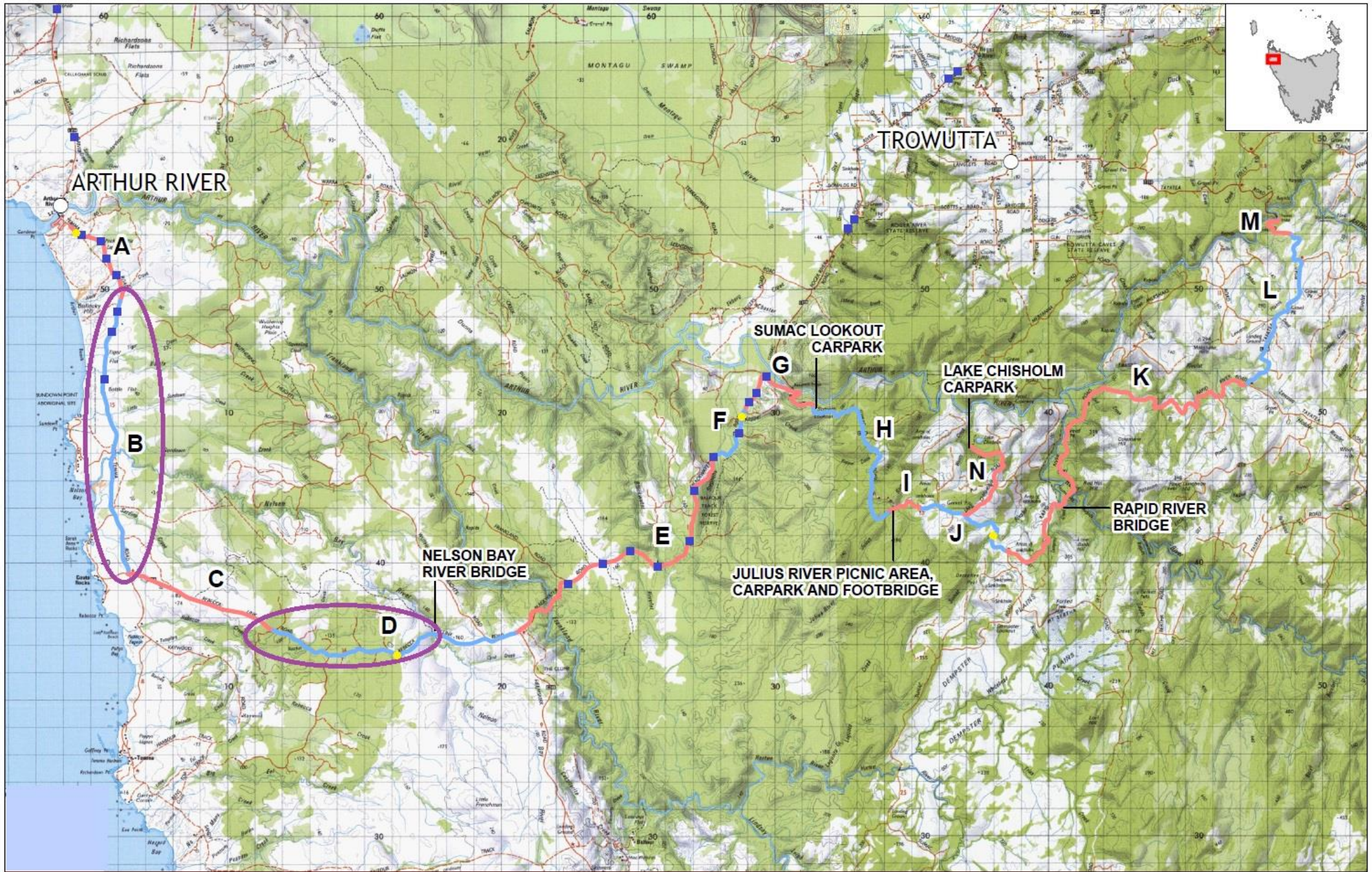
All of the above-listed measures have already been implemented and continue to be maintained. It is difficult to specifically appropriate reduced numbers of roadkill to a specific measure or circumstance. It is expected that the implementation of these roadkill mitigation measures have assisted in reducing 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



## Appendix B: Map of Roadkill Locations and 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 pittsherry  
 Map produced by pittsherry Date: 25/05/2012  
 Map ref: HB09080\_H03B\_PER\_Fig2\_Projects\_12P\_RevA

0 1 2 3 4 5 Kilometres  
 Scale: 1:125,000 Map Projection: GDA 1994 MGA Zone 55

**Roadkill**  
 ● - Threatened Species  
 ● - Non-Threatened Species  
**Mitigation**  
 ■ - Rumble Strips  
 ○ - Light-Coloured Pavement

DEPARTMENT OF STATE GROWTH  
 Tarkine Drive - Progress Report - October to December 2015