

# **Tree Survey**

## **Proposed Clearing Area**



### **Mountford Road**

**(SLK 0.00 and SLK 0.55)**

### **Shire of Dardanup**

July 2019  
*Version 1*

***On behalf of:***  
Shire of Dardanup  
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FIGURE 1: Mountford Road Feature Tree Clearing Overview Map

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## **1. INTRODUCTION**

This report details the results of a tree survey carried out over a section Mountford Road in the Shire of Dardanup (the Shire) between SLK 0.00 and SLK 0.55.

The Shire is planning to upgrade the condition of the road in the near future and the removal of some existing roadside trees will be required. So as to comply with native vegetation clearing regulations the Shire will be applying for a clearing permit from the Department of Water and Environmental Regulation (DWER). The information in this report has been gathered to assist DWER in assessing the application.

An initial tree survey over the proposed clearing area was undertaken by Jackie Nichol (Senior Environmental Officer – Shire of Dardanup) on 17 July 2019. This survey identified the presence of 24 trees that will require removal. At the time none of the trees were identified as containing hollows suitable for black cockatoos. To confirm their status and to allow for completion of this report a follow up survey was carried out on the 25 July 2019 by Jackie Nichols and Greg Harewood (consultant Zoologist).

## **2. SCOPE OF WORKS**

The scope of works was to re-examine the 24 trees that fall within the works footprint and determine if any contain hollows suitable or potentially suitable for black cockatoos to use for nesting purposes to a standard acceptable by DWER.

## **3. METHODS**

An initial site survey of the works footprint was undertaken by Jackie Nichol (Senior Environmental Officer – Shire of Dardanup) on 17 July 2019. The assessment involved an assessment of all tree species within the permit area (of any size) with special attention paid to those containing hollows or apparent hollows.

All the trees identified during the initial site inspection were re-examined on the 25 July 2019 by Jackie Nichol and Greg Harewood (Zoologist). Each tree was examined in detail from ground level with the primary aim of identifying any large or potentially large hollows. A drone (DJI Mavic Air) was available to assess hollows (if any) that required closer inspection.

## 4. RESULTS

The works footprint contains 24 trees of various species and sizes, details of which can be found in Appendix A. The location of each tree is shown in Figure 1.

The majority of the trees are marri (*Corymbia calophylla*) (18) with the balance being jarrah (*Eucalyptus marginata*) (3) or dead and unidentifiable (3).

None of the trees present were found to contain hollows that would be suitable or potentially suitable for black cockatoos. The vegetation was also found to be completely degraded with groundcover dominated by sparse grassland of introduced weed species.

## 5. CONCLUSION

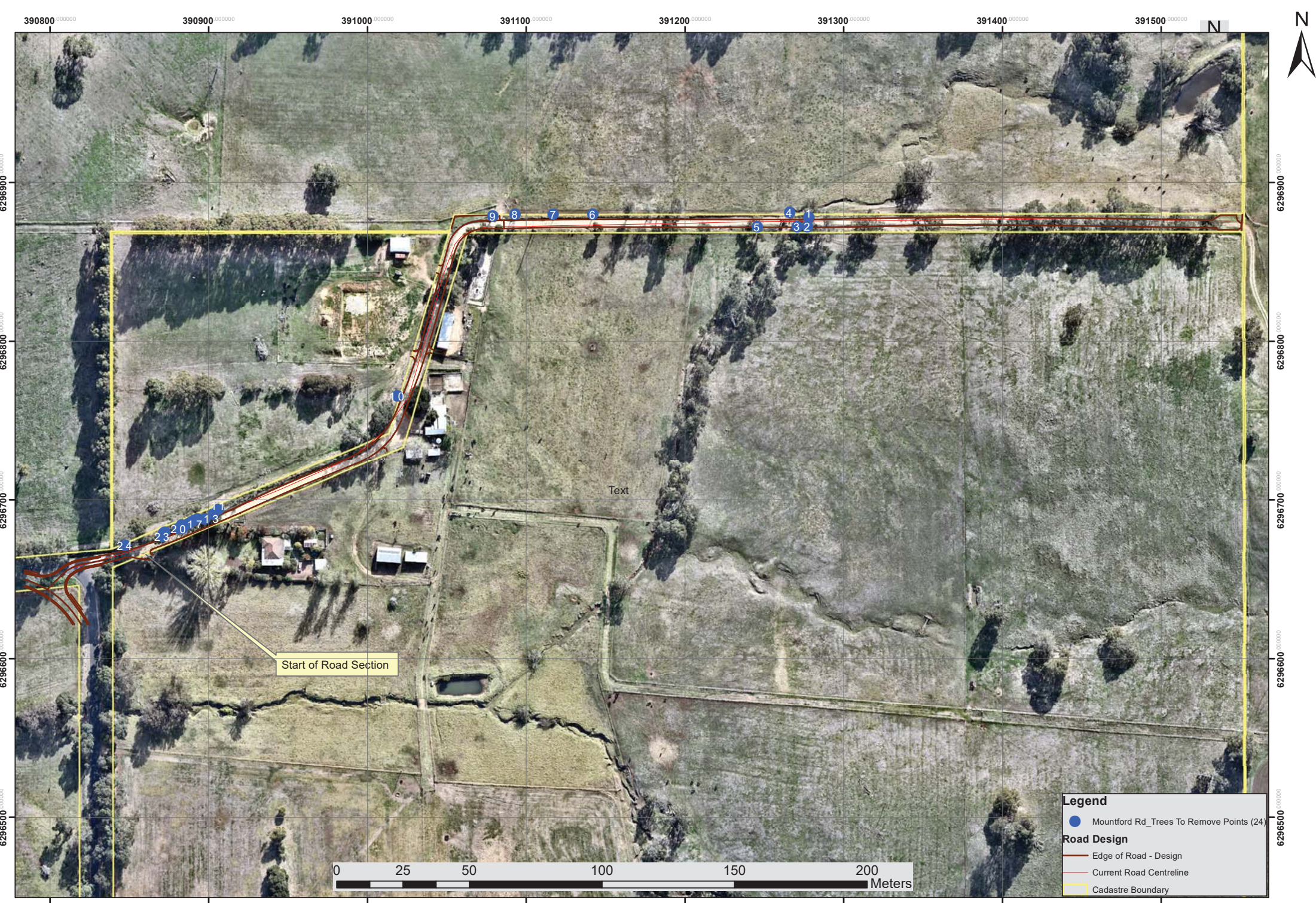
The assessment reported on here was primarily undertaken to document vegetation within the proposed clearing area and to identify any trees with existing hollows suitable or potentially for black cockatoos to use for nesting.

