

24 March 2021

**Addendum to the Flora and Fauna Assessment, Native Vegetation Impact Assessment and Land Management Plan, Yarra Flats TreeTop Adventure Park, Ivanhoe East Report**

This document is an Addendum to the *Flora and Fauna Assessment, Native Vegetation Impact Assessment and Land Management Plan, Yarra Flats TreeTop Adventure Park, Ivanhoe East* report prepared by Practical Ecology (2018) and in response to the request for further information associated with Planning Permit Amendment C107 Reference SP473736 from Planning and Approvals Land and Built Environment Port Phillip Region dated 18 January 2021.

This Addendum specifically responds to point 2 which states:

*Offset targets in section 6.3 of the report 'Flora and Fauna Assessment, Native Vegetation Impact Assessment, Land Management Plan, Yarra Flats Tree Top Adventure Park Ivanhoe East' (Practical Ecology, December 2018) describes and provides supporting evidence of an error with the modelled habitat on site for Pink Mountain–Correa, Correa lawrenceana var. cordifolia.*

*proposal to remove a rare or threatened species from the assessment process, that includes the information specified in Appendix 5, section A1 of the 'Assessor's Handbook, Applications to remove destroy or lop native vegetation' Version 1.1 (DELWP, 2018) must be compiled and emailed with the subject 'species habitat review – removal site' to [nativevegetation.support@delwp.vic.gov.au](mailto:nativevegetation.support@delwp.vic.gov.au).*

*Native vegetation support team will review the proposal and consult with relevant DELWP experts including regional officers. The outcome will be provided within 20 working days. If the proposal is not supported, the native vegetation will be considered habitat as depicted in the Habitat importance map.*

*If the proposal is supported, an amended NVR report excluding the relevant species from the assessment will be provided and must be included in the final application*

Since the report was submitted the above tasks were undertaken in 2019 and DELWP Biodiversity division reviewed the information regarding this species and agree that at this location it should not be regulated through the native vegetation removal regulations and a new Native Vegetation Removal (NVR) report was generated with the *Correa lawrenceana* var. *cordifolia* habitat importance map deactivated. All correspondence pertaining to this item is provided as appendices and includes the new generated NVR report provided by DELWP.



## APPENDIX 1 . EMAIL CORRESPONDENCE

**From:** Liza James <lizaj@practical ecology.com.au>  
**Sent:** Wednesday, 17 October 2018 4:18 PM  
**To:** nativevegetation.support@depi.vic.gov.au; mark.chisholm@delwp.vic.gov.au  
**Subject:** RE: 540 The Boulevard Ivanhoe East  
**Attachments:** NVR\_report\_Veg\_Losses\_540\_The\_Boulevard\_Ivanhoe\_East\_04102018.pdf; Map6\_Correa lawrenceana var. cordifolia.jpg; Re: Fw: Correa lawrenceana var. cordifolia; VBA\_Geo\_Dist\_Pink\_Mt\_Correa\_20181017.JPG

Hi Mark,

Thank you for your email below:

This email is prepared on behalf of Ecoline Pty Ltd (our client) to seek written approval by the Secretary to DEWLP to request that *Correa lawrenceana* var. *cordifolia* be removed from consideration in the assessment of an application for a permit to remove native vegetation for the site located at 540 The Boulevard Ivanhoe East.

It must be noted that the application has not yet been submitted as an offset strategy is required as part of the application process. Due to this we seek your advice on how to proceed in order to secure offsets based on the information provided in this email.

Based on information gathered during the habitat hectare assessment for the site and further investigations and advice from those that specialise in the genus *Correa* this proposal will adopt Alternative arrangements outlined in the 2017 regulations Section 11.1.1. This states the following:

*A rare or threatened species habitat (in this case Correa lawrenceana var. cordifolia), as shown in a Habitat importance map, can be removed from consideration in the assessment of an application for a permit to remove native vegetation, in the following circumstances:*

- *a competent ecologist confirms that the native vegetation to be removed has habitat characteristics that are clearly inconsistent with the habitat requirements of that particular species, and*
- *written approval is provided by the Secretary to DELWP*

It has been concluded that the site does not support habitat for *Correa lawrenceana* var. *cordifolia* for the following reasons:

- Following the advice from botanical specialists David Cameron (attached email below) Karl Just and Geoff Carr (pers. comm.) *Correa lawrenceana* var. *cordifolia* is confined to NSW. As stated in the attached email dated 16/10/2018:

Geoff Carr is currently revising the genus *Correa* and informs me that the Drummer specimen found in Vic represents an undescribed taxon within the *C. lawrenceana* complex which is quite distinct from the true var. *cordifolia* which is apparently restricted to NSW. The taxon collected in the Drummer State Forest is known also from the Howe Ranges near the NSW border and extends at least to Mt Dromedary in southern NSW which is also the type locality for the true *C. lawrenceana* var. *cordifolia*. The Drummer entity does not bear pink flowers as indicated by the collector's notes and the specimen seen by Geoff at MEL. As well flower colour there are also conspicuous differences in leaf shape and flower arrangement to distinguish these two taxa.

- VBA Records for *Correa lawrenceana* var. *cordifolia* shows that the species has only been collected from East Gippsland and is likely to be the undescribed taxon within the *C. lawrenceana* complex Geoff Carr (pers. comm.)
- The VBA record in South Yarra is the Herbarium cultivated specimen seen by Geoff.

