



1st June 2011

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By Email: Jaime.villani@roads.vic.gov.au

Dear Jaime,

**RE: DINGLEY CORRIDOR, WESTALL ROAD BETWEEN THE DINGLEY BYPASS
AND SPRINGVALE ROAD
FLORA AND FAUNA ASSESSMENT
BL&A PROJECT NO. 8094.14**

INTRODUCTION

VicRoads Eastern Projects engaged Brett Lane & Associates Pty Ltd to undertake a Flora and Fauna Assessment and tree census of a 2000 metre length of Westall Road – Springvale Road as part of the project for the Dingley Corridor, Keysborough. This letter can be referred to as **Report No. 8094 (14.0)**.

This assessment was required to address relevant legislative and policy requirements and to inform the planning process for development of the Dingley Corridor ensuring that it is undertaken according to the principles of ecologically sustainable development. This involved the following scope of work:

- Existing information on flora and fauna of the area was reviewed (e.g. DSE Flora Information System and Atlas of Victorian Wildlife; EPBC Act Protected Matters Search Tool);
- An ecological assessment of the site was undertaken involving:
 - Compilation of flora and fauna species lists for the site. This involved:
 - Incidental records of flora species made based on intuitive sampling methods within all vegetation types and landforms.
 - Specimens requiring identification using laboratory techniques were collected.
 - Incidental searches for mammal scats, tracks and signs (e.g. diggings, signs of feeding and nests/burrows) was undertaken;
 - Turning over logs and other ground debris for reptiles, frogs and mammals;
 - Bird observation during the day;
 - General searches for reptiles and frogs; including identification of frog calls in seasonally wet areas; and
 - General searches for bat habitat including potential roosting sites such as dead trees with hollows and underneath bark of trees.

- Characterisation to EVC of remnant native vegetation present;
 - Habitat Hectare assessment of native vegetation
 - Assessment of the nature and quality of native fauna habitat;
 - Mapping of remnant native vegetation and native fauna habitat;
 - Assessment of the likelihood of occurrence of threatened flora and fauna within each habitat recorded within the study area.
- Maps were prepared of the study area showing the results of the assessment;

The site inspection was carried out on 24th May 2011. This assessment was undertaken by a team from Brett Lane and Associates comprising Brett Macdonald (Botanist), Peter Lansley (Zoologist) and Alan Brennan (Senior Ecologist and Project Manager).

The study area for this investigation (Figures 1 to 4) is on public land located at Keysborough, 25 kilometres south-east of Melbourne's CBD. It comprises the median strip of Westall Road, from Spring Road to Springvale Road, and the road reserve on each side of Westall Road from a point approximately 650 metres north-west of Rowans Road, to Springvale Road. The study area is flanked by a former tip site and residential suburb on either side of Westall Road. An area extending from 300 metres north-west of Rowan Road to Springvale Road has previously been assessed by Brett Lane & Associates Pty Ltd (BL&A 2008, 2011).

The study area lies within the Gippsland Plain bioregion and falls within the Port Phillip and Westernport catchment. It is currently zoned Road Zone in both the Greater Dandenong and Kingston planning schemes where it bisects the boundary of the two municipalities. No overlays relevant to this investigation cover the study area.

METHODS

Existing information on flora and fauna used for this investigation is described below. Note that 'study area' refers to the median strip of Westall Road, from Spring Road to Springvale Road, and the road reserve on each side of Westall Road from a point approximately 650 metres north-west of Rowans Road, to Springvale Road. Existing information has been obtained from a wider area, termed the 'search region' defined for this assessment as an area with radius five kilometres from the approximate centre point of the study area of coordinates: latitude 37° 58' 49" S and longitude 145° 08' 35" E.

Flora

Flora records from the Viridans Flora Information System (FIS), a database administered by the Department of Sustainability and Environment were obtained. This database search listed all plant species, including rare and threatened plants found in the search region.

The likelihood of suitable habitat in the study area for nationally threatened flora species was ascertained through a search of the online *Environment Protection and Biodiversity Conservation Act 1999* Protected Matters Search Tool (DEWHA 2010) using the same search region.

Incidental records of more notable flora species were made based on intuitive sampling methods within all vegetation types and landforms. All trees were documented and plotted on a map.

Plant taxonomy used throughout this report follows the FIS standards.

Potential habitat in the study area was noted for rare or threatened flora listed under the federal *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), state *Flora and Fauna Guarantee Act 1988* (FFG Act) and DSE's advisory list of rare or threatened plants in Victoria (DSE 2005).

Native vegetation

Pre-1750 (pre-European settlement) vegetation mapping was reviewed to determine the type of native vegetation likely to occur in the study area. Information on Ecological Vegetation Classes was obtained from published EVC benchmarks. These sources included:

- Relevant EVC benchmarks for the Bioregion Name/s bioregion¹ (DSE 2009); and
- Biodiversity Interactive Maps (DSE 2010).

Native vegetation within the study area was defined as belonging one of to three categories in accordance with DSE guidelines:

- Remnant patch;
- Scattered trees; and
- Degraded treeless vegetation.

Remnant patches of native vegetation comprise indigenous plant species considered part of a clearly definable EVC and are defined by the DSE as:

- An area of native vegetation, with or without trees, where at least 25% of the understorey cover is indigenous (excluding bare ground); and/or
- "A group (*i.e. three or more*) of trees where the tree canopy cover is at least 20%" (DSE 2007a).

Scattered trees are defined by DSE (2007a) as indigenous trees with a diameter at breast height (1.3 metres) (DBH) > 10 cm "*within an area where at least 75% of the total understorey plant cover is introduced vegetation and the overall canopy cover for a group (*i.e. three or more*) of the tree is less than 20%*".

Degraded treeless vegetation comprises all other vegetation (DSE 2007a) including:

- Wetlands;
- Treeless vegetation with less than 25% total cover of indigenous species (excluding bare ground); or

¹ A bioregion is defined as "a geographic region that captures the patterns of ecological characteristics in the landscape, providing a natural framework for recognising and responding to biodiversity values". In general bioregions reflect underlying environmental features of the landscape (DNRE 1997).

