

Roadkill Monitoring Report 1 January to 31 March 2019 Tarkine Drive Upgrade



May 2019

Tarkine Drive – Roadkill Monitoring Report – January to March 2019

This report details the results of roadkill monitoring activities for the Tarkine Drive over the first three-month period of 2019, and is the twenty first 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.

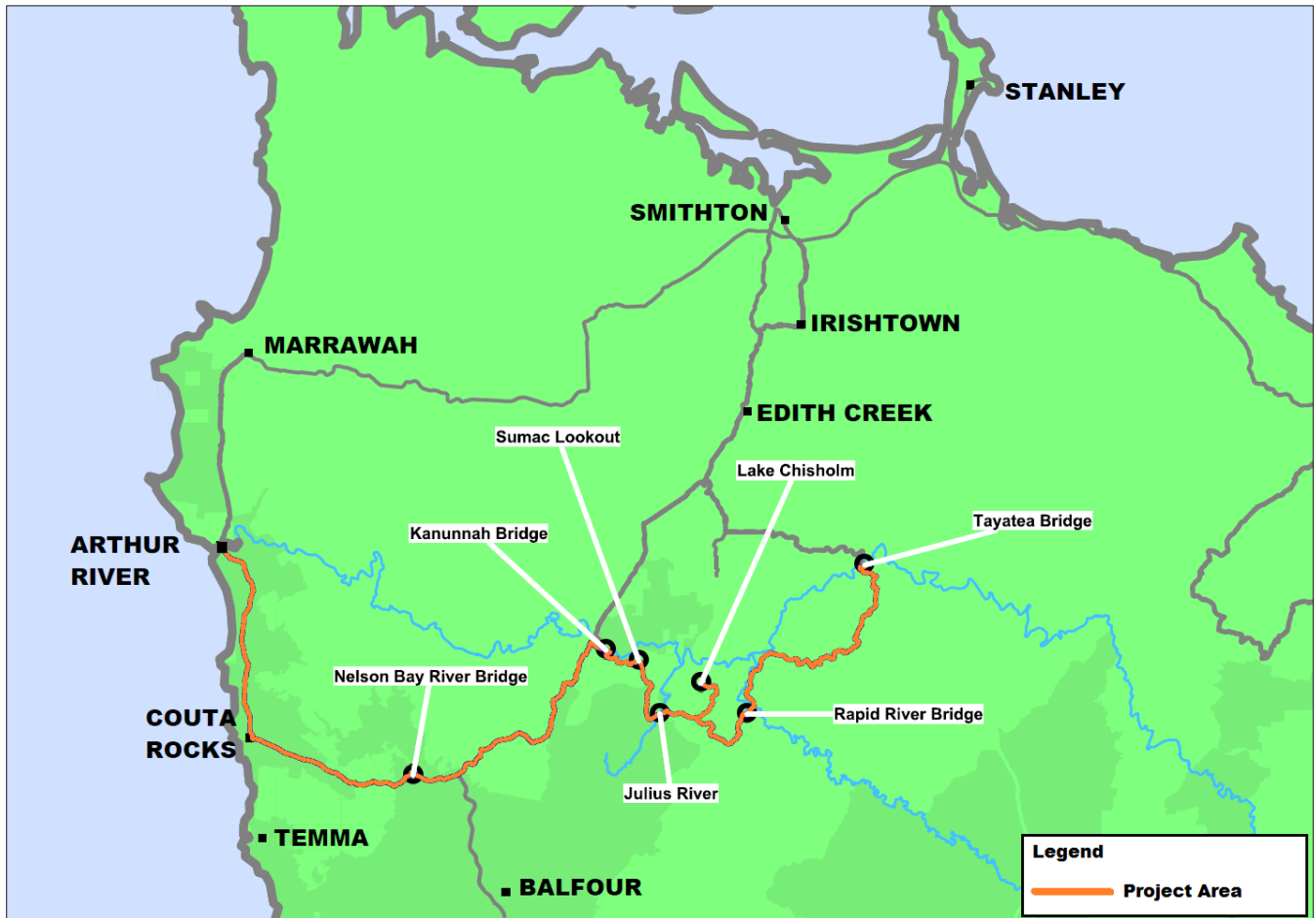


Image 1. Map of project area.

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.

Tarkine Drive – Roadkill Monitoring Report – January to March 2019

Monitoring results for this three-month period are detailed in appendices at the end of this report. Three roadkill wallabies were recorded on the Tarkine Drive during this period (see Table 1 in Appendix A).

Across the project area, roadkill numbers continue to 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.

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.

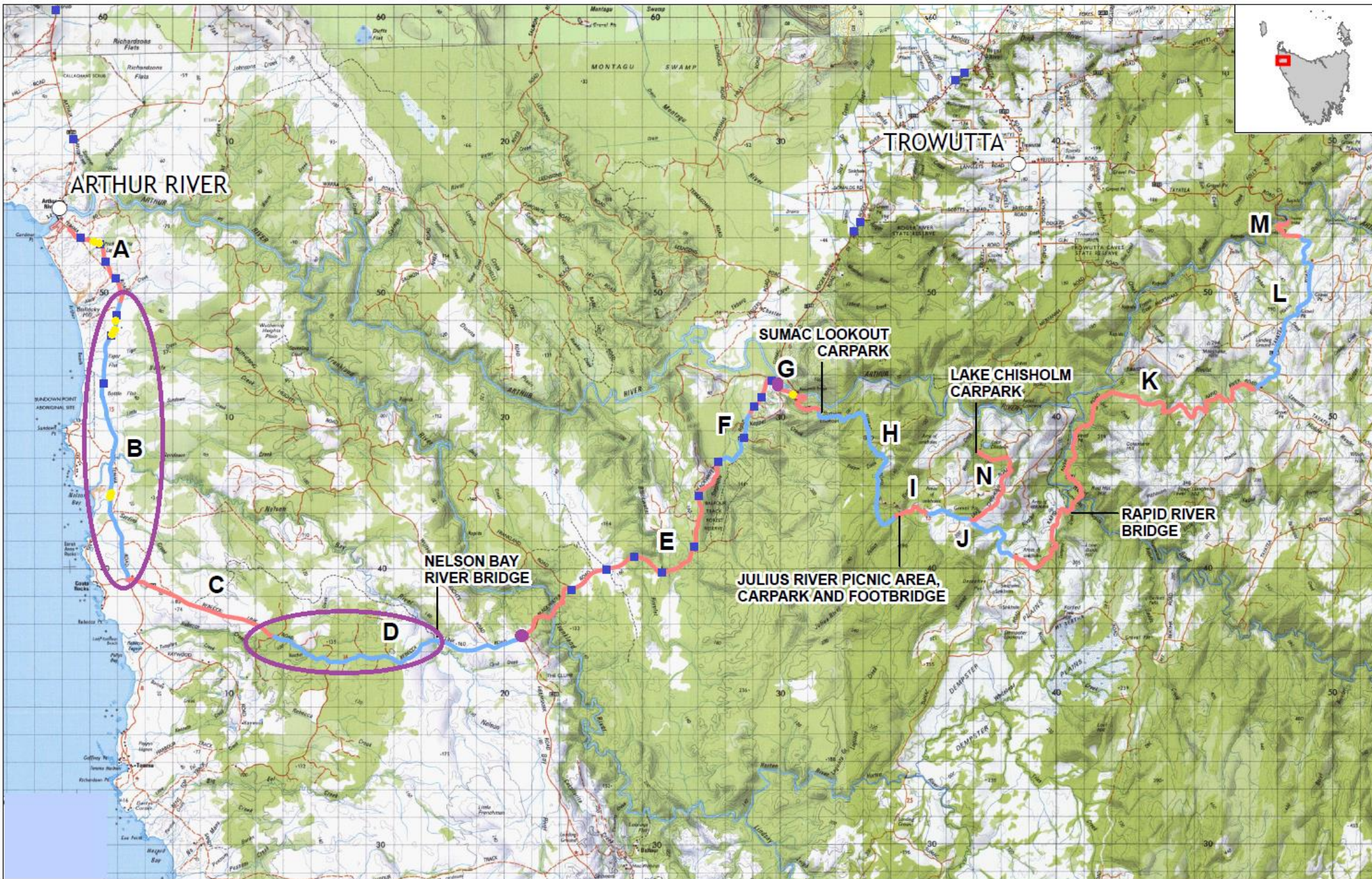
Tarkine Drive – Roadkill Monitoring Report – January to March 2019


Appendix A: Tables of Results

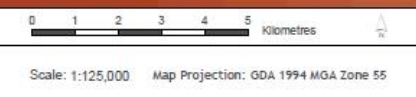
Table 1 Q1 Tarkine Upgrade Roadkill Monitoring Results

Date	Time	Common Name	Body Condition	Eastings	Northings	GPS Error	Impact Type	Other Circumstances
27/2/19	9.15	Bennetts Wallaby	Healthy	314364	5436833	10	Vehicle	
27/2/19	9.30	Bennetts Wallaby	Healthy	316693	5436970	10	Vehicle	
27/2/19	11.30	Bennetts Wallaby	Healthy	327506	5443206	10	Vehicle	

Appendix B: Map of Installed Mitigation Measures




 Data sources:
 Base image by TASMAP (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