

South Steiglitz Flora and Fauna Habitat Assessment

Prepared by John Miller

for

The Steiglitz Community Group Committee

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Steiglitz Community Group committee

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- Fiona Gray

Field survey group

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With their assistance it was possible to survey the whole of the study area over the weekend.

Mapping

Base GIS data and GPS equipment was provided by John Winkler and the mapping was produced by Johanna Botmann.

Author Statement

I, John Miller, am the author of this report and I also managed and conducted the associated field assessment.

I am an independent environmental assessor and have no affiliations with any organisations that have a pecuniary interest in the current study area.

I have a B.App.Sci and a M.app.Sci in Natural Resource Management, both from the University of Ballarat (now known as Federation University). Prior to retirement in 2016 I was employed by the private consulting firm Biosis Pty Ltd where I was Principal Botanist for almost 15 years.

As a consultant botanist/ecologist, I have authored and contributed to a large number of environmental assessments throughout Victoria and have presented research findings and opinions as an expert witness to the Victorian Civil and Administrative Tribunal (VCAT) and to Panels Victoria for Major Projects Victoria.

I was Ranger-in-charge of Brisbane Ranges National Park and Steiglitz Historic Park from 1980 to 1984 and through that role I have an excellent understanding of the environmental issues associated with the current study area.

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Summary

The flora and fauna habitat assessment of the South Steiglitz study area was undertaken at the request of the Steiglitz Community Group. The Steiglitz Community Group are concerned about any industrial scale development proposals that have the potential to adversely impact on the flora and fauna values of both the Brisbane Ranges National Park, other Crown Land and undeveloped private land.

A preliminary flora and fauna habitat assessment was undertaken on 27 and 28 March 2021.

The aims of the survey were to identify and record the flora and fauna values of the study area and assess the potential adverse impacts of any industrial development on those values.

A total of 160 vascular plant species were recorded comprised of 126 native and 34 introduced species. Forty records of five listed fauna species, including Melbourne Yellow Gum, Yarra Gum, Golden Grevillea, Snowy Mintbush and Fragrant Saltbush were recorded:

The fauna habitat assessment indicated that there is suitable habitat within the potential development areas for at least 12 species listed under the EPBC Act, the VBA Advisory List or the FFG Act. All of these species, as well as other non-listed species, would be adversely impacted by any proposed industrial development on the site.

The assessment recorded 35 large old trees, some with hollows, within the study area. Large old trees, which are very restricted and rare within the broader Brisbane Ranges area, provide essential habitat for a range of fauna species including the FFG Act and vulnerable Brush-tailed Phascogale and the vulnerable Powerful Owl.

Potential direct flora and fauna impacts within the potential development sites include:

- Loss of listed flora and fauna species.
- Loss of habitat for listed and other fauna.
- Loss of large old trees, an extremely limited resource in the wider area.
- Spread of Cinnamon Fungus by industrial equipment.
- Loss of dispersal pathways for native fauna.

Potential indirect impacts in adjacent areas of the Brisbane Ranges National Park, other Crown Land and private land include:

- Loss of habitat for significant fauna species due to noise.
- Disturbance to nocturnal fauna species due to light spill.
- Impacts on water quality in Sutherlands Creek.
- Loss of habitat for water dependent fauna within Sutherlands Creek.
- Dust emanating from the development site.

If developments on an industrial scale were to be conducted within the study area it would undoubtedly have an unavoidable deleterious impact on the habitat and movement of native fauna. It would not be possible for most native fauna species to coexist with any industrial operations, and it is highly likely that the deleterious impacts would impact on the Brisbane Ranges National Park and other surrounding areas.

1. Introduction

A flora and fauna habitat assessment was conducted over an area south of the Steiglitz township.

The aims of the study were to:

- Characterise the flora and vegetation communities of the study area.
- Record significant flora species and where they occur within the study area.
- Identify important fauna habitat within the study area.
- Gain an understanding of the potential impacts of a large-scale industrial development on the flora and fauna values of the site and general area.

Project background

There is some potential for industrial scale developments in the South Steiglitz area at the southern end of the South Steiglitz Road and the northern end of Seal Road (Map 2). Any industrial development activities have the potential to impact on the flora and fauna values both within the immediate area of the works and further afield.

To gain a better understanding of the flora and fauna values within the area a flora and fauna assessment was commissioned by the Steiglitz Community Group.

Scope of assessment

The flora and fauna habitat assessment was restricted to locations previously identified by the Steiglitz Community Group as being the most likely to be directly impacted by proposed industrial developments.

Vegetation communities were identified, and all vascular plant species encountered were recorded. Non-vascular plants were not considered.

Potential fauna habitat, based on previous records from the Victorian Biodiversity Atlas (VBA) which is administered by the Department of Environment Land Water and Planning (DELWP) was defined and recorded. A full fauna assessment including insects, reptiles and amphibians was beyond the scope of the study.

Location of the study area

The study area is located approximately 3 km south of Steiglitz, which is located approximately 30 km NNW of Geelong (Map 1).

The study area was comprised of:

- The areas most likely to be used as the access routes to potential developments.
- The flatter areas on the South Steiglitz Road that are considered most likely to be suitable for development activities.

