

Native Vegetation Clearance Data Report

Stage 4 Amy Gillett Bikeway Adelaide Hills Council

Clearance under the Native Vegetation Regulations 2017

18th April 2024

Prepared by Sheree Edwards, Senior Environmental Consultant



Document Information	
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Author	Sheree Edwards
Title	Senior Environmental Consultant

Table of contents

- 1. Application information
- 2. Purpose of clearance
 - 2.1 Description
 - 2.2 Background
 - 2.3 General location map
 - 2.4 Details of the proposal
 - 2.5 Approvals required or obtained
 - 2.6 Native Vegetation Regulation
- 3. Method
 - 3.1 Flora assessment
 - 3.2 Fauna assessment
- 4. Assessment outcomes
 - 4.1 Vegetation assessment
 - 4.2 Threatened Species assessment
 - 4.3 Cumulative impacts
 - 4.4 Addressing the Mitigation hierarchy
 - 4.5 Principles of clearance
 - 4.6 Risk Assessment
 - 4.7 NVC Guidelines
- 5. Clearance summary
- 6. Significant environmental benefit

Attachments:

- 1. Site Plans
- 2. Bushland Assessment Score Sheets A1-F1 (excel format)
- 3. Scattered Trees Assessment Scoresheet (excel format)
- 4. Mapping Files (shapefile format)

1. Application information

Application details

Applicant:	Adelaide Hills Council				
Key contact:					
Landowner:	Department for Transport and	d Infrastructure			
Site Address:	Dis-used Railway Corridor – Sections between Mount Torrens and Birdwood.				
Local Government	Adelaide Hills Council	e Hills Council Hundred: Talunga			
Area:					
Title ID:	CT/6230/61	Parcel ID	D114390 Q43		
	CT/6230/61		D114390 Q44		
	CT/6230/61		D114390 A45		
	CT/6230/61		D114390 A46		
	CT/6230/61		D114390 A47		
	CT/6230/61		D114390 A48		

Summary of proposed clearance

Purpose of clearance	Clearance required for the construction of a public shared-use path for walkers, cyclists and horse riders
Native Vegetation Regulation	Regulation 12, Schedule 1; clause 36 Recreation Track
Description of the vegetation under application	A1: <i>Eucalyptus camaldulensis</i> ssp. <i>camaldulensis</i> Low Open Woodland over exotic species with emergent <i>Juncus pallidus</i> , <i>Juncus subsecundus</i> , <i>Acacia pycnantha</i>
	B1: <i>Eucalyptus camaldulensis</i> ssp. <i>camaldulensis</i> Woodland over <i>Acacia pycnantha</i> , Exotic species
	C1: Eucalyptus viminalis /Eucalyptus camaldulensis ssp. camaldulensis Open Forest over Acacia pycnantha, exotic species
	D1: Eucalyptus camaldulensis ssp. camaldulensis Open Forest over exotic species +/- Acacia pycnantha, Acaena echinata
	E1: <i>Eucalyptus camaldulensis</i> ssp. <i>camaldulensis</i> Low Open Woodland over <i>Rytidosperma</i> sp., exotic species
	F1: Eucalyptus camaldulensis ssp. camaldulensis Open Forest over Acacia pycnantha, Rytidosperma sp., Juncus subsecundus, *Juncus usitatus, exotic grasses
	15 River Red Gum (Eucalyptus camaldulensis ssp. camaldulensis) trees.
Total proposed clearance - area (ha) and number of trees	0.615 ha of bushland & 15 scattered trees
Level of clearance	Level 4

Map of proposed clearance area	
Ja o Scionta - Hilli Ria-	Munters and a munter attributers attribut
Mitigation hierarchy	Refer to Section 4.4: Address the Mitigation Hierarchy
SEB Offset proposal	Payment = \$25,211.01 (no GST) plus admin fee of \$1,386.55 (GST incl) = \$26,597.56.