No trees within the proposed works footprint were observed to contain hollows suitable for black cockatoos. Given this fact it is the Authors opinion that the removal of these trees will therefore have no direct impact on any of the three species known to frequent the general area. The vegetation present was also found to be completely degraded and unlikely to support any other fauna of conservation significance.

This report should be forwarded to DWER for their consideration.

# FIGURES





**Legend**

- Mountford Rd\_Trees To Remove Points (24)
- Road Design**
- Edge of Road - Design
- Current Road Centreline
- Cadastre Boundary

Mountford Road Tree Clearing Areas Overview Map - Dardanup Shire

Date: 09 July 2019  
GDA94 MGA Zone50



# APPENDIX A

## TREE DETAILS

Location	Date	Assessor	Tree number	mE	mN	Tree photo	Tee Species	Comments	Recommendations	Additional comments
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	1	391278	6296875	1,2	Marri	Marri, large. Diameter 2m, has canker. Height to 10m. South side	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	2	391271	6296874	3,4	Marri	Marri, trunk damaged by vehicles, has a stamp 3694 in blue on it. Height 7m, canker diameter 90cm. South side	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	3	391268	6296872	5,6,7	Marri	Marri, on angle facing n/E has a nest. Can't see detail. South side	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	4	391266	6296881	8	Dead	damaged/dead tree, height 7m diameter 30cm .South side	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	5	391245	6296874	9	Marri	North side of road, Marri, split stem, 1.5m diameter	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	6	391142	6296880	10	Dead	Dead stump, north side of road. 4m high	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	7	391117	6296880	11	Dead	Dead stump, north side of road. 12m high	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	8	391093	6296880	12	Marri	Marri, scar at front. North side, top canopy removed diamter 50cm, wonky stem	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	9	391079	6296879	13, 14 a,14b	Marri	Marri, diameter 1.2m trunk. Regrowth hiding middle of stem which appears broken.	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	10	391019	6296768	15,16	Marri	2m diameter Marri 15m high canopy damaged and small	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	11	390906	6296694	17,18	Marri	Marri small. North side, frst one of a row heading west. 8m high, 60cm diameter stem, healthy crown.	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	12	390903	6296691	19	Marri	Small Marri, 4m high diameter 25cm	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	13	390896	6296689	20,21	Marri	Marri, diameter 1.2m height 20-25m. Healthy.	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	14	390893	6296688	22,23	Marri	Marri, 40cm diametrer height 15m not much canopy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	15	390891	6296687	24	Marri	Marri, small, diameter 15cm height 6m	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	16	390889	6296686	25,26	Marri	Marri, large healthy, diameter 1.4m healthy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	17	390887	6296685	27,28	Marri	Marri, large healthy, diameter 1.4m healthy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	18	390883	6296684	29	Marri	Marri, diameter 2m sloughing bark looks like animal activity? Not much canopy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	19	390882	6296683	30	Marri	Marri, small diameter 20cm, height 3m	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	20	390881	6296683	31,32	Jarrah	Jarrah, split stem 20m high, not much canopy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	21	390874	6296680	33	Marri	Marri, small 20cm diamter, 12m high	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	22	390872	6296679	34	Jarrah	Jarrah 15m high, not much canopy	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	23	390869	6296678	35	Jarrah	Jarrah small, 6m high	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed
Mountford Road , Crooked Brook	17-07-2019	Jackie Nichol	24	390847	6296672	36-39	Marri	Marri, large. 30m high, stem 2.5m diameter.	No nest hollows, ok to remove	Re-examined 25/07/2019 - Status Confirmed



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The conclusions are based upon field data and the environmental monitoring and/or testing carried out over a limited period of time and are therefore merely indicative of the environmental condition of the site at the time of preparing the report. Also it should be recognised that site conditions, can change with time.

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