- The areas adjacent to Seal Road from the Steiglitz Road to its junction with the South Steiglitz Road. The three alignments that comprise Seal Road, which are considered the most likely access routes into any development sites, were assessed.

The study area is a mixture of privately owned freehold land and public land. The public land is located along the easements of the South Steiglitz Road and the three alignments of Seal Road, and the Sutherlands Creek West Branch water frontage and a separate rectangular block of Crown Land which are managed by DELWP (Map 2).

The study area is within:

- The Central Victorian Uplands Bioregion
- The Corangamite Catchment Management Authority area
- Golden Plains Shire

2. Methods

2.1 Background review

The flora and fauna data previously recorded within the VBA and within five km of the current study area was reviewed and used as the basis for the current assessment.

Beacon Ecological prepared a draft *Biodiversity Assessment: Detailed Assessment Pathway for a Proposed Dwelling* in 2019, which included a vegetation quality assessment. The conduct of a vegetation quality assessment was beyond the scope of the current assessment, and the Beacon Ecology assessment was used to provide an acceptable guide as to the quality of the vegetation within the current study area.

2.2 Definitions of significance

The significance of the flora and fauna species follows the listing of significance used in the VBA.

2.3 Determining likelihood of occurrence of significant species

Likelihood of occurrence indicates the potential for a species or ecological community to occur within the study area. It is based on opinion and an assessment of the habitats on site.

Likelihood of occurrence is ranked as negligible, low, medium, high or recorded. Only those species listed under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), the VBA or under the Flora and Fauna Guarantee Act 1988 (FFG Act) are assessed to determine their likelihood of occurrence.

The likelihood of significant fauna species occurring within the study area is based on previous records and the presence of suitable habitat features for the species in question.

2.4 Site investigation

The initial flora and fauna habitat assessment was undertaken 27 and 28 March 2021.

2.4.1 Flora assessment

Ecological vegetation classes (EVCs) and all vascular flora species encountered within 21 quadrats were recorded (Map 3, Appendix 1). Planted species around houses and other outbuildings were not recorded unless they were spreading within the site.

2.4.2 Fauna habitat assessment

Fauna surveys were not conducted. Previous records from the area, as recorded in the VBA (Appendix 2), were used to determine which species are likely to occur within the study area. The fauna habitat assessment recorded:

- the presence of large old trees and trees that contain hollows.
- the presence of large logs.
- the presence of animal scats, pellets, scratches on trees and other signs of fauna use.

The loss of coarse woody debris from Victorian native forests and woodlands and the loss of hollow-bearing trees from Victorian native forests are both listed as Threatening Processes under the FFG Act.

2.4.3 Cinnamon Fungus

Cinnamon Fungus *Phytophthora cinnamomi* is widespread and entrenched in the Brisbane Ranges and Steiglitz area. The results of its impacts can be readily seen in the death of Grass-trees *Xanthorrhoea australis* and the replacement of healthy understorey species with sedges and other fungus-resistant species.

No testing for the occurrence of Cinnamon Fungus was conducted as part of this assessment but it is assumed it is present throughout. It is likely that any mechanical ground disturbance is likely to promote its spread.

The spread of *Phytophthora cinnamomi* from infected sites into parks and reserves, including roadsides, under the control of a state or local government authority is listed as a threatening process under the FFG Act.

2.4.4 Limitations

The initial flora and fauna habitat assessment was conducted in autumn (March 27-28) so it is likely that many small annual species and ephemeral species would have been dormant or otherwise not visible or identifiable at that time of the year.

The March assessment was conducted primarily to establish which vegetation communities (ecological vegetation classes) are present within the study area and record a list of the perennial vascular flora species present. Additional surveys during late winter or spring will be required to ensure that any additional annual or ephemeral species such as lilies, orchids and annual grasses are recorded.

2.5 Mapping

Mapping was conducted using hand-held GPS. The accuracy of this mapping is subject to the accuracy of the GPS receiver (generally ± 3 metres) and dependent on the limitations of aerial photo rectification and registration.

Mapping has been produced using a Geographic Information System (GIS).

3. Results

The results of the flora and fauna habitat assessment are described below.

3.1 Flora records

A total of 160 vascular plant species were recorded comprised of 126 native and 34 introduced species.

Forty records of five significant species were recorded:

- *Eucalyptus leucoxylon* subsp. *connata* Melbourne Yellow Gum Listed as Vulnerable in Victoria (7 records - but undoubtedly very widespread in the Grass Dry Forest ecological vegetation class (EVC);
- *Eucalyptus yarraensis* Yarra Gum, Listed as Rare in Victoria (12 records all confined to the Valley Grassy Forest EVC);
- *Grevillea chrysophaea* Golden Grevillea, Listed as rare in Victoria (14 records all in Heathy Dry Forest EVC);
- *Prostanthera nivea* var *nivea* Snowy Mintbush, Listed as rare in Victoria (1 record);
- *Rhagodia parabolica* Fragrant Saltbush, Listed as rare in Victoria (6 scattered records).