- Treeless vegetation that has greater than 25% total cover of indigenous species (excluding bare ground) but is dominated by a small number of opportunistic native species which were unlikely to have been dominant prior to a disturbance event (e.g. cropping).

Any potential occurrence in the study area for ecological communities listed as threatened under the EPBC Act and FFG Act was also noted.

Fauna

A list of the fauna species recorded in the search region was obtained from the Atlas of Victorian Wildlife (AVW), a database administered by the Department of Sustainability and Environment.

Fauna taxonomy used throughout this report follows the AVW nomenclature, and Christidis and Boles (2008) where appropriate.

The presence or likelihood of occurrence in the study area of nationally threatened fauna species was obtained through the *Environment Protection and Biodiversity Conservation Act Protected Matters Search Tool* (DEWHA 2010).

Potential habitat in the study area was noted for rare or threatened fauna listed under the federal *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), state *Flora and Fauna Guarantee Act 1988* (FFG Act) and DSE's advisory list of threatened vertebrate fauna in Victoria (DSE 2007).

Limitations

Weather conditions were cool to cold with a moderate to fresh southerly breeze. One or two rain squalls briefly passed through the area during the survey. Less than five trees were unable to be definitively identified due to their apparent poor health and consequent lack of identifying material. These trees did not reach threshold size for small trees and were all assessed as planted rather than remnant. Conditions were suitable for finding most birds and mammals except some migratory birds, but spring and summer breeding frogs, and all reptiles would have been difficult to detect owing to the cold conditions.

Identification of trees as either indigenous or planted proved problematic. Industry best practice dictates that provided trees are indigenous to a particular region, are consistent with what would be expected in a particular EVC, don't occur on obvious artificial substrate and don't display obvious signs of being planted, then they are considered to be remnant indigenous trees, and subject to the provisions of the Framework. This approach was applied during the current investigation.

As the primary purpose of the investigation was to assess the extent and quality of native vegetation and fauna habitats in the study area, the review of existing information, combined with the field survey was considered sufficient to complete this aspect of the assessment.

RESULTS

Site description

The study area was found to comprise a mostly modified substrate on a flat landscape; earthworks have formed drains at the side of each carriageway. Observed vegetation consisted of a mixture of planted and remnant trees, planted shrubs and various introduced pasture grasses and weeds.



Flora

Likelihood of occurrence of threatened flora species

The potential occurrence in the study area of threatened flora and fauna species was assessed, and it was concluded that no species listed as threatened under the following Acts/directories were likely to occur there due to the absence of suitable habitat:

- Federal *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act);
- State *Flora and Fauna Guarantee Act 1988* (FFG Act); and
- DSE's advisory list of threatened Victorian flora and fauna species (DSE 2005, 2007).

Vegetation

Pre-European EVC mapping (DSE 2010) indicates that the study area and surrounds would have supported Damp Sands Herb-rich Woodland/Heathy Woodland mosaic (EVC 881) prior to European settlement based on modelling of factors including rainfall, aspect, soils and remaining vegetation.

Based on evidence on site, such as landform, soil type and canopy tree species present, the study area was deemed to have formally supported Damp Sands Herb-rich Woodland (EVC 3).

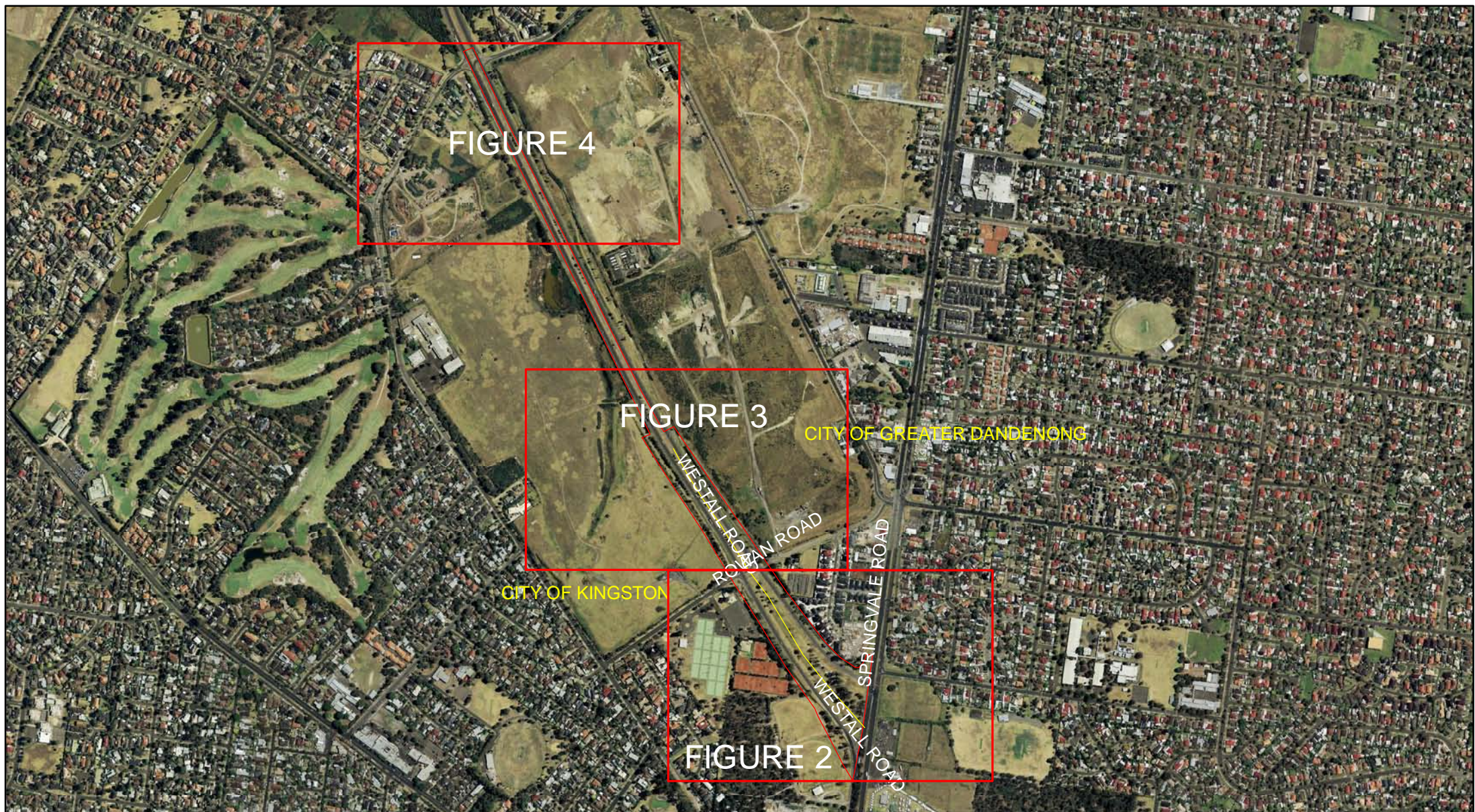
No patches of intact native vegetation occurred in the study area, although numerous remnant indigenous scattered trees, planted indigenous scattered trees and planted non-indigenous scattered trees were recorded throughout the study area. These are listed in detail in Appendix 1 and presented in Figures 1 to 4.

Fauna

The fauna habitat present in the study area is described as urban parkland. The quality of this habitat was assessed as low, due to the extent of modification from pre-European settlement conditions.

Fewer than ten fauna species were detected during the field inspection. These were all common, widespread bird species adapted to living in urban or degraded natural habitats. Only the Australian Magpie (*Cracticus tibicen*), Eastern Rosella (*Platycercus eximius*), Little Corella (*Cacatua sanguinea*), Little Raven (*Corvus mellori*), Magpie-lark (*Grallina cyanoleuca*) Musk Lorikeet (*Glossopsitta concinna*), Noisy Miner (*Manorina melanocephala*) and Rainbow Lorikeet (*Trichoglossus haematodus*) were recorded. Diggings of the European Rabbit (*Oryctolagus cuniculus*), and diggings probably of the Black Rat (*Rattus rattus*) were also observed. A previous visit on 6th December 2010 recorded one additional species: the Common Myna (*Sturnus tristis*).

Previous database searches and field surveys found that the Grey-headed Flying-fox (*Pteropus poliocephalus*) and Swift Parrot (*Lathamus discolor*) were the only listed threatened fauna species likely to occur but not to the extent of being regular visitors to the site (BL&A 2008, 2010). The current investigation confirmed the results of these previous assessments in relation to the status and significance of the area for threatened fauna and it is considered that no species of listed threatened fauna would occur regularly in the study area.



Legend

- Study Area
- Local Government Boundary

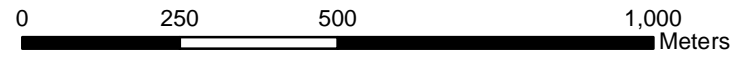


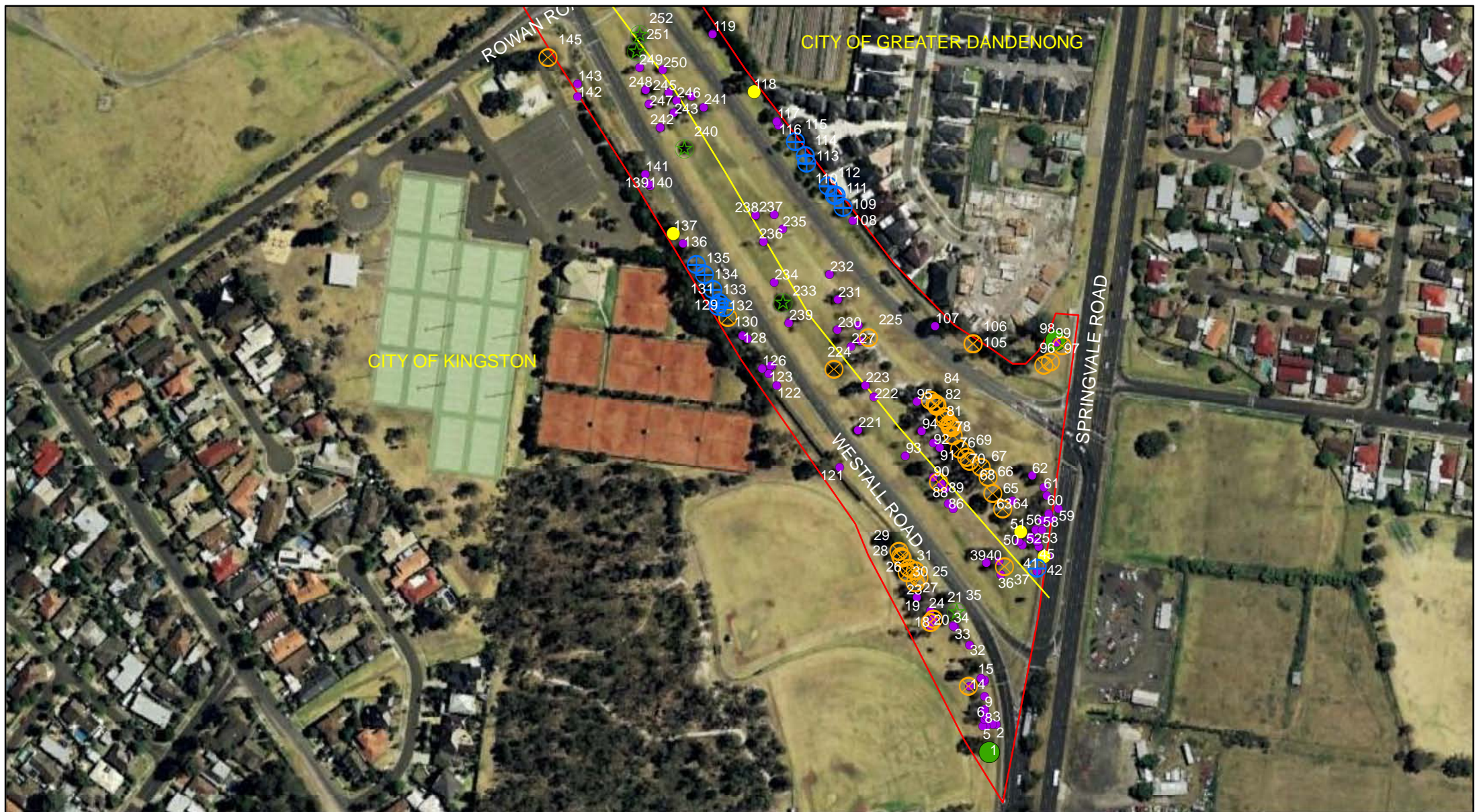
Figure 1: Overview of Study Area

Project: Dingley Corridor - Keysborough

Client: VicRoads Eastern Projects

Project No.: 8094.14 **Date:** 06/01/2011 **Created By:** B.Macdonald / N.Raska

<ul style="list-style-type: none"> ● Experience ● Knowledge ● Solutions 	Brett Lane & Associates Pty. Ltd. Ecological Research & Management 25 Burwood Rd, Hawthorn PO Box 74, Richmond VIC 3121 Australia	ph (03) 9815 2111 fax (03) 9815 2685 blane@ecologicalresearch.com.au www.ecologicalresearch.com.au	
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Legend

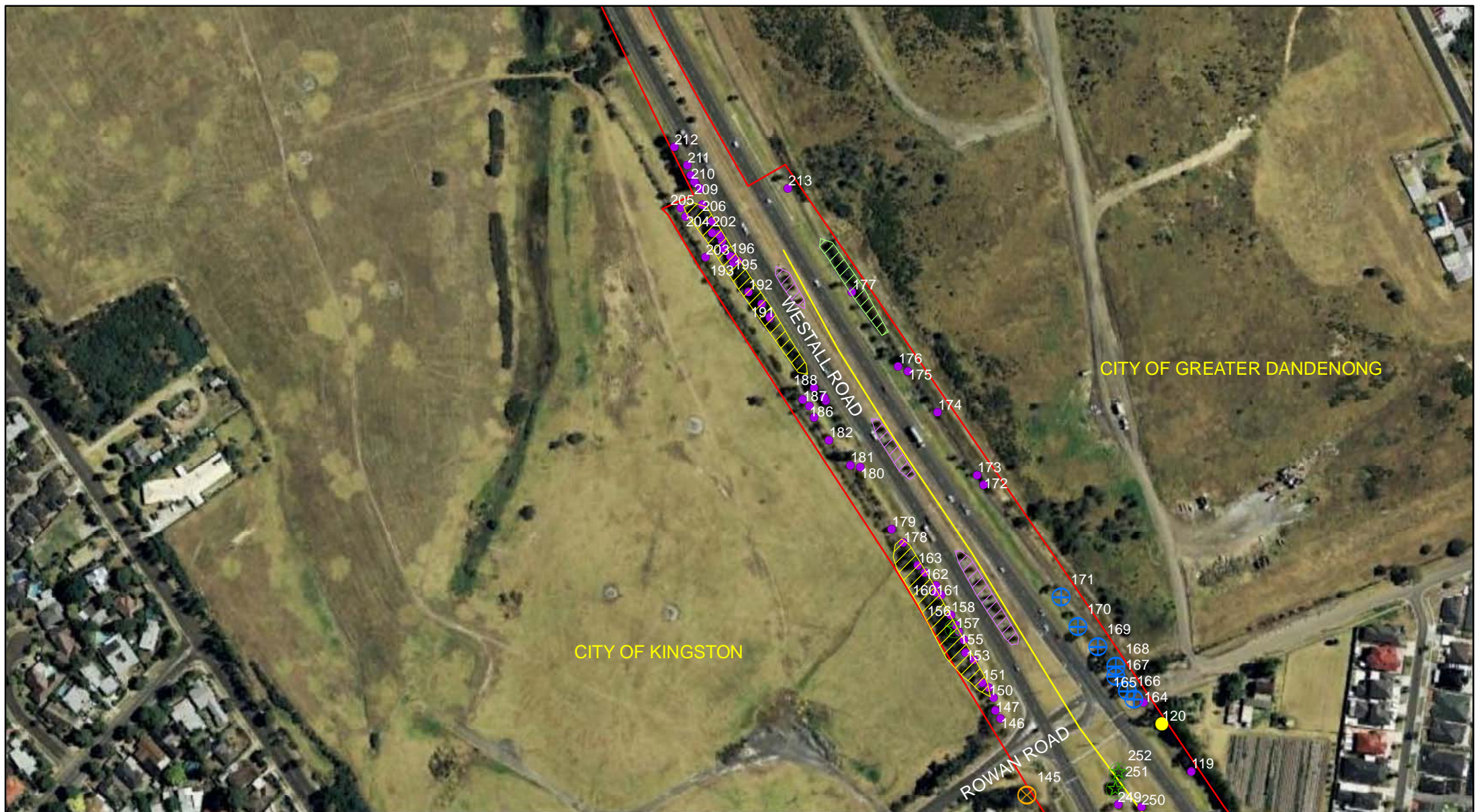
- Study Area
- Local Government Boundary
- ⊕ Planted indigenous canopy tree
- ⊗ Planted non-indigenous trees/ with hollows/shrubs
- ☆ Remnant indigenous non-canopy tree

Remnant indigenous canopy trees

- Small
- Medium
- Large
- Burgan and Swamp Paperbark regrowth
- Planted Black Sheoak
- Planted Black Sheoak and Introduced Shrubs
- Swamp Paperbark regrowth



Figure 2: Study Area - South		
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Client: VicRoads Eastern Projects		
Project No.: 8094.14	Date: 06/01/2011	Created By: B.Macdonald / N.Raska
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Legend

- Study Area
- Local Government Boundary
- ⊕ Planted indigenous canopy tree
- ⊗ Planted non-indigenous trees/ with hollows/shrubs
- ☆ Remnant indigenous non-canopy tree

Remnant indigenous canopy trees

- Small
- Medium
- Large

- Burgan and Swamp Paperbark regrowth
- Planted Black Sheoak
- Planted Black Sheoak and Introduced Shrubs
- Swamp Paperbark regrowth



Figure 3: Study Area - Central		
Project: Dingley Corridor - Keysborough		
Client: VicRoads Eastern Projects		
Project No.: 8094.14	Date: 06/01/2011	Created By: B.Macdonald / N.Raska
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Legend

- Study Area
- Local Government Boundary
- ⊕ Planted indigenous canopy tree
- ⊗ Planted non-indigenous trees/ with hollows/shrubs
- ☆ Remnant indigenous non-canopy tree

- Remnant indigenous canopy trees
 - Small
 - Medium
 - Large
- Burgan and Swamp Paperbark regrowth
- Planted Black Sheoak
- Planted Black Sheoak and Introduced Shrubs
- Swamp Paperbark regrowth



Figure 4: Study Area - North

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Client: VicRoads Eastern Projects

Project No.: 8094.14 Date: 06/01/2011 Created By: B.Macdonald / N.Raska

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IMPLICATIONS

This section provides an outline of the regulatory issues related to the flora, fauna and native vegetation present, or potentially present, in the study area. The implications under national, state and local legislation and policies are discussed.

Planning Controls

Removal of native vegetation on allotments of 0.4 hectares or more requires a planning permit under Clause 52.17 of all Victorian Planning Schemes. Before issuing a planning permit, Responsible Authorities are obligated to refer to Clause 12.01 (Biodiversity) in the Planning Scheme. This refers in turn to the Native Vegetation Management Framework, discussed in the following section.

The proponent has an exemption from requiring a planning permit under Clause 52.17 of the Greater Dandenong Planning Scheme. This only applies to that part of the study area north of the centre-line of Westall Road (see Figures 1 to 4). Therefore, no permit is required under this clause to remove any trees from within that part of the study area. Nevertheless, the proponent has agreed to offset the removal of any remnant indigenous scattered canopy trees under the net gain principles of the Native Vegetation Framework.

That part of the study area that lies south of the centre-line of Westall Road is under the jurisdiction of the City of Kingston (see Figures 1 to 4), where no such vegetation removal exemption applies. Therefore, the removal of remnant indigenous scattered canopy trees from there would need to be offset under the provisions of the Framework.

Any proposal to develop the land will most likely involve the removal of the majority of scattered canopy trees in the study area. This removal may trigger a referral to DSE, depending on the number of remnant indigenous scattered trees proposed to be removed from the southern side of Westall Road.

Native Vegetation Management Framework

Any proposal to develop the land that involves the removal of remnant indigenous scattered canopy trees will result in either 'protect and recruit' or 'recruit only' offsets. Offset targets for any proposed removal of remnant indigenous scattered canopy trees are listed in detail in Appendix 1.

As offsetting in public road reserves is not permitted under DSE guidelines, an appropriate third party offset site (i.e. site located on another property) would need to be identified through discussions with the Responsible Authority or with the DSE BushBroker coordinator. The cost for the protection of each small tree via the DSE Bushbroker varies on a case by case basis.

EPBC Act

The *Environment Protection and Biodiversity Conservation Act 1999* contains a list of threatened species and ecological communities that are considered to be of national conservation significance. Any impacts on these species considered significant requires the approval of the Australian Minister for the Environment. If there is a possibility of a significant impact on nationally threatened species or communities or listed migratory species, a Referral under the EPBC Act should be considered. If the activity requires an assessment it will be designated a



'controlled action' and an assessment process usually lasting between three and nine months will be required, followed by approval by the Australian Minister for the Environment.

It is considered there is no potential for threatened flora or fauna species or ecological communities listed under the EPBC Act to occur in the study area and therefore no referral, assessment or approval for the proposed works is required under this Act.

FFG Act

The Victorian *Flora and Fauna Guarantee Act 1988* lists threatened flora and fauna species to provide for their protection and management. The FFG Act has limited direct application to private land. However, Clause 12.01 of the Planning Scheme makes reference to this Act. The local planning authority is likely to consider impacts on FFG Act-listed species and communities when deciding on planning permit applications.

The removal of threatened species or communities, or protected flora under the FFG Act from public land requires a licence under the Act. This licence is obtained from the Department of Sustainability and Environment. As the road reserve is public land, this Act will apply to any proposed works.

Several remnant Black Wattles occur in the study area (see Figures 1 to 4). This species is listed as protected under the FFG Act, and any proposed removal would therefore require a licence from DSE. A separate form is available from the DSE website that can be completed and sent directly to DSE for their assessment and approval of the proposed removal of the wattles.

No FFG Act listed fauna species are likely to occur regularly in the study area and therefore there are no fauna implications under the Act.

DSE Advisory Lists

Rare and threatened species advisory lists administered by the DSE include flora and fauna species known to be rare or threatened throughout the state (DSE 2005, 2007). Although the advisory list has no statutory status, the Responsible Authority will consider impacts on any species on the list when assessing a planning application.

No flora or fauna species listed on the DSE *Rare and Threatened Species Advisory Lists* were recorded during the current assessment, and nor are any considered likely to occur regularly in the study area because of the absence of suitable habitat.

CONCLUSIONS

The following implications would pertain to any proposal to develop the study area:

- A permit would be required under Clause 52.17 of the state planning scheme to remove any remnant indigenous scattered canopy trees from that part of the study area under the jurisdiction of the City of Greater Dandenong;



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- The removal of remnant indigenous scattered canopy trees from that part of the study area under the jurisdiction of the City of Kingston would require offsetting according to the Framework;
- As offsetting in public road reserves is not permitted under DSE guidelines, the offset would need to occur in an appropriate third party offset site; and
- There are no implications for the proposed development under the EPBC Act, FFG Act and DSE Advisory lists of threatened species.

We look forward to being of further assistance. If you have any questions please do not hesitate to call me.

Yours sincerely,

Alan Brennan
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REFERENCES

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Department of Sustainability and Environment 2010, *Biodiversity Interactive*
Map 3.1. Department of Sustainability and Environment, East Melbourne,
Victoria, viewed 8th December 2009, <<http://www.dse.vic.gov.au>>.



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Appendix 1

Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
1	River Red-gum	<i>Eucalyptus camaldulensis</i>	73	Large	Medium	2	15	65	Remnant indigenous canopy tree
2	River Red-gum	<i>Eucalyptus camaldulensis</i>	21	Small	Low	N/A	5	5	Remnant indigenous canopy tree
3	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
4	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	42	Small	Low	N/A	30	30	Remnant indigenous canopy tree
5	Drooping Sheoak	<i>Allocasuarina verticillata</i>	13	Small	Low	N/A	2	2	Remnant indigenous canopy tree
6	Drooping Sheoak	<i>Allocasuarina verticillata</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
7	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
8	River Red-gum	<i>Eucalyptus camaldulensis</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
9	River Red-gum	<i>Eucalyptus camaldulensis</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
10	River Red-gum	<i>Eucalyptus camaldulensis</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree
11	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
12	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	37	Small	Low	N/A	27	27	Remnant indigenous canopy tree
13	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	39	Small	Low	N/A	27	27	Remnant indigenous canopy tree
14	Drooping	<i>Allocasuarina verticillata</i>	37	Small	Low	N/A	27	27	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
	Sheoak								
15	Giant Honey-myrtle	<i>Melaleuca armillaris subsp. armillaris</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native shrub
16	River Red-gum	<i>Eucalyptus camaldulensis</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
17	River Red-gum	<i>Eucalyptus camaldulensis</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
18	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
19	Giant Honey-myrtle	<i>Melaleuca armillaris subsp. armillaris</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native shrub
20	Drooping Sheoak	<i>Allocasuarina verticillata</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
21	River Oak	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
22	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree
23	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	31	Small	Low	N/A	15	15	Remnant indigenous canopy tree
24	River Oak	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
25	River Oak	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
26	River Oak	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
27	River Oak	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
28	River Oak	<i>Casuarina cunninghamiana subsp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native

Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
		<i>cunninghamiana</i>							tree
29	River Oak	<i>Casuarina cunninghamiana</i> subsp. <i>cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
30	River Oak	<i>Casuarina cunninghamiana</i> subsp. <i>cunninghamiana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
31	Giant Honey-myrtle	<i>Melaleuca armillaris</i> subsp. <i>armillaris</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native shrub
32	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
33	Coast Manna-gum	<i>Eucalyptus viminalis</i> subsp. <i>pyoriana</i>	45	Small	Low	N/A	30	30	Remnant indigenous canopy tree
34	Coast Manna-gum	<i>Eucalyptus viminalis</i> subsp. <i>pyoriana</i>	41	Small	Low	N/A	30	30	Remnant indigenous canopy tree
35	Black Wattle	<i>Acacia mearnsii</i>	N/A	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
36	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
37	Golden Wreath Wattle	<i>Acacia saligna</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native shrub
38	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
39	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
40	River Red-gum	<i>Eucalyptus camaldulensis</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
41	Swamp Gum	<i>Eucalyptus ovata</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
42	River Red-	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
	gum								
43	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	48	Small	Low	N/A	30	30	Remnant indigenous canopy tree
44	Swamp Gum	<i>Eucalyptus ovata</i>	53	Medium	Medium	1	15	35	Remnant indigenous canopy tree
45	Swamp Gum	<i>Eucalyptus ovata</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
46	Swamp Gum	<i>Eucalyptus ovata</i>	35	Small	Low	N/A	23	23	Remnant indigenous canopy tree
47	Swamp Gum	<i>Eucalyptus ovata</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
48	Swamp Gum	<i>Eucalyptus ovata</i>	42	Small	Low	N/A	30	30	Remnant indigenous canopy tree
49	Swamp Gum	<i>Eucalyptus ovata</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
50	Swamp Gum	<i>Eucalyptus ovata</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree
51	River Red-gum	<i>Eucalyptus camaldulensis</i>	68	Medium	Medium	1	15	35	Remnant indigenous canopy tree
52	Swamp Gum	<i>Eucalyptus ovata</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
53	Swamp Gum	<i>Eucalyptus ovata</i>	50	Small	Low	N/A	30	30	Remnant indigenous canopy tree
54	Swamp Gum	<i>Eucalyptus ovata</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
55	Swamp Gum	<i>Eucalyptus ovata</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
56	Swamp Gum	<i>Eucalyptus ovata</i>	47	Small	Low	N/A	30	30	Remnant indigenous canopy tree
57	Swamp Gum	<i>Eucalyptus ovata</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
58	Swamp Gum	<i>Eucalyptus ovata</i>	40	Small	Low	N/A	30	30	Remnant indigenous canopy tree
59	Swamp Gum	<i>Eucalyptus ovata</i>	40	Small	Low	N/A	30	30	Remnant indigenous canopy tree
60	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	31	Small	Low	N/A	15	15	Remnant indigenous canopy tree
61	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
62	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	41	Small	Low	N/A	30	30	Remnant indigenous canopy tree
63	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
64	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
65	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
66	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
67	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
68	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
69	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
70	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
71	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dead stag tree with hollows
72	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
73	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
74	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
75	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
76	Southern	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native

Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
	Mahogany								tree
77	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
78	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
79	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dead stag tree with hollows
80	Lemon-scented Gum	<i>Corymbia citriodora subsp. citriodora</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
81	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
82	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
83	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Dead stag tree with hollows
84	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree with hollows
85	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	38	Small	Low	N/A	27	27	Remnant indigenous canopy tree
86	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
87	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
88	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	17	Small	Low	N/A	4	4	Remnant indigenous canopy tree
89	Southern Mahogany	<i>Eucalyptus botryoides</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
90	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
91	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	26	Small	Low	N/A	8	8	Remnant indigenous canopy tree
92	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
93	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	24	Small	Low	N/A	6	6	Remnant indigenous canopy tree
94	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
95	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	52	Small	Low	N/A	30	30	Remnant indigenous canopy tree
96	Yellow Gum	<i>Eucalyptus leucoxylon</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
97	Paperbark	<i>Melaleuca spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native shrub
98	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
99	River Red-gum	<i>Eucalyptus camaldulensis</i>	88	Large	Medium	2	15	65	Remnant indigenous canopy tree
100	River Red-gum	<i>Eucalyptus camaldulensis</i>	40	Small	Low	N/A	30	30	Remnant indigenous canopy tree
101	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
102	Manna Gum	<i>Eucalyptus viminalis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
103	River Red-gum	<i>Eucalyptus camaldulensis</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
104	River Red-gum	<i>Eucalyptus camaldulensis</i>	19	Small	Low	N/A	4	4	Remnant indigenous canopy tree





Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
105	Lemon-scented Gum	<i>Corymbia citriodora subsp. citriodora</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
106	Lemon-scented Gum	<i>Corymbia citriodora subsp. citriodora</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
107	Swamp Gum	<i>Eucalyptus ovata</i>	43	Small	Low	N/A	30	30	Remnant indigenous canopy tree
108	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	26	Small	Low	N/A	8	8	Remnant indigenous canopy tree
109	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
110	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
111	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
112	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
113	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
114	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
115	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
116	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	45	Small	Low	N/A	30	30	Remnant indigenous canopy tree
117	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	22	Small	Low	N/A	6	6	Remnant indigenous canopy tree
118	Swamp Gum	<i>Eucalyptus ovata</i>	56	Medium	Medium	1	15	35	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
119	Swamp Gum	<i>Eucalyptus ovata</i>	20	Small	Low	N/A	5	5	Remnant indigenous canopy tree
120	Swamp Gum	<i>Eucalyptus ovata</i>	68	Medium	Medium	1	15	35	Remnant indigenous canopy tree
121	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	21	Small	Low	N/A	5	5	Remnant indigenous canopy tree
122	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
123	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
124	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
125	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	42	Small	Low	N/A	30	30	Remnant indigenous canopy tree
126	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
127	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	40	Small	Low	N/A	30	30	Remnant indigenous canopy tree
128	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	17	Small	Low	N/A	4	4	Remnant indigenous canopy tree
129	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
130	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
131	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
132	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
133	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
134	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
135	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
136	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	43	Small	Low	N/A	30	30	Remnant indigenous canopy tree
137	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	54	Medium	Medium	1	15	35	Remnant indigenous canopy tree
138	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
139	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	45	Small	Low	N/A	30	30	Remnant indigenous canopy tree
140	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
141	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	41	Small	Low	N/A	30	30	Remnant indigenous canopy tree
142	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	43	Small	Low	N/A	30	30	Remnant indigenous canopy tree
143	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	51	Small	Low	N/A	30	30	Remnant indigenous canopy tree
145	Eucalypt	<i>Eucalyptus spp.</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
146	River Red-gum	<i>Eucalyptus camaldulensis</i>	32	Small	Low	N/A	18	18	Remnant indigenous canopy tree
147	River Red-gum	<i>Eucalyptus camaldulensis</i>	22	Small	Low	N/A	6	6	Remnant indigenous canopy tree
148	River Red-gum	<i>Eucalyptus camaldulensis</i>	22	Small	Low	N/A	6	6	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
149	River Red-gum	<i>Eucalyptus camaldulensis</i>	24	Small	Low	N/A	6	6	Remnant indigenous canopy tree
150	River Red-gum	<i>Eucalyptus camaldulensis</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
151	River Red-gum	<i>Eucalyptus camaldulensis</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
152	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
153	River Red-gum	<i>Eucalyptus camaldulensis</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
154	River Red-gum	<i>Eucalyptus camaldulensis</i>	43	Small	Low	N/A	30	30	Remnant indigenous canopy tree
155	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
156	Lightwood	<i>Acacia implexa</i>	20	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
157	River Red-gum	<i>Eucalyptus camaldulensis</i>	20	Small	Low	N/A	5	5	Remnant indigenous canopy tree
158	River Red-gum	<i>Eucalyptus camaldulensis</i>	38	Small	Low	N/A	27	27	Remnant indigenous canopy tree
159	River Red-gum	<i>Eucalyptus camaldulensis</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
160	River Red-gum	<i>Eucalyptus camaldulensis</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
161	River Red-gum	<i>Eucalyptus camaldulensis</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
162	River Red-gum	<i>Eucalyptus camaldulensis</i>	38	Small	Low	N/A	27	27	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
163	River Red-gum	<i>Eucalyptus camaldulensis</i>	22	Small	Low	N/A	6	6	Remnant indigenous canopy tree
164	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
165	Swamp Gum	<i>Eucalyptus ovata</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
166	Swamp Gum	<i>Eucalyptus ovata</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
167	Swamp Gum	<i>Eucalyptus ovata</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
168	Swamp Gum	<i>Eucalyptus ovata</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
169	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
170	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
171	River Red-gum	<i>Eucalyptus camaldulensis</i>	N/A	N/A	N/A	N/A	N/A	N/A	Planted indigenous canopy tree
172	Swamp Gum	<i>Eucalyptus ovata</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
173	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	37	Small	Low	N/A	27	27	Remnant indigenous canopy tree
174	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree
175	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	38	Small	Low	N/A	27	27	Remnant indigenous canopy tree
176	River Red-gum	<i>Eucalyptus camaldulensis</i>	34	Small	Low	N/A	18	18	Remnant indigenous canopy tree
177	River Red-gum	<i>Eucalyptus camaldulensis</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
178	River Red-gum	<i>Eucalyptus camaldulensis</i>	26	Small	Low	N/A	8	8	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
179	River Red-gum	<i>Eucalyptus camaldulensis</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
180	River Red-gum	<i>Eucalyptus camaldulensis</i>	42	Small	Low	N/A	30	30	Remnant indigenous canopy tree
181	River Red-gum	<i>Eucalyptus camaldulensis</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
182	River Red-gum	<i>Eucalyptus camaldulensis</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
183	River Red-gum	<i>Eucalyptus camaldulensis</i>	19	Small	Low	N/A	4	4	Remnant indigenous canopy tree
184	River Red-gum	<i>Eucalyptus camaldulensis</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
185	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
186	River Red-gum	<i>Eucalyptus camaldulensis</i>	32	Small	Low	N/A	18	18	Remnant indigenous canopy tree
187	River Red-gum	<i>Eucalyptus camaldulensis</i>	31	Small	Low	N/A	15	15	Remnant indigenous canopy tree
188	River Red-gum	<i>Eucalyptus camaldulensis</i>	35	Small	Low	N/A	23	23	Remnant indigenous canopy tree
189	River Red-gum	<i>Eucalyptus camaldulensis</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
190	River Red-gum	<i>Eucalyptus camaldulensis</i>	19	Small	Low	N/A	4	4	Remnant indigenous canopy tree
191	River Red-gum	<i>Eucalyptus camaldulensis</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
192	Swamp Gum	<i>Eucalyptus ovata</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
193	River Red-	<i>Eucalyptus camaldulensis</i>	26	Small	Low	N/A	8	8	Remnant indigenous canopy tree





Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
	gum								
194	River Red-gum	<i>Eucalyptus camaldulensis</i>	28	Small	Low	N/A	11	11	Remnant indigenous canopy tree
195	River Red-gum	<i>Eucalyptus camaldulensis</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
196	River Red-gum	<i>Eucalyptus camaldulensis</i>	19	Small	Low	N/A	4	4	Remnant indigenous canopy tree
197	Swamp Gum	<i>Eucalyptus ovata</i>	26	Small	Low	N/A	8	8	Remnant indigenous canopy tree
198	Swamp Gum	<i>Eucalyptus ovata</i>	37	Small	Low	N/A	27	27	Remnant indigenous canopy tree
199	Swamp Gum	<i>Eucalyptus ovata</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
200	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
201	River Red-gum	<i>Eucalyptus camaldulensis</i>	24	Small	Low	N/A	6	6	Remnant indigenous canopy tree
202	River Red-gum	<i>Eucalyptus camaldulensis</i>	35	Small	Low	N/A	23	23	Remnant indigenous canopy tree
203	River Red-gum	<i>Eucalyptus camaldulensis</i>	19	Small	Low	N/A	4	4	Remnant indigenous canopy tree
204	River Red-gum	<i>Eucalyptus camaldulensis</i>	30	Small	Low	N/A	15	15	Remnant indigenous canopy tree
205	River Red-gum	<i>Eucalyptus camaldulensis</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
206	River Red-gum	<i>Eucalyptus camaldulensis</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
207	River Red-gum	<i>Eucalyptus camaldulensis</i>	18	Small	Low	N/A	4	4	Remnant indigenous canopy tree
208	River Red-	<i>Eucalyptus camaldulensis</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree

Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
	gum								
209	River Red-gum	<i>Eucalyptus camaldulensis</i>	23	Small	Low	N/A	6	6	Remnant indigenous canopy tree
210	Swamp Gum	<i>Eucalyptus ovata</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
211	Swamp Gum	<i>Eucalyptus ovata</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
212	Swamp Gum	<i>Eucalyptus ovata</i>	27	Small	Low	N/A	11	11	Remnant indigenous canopy tree
213	River Red-gum	<i>Eucalyptus camaldulensis</i>	29	Small	Low	N/A	11	11	Remnant indigenous canopy tree
214	River Red-gum	<i>Eucalyptus camaldulensis</i>	36	Small	Low	N/A	23	23	Remnant indigenous canopy tree
215	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	25	Small	Low	N/A	8	8	Remnant indigenous canopy tree
216	River Red-gum	<i>Eucalyptus camaldulensis</i>	40	Small	Low	N/A	30	30	Remnant indigenous canopy tree
217	Lightwood	<i>Acacia implexa</i>	18	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
218	Lightwood	<i>Acacia implexa</i>	23	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
219	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	31	Small	Low	N/A	15	15	Remnant indigenous canopy tree
220	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	33	Small	Low	N/A	18	18	Remnant indigenous canopy tree
221	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
222	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
223	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
224	Eucalypt	<i>Eucalyptus spp.</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
225	Eucalypt	<i>Eucalyptus spp.</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Planted non-indigenous native tree
226	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
227	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
228	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
229	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
230	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
231	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
232	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
233	Black Wattle	<i>Acacia mearnsii</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
234	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
235	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
236	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
237	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
238	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
239	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
240	Black Wattle	<i>Acacia mearnsii</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy



Tree No.	Common Name	Scientific name	DBH (cm)	Size Class	Conservation significance	Offset target if removed			Notes
						Protect and Recruit option		Recruit Only option (no. plants)*	
						Protect (no. trees)	Recruit (no. plants)*		
									tree
241	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
242	River Red-gum	<i>Eucalyptus camaldulensis</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
243	Swamp Gum	<i>Eucalyptus ovata</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
244	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
245	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
246	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
247	River Red-gum	<i>Eucalyptus camaldulensis</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
248	Coast Manna-gum	<i>Eucalyptus viminalis subsp. pryoriana</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
249	River Red-gum	<i>Eucalyptus camaldulensis</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
250	Mealy Stringybark	<i>Eucalyptus cephalocarpa</i>	Unknown	Small	Low	4	20	15	Remnant indigenous canopy tree
251	Black Wattle	<i>Acacia mearnsii</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
252	Black Wattle	<i>Acacia mearnsii</i>	Unknown	N/A	N/A	N/A	N/A	N/A	Remnant indigenous non-canopy tree
					Totals	113	2901	2971	

Highlighted trees were not measured due to time constraints. As such, offset targets have been determined on a median offset basis within a range off small tree offsets.