2. Purpose of clearance

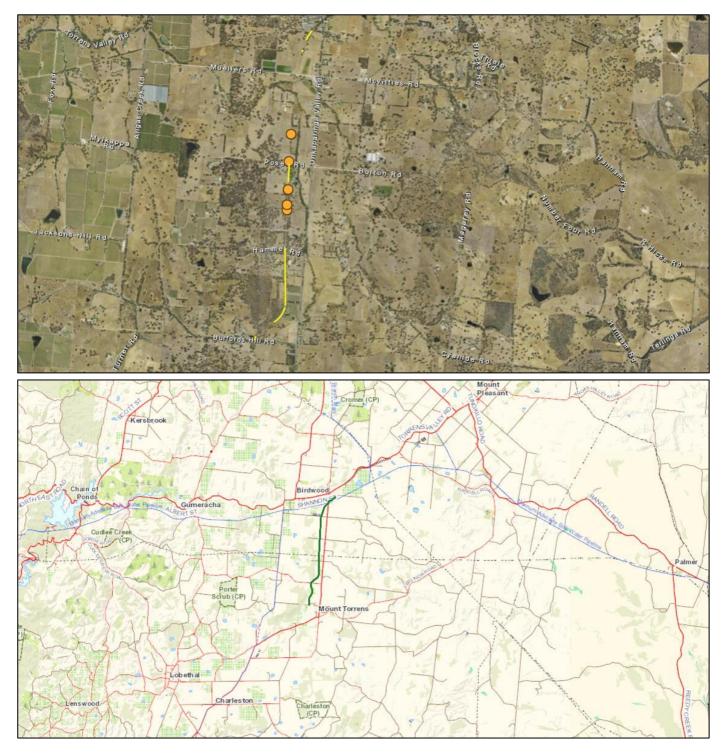
2.1 Description & Background

Terra Gana Pty Ltd have been engaged by the Adelaide Hills Council to undertake a native vegetation clearance assessment of the proposed alignment of Stage 4 of the Amy Gillett Bikeway. The bikeway is proposed to be constructed along the dis-used railway corridor, between Oval Road, Mount Torrens and Onkaparinga Valley Road, Birdwood. The Amy Gillett Bikeway is an existing 15km shared-use path for walkers, cyclists and horse riders, commencing just north of Oakbank, passing through Woodside and currently terminating at Oval Rd, Mount Torrens (Stages 1 to 3). Stage 4 would see the bikeway extend from Mount Torrens to Blocks Lane in Birdwood adding approximately 6 km to the bikeway. The width of the proposed bikeway alignment is aimed to be 5m wide by 5m high, and the applicant will minimise unnecessary clearance of vegetation within bushland sites by micro-siting during the initial works (all within the clearance envelope identified in this report).

This report details the native vegetation to be impacted along the length of the proposed Stage 4 Amy Gillet Bikeway, extending from Oval Road, Mount Torrens and Onkaparinga Valley Road, Birdwood. Scattered trees and patches of bushland are included in the assessment and guided by detailed site plans. Measures have been discussed at length to avoid and minimise native vegetation impacts with the Applicant. The section between Oval Road, Mount Torrens and what is marked A1 includes fencing, proposed set down areas and a section of the proposed bikeway. Every attempt has been made and effectively has avoided any impacts to native vegetation. Similarly, the area adjoining Onkapringa Valley Road, Birdwood where it is predominantly ornamental trees with and without mown grass understorey. As well as sections, as shown in the mapping.

The alignment of the proposed bikeway has been marked on the mapping included in this report. There are native scattered trees along this length where the applicant has moved the alignment slightly to avoid impacts to native vegetation. This has been done with advice from the accredited consultant. Detailed site plans attached show the alignment in greater detail.

General location maps



2.2 Details of the proposal

Refer Attachment 1 – Site Plans.

2.3 Approvals required or obtained

• Native Vegetation Act 1991 (application here-in)

2.4 Native Vegetation Regulation

The regulation and the associated clause(s) in Schedule 1 in Division 5 of the Native Vegetation Regulations under which the proposed clearance is suggested to be assessed is Regulation 12(36) Recreation Track.



3.1 Flora assessment

Preliminary native vegetation assessment was undertaken by Jacobs (contracted by Department for Infrastructure and Transport) of the entire corridor in July 2022 as part of the initial planning and scoping of this project. The data from that assessment has been utilised as a foundation for this assessment. Field validation was completed by Sheree Edwards, Accredited Native Vegetation Consultant on the 4th and 5th of March 2024.

The field validation reviewed data and collated additional data to assist the Adelaide Hills Council in addressing the Mitigation Hierarchy under the Native Vegetation Regulations. The alignment of the proposed bikeway intercepts scattered trees and patches of bushland, which have been assessed using the scattered tree and bushland methodology, by Jacobs and recently validated by Terra Gana Pty Ltd.

3.2 Fauna assessment

The fauna assessment is based on a habitat suitability assessment relying largely on database records and corroborated with the suitable habitat present on site. Data has also been utilized from the initial assessment work completed by Jacobs. Refer to Section 4.2: Threatened Species Assessment

Database records were obtained for threatened fauna species listed under the National Parks and Wildlife Act 1972 (SA) and the Environmental Protection and Biodiversity Conservation Act 1999 (Commonwealth). The following databases were queried for records since 1995 and within 5km's of the proposed clearance site - EPBC Act Protected Matters Search Tool, Biological Database of South Australia, and Atlas of Living Australia.

4. Assessment Outcomes

4.1 Vegetation Assessment

General description of the vegetation, the site and matters of significance

Landscape:

The proposed native vegetation clearance is situated within the Mount Torrens Land System. Which is dominated by linear ridges, although less than 5% of the total area comprises steep and very rocky crests. Moderately steep non-arable ridges occupy about 45% of total area, and about 40% is undulating to gently rolling low hills. Soils are characteristically moderately deep to deep sandy loams with brown mottled clayey subsoils. Many are waterlogged during winter. Most have low inherent fertility and all are prone to acidification. About 10% of the land area is drainage depressions and fans. Soils are similar to those of the rising ground, but waterlogging is a greater threat and salinity is more likely to be a problem, albeit minor.

Vegetation:

The proposed native vegetation clearance is situated along a dis-used railway corridor with mixed adjoining land uses. With grazing being the predominant adjoining land-use, with rural residential areas distributed along. Historical clearance, current grazing pressures and amenity plantings have compromised the vegetation quality of this section of the railway corridor. The vegetation is a mix of scattered trees and patches of vegetation in varying degrees of condition as described below. However variable, the patches of vegetation are relatively homogenous in condition.

Details of the vegetation associations and scattered trees proposed to be impacted

Vegetation Association		us camaldulensis ssp. c lus, Juncus subsecundus		Low Open Woodland over pantha	exotic species +/-
	DIR			ACCURACY 4 m DATUM GDA2020	
	DIR	ECT201 (1)	0 6139900	ACCURACY 5 m DATUM GDA2020	
General description	of Ulex europ		a of vegetation	c species representing the ur on and on the adjoining lanc	•
Threatened species or community		ed flora or fauna unde fer to Threatened Spec		Act or EPBC Act listed spe ent.	cies or community
Landscape context score	1.16	Vegetation Condition Score	13.75	Conservation significance score	1.08
Unit biodiversity Score	17.23	Area (ha)	0.057	Total biodiversity Score	0.98

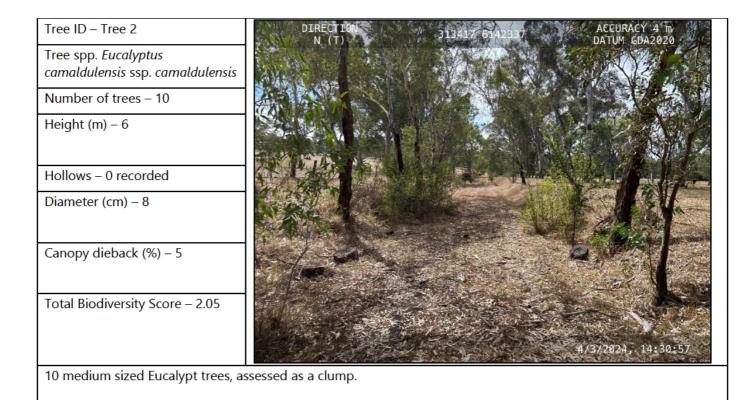
Vegetation	B1: Eucalyptus c	amaldulensis ssp. co	<i>maldulensis</i> Woodl	and over Acacia pycn	antha, Exotic	
Association	species					
	DIRECT		25 6140588	ACCURACY S-m DATUM CDA2020		
General description	B1 is in relatively good condition, however scattered Ulex europaeus (Gorse) was recorded. Dense stands of <i>Acacia pycnantha</i> dominate the mid-storey with fringing pasture grasses and weeds adjoining the neighbouring cleared area.					
Threatened species or community		lora or fauna under to Threatened Spec		PBC Act listed specie	s or community	
Landscape context score	1.16	Vegetation Condition Score	24.23	Conservation significance score	1.06	
Unit biodiversity Score	29.80	Area (ha)	0.014	Total biodiversity Score	0.42	

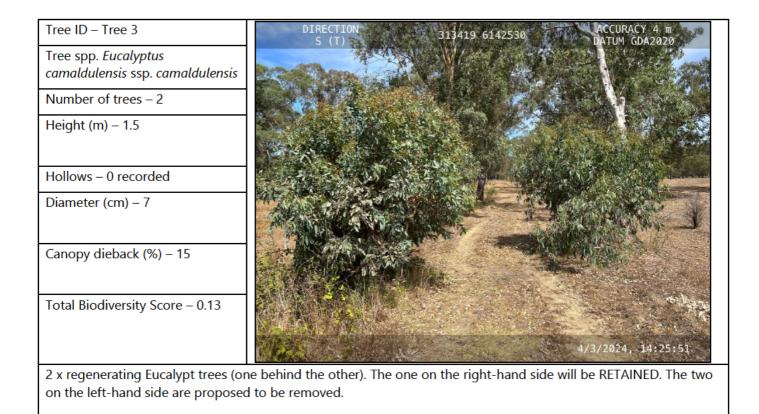
Vegetation	C1 & D1: Euca	lyptus viminalis/Euca	lyptus camaldulens	sis ssp. camaldulensis \	Noodland over
Association	Acacia pycnantha, exotic species				
				ACCURACY 44 DATUM SDA2029	
General description	upperstorey v impacted by a	vith a medium dens	sity introduced parts and there is	rating mixed Eucalypt asture grass understo s a considerable amou g in this site.	orey. This site was
Threatened species or community		l flora or fauna under er to Threatened Spec		EPBC Act listed specie	es or community
Landscape context score	1.16	Vegetation Condition Score	28.37	Conservation significance score	1.08
Unit biodiversity Score	35.54	Area (ha)	0.38	Total biodiversity Score	13.51

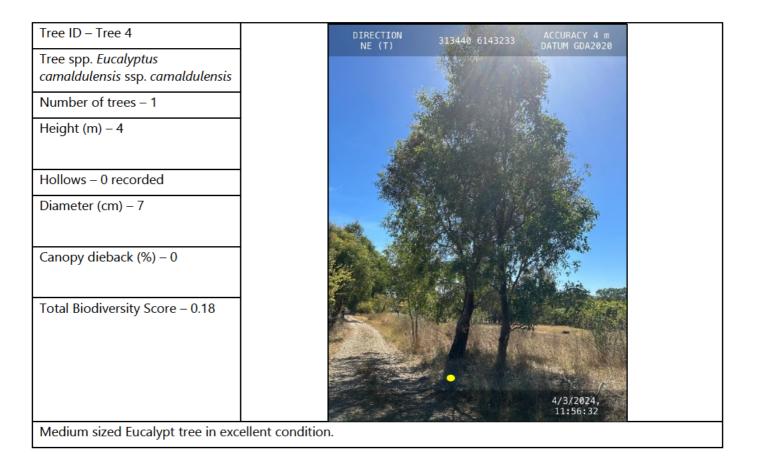
Vegetation	E1: Eucalyptus o	camaldulensis ssp. ca	maldulensis Low O	pen Woodland over <i>I</i>	Rytidosperma sp.,	
Association	exotic species					
	DIREC	31342		ACCURACY 4 m DATUM GDA2029		
General description		ed predominantly by y introduced pasture		ed Eucalypt uppersto	prey with a	
Threatened species or community	No threatened flora or fauna under the NP&W Act or EPBC Act listed species or community recorded. Refer to Threatened Species Assessment.					
Landscape context score	1.16	Vegetation Condition Score	22.31	Conservation significance score	1.04	
Unit biodiversity Score	26.92	Area (ha)	0.100	Total biodiversity Score	2.69	

Vegetation Association	F1: <i>Eucalyptus camaldulensis</i> ssp. <i>camaldulensis/Eucalyptus viminalis</i> woodland over exotic species
	DIRECTION N (T) DIRECTION N (T) DIRECTION N (T) DIRECTION N (T) DIRECTION N (T) DIRECTION DIRECT
	01.FECTION 9 (T) 313627 6144466 ACCURACY 5 m DATUM GDA2020
	4/3/2024, 10:48:00
	F1 is represented predominantly by a regenerating mixed Eucalypt upperstorey with a medium density introduced pasture grass understorey.
description Threatened species or	
General description Threatened species or community Landscape context score	medium density introduced pasture grass understorey.No threatened flora or fauna under the NP&W Act or EPBC Act listed species or community

Tree ID – Tree 1	DIRECTION N (T) 313412 6142236 ACCURACY 4 m DATUM GDA2020
Tree spp. Eucalyptus camaldulensis ssp. camaldulensis	
Number of trees – 1	
Height (m) – 7	
Hollows – 0 recorded	
Diameter (cm) – 14	
Canopy dieback (%) – 0	
Total Biodiversity Score – 0.28	4/3/2024, 14:36146
A medium size healthy Eucalypt tre	ee sited in the centre of the alignment of the proposed bikeway.





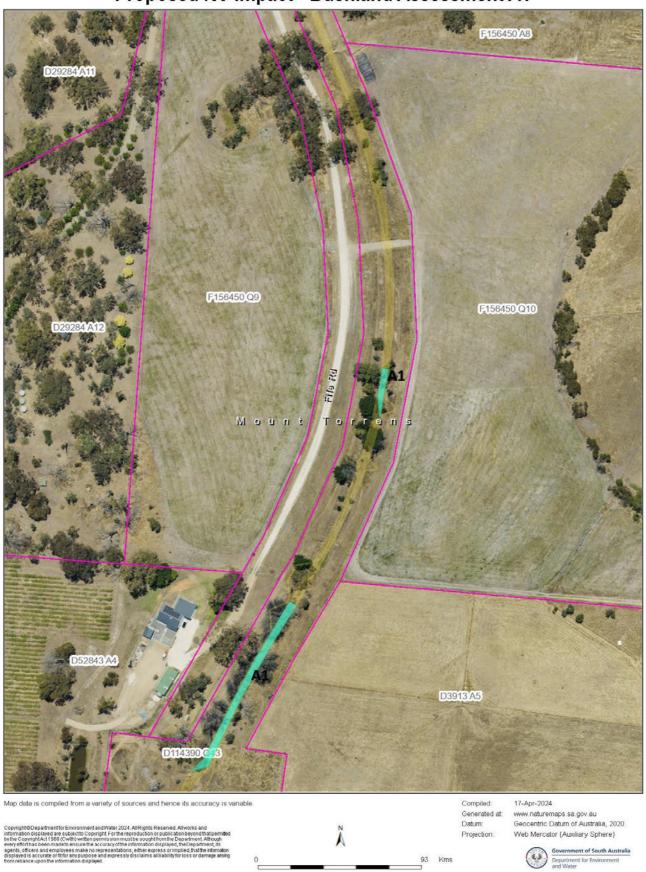


Tree ID – Tree 5 Tree spp. <i>Eucalyptus</i> <i>camaldulensis</i> ssp. <i>camaldulensis</i> Number of trees – 2	
camaldulensis ssp. camaldulensis	
Number of trees – 2	
Height (m) – 5.5	
Hollows – 0 recorded	
Diameter (cm) –25	
Canopy dieback (%) – 0	
Total Biodiversity Score – 0.35	
Medium sized Eucalypt tree in exce	ellent o

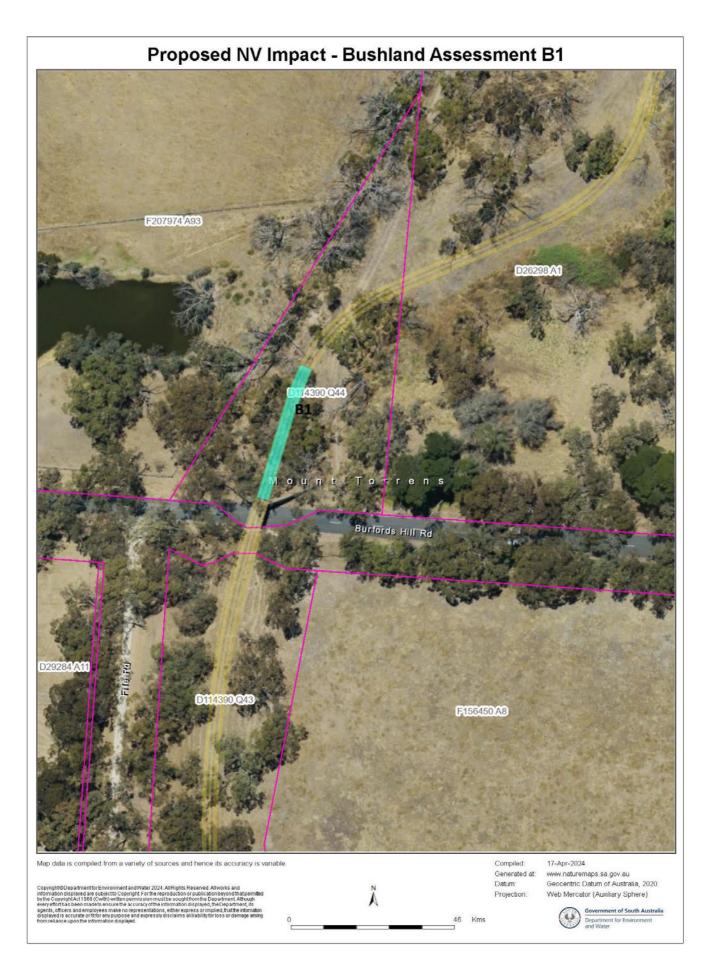








Proposed NV Impact - Bushland Assessment A1





Proposed NV Impact - Bushland Assessment C1



Proposed NV Impact - Bushland Assessment D1







Proposed NV Impact - Bushland Assessment F1

Photo log

A summary of photos indicating some areas where no native vegetation will be impacted along the proposed alignment.



A summary of photos indicating some areas where no native vegetation will be impacted in the proposed alignment and set down areas adjoining Oval Road, Mount Torrens.



A summary of photos indicating some areas where no native vegetation to be impacted at the proposed end point, adjoining Onkaparinga Valley Road, Birdwood.



Summary photo indicating some areas there is planted vegetation along.



4.2 Threatened Species assessment

Species observed on site, or recorded within 5km (50km in the arid zone) of the application area since 1995, or the vegetation is considered to provide suitable habitat

Species	Common name	NP&W Act	EPBC Act	Data source	Date of last record	Species known habitat preferences & likelihood of use for habitat.
Falculculus frontatus frontatus	Eastern shriketit	R	-	3	14- May- 2016	Records within 5kms for A1, B1. The vegetation would provide very limited habitat resources for this species.
Microeca fascinans fascinans	Jacky Winter	R	-	3	24-Oct- 2021	Records within 5kms for A1, B1, C1, D1. The vegetation would provide habitat resources for this species –

						corridors for movement, foraging and perching. Hooded Robins are found in lightly timbered woodland, mainly dominated by acacia and/or eucalypts.
Neophema elegans elegans	Elegant Parrot	R	_	3	15-Sep- 2023	Records within 5kms for A1, B1, C1, D1. It is possible, however unlikely this vegetation would provide valuable habitat for this species. Perhaps corridors for movement between other areas of vegetation.
						Inhabiting open habitats, the Elegant Parrot can be found in a wide variety of habitats, including grasslands, shrublands, mallee, woodlands and thickets, bluebush plains, heathlands, saltmarsh and farmland.
Oriolus sagittatus sagittatus	Olive-backed Oriole	R	-	3	14- Aug- 2002	Records within 5kms for A1, B1, C1, D1, E1, F1 & Trees 1, 2, 4 & 5. It is likely this habitat and trees would provide habitat resources for this species.
						The Olive-backed Oriole lives in forests, woodlands and rainforests, as well as well-treed urban areas, particularly parks and golf courses.
Petroica boodang boodang	Scarlet Robin	R	-	3	15- Sep- 2023	Records within 5kms for A1, B1, C1, D1. It is likely that some of the areas of vegetation will provide perching and areas for foraging of this species.
Pteropus poliocephalus	Grey-headed Flying Fox	R	VU	3	22- Jan- 2020	Records within 5kms for A1, C1, D1. The area provides limited habitat and feeding resources for this species. Taller trees could be utilised for roosting, however unlikely in this landscape.
						Grey Headed Flying-Fox are a canopy- feeding frugivore and nectarivore, which utilises vegetation communities including rainforests, open forests, closed and open woodlands, Melaleuca swamps and Banksia woodlands. Also known to utilise urban gardens and cultivated fruit crops.
Trichosurus vulpecula	Common Brushtail Possum	R	-	3	05- Jun- 2021	Records within 5kms for A1, B1, C1, D1, E1, F1 & Trees 1, 2, 4 & 5. The vegetation would provide valuable habitat for this species and a corridor

						for movement – particularly in areas of better quality with taller trees. Common Brushtail Possums are found in Eucalyptus and Sheoak woodlands. As arboreal animals, they make their nests (also known as dens) in tree hollows or other dark confined spaces such as hollow logs, dense vegetation or rock crevices.
Myiagra inquieta	Restless Flycatcher	R	-	3	15- Feb- 1998	Records within 5kms for C1, D1, E1, F1 & Trees 1, 2, 4 & 5. It is likely this habitat and trees would provide habitat resources for this species. The Restless Flycatcher is found in open forests and woodlands and is frequently seen in farmland.
Zanda funerea whiteae	Yellow-tailed Black Cockatoo	V	-	3	18- Mar- 2018	Records within 5kms for F1. The area provides limited habitat and feeding resources for this species. The natural habitat they prefer ranges from coastal heath, woodland and forest but they are increasingly to be found in pine plantations and patches of pine trees in urban and rural areas.

NP&W Act; E= Endangered, V = Vulnerable, R= Rare

EPBC Act; Ex = Extinct, CR = Critically endangered, EN = Endangered; VU = Vulnerable

Criteria for the likelihood of occurrence of species within the Study area.

Likelihood	Criteria
Highly Likely/Known	Recorded in the last 10 years, the species does not have highly specific niche requirements, the habitat is present and falls within the known range of the species distribution or;
	The species was recorded as part of field surveys.
Likely	Recorded within the previous 20 years, the area falls within the known distribution of the species and the area provides habitat or feeding resources for the species.
Possible	Recorded within the previous 20 years, the area falls inside the known distribution of the species, but the area provide limited habitat or feeding resources for the species.
	Recorded within 20 -40 years, survey effort is considered adequate, habitat and feeding resources present, and species of similar habitat needs have been recorded in the area.
Unlikely	Recorded within the previous 20 years, but the area provide no habitat or feeding resources for the species, including perching, roosting or nesting opportunities, corridor for movement or shelter.
	Recorded within 20 -40 years; however, suitable habitat does not occur, and species of similar habitat requirements have not been recorded in the area.
	No records despite adequate survey effort.

4.3 Cumulative impact

When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must consider the potential cumulative impact, both direct and indirect, that is reasonably likely to result from a proposed clearance activity.

All direct and indirect impacts have been considered in this application. Including fencing considerations, set down and potential car park areas. An extensive process of impact minimization have been undertaken as part of the planning of this proposal, with many areas identified to the applicant where no vegetation would be impacted as a result of planned works. The impact maps indicate the areas which will be impacted. The site plans refer to the overall project area.

4.4 Address the Mitigation Hierarchy

When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must have regard to the mitigation hierarchy. The NVC will also consider, with the aim to minimize, impacts on biological diversity, soil, water and other natural resources, threatened species or ecological communities under the EPBC Act or listed species under the NP&W Act.

a) Avoidance – outline measures taken to avoid clearance of native vegetation

The applicant was not able to avoid impacting native vegetation as part of this project proposal.

b) Minimization – if clearance cannot be avoided, outline measures taken to minimize the extent, duration and intensity of impacts of the clearance on biodiversity to the fullest possible extent (whether the impact is direct, indirect or cumulative).

The applicant has taken all reasonable steps to avoid and minimize impacts to native vegetation as part of this proposal. The width of the proposed alignment is aimed to be 5m wide by 5m high, and the applicant will minimise unnecessary clearance of vegetation within bushland sites by micro-siting during the initial works (all within the clearance envelope identified in this report). The alignment of the proposed bikeway has achieved this by:

- Aligning best (where possible) the proposed bikeway in the section of the corridor where the rail tracks were originally. The ground is compacted in these areas, and where patches of native vegetation exists, it is in comparatively poorer condition.
- The Jacobs preliminary investigations provided the applicant with significant data to enable an informed decision to minimize impacts to vegetation. Several iterations of the alignment has been considered, with the final proposed alignment impacting the least native vegetation.
- > The applicant's intent is to retain as much native vegetation as possible along the corridor, for both amenity and biodiversity purposes.
- In consultation with the Accredited Consultant, (backed up by a field validation and survey process), the applicant altered the alignment to minimize impacts to native vegetation. Refer photographs in the photo log which show native vegetation avoided as part of this process. It included:
 - A significant patch of native grassland in the parcel adjoining Oval Road, Mount Torrens.
 - All native vegetation in the sections adjoining the Onkaparinga Valley Road, Birdwood.
 - Numerous mature Eucalyptus trees along the length of the proposed bikeway, where the alignment has weaved around them.
 - Utilising existing bridge structures to reduce construction impacts to native vegetation.
 - Set down and car park areas avoid all impacts to native vegetation.

This process has been documented in detail. Can provide additional information if required.

c) Rehabilitation or restoration – outline measures taken to rehabilitate ecosystems that have been degraded, and to restore ecosystems that have been degraded, or destroyed by the impact of clearance that cannot be avoided or further minimized, such as allowing for the re-establishment of the vegetation.

No rehabilitation or restoration is included in this proposal.

Offset – any adverse impact on native vegetation that cannot be avoided or further minimized should be offset by the achievement of a significant environmental benefit that outweighs that impact.

The applicant will address the Significant Environmental Benefit Offset by making a payment into the Native Vegetation Fund.

The NVC will only consider an offset once avoidance, minimization and restoration have been documented and fulfilled. The <u>SEB Policy</u> explains the biodiversity offsetting principles that must be met.

4.5 Principles of Clearance (Schedule 1, *Native Vegetation Act* 1991)

The Native Vegetation Council will consider Principles 1(b), 1(c) and 1(d) when assigning a level of Risk under Regulation 16 of the Native Vegetation Regulations. The Native Vegetation Council will consider all the Principles of clearance of the Act as relevant, when considering an application referred under the *Planning, Development and Infrastructure Act 2016*.

Principle of	Relevant information	Assessment against the principles				
clearance						
Principle 1b - significance	Refer to the Threatened Species Assessment for additional	Assessment against the principle: Seriously at Variance - Vegetation Associations - A1, B1, C1, D1 & F1.				
as a habitat for wildlife	information.	(At Variance – E1 & Trees 1, 2, 3 & 4)				
	Patch A1: Threatened Fauna Score: 0.08 Unit Biodiversity Score: 17.23 Patch B1: Threatened Fauna Score: 0.06	Moderating factors that may be considered by the NVC: The Native Vegetation Council (or delegate) may choose to consider the 'Impact Significance' moderating factor when assessing this native vegetation application.				
	Unit Biodiversity Score: 29.80 Patch C1 & D1: Threatened Fauna score: 0.08 Unit Biodiversity Score: 35.54 Patch E1: Threatened Fauna score: 0.04 Unit Biodiversity Score: 26.92	The Native Vegetation Council may wish to decrease the risk from 'Seriously at variance' to 'At Variance' with impact significance considerations. This determination is at the assessment and discretion of the Native Vegetation Council (or delegate).				
	Patch F1: Threatened Fauna score: 0.06 Unit Biodiversity Score: 25.93	It is unlikely that this clearance impact will result in accelerated declines of the listed threatened species. Including a decrease in species occupancy and				
	Trees; 1, 2, 4, 5. Fauna Habitat Score: 1 Tree 3: Fauna Habitat Score: 0 Combined Biodiversity Score: 1.09	population size. Due to the location, it is unlikely to fragment existing local threatened species populations or adversely affect critical habitats of a species. It is noted that the cumulative impacts (from clearance, land degradation and other impacts) contribute to declines across the landscape and this can be seen in incremental				
	The vegetation supports a high diversity of animal species, including many common species and declining birds of the Mount Lofty Ranges. The future potential also is for the site to support the grassy woodland specialist species which are	and long-term degradation of habitats and species decline. However, much of the declines in species' have been observed from long term historical degradation across the landscape.				

	continuing to decline across the Mount Lofty Ranges and Adelaide Plains due to historical and continuing habitat fragmentation and other impacts.	
Principle 1c - plants of a rare, vulnerable or endangered species	The PMST search identified 16 flora species that may occur in the 5km study area. Of these, four have been observed within 5km <i>Caladenia</i> <i>argocalla</i> (White Beauty Spider- Orchid), <i>Caladenia behrii</i> (Pink-lipped Spider Orchid), <i>Caladenia rigida</i> (Stiff White Spider-orchid) and <i>Glycine</i> <i>latrobeana</i> (Clover Glycine). Of the species highlighted in the PMST all are considered unlikely to occur. No threatened species were recorded for the site or that may be present but undetectable at the time of assessment. Threatened Flora Score(s) – 0	Assessment against the principle - Not at Variance
Principle 1d - the vegetation comprises the whole or part of a plant community that is Rare, Vulnerable or endangered:	No vegetation that comprises the whole or part of a plant community that is Rare, Vulnerable or endangered was recorded. One Critically Endangered TEC for Australia was identified in the PMST as 'likely to occur" within the study area: • Peppermint Box (Eucalyptus odorata) Grassy Woodland of South Australia. This community was NOT found to occur during the vegetation survey, nor were any individual E. odorata trees observed (noting that many trees were bushfire affected). The nearest mapped Peppermint Box Woodland is more than 4km east of the site with a very small patch over 4km to the east. This community is considered unlikely to occur.	Assessment against the principle - Not at Variance

4.6 Risk Assessment

Total	No. of trees	15
clearance	Area (ha)	0.615
	Total biodiversity Score	22.90
Seriously at v	ariance with principle 1(b), 1(c) or 1 (d)	1(b)
Risk assessme	nt outcome	Level 4

Determine the level of risk associated with the application

4.7 NVC Guidelines

Provide any other information that demonstrates that the clearance complies with any relevant NVC guidelines related to the activity.

The proposal can be defined as a public recreation trail and is therefore subject to Regulation 12(36) – Recreation track of the Native Vegetation Regulations, 2017. Regulation 12(36) allows clearance of vegetation to establish or maintain a track for public recreational use involving the use of non-motorised vehicles, such as for bicycles or horses. Clearance must be risk assessed and meet the legislative requirements of Regulation 12(36) including achieving the Mitigation Hierarchy to avoid, minimise, rehabilitate and offset vegetation clearance, and including provision of a Significant Environmental Benefit (SEB).

5. Clearance summary

Clearance Area Summary table

Block	Site	Species diversity score	Threatened Ecological community Score	Threatened plant score	Threatened fauna score	UBS	Area (ha)	Total Biodiversity score	Loss factor	Loadings/ Reductions	SEB Points required	SEB payment	Admin Fee
Α	1	10	1	0	0.08	17.23	0.057	0.98	1	-	1.03	\$1,147.36	\$63.05
В	1	10	1	0	0.06	29.80	0.014	0.42	1	-	0.44	\$475.29	\$26.14
С	1	14	1	0	0.08	35.54	0.38	13.51	1	-	14.18	\$15,005.67	\$825.31
D	1	14	1	0	0.08	55.54	0.56	15.51	1	-	14.10	\$15,005.07	3023.31
E	1	10	1	0	0.04	26.92	0.100	2.69	1	-	2.83	\$2,889.57	\$158.93
F	1	14	1	0	0.06	35.93	0.064	2.30	1	-	2.41	\$2,468.31	\$135.76
						Total	0.615	19.90			20.89	\$21,986.20	\$1.209.19

Scattered trees Summary table

Tree ID	Number of trees	Fauna Habitat score	Threatened flora score	Biodiversity score	Loss factor	SEB Points required	SEB Payment (incl admin fee)
1	1	1	0	0.28	1	0.30	\$322.50
2	10	1	0	2.05	1	2.15	\$2,324.29
3	2	0	0	0.13	1	0.14	\$150.22
4	1	1	0	0.18	1	0.19	\$203.69
5	1	1	0	0.35	1	0.37	\$401.48
Total	15			3.00		3.15	\$3,402.17

Totals summary table

Total Biodiversity				
score	Total SEB points required	SEB Payment	Admin Fee	Total Payment
22.90	24.04	\$25,211.01	\$1,386.55	\$26,597.56

Economies of Scale Factor	0.5
Rainfall (mm)	685

6. Significant Environmental Benefit

A Significant Environmental Benefit (SEB) is required for approval to clear under Division 5 of the *Native Vegetation Regulations 2017*. The NVC must be satisfied that as a result of the loss of vegetation from the clearance that an SEB will result in a positive impact on the environment that is over and above the negative impact of the clearance.

ACHIEVING AN SEB

Indicate how the SEB will be achieved by ticking the appropriate box and providing the associated information:

Pay into the Native Vegetation Fund.

PAYMENT SEB

If a proponent proposes to achieve the SEB by paying into the Native Vegetation Fund, summary information must be provided on the amount required to be paid and the manner of payment:

Payment amount required = \$25,211.01 (no GST) plus admin fee of \$1,386.55 (GST incl) = \$26,597.56