- The specimen described in the Flora of Vic by Paul Wilson states that *Correa lawrenceana* var. *cordifolia* is confined to rainforest margins and along creeks which is not the habitat type at the project site. Furthermore Geoff has explained that this has also been misidentified.
- The site for this project is in Ivanhoe East along the Yarra River in Melbourne and the vegetation is within EVC 56: Floodplain Riparian Woodland which is not the known habitat or distribution for the species Geoff Carr (pers. comm.)
- The understory is extremely modified and completely dominated by introduced *Tradescantia fluminensis* in particularly within the area where modelled habitat occurs for *Correa lawrenceana* var. *cordifolia* which also overlaps onto the road as shown in the attached map.
- Understorey habitat hectare score is also very low and completely modified (see below table):

Habitat Zone			1
Bioregion			GP
EVC Name (initials)			FRW
EVC Number			56
EVC Conservation Status			EN
Size of Zone (ha)			1.557
		Max Score	Score
Site Condition	Large Old Trees	10	5
	Canopy Cover	5	4
	Understorey	25	5
	Lack of Weeds	15	0
	Recruitment	10	10
	Organic Litter	5	3
	Logs	5	2
	EVC Standardiser		1
	Standardised Site Score	75	29
Landscape Context		25	10
Habitat points		100	39
Habitat Score (habitat points/100)		0.##	0.39
No. of Large Old Trees			15

Based on the above information it may be the case that there is a modelling error and therefore on behalf of our client we would like to request that *Correa lawrenceana* var. *cordifolia* be removed from consideration in the assessment of an application for a permit to remove native vegetation?

Geoff Carr from Ecology Australia has explained that he is happy to discuss the species in more detail if required.

It must also be noted that the site does not meet the requirements for a first-party offset site, however a Land Management Plan has been prepared for the project and supplementary planting will occur within the green area to enhance the quality of the vegetation and is structured in a way that indicates the distribution of lifeforms and species relevant to the EVC.

I have included all the attached documentation to support our proposal for you to consider.

Happy to discuss.

Kind Regards

**Liza James**

Ecological Consultant  
Wednesday, Thursday and Friday  
Practical Ecology, PO Box 228 Preston, 3072 | [www.practicalecology.com.au](http://www.practicalecology.com.au)  
T: 03 9484 1555 | F: 03 9484 9133 | [lizaj@practicalecology.com.au](mailto:lizaj@practicalecology.com.au)



Subscribe to our [Newsletter](#) or join us on [Facebook](#) 

**From:** mark.chisholm@delwp.vic.gov.au [mailto:mark.chisholm@delwp.vic.gov.au] **On Behalf Of**  
nativevegetation.support@depi.vic.gov.au  
**Sent:** Thursday, 20 September 2018 11:21 AM  
**To:** Liza James  
**Subject:** Fw: 540 The Boulevard Ivanhoe East

Hi Liza

Using the distribution layer for *Correa lawrenceana* var. *cordifolia* permit holders may be able to locate a property that is modelled for the species, and suitable to be used as an offset site.

The 2017 regulations allow for areas not modelled as habitat for a particular species to be used to satisfy that species if the proposed area has suitable habitat characteristics for that species. Under the 2013 regulations this was referred to as an alternative offset arrangement, Refer to Section 11.1.2 on Page 33 of the *Guidelines for the removal, destruction or lopping of native vegetation* (Guidelines). I have also pasted the section as a quick reference point.

Basically a proposal to use an existing offset site or a proposed offset site that is not modelled for *Correa lawrenceana* var. *cordifolia* can be submitted to Native vegetation regulation for consideration. It must be demonstrated that the area has suitable habitat characteristics for the species.

## Species habitat not mapped at the site

Species habitat units can be created at a proposed offset site for a rare or threatened species where its habitat is not mapped at the site in a *Habitat importance map*, with the approval of the Secretary to DELWP. For this to apply a competent ecologist must confirm that:

- there is recent evidence of the species using the site as habitat, and
- the habitat characteristics<sup>21</sup> of the site are clearly consistent with the habitat requirements of that species.

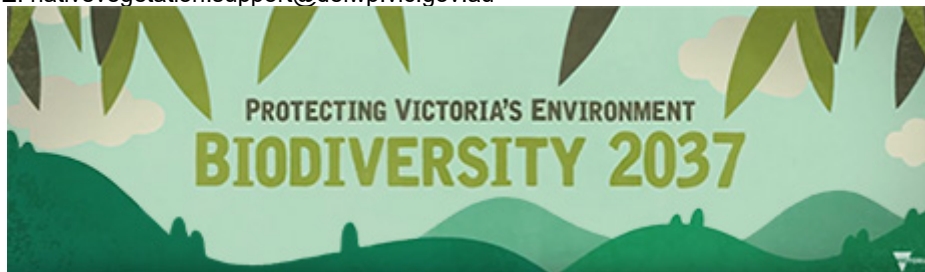
The 2017 regulations also allow for Alternative arrangements for species offset. Refer to Section 11.3 on Page 34 of the Guidelines.


Native Vegetation Support | Biodiversity Division

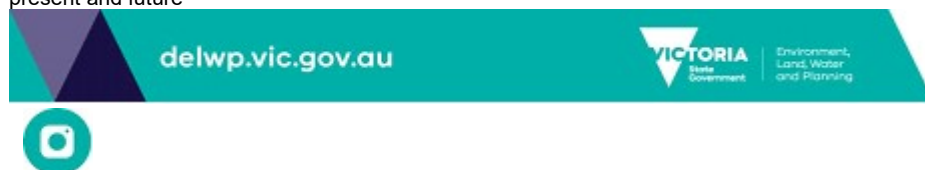
Energy, Environment and Climate Change | Department of Environment, Land, Water and Planning

8 Nicholson Street, East Melbourne, Victoria 3002

E: [nativevegetation.support@delwp.vic.gov.au](mailto:nativevegetation.support@delwp.vic.gov.au)



 I acknowledge the traditional Aboriginal owners of country throughout Victoria and pay my respect to them, their culture and their Elders past, present and future



----- Forwarded by Mark Chisholm/Person/VICGOV1 on 20/09/2018 10:59 AM -----

From: EnSym NVR tool support  
To: Nativevegetation Support/DSE/VICGOV1@VICGOV1  
Date: 19/09/2018 03:52 PM  
Subject: Fw: 540 The Boulevard Ivanhoe East  
Sent by: Application Administrator

----- Forwarded by Lucia Suarez Carvajal/Person/VICGOV1 on 19/09/2018 03:51 PM -----

**Liza James**

---

**From:** Liza James  
**Sent:** Wednesday, 24 October 2018 1:41 PM  
**To:** 'nativevegetation.support@delwp.vic.gov.au'; 'clio.gatesfoale@delwp.vic.gov.au'  
**Cc:** mel.hardie@delwp.vic.gov.au  
**Subject:** RE: 540 The Boulevard Ivanhoe East  
**Attachments:** RE: 540 The Boulevard Ivanhoe East

**From:** clio.gatesfoale@delwp.vic.gov.au [mailto:clio.gatesfoale@delwp.vic.gov.au] **On Behalf Of** nativevegetation.support@delwp.vic.gov.au  
**Sent:** Tuesday, 23 October 2018 4:00 PM  
**To:** Liza James  
**Cc:** mel.hardie@delwp.vic.gov.au  
**Subject:** RE: 540 The Boulevard Ivanhoe East

Hi Liza,  
Hi Clio,

I need clarification on what you are trying to do.

My proposal seeks to have specific habitat units for *Correa lawrenceana* var. *cordifolia* at 540 The Boulevard Ivanhoe East removed or reconsidered following advice from botanical specialists (as detailed in my previous email).

The information you have provided seems to be a combination of:

- evidence that the species is not from Victoria and should not be on the Advisory List (?). You have provided something from David Cameron about this.

I cannot make a judgement about whether the species should be removed from the Advisory List. My query relates to the accuracy of the modelled data, for which I sought advice from David Cameron and Geoff Carr.

My objective is to seek written approval from the Secretary to DEWLP to request that *Correa lawrenceana* var. *cordifolia* be removed from consideration in the assessment of an application for a permit to remove native vegetation for the site located at 540 The Boulevard Ivanhoe East (see attached report).

- evidence that habitat at the site is clearly inconsistent with habitat requirements of the species. Specifically, the species is found in rainforest margins and along creeks, and your site supports Floodplain Riparian Woodland.

Yes. EVC 56: Floodplain Riparian Woodland is not the known habitat or distribution for the species (Geoff Carr pers. comm.)

Is that correct?

Kind regards,  
Clio Gates Foale

**Native Vegetation Support | Biodiversity Division**  
**Energy, Environment and Climate Change | Department of Environment, Land, Water and Planning**

Level 5, 222 Lonsdale St, Melbourne, 3000  
E: nativevegetation.support@delwp.vic.gov.au



**Liza James**

---

**From:** clio.gatesfoale@delwp.vic.gov.au on behalf of nativevegetation.support@delwp.vic.gov.au  
**Sent:** Wednesday, 16 January 2019 12:46 PM  
**To:** Liza James  
**Cc:** Justine Thompson  
**Subject:** RE: 540 The Boulevard Ivanhoe East, Correa lawrenceana var. cordifolia  
**Attachments:** NVR Report\_Losses\_v4\_Boulevard\_Ivanhoe\_East\_15012019.pdf

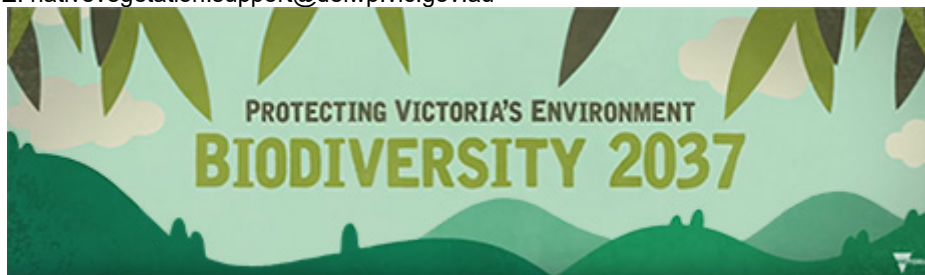
Hi Liza,


Please see attached the updated report. The new NVR report ID is PRE\_2018\_060\_edit.

Kind regards,  
Clio Gates Foale

**Native Vegetation Support | Biodiversity Division**  
**Energy, Environment and Climate Change | Department of Environment, Land, Water and Planning**

Level 5, 222 Lonsdale St, Melbourne, 3000  
E: nativevegetation.support@delwp.vic.gov.au



 I acknowledge the traditional Aboriginal owners of country throughout Victoria and pay my respect to them, their culture and their Elders past, present and future



---

**From:** Liza James <lizaj@practicalecology.com.au>  
**To:** "nativevegetation.support@delwp.vic.gov.au" <nativevegetation.support@delwp.vic.gov.au>  
**Cc:** Justine Thompson <justine@ecoline.com.au>  
**Date:** 15/01/2019 03:49 PM  
**Subject:** RE: 540 The Boulevard Ivanhoe East, Correa lawrenceana var. cordifolia

---

Hi Clio,  
Thank you for reviewing this much appreciated.  
The impact area has since been revised and the new report is as attached with a new ID:PRE\_2018\_060  
Please let me know if there anything else you need.  
Cheers



Liza James

Ecological Consultant

Wednesday, Thursday and Friday

Practical Ecology, PO Box 228 Preston, 3072 | [www.practicalecology.com.au](http://www.practicalecology.com.au)

T: 03 9484 1555 | F: 03 9484 9133 | [lizaj@practicalecology.com.au](mailto:lizaj@practicalecology.com.au)



Subscribe to our [Newsletter](#) or join us on [Facebook](#) 

**From:** [clio.gatesfoale@delwp.vic.gov.au](mailto:clio.gatesfoale@delwp.vic.gov.au) [<mailto:clio.gatesfoale@delwp.vic.gov.au>] **On Behalf Of**  
[nativevegetation.support@delwp.vic.gov.au](mailto:nativevegetation.support@delwp.vic.gov.au)

**Sent:** Tuesday, 15 January 2019 3:39 PM

**To:** Liza James

**Subject:** 540 The Boulevard Ivanhoe East, *Correa lawrenceana* var. *cordifolia*

Hi Liza,

Thank you for your patience regarding the species offset for Pink Mountain-correa *Correa lawrenceana* var. *cordifolia* at 540 The Boulevard Ivanhoe East, as per your previous correspondence.

DELWP Biodiversity division has reviewed the information regarding this species and agree that at this location it should not be regulated through the Native vegetation removal regulations.

To determine the correct offset requirements for the project's extent of native vegetation removal, a new Native vegetation removal (NVR) report must be generated with the *Correa lawrenceana* var. *cordifolia* habitat importance map deactivated. Please confirm the correct NVR report reference ID is **PRE\_2018\_054**. Once you confirm the reference number we will create a new report.

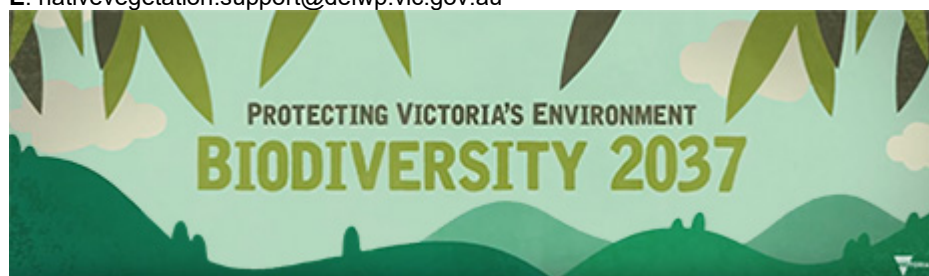
Kind regards,  
Clio Gates Foale


**Native Vegetation Support | Biodiversity Division**

**Energy, Environment and Climate Change | Department of Environment, Land, Water and Planning**

Level 5, 222 Lonsdale St, Melbourne, 3000

E: [nativevegetation.support@delwp.vic.gov.au](mailto:nativevegetation.support@delwp.vic.gov.au)



 I acknowledge the traditional Aboriginal owners of country throughout Victoria and pay my respect to them, their culture and their Elders past, present and future





## **APPENDIX 2. GENERATED NVR REPORT PROVIDED BY DELWP**

# Native vegetation removal report

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation*. The report **is not an assessment by DELWP** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Date of issue: 15/01/2019

Report ID: PRE\_2018\_060\_edit

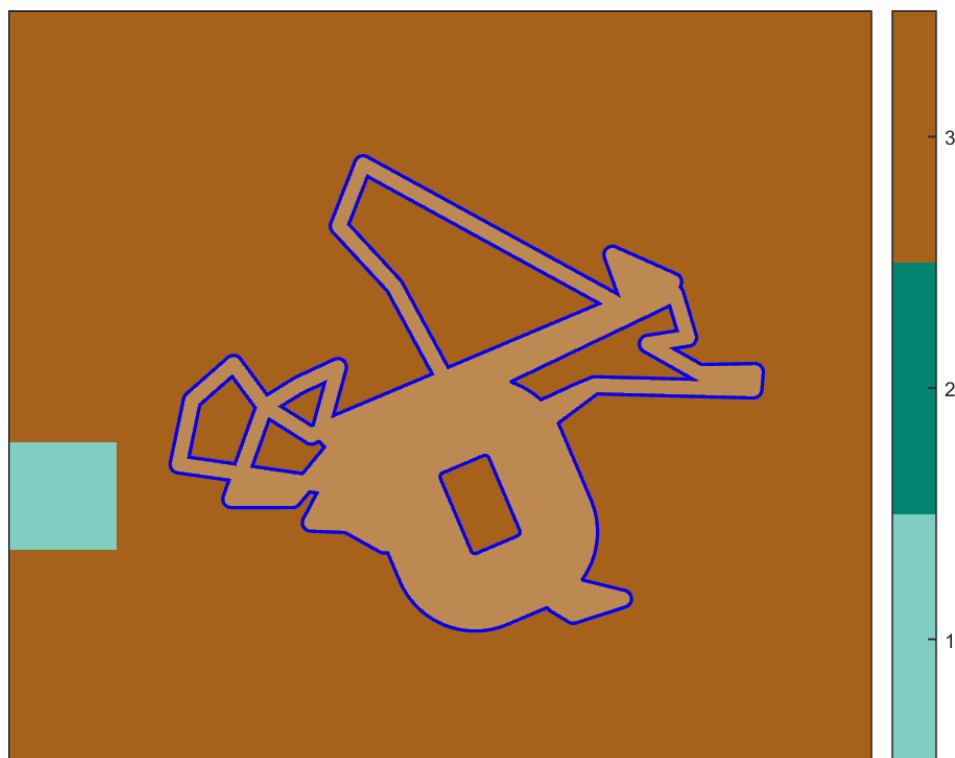
Time of issue: 5:44 pm

Project ID Losses\_v4\_Boulevard\_Ivanhoe\_East

## Assessment pathway

Assessment pathway	Detailed Assessment Pathway
Extent including past and proposed	0.498 ha
Extent of past removal	0.000 ha
Extent of proposed removal	0.498 ha
No. Large trees proposed to be removed	0
Location category of proposed removal	Location 3 The native vegetation is in an area where the removal of less than 0.5 hectares could have a significant impact on habitat for one or more rare or threatened species. The native vegetation is also in an area mapped as an endangered Ecological Vegetation Class (as per the statewide EVC map).

### 1. Location map



## Offset requirements if a permit is granted

Any approval granted will include a condition to obtain an offset that meets the following requirements:

<b>Species offset amount<sup>1</sup></b>	0.184 species units of habitat for Grey-headed Flying-fox, <i>Pteropus poliocephalus</i>
Large trees	0 trees

NB: values within tables in this document may not add to the totals shown above due to rounding

Appendix 1 includes information about the native vegetation to be removed

Appendix 2 includes information about the rare or threatened species mapped at the site.

Appendix 3 includes maps showing native vegetation to be removed and extracts of relevant species habitat importance maps

---

<sup>1</sup> The species offset amount(s) required is the sum of all species habitat units in Appendix 1.

## Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

If you wish to remove the mapped native vegetation you are required to apply for a permit from your local council. Council will refer your application to DELWP for assessment, as required. **This report is not a referral assessment by DELWP.**

This *Native vegetation removal report* must be submitted with your application for a permit to remove, destroy or lop native vegetation.

Refer to the *Guidelines for the removal, destruction or lopping of native vegetation* (the Guidelines) for a full list of application requirements. This report provides information that meets the following application requirements:

- The assessment pathway and reason for the assessment pathway
- A description of the native vegetation to be removed (partly met)
- Maps showing the native vegetation and property (partly met)
- Information about the impacts on rare or threatened species.
- The offset requirements determined in accordance with section 5 of the Guidelines that apply if approval is granted to remove native vegetation.

Additional application requirements must be met including:

- Topographical and land information
- Recent dated photographs
- Details of past native vegetation removal
- An avoid and minimise statement
- A copy of any Property Vegetation Plan that applies
- A defensible space statement as applicable
- A statement about the Native Vegetation Precinct Plan as applicable
- A site assessment report including a habitat hectare assessment of any patches of native vegetation and details of trees
- An offset statement that explains that an offset has been identified and how it will be secured.

---

© The State of Victoria Department of Environment, Land, Water and Planning  
Melbourne 2019

This work is licensed under a Creative Commons Attribution 4.0 International licence. You are free to re-use the work under that licence, on the condition that you credit the State of Victoria as author. The licence does not apply to any images, photographs or branding, including the Victorian Coat of Arms, the Victorian Government logo and the Department of Environment, Land, Water and Planning logo. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Authorised by the Victorian Government, 8 Nicholson Street, East Melbourne.

For more information contact the DELWP Customer Service Centre 136 186

[www.delwp.vic.gov.au](http://www.delwp.vic.gov.au)

### Disclaimer

This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication.

Obtaining this publication does not guarantee that an application will meet the requirements of Clauses 52.16 or 52.17 of the Victoria Planning Provisions and Victorian planning schemes or that a permit to remove native vegetation will be granted.

Notwithstanding anything else contained in this publication, you must ensure that you comply with all relevant laws, legislation, awards or orders and that you obtain and comply with all permits, approvals and the like that affect, are applicable or are necessary to undertake any action to remove, lop or destroy or otherwise deal with any native vegetation or that apply to matters within the scope of Clauses 52.16 or 52.17 of the Victoria Planning Provisions and Victorian planning schemes.

## Appendix 1: Description of native vegetation to be removed

The species-general offset test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the species offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact is above the species offset threshold a species offset is required. This test is done for all species mapped at the site. Multiple species offsets will be required if the species offset threshold is exceeded for multiple species.

Where a zone requires species offset(s), the species habitat units for each species in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{Species habitat units} = \text{extent} \times \text{condition} \times \text{species landscape factor} \times 2, \text{ where the species landscape factor} = 0.5 + (\text{habitat importance score}/2)$$

The species offset amount(s) required is the sum of all species habitat units per zone

Where a zone does not require a species offset, the general habitat units in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{General habitat units} = \text{extent} \times \text{condition} \times \text{general landscape factor} \times 1.5, \text{ where the general landscape factor} = 0.5 + (\text{strategic biodiversity value score}/2)$$

The general offset amount required is the sum of all general habitat units per zone.

### Native vegetation to be removed

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
1-1a	Patch	gipp0056	Endangered	0	no	0.390	0.025	0.025	1.000	0.810	0.017	11280 Grey-headed Flying-fox <i>Pteropus poliocephalus</i>
1-1b	Patch	gipp0056	Endangered	0	yes	0.195	0.473	0.473	0.996	0.805	0.166	11280 Grey-headed Flying-fox <i>Pteropus poliocephalus</i>

## Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table lists all rare or threatened species' habitats mapped at the site.

Species common name	Species scientific name	Species number	Conservation status	Group	Habitat impacted	% habitat value affected
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	11280	Vulnerable	Dispersed	Top ranking map	0.0067
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	11280	Vulnerable	Dispersed	Habitat importance map	0.0003
Australian Mudfish	<i>Neochanna cleaveri</i>	4703	Critically endangered	Dispersed	Habitat importance map	0.0002
Yarra Pygmy Perch	<i>Nannoperca obscura</i>	4882	Vulnerable	Dispersed	Habitat importance map	0.0001
Keferstein's Tree Frog	<i>Litoria dentata</i>	528551	Vulnerable	Dispersed	Habitat importance map	0.0001
Grey Billy-buttons	<i>Craspedia canens</i>	504643	Endangered	Dispersed	Habitat importance map	0.0001
Australian Grayling	<i>Prototroctes maraena</i>	4686	Vulnerable	Dispersed	Habitat importance map	0.0001
Lacey River Buttercup	<i>Ranunculus amplus</i>	505019	Rare	Dispersed	Habitat importance map	0.0001
Veined Spear-grass	<i>Austrostipa rudis subsp. australis</i>	504940	Rare	Dispersed	Habitat importance map	0.0000
Glossy Grass Skink	<i>Pseudemoia rawlinsoni</i>	12683	Vulnerable	Dispersed	Habitat importance map	0.0000
Salt Lawrencina	<i>Lawrencina spicata</i>	501888	Rare	Dispersed	Habitat importance map	0.0000
Veiled Fringe-sedge	<i>Fimbristylis velata</i>	501369	Rare	Dispersed	Habitat importance map	0.0000
Green Scentbark	<i>Eucalyptus fulgens</i>	505175	Rare	Dispersed	Habitat importance map	0.0000
Common Sandpiper	<i>Actitis hypoleucos</i>	10157	Vulnerable	Dispersed	Habitat importance map	0.0000
Growling Grass Frog	<i>Litoria raniformis</i>	13207	Endangered	Dispersed	Habitat importance map	0.0000
Round-leaf Pomaderris	<i>Pomaderris vacciniifolia</i>	502675	Endangered	Dispersed	Habitat importance map	0.0000
Spurred Helmet-orchid	<i>Corybas aconitiflorus</i>	500835	Rare	Dispersed	Habitat importance map	0.0000
Swamp Skink	<i>Lissolepis coventryi</i>	12407	Vulnerable	Dispersed	Habitat importance map	0.0000
Fringed Helmet-orchid	<i>Corybas fimbriatus</i>	500839	Rare	Dispersed	Habitat importance map	0.0000



Swamp Everlasting	<i>Xerochrysum palustre</i>	503763	Vulnerable	Dispersed	Habitat importance map	0.0000
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>	10226	Vulnerable	Dispersed	Habitat importance map	0.0000
Plains Yam-daisy	<i>Microseris scapigera</i> s.s.	504657	Vulnerable	Dispersed	Habitat importance map	0.0000
Lewin's Rail	<i>Lewinia pectoralis pectoralis</i>	10045	Vulnerable	Dispersed	Habitat importance map	0.0000
Small Golden Moths	<i>Diuris basaltica</i>	501473	Endangered	Dispersed	Habitat importance map	0.0000
Floodplain Fireweed	<i>Senecio campylocarpus</i>	507136	Rare	Dispersed	Habitat importance map	0.0000
Sticky Wattle	<i>Acacia howittii</i>	500044	Rare	Dispersed	Habitat importance map	0.0000
Little Egret	<i>Egretta garzetta nigripes</i>	10185	Endangered	Dispersed	Habitat importance map	0.0000
Black-tailed Godwit	<i>Limosa limosa</i>	528553	Vulnerable	Dispersed	Habitat importance map	0.0000
Pale Swamp Everlasting	<i>Coronidium gunnianum</i>	504655	Vulnerable	Dispersed	Habitat importance map	0.0000
Purple Blown-grass	<i>Lachnagrostis punicea</i> subsp. <i>filifolia</i>	504222	Rare	Dispersed	Habitat importance map	0.0000
Australasian Bittern	<i>Botaurus poiciloptilus</i>	10197	Endangered	Dispersed	Habitat importance map	0.0000
Purple Diuris	<i>Diuris punctata</i>	501084	Vulnerable	Dispersed	Habitat importance map	0.0000
Blue-billed Duck	<i>Oxyura australis</i>	10216	Endangered	Dispersed	Habitat importance map	0.0000
Australian Little Bittern	<i>Ixobrychus dubius</i>	10195	Endangered	Dispersed	Habitat importance map	0.0000
Australian Painted Snipe	<i>Rostratula australis</i>	10170	Critically endangered	Dispersed	Habitat importance map	0.0000
Eastern Great Egret	<i>Ardea modesta</i>	10187	Vulnerable	Dispersed	Habitat importance map	0.0000
Intermediate Egret	<i>Ardea intermedia</i>	10186	Endangered	Dispersed	Habitat importance map	0.0000
Musk Duck	<i>Biziura lobata</i>	10217	Vulnerable	Dispersed	Habitat importance map	0.0000
Common Bent-wing Bat (eastern ssp.)	<i>Miniopterus schreibersii</i> <i>oceanensis</i>	61342	Vulnerable	Dispersed	Habitat importance map	0.0000
Grey Goshawk	<i>Accipiter novaehollandiae</i> <i>novaehollandiae</i>	10220	Vulnerable	Dispersed	Habitat importance map	0.0000
Baillon's Crake	<i>Porzana pusilla palustris</i>	10050	Vulnerable	Dispersed	Habitat importance map	0.0000
Hardhead	<i>Aythya australis</i>	10215	Vulnerable	Dispersed	Habitat importance map	0.0000

Australasian Shoveler	<i>Anas rhynchos</i>	10212	Vulnerable	Dispersed	Habitat importance map	0.0000
Arching Flax-lily	<i>Dianella sp. aff. longifolia</i> (Benambra)	505560	Vulnerable	Dispersed	Habitat importance map	0.0000
Powerful Owl	<i>Ninox strenua</i>	10248	Vulnerable	Dispersed	Habitat importance map	0.0000
Black Falcon	<i>Falco subniger</i>	10238	Vulnerable	Dispersed	Habitat importance map	0.0000
Southern Toadlet	<i>Pseudophryne semimarmorata</i>	13125	Vulnerable	Dispersed	Habitat importance map	0.0000
White-throated Needletail	<i>Hirundapus caudacutus</i>	10334	Vulnerable	Dispersed	Habitat importance map	0.0000
Square-tailed Kite	<i>Lophoictinia isura</i>	10230	Vulnerable	Dispersed	Habitat importance map	0.0000
Elegant Parrot	<i>Neophema elegans</i>	10307	Vulnerable	Dispersed	Habitat importance map	0.0000

#### Habitat group

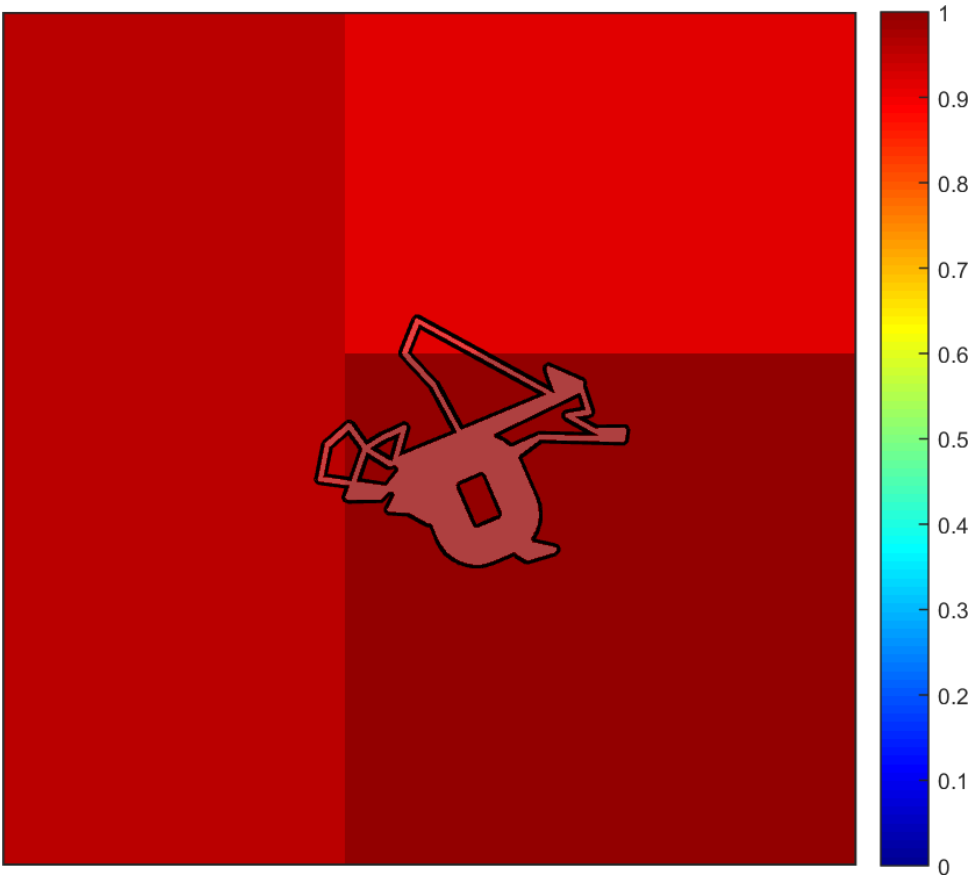
- Highly localised habitat means there is 2000 hectares or less mapped habitat for the species
- Dispersed habitat means there is more than 2000 hectares of mapped habitat for the species

#### Habitat impacted

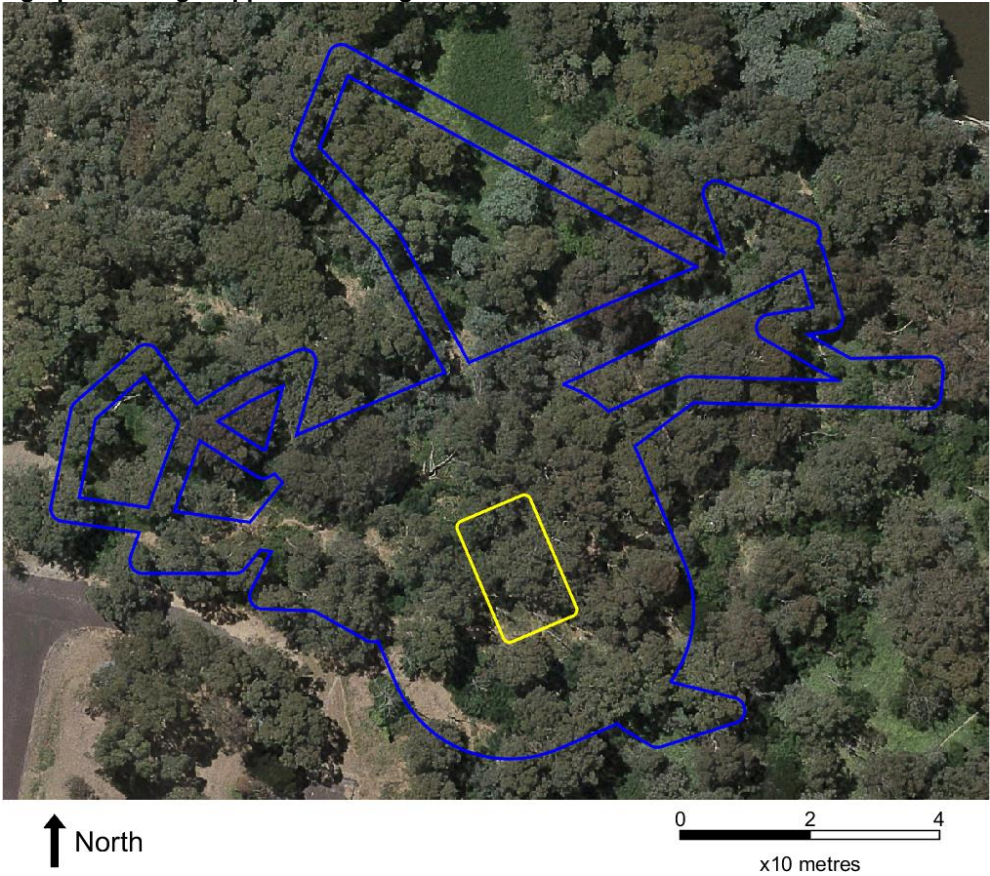
- Habitat importance maps are the maps defined in the Guidelines that include all the mapped habitat for a rare or threatened species
- Top ranking maps are the maps defined in the Guidelines that depict the important areas of a dispersed species habitat, developed from the highest habitat importance scores in dispersed species habitat maps and selected VBA records
- Selected VBA record is an area in Victoria that represents a large population, roosting or breeding site etc.

# Appendix 3 – Images of mapped native vegetation

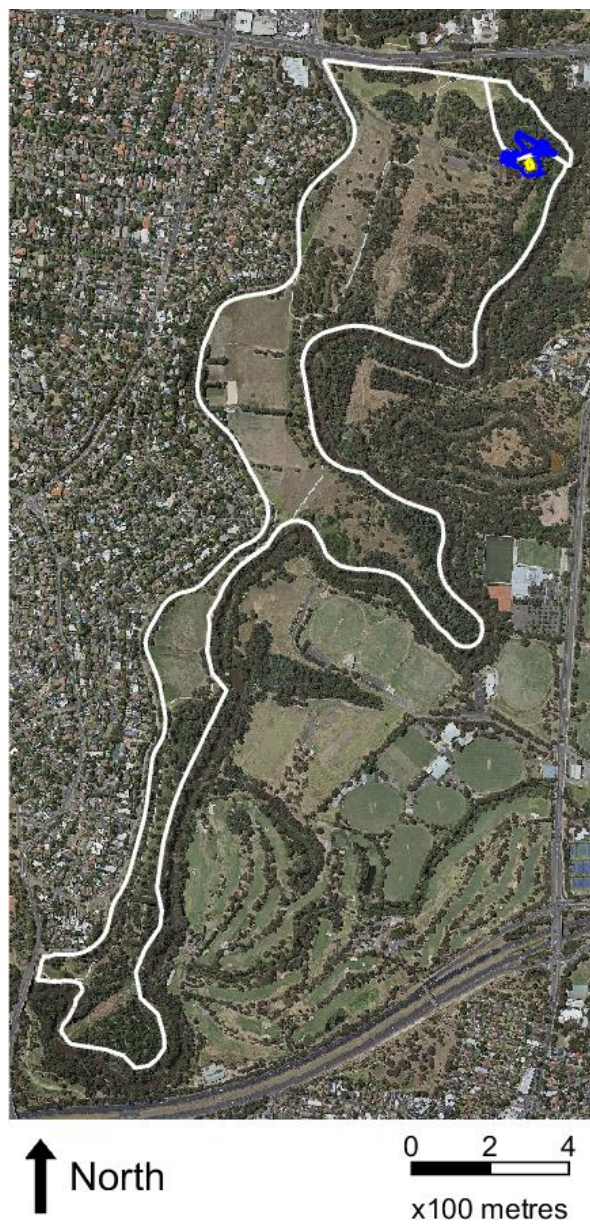
## 2. Strategic biodiversity values map



## 3. Aerial photograph showing mapped native vegetation



#### 4. Map of the property in context



Yellow boundaries denote areas of proposed native vegetation removal.

Blue boundaries denote zones of partial removal with a halved condition score.

4. Habitat importance maps

Grey-headed Flying-fox  
*Pteropus poliocephalus*  
11280