Two additional significant species, *Olearia pannosa* subsp. *cardiophylla* Velvet Daisy-bush and *Pultenaea graveolens* Scented Bush-pea, both Listed as Vulnerable in Victoria, are known to occur in the local area but neither was recorded in the current assessment.

The location of the significant species records are shown in Maps 4 & 4a.

3.2 Native vegetation

Three ecological vegetation classes were recorded within the study area:

- Valley Grassy Forest – on the valley flats along main drainage lines.
- Grassy Dry Forest – mainly on the southern and western aspects of the hills.
- Heathy Dry Forest – on the gravelly ridges and highest areas in the study area.

Photos of the EVCs are shown in Appendix 2.

3.3 Vegetation Condition

A vegetation condition assessment was not conducted as part of this current study. However, the Beacon Ecological (2019) study of an adjacent block of land, which supports vegetation similar to the current study area, assessed the quality of the native vegetation as:

- Grassy Dry Forest – score of 0.65
- Heathy Dry Forest – score of 0.62.

The area recorded in the current assessment as Valley Grassy Forest EVC was not scored for the purposes of vegetation condition by Beacon Ecological (2019) because it was determined

as predominantly introduced vegetation – mainly due to a thick sward of *Phalaris canariensis* Toowoomba Canary-grass.

The current study agrees with this assessment of the Valley Grassy Forest for the part of the study area within property RL (Map 2). However, the other areas of Valley Grassy Forest within the Crown Land block and property SC retain sufficient cover of native species to require a vegetation quality assessment as Valley Grassy Forest. Any proposed disturbance to these areas would require a full habitat hectares assessment.

3.4 Significant ecological communities

The significance of the EVCs is defined by a listing process by DELWP. The EVCs within the study area are listed as:

- Valley Grassy Forest – Vulnerable.
- Grassy Dry Forest – Depleted.
- Heathy Dry Forest – is Least Concern.

3.5 Fauna habitat assessment

The fauna habitat assessment was conducted in conjunction with the vegetation survey.

Emphasis was placed on recording large old trees (including dead trees) – those with a diameter at breast height (1.3m above ground level) of 60cm or greater and trees that contain hollows. Observations of fauna traces – scats, pellets, “white-wash” were recorded opportunistically but detailed surveys were not undertaken.

The fauna habitat assessment recorded:

- 35 large old trees, all of which (except for one *Eucalyptus gonicalyx* subsp. *gonicalyx* Bundy) were located in the Valley Grassy Forest (Maps 5 & 5a, Appendix 1)
- Areas of large logs (fallen or felled trees and branches with a diameter greater than 60cm) along main drainage lines.
- Macropod (wallaby or kangaroo) scats mainly in the areas of Valley Grassy Forest.
- Koala scats – a few scattered records
- Scratches on tree trunks – some scratches were recorded on the trunks of large Melbourne Yellow Gum trees but it was not possible to determine the species responsible.

3.6 Likelihood of occurrence of significant fauna

The likelihood of fauna species listed under the FFG Act, VBA or the EPBC Act and which have been previously recorded within 5km of the study area are shown below.

Species	Status	Likelihood
Barking Owl	f e	Medium in areas with large trees.
Brush-tailed Phascogale	f V v	High
Chestnut-rumped Heathwren	f v	Low

Species	Status	Likelihood
Grey Goshawk	f v	Medium
Hooded Robin	f nt	High
Painted Honeyeater	f V v	Medium
Powerful Owl	f v	High in areas with large trees.
Speckled Warbler	f v	Low
Swift Parrot	CR	Medium. Habitat present but has not been recorded.
White-throated Needletail	f V v	Unlikely
Yarra Pygmy Perch	f V v	High in Sutherlands Creek.
Growling Grass Frog	f V e	Low but possible in and around dams
Common Bent-wing Bat	f	High
Common Dunnart	v	High

Status: CR – critically endangered under EPBC Act; e – endangered under VBA; V – vulnerable under EPBC Act; v – vulnerable under VBA; r – rare under VBA; nt – near threatened under VBA; f – Listed under FFG Act 1988

3.7 Cinnamon Fungus

The signs of Cinnamon Fungus were evident particularly in the Heathy Dry Forest where dead and dying *Xanthorrhoea australis* Austral Grass-trees were present. However, it is assumed that Cinnamon Fungus is present throughout the study area.

3.8 Landscape context

The study area is located in an area dominated by native vegetation adjacent to the Brisbane Ranges National Park and other smaller blocks of Crown Land and undeveloped private land. Any loss of native vegetation within the study area is likely to restrict the movement of native species through the landscape.

The study area is also adjacent to Sutherlands Creek, which drains southwards into the Moorabool River and then into the Barwon River at Geelong. Any impacts on the water quality of Sutherlands Creek would result loss of habitat for significant aquatic species locally and have other downstream impacts over a wide area.

4. Potential impacts of any development

Any development, in particular industrial scale development, is likely to have a significant adverse impact on a range of ecological values both within the study area and the adjacent Brisbane Ranges National Park and private land.

The study area supports predominantly native vegetation in good to very good condition that is contiguous with the native vegetation in the Brisbane Ranges National Park, other Crown Land along Sutherlands Creek, and other undeveloped private land.

The study area and surrounding areas are known to provide habitat for a range of significant flora and fauna species, many of which are certain to be adversely impacted by development.

Potential direct impacts within any development sites include:

- Loss of listed flora and fauna species.
- Loss of habitat for listed and other fauna.
- Loss of large old hollow-bearing trees, an extremely limited resource in the wider area and essential habitat for some listed species.
- Spread of Cinnamon Fungus, a listed Threatening Process, by industrial equipment.
- Loss of dispersal pathways for native fauna.

Potential indirect impacts in adjacent areas of the Brisbane Ranges National Park, other Crown Land and private land include:

- Loss of habitat for significant fauna species due to noise from vehicles and industrial processes.
- Disturbance to nocturnal fauna species due to light spilling from night-time operations.
- Impacts on water quality in Sutherlands Creek.
- Loss of habitat for water dependent fauna within Sutherlands Creek due to impacts on water quality.
- Dust emanating from the development site.

If development on an industrial scale were to be conducted within the study area it would undoubtedly have an unavoidable deleterious impact on the habitat and movement of native fauna. It would not be possible for most native fauna species to coexist with any industrial operations, and it is highly likely that the deleterious impacts would impact on the surrounding areas.

References

Beacon Ecology (Unpublished – 2019). *315 South Steiglitz Road, Steiglitz. Biodiversity Assessment: Detailed Assessment Pathway for a Proposed Dwelling*. Beacon Ecology.

Victorian Biodiversity Atlas - <https://vba.dse.vic.gov.au/vba/>

Appendix 1: Flora records

Appendix 1.1: Quadrat species lists. The location of flora quadrats is shown in Map 3.

Quadrat ID	SS1	
Location	251804; 5801268	
EVC	Valley Grassy Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia mearnsii</i>	Black Wattle	
<i>Acaena agnipila</i>	Hairy Sheep's Burr	
<i>Acaena novae-zelandiae</i>	Bidgee-widgee	
<i>Acetosella vulgaris</i>	Sheep Sorrel	Introduced
<i>Aptenia</i> spp.	Heart-leaf Ice-plant	Introduced
<i>Arctotheca calendula</i>	Cape Weed	Introduced
<i>Clematis microphylla</i> s.s.	Small-leaved Clematis	
<i>Einadia nutans</i>	Nodding Saltbush	
<i>Eucalyptus viminalis</i>	Manna Gum	
<i>Eucalyptus yarraensis</i>	Yarra Gum	r
<i>Euphorbia lathyris</i>	Caper Spurge	Introduced
<i>Fumaria</i> spp.	Fumitory	Introduced
<i>Galenia pubescens</i> var. <i>pubescens</i>	Galenia	Introduced
<i>Galium aparine</i>	Cleavers	Introduced
<i>Holcus lanatus</i>	Yorkshire Fog	Introduced
<i>Juncus pallidus</i>	Pale Rush	
<i>Leontodon saxatilis</i> subsp. <i>saxatilis</i>	Hairy Hawkbit	Introduced
<i>Lepidium africanum</i>	Common Peppercross	Introduced
<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass	
<i>Oxalis perennans</i>	Grassland Wood-sorrel	
<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Introduced
<i>Plantago coronopus</i>	Buck's-horn Plantain	Introduced
<i>Poa bulbosa</i>	Bulbous Meadow-grass	Introduced
<i>Pteridium esculentum</i> subsp. <i>esculentum</i>	Austral Bracken	
<i>Rumex crispus</i>	Curled Dock	Introduced
<i>Rytidosperma geniculatum</i>	Knead Wallaby-grass	
<i>Schinus molle</i>	Pepper Tree	Introduced
<i>Solanum nigrum</i> s.s.	Black Nightshade	Introduced
<i>Ulex europaeus</i>	Gorse	Introduced

Quadrat ID	SS2	
Location	251804; 5801268	
EVC	Valley Grassy Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia mearnsii</i>	Black Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Bromus diandrus</i>	Great Brome	Introduced
<i>Calocephalus lacteus</i>	Milky Beauty-heads	
<i>Carex appressa</i>	Tall Sedge	
<i>Cirsium vulgare</i>	Spear Thistle	Introduced
<i>Clematis microphylla</i> s.s.	Small-leaved Clematis	
<i>Dichondra repens</i>	Kidney-weed	
<i>Eucalyptus viminalis</i>	Manna Gum	
<i>Festuca muelleri</i>	Alpine Fescue	

<i>Fumaria spp.</i>	Fumitory	Introduced
<i>Galium aparine</i>	Cleavers	Introduced
<i>Holcus lanatus</i>	Yorkshire Fog	Introduced
<i>Juncus pallidus</i>	Pale Rush	
<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Introduced
<i>Poa labillardierei</i>	Common Tussock-grass	
<i>Solenogyne dominii</i>	Smooth Solenogyne	
<i>Ulex europaeus</i>	Gorse	Introduced

Quadrat ID	SS3
Location	251929; 5800971
EVC	Valley Grassy Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia mearnsii</i>	Black Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acaena agnipila</i>	Hairy Sheep's Burr	
<i>Adiantum aethiopicum</i>	Common Maidenhair	
<i>Aira spp.</i>	Hair Grass	Introduced
<i>Briza maxima</i>	Large Quaking-grass	Introduced
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Clematis microphylla s.s.</i>	Small-leaved Clematis	
<i>Dianella revoluta var. revoluta s.l.</i>	Black-anther Flax-lily	
<i>Dichondra repens</i>	Kidney-weed	
<i>Ehrharta longiflora</i>	Annual Veldt-grass	Introduced
<i>Einadia hastata</i>	Saloop	
<i>Einadia nutans</i>	Nodding Saltbush	
<i>Eucalyptus baxteri s.l.</i>	Brown Stringybark	
<i>Eucalyptus leucoxylon subsp. leucoxylon</i>	Yellow Gum	
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box	
<i>Euchiton spp.</i>	Cudweed	
<i>Fumaria spp.</i>	Fumitory	Introduced
<i>Geranium spp.</i>	Crane's Bill	

Quadrat ID	SS4		
Location	5800945; 5800945		
EVC	Valley Grassy Forest		
Date	27/03/2021		
Species	Common name	Status	
<i>Acacia mearnsii</i>	Black Wattle		
<i>Acacia pycnantha</i>	Golden Wattle		
<i>Acaena novae-zelandiae</i>	Bidgee-widgee		
<i>Aira spp.</i>	Hair Grass	Introduced	
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Introduced	
<i>Asparagus officinalis</i>	Asparagus	Introduced	
<i>Briza maxima</i>	Large Quaking-grass	Introduced	
<i>Calocephalus lacteus</i>	Milky Beauty-heads		
<i>Carex appressa</i>	Tall Sedge		
<i>Carpobrotus modestus</i>	Inland Pigface		
<i>Cirsium vulgare</i>	Spear Thistle	Introduced	
<i>Clematis microphylla s.s.</i>	Small-leaved Clematis		
<i>Dichondra repens</i>	Kidney-weed		
<i>Ehrharta longiflora</i>	Annual Veldt-grass	Introduced	
<i>Einadia hastata</i>	Saloop		
<i>Einadia nutans</i>	Nodding Saltbush		
<i>Eucalyptus leucoxylon subsp. leucoxylon</i>	Yellow Gum		
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box		
<i>Fumaria spp.</i>	Fumitory	Introduced	
<i>Geranium spp.</i>	Crane's Bill		
<i>Holcus lanatus</i>	Yorkshire Fog	Introduced	
<i>Hypochaeris radicata</i>	Flatweed	Introduced	
<i>Juncus pallidus</i>	Pale Rush		
<i>Laphangium luteoalbum</i>	Jersey Cudweed		
<i>Lomandra filiformis subsp. coriacea</i>	Wattle Mat-rush		
<i>Lysimachia arvensis</i>	Pimpernel	Introduced	
<i>Microlaena stipoides var. stipoides</i>	Weeping Grass		
<i>Oxalis perennans</i>	Grassland Wood-sorrel		
<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Introduced	
<i>Poa labillardierei</i>	Common Tussock-grass		
<i>Rumex brownii</i>	Slender Dock		
<i>Rytidosperma spp.</i>	Wallaby Grass		
<i>Senecio phelleus</i>	Stony Fireweed		
<i>Senecio quadridentatus</i>	Cotton Fireweed		
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Introduced	
<i>Wahlenbergia gracilis</i>	Sprawling Bluebell		

Quadrat ID	SS5	
Location	252023; 5800826	
EVC	Heathy Dry Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia acinacea</i> s.s.	Gold-dust Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus melliodora</i>	Yellow Box	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	

Quadrat ID	SS6	
Location	251861; 5801153	
EVC	Grassy Dry Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Aira caryophyllea</i> subsp. <i>caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Clematis microphylla</i> s.s.	Small-leaved Clematis	
<i>Crassula sieberiana</i> s.l.	Sieber Crassula	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Ehrharta erecta</i>	Panic Veldt-grass	Introduced
<i>Einadia hastata</i>	Saloop	
<i>Einadia nutans</i>	Nodding Saltbush	
<i>Eucalyptus leucoxylon</i> subsp. <i>leucoxylon</i>	Yellow Gum	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Eucalyptus tricarpa</i>	Red Ironbark	
<i>Hypochaeris radicata</i>	Flatweed	Introduced
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Rhagodia parabolica</i>	Fragrant Saltbush	r
<i>Senecio glomeratus</i>	Annual Fireweed	
<i>Senecio phelleus</i>	Stony Fireweed	

Quadrat ID	SS7	
Location	252168; 5800655	
EVC	Heathy Dry Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia gunnii</i>	Ploughshare Wattle	
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Calytrix tetragona</i>	Common Fringe-myrtle	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Grevillea chrysophaea</i>	Golden Grevillea	r
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Hovea heterophylla</i>	Common Hovea	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	Wattle Mat-rush	
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS8	
Location	252207; 5800439	
EVC	Heathy Dry Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Burchardia umbellata</i>	Milkmaids	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Centrolepis strigosa</i> subsp. <i>strigosa</i>	Hairy Centrolepis	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Leptospermum continentale</i>	Prickly Tea-tree	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Monotoca scoparia</i>	Prickly Broom-heath	

<i>Styphelia humifusa</i>	Cranberry Heath	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS9
Location	252418; 5800425
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia acinacea s.l.</i>	Gold-dust Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Burchardia umbellata</i>	Milkmaids	
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Briza maxima</i>	Large Quaking-grass	Introduced
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cassytha glabella</i>	Slender Dodder-laurel	
<i>Centrolepis strigosa subsp. strigosa</i>	Hairy Centrolepis	
<i>Dianella revoluta var. revoluta s.l.</i>	Black-anther Flax-lily	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Grevillea chrysophaea</i>	Golden Grevillea	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Lomandra filiformis subsp. coriacea</i>	Wattle Mat-rush	
<i>Microlaena stipoides var. stipoides</i>	Weeping Grass	
<i>Opercularia varia</i>	Variable Stinkweed	
<i>Rytidosperma spp.</i>	Wallaby Grass	
<i>Styphelia humifusa</i>	Cranberry Heath	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Vulpia myuros f. myuros</i>	Rat's-tail Fescue	Introduced
<i>Wahlenbergia gracilis</i>	Sprawling Bluebell	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS10
Location	252447; 5800396
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cassytha glabella</i>	Slender Dodder-laurel	
<i>Cassytha melantha</i>	Coarse Dodder-laurel	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Einadia hastata</i>	Saloop	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	

Quadrat ID	SS11
Location	251763; 5800886
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Dianella admixta</i>	Black-anther Flax-lily	
<i>Einadia hastata</i>	Saloop	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Leucopogon virgatus</i> var. <i>virgatus</i>	Common Beard-heath	
<i>Lissanthe strigosa</i> subsp. <i>subulata</i>	Peach Heath	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Pterostylis</i> sp. aff. <i>revoluta</i> (Inland)	Large Autumn Greenhood	
<i>Pultenaea daphnoides</i>	Large-leaf Bush-pea	
<i>Pultenaea graveolens</i>	Scented Bush-pea	r
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Styphelia humifusa</i>	Cranberry Heath	

Quadrat ID	SS12
Location	251847; 5800849
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia implexa</i>	Lightwood	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Aira elegantissima</i>	Delicate Hair-grass	Introduced
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Austrostipa spp.</i>	Spear Grass	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cassytha melantha</i>	Coarse Dodder-laurel	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Einadia hastata</i>	Saloop	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Rytidosperma spp.</i>	Wallaby Grass	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS13	
Location	251820; 5800772	
EVC	Heathy Dry Forest	
Date	27/03/2021	
Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cheilanthes austrotenuifolia</i>	Green Rock-fern	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Einadia hastata</i>	Saloop	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus</i> subsp. <i>vestita</i>	Red Box	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Opercularia varia</i>	Variable Stinkweed	
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Wahlenbergia</i> spp.	Bluebell	

Quadrat ID	SS14
Location	251860; 5800715
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia mitchellii</i>	Mitchell's Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Aira caryophyllea</i> subsp. <i>caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Brachyloma ciliatum</i>	Fringed Brachyloma	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>	Blue Stars	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus</i> subsp. <i>vestita</i>	Red Box	
<i>Gompholobium huegelii</i>	Common Wedge-pea	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Hovea heterophylla</i>	Common Hovea	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Lissanthe strigosa</i> subsp. <i>subulata</i>	Peach Heath	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Pimelea humilis</i>	Common Rice-flower	
<i>Tetratheca ciliata</i>	Pink-bells	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Introduced
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS15
Location	251897; 5800609
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acianthus pusillus</i>	Small Mosquito-orchid	
<i>Aira caryophyllea</i> subsp. <i>caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Caleana major</i>	Large Duck-orchid	
<i>Carpobrotus modestus</i>	Inland Pigface	

<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Drosera auriculata</i>	Tall Sundew	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus</i> subsp. <i>vestita</i>	Red Box	
<i>Gompholobium huegelii</i>	Common Wedge-pea	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Leucopogon virgatus</i> var. <i>virgatus</i>	Common Beard-heath	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>	Many-flowered Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Pimelea humilis</i>	Common Rice-flower	
<i>Platylobium obtusangulum</i>	Common Flat-pea	
<i>Pultenaea humilis</i>	Dwarf Bush-pea	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Tetratheca ciliata</i>	Pink-bells	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS16
Location	251881; 5800613
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia gunnii</i>	Ploughshare Wattle	
<i>Acacia mearnsii</i>	Black Wattle	
<i>Acacia mitchellii</i>	Mitchell's Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Austrostipa</i> spp.	Spear Grass	
<i>Brachyloma ciliatum</i>	Fringed Brachyloma	
<i>Caleana major</i>	Large Duck-orchid	
<i>Calytrix tetragona</i>	Common Fringe-myrtle	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea	
<i>Dillwynia sericea</i>	Showy Parrot-pea	

<i>Drosera auriculata</i>	Tall Sundew	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Grevillea chrysophaea</i>	Golden Grevillea	
<i>Hardenbergia violacea</i>	Purple Coral-pea	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Hovea heterophylla</i>	Common Hovea	
<i>Hypochaeris radicata</i>	Flatweed	Introduced
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	Wattle Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Senecio quadridentatus/tenuiflorus</i> spp. agg.	Cotton/Slender Fireweed species aggregate	
<i>Thelymitra</i> spp.	Sun Orchid	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS17
Location	251945; 5800547
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus obliqua</i>	Messmate Stringybark	
<i>Eucalyptus polyanthemos</i> subsp. <i>vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Grevillea chrysophaea</i>	Golden Grevillea	
<i>Hovea heterophylla</i>	Common Hovea	
<i>Hypochaeris radicata</i>	Flatweed	Introduced
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>	Many-flowered Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Pimelea humilis</i>	Common Rice-flower	

<i>Platylobium obtusangulum</i>	Common Flat-pea	
<i>Prostanthera nivea</i> var. <i>nivea</i>	Snowy Mint-bush	
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Tetralathea ciliata</i>	Pink-bells	
<i>Thelymitra</i> spp.	Sun Orchid	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Introduced
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS18		
Location	252052; 5800491		
EVC	Heathy Dry Forest		
Date	27/03/2021		
Species	Common name	Status	
<i>Acacia pycnantha</i>	Golden Wattle		
<i>Brachyloma ciliatum</i>	Fringed Brachyloma		
<i>Caleana major</i>	Large Duck-orchid		
<i>Caleana minor</i>	Small Duck-orchid		
<i>Carpobrotus modestus</i>	Inland Pigface		
<i>Centrolepis strigosa</i> subsp. <i>strigosa</i>	Hairy Centrolepis		
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily		
<i>Drosera auriculata</i>	Tall Sundew		
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath		
<i>Eriochilus cucullatus</i> s.s.	Parson's Bands		
<i>Eucalyptus macrorhyncha</i>	Red Stringybark		
<i>Eucalyptus polyanthemus</i> subsp. <i>vestita</i>	Red Box		
<i>Gonocarpus tetragynus</i>	Common Raspwort		
<i>Goodenia geniculata</i>	Bent Goodenia		
<i>Grevillea chrysophaea</i>	Golden Grevillea		
<i>Hydrocotyle laxiflora</i>	Stinking Pennywort		
<i>Leptospermum myrsinoides</i>	Heath Tea-tree		
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush		
<i>Pimelea humilis</i>	Common Rice-flower		
<i>Pterostylis parviflora</i> s.s.	Tiny Greenhood		
<i>Rytidosperma geniculatum</i>	Kneed Wallaby-grass		
<i>Rytidosperma setaceum</i>	Bristly Wallaby-grass		
<i>Senecio phelleus</i>	Stony Fireweed		
<i>Thelymitra</i> spp.	Sun Orchid		
<i>Thysanotus patersonii</i>	Twining Fringe-lily		
<i>Xanthorrhoea australis</i>	Austral Grass-tree		

Quadrat ID	SS19		
Location	251211; 5801087		
EVC	Valley Grassy Forest		
Date	28/03/2021		
Species	Common name	Status	
<i>Acacia mearnsii</i>	Black Wattle		
<i>Acaena novae-zelandiae</i>	Bidgee-widgee		
<i>Amyema miquelii</i>	Box Mistletoe		
<i>Bromus diandrus</i>	Great Brome	Introduced	
<i>Callistemon sieberi</i>	River Bottlebrush		
<i>Carex appressa</i>	Tall Sedge		
<i>Centaurea erythraea</i>	Common Centaury	Introduced	
<i>Cirsium vulgare</i>	Spear Thistle	Introduced	
<i>Cymbonotus preissianus</i>	Austral Bear's-ear		
<i>Dodonaea viscosa subsp. cuneata</i>	Wedge-leaf Hop-bush		
<i>Einadia hastata</i>	Saloop		
<i>Einadia nutans</i>	Nodding Saltbush		
<i>Eucalyptus leucoxylon subsp. leucoxylon</i>	Yellow Gum		
<i>Eucalyptus macrorhyncha</i>	Red Stringybark		
<i>Eucalyptus melliodora</i>	Yellow Box		
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box		
<i>Eucalyptus yarraensis</i>	Yarra Gum		
<i>Euphorbia lathyris</i>	Caper Spurge	Introduced	
<i>Ficinia nodosa</i>	Knobby Club-sedge		
<i>Galium gaudichaudii</i>	Rough Bedstraw		
<i>Geranium spp.</i>	Crane's Bill		
<i>Holcus lanatus</i>	Yorkshire Fog	Introduced	
<i>Hypochaeris radicata</i>	Flatweed	Introduced	
<i>Juncus pallidus</i>	Pale Rush		
<i>Lepidosperma laterale var. laterale</i>	Variable Sword-sedge		
<i>Leucopogon virgatus var. virgatus</i>	Common Beard-heath		
<i>Lomandra longifolia subsp. longifolia</i>	Spiny-headed Mat-rush		
<i>Lysimachia arvensis</i>	Pimpernel	Introduced	
<i>Microlaena stipoides var. stipoides</i>	Weeping Grass		
<i>Oxalis perennans</i>	Grassland Wood-sorrel		
<i>Pelargonium spp.</i>	Stork's Bill		
<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Introduced	
<i>Phragmites australis</i>	Common Reed		
<i>Poa labillardierei</i>	Common Tussock-grass		
<i>Pomaderris ferruginea</i>	Rusty Pomaderris		
<i>Pteridium esculentum subsp. esculentum</i>	Austral Bracken		

<i>Rumex brownii</i>	Slender Dock	
<i>Rytidosperma geniculatum</i>	Kneed Wallaby-grass	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Solanum aviculare</i>	Kangaroo Apple	
<i>Solenogyne dominii</i>	Smooth Solenogyne	
<i>Sonchus oleraceus</i>	Common Sow-thistle	Introduced
<i>Ulex europaeus</i>	Gorse	Introduced

Quadrat ID	SS20
Location	251289; 5800980
EVC	Mixed list
Date	28/03/2021

Species	Common name	Status
<i>Acacia acinacea s.l.</i>	Gold-dust Wattle	
<i>Acacia gunnii</i>	Ploughshare Wattle	
<i>Acacia mitchellii</i>	Mitchell's Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Aira caryophyllea subsp. caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Arthropodium strictum s.s.</i>	Chocolate Lily	
<i>Brachyloma ciliatum</i>	Fringed Brachyloma	
<i>Burchardia umbellata</i>	Milkmaids	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cassytha glabella</i>	Slender Dodder-laurel	
<i>Correa reflexa var. reflexa</i>	Common Correa	
<i>Corunastylis despectans</i>	Sharp Midge-orchid	
<i>Daviesia leptophylla</i>	Narrow-leaf Bitter-pea	
<i>Dianella revoluta var. revoluta s.l.</i>	Black-anther Flax-lily	
<i>Dillwynia cinerascens s.l.</i>	Grey Parrot-pea	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Einadia hastata</i>	Saloop	
<i>Epacris impressa var. impressa</i>	Common Heath	
<i>Eriochilus cucullatus s.s.</i>	Parson's Bands	
<i>Eucalyptus leucoxylon subsp. leucoxylon</i>	Yellow Gum	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box	
<i>Eucalyptus yarraensis</i>	Yarra Gum	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Grevillea chrysophaea</i>	Golden Grevillea	

<i>Hardenbergia violacea</i>	Purple Coral-pea	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Isopogon ceratophyllus</i>	Horny Cone-bush	
<i>Kunzea ericoides</i> s.l.	Burgan	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Leucopogon virgatus</i> var. <i>virgatus</i>	Common Beard-heath	
<i>Lissanthe strigosa</i> subsp. <i>subulata</i>	Peach Heath	
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	Wattle Mat-rush	
<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Opercularia varia</i>	Variable Stinkweed	
<i>Pimelea humilis</i>	Common Rice-flower	
<i>Platylobium obtusangulum</i>	Common Flat-pea	
<i>Pterostylis parviflora</i> s.s.	Tiny Greenhood	
<i>Pultenaea daphnoides</i>	Large-leaf Bush-pea	
<i>Rytidosperma geniculatum</i>	Knead Wallaby-grass	
<i>Tetralochea ciliata</i>	Pink-bells	
<i>Thelymitra</i> spp.	Sun Orchid	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Quadrat ID	SS21
Location	251418; 5802617
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia acinacea</i> s.l.	Gold-dust Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Aira caryophyllea</i> subsp. <i>caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Aira praecox</i>	Early Hair-grass	Introduced
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Centrolepis strigosa</i> subsp. <i>strigosa</i>	Hairy Centrolepis	
<i>Coronidium scorpioides</i> s.s.	Button Everlasting	
<i>Daviesia leptophylla</i>	Narrow-leaf Bitter-pea	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Einadia hastata</i>	Saloop	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eucalyptus gonicalyx</i> subsp. <i>gonicalyx</i>	Bundy	

<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus polyanthemus subsp. vestita</i>	Red Box	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Grevillea chrysophaea</i>	Golden Grevillea	
<i>Hakea sericea s.l.</i>	Bushy Needlewood	
<i>Hibbertia stricta s.l.</i>	Upright Guinea-flower	
<i>Hovea heterophylla</i>	Common Hovea	
<i>Hypochaeris radicata</i>	Flatweed	Introduced
<i>Juncus pallidus</i>	Pale Rush	
<i>Laxmannia orientalis</i>	Dwarf Wire-lily	
<i>Lepidosperma filiforme</i>	Common Rapier-sedge	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Lomandra filiformis subsp. coriacea</i>	Wattle Mat-rush	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Opercularia varia</i>	Variable Stinkweed	
<i>Ozothamnus obcordatus</i>	Grey Everlasting	
<i>Pimelea humilis</i>	Common Rice-flower	
<i>Platylobium obtusangulum</i>	Common Flat-pea	
<i>Poa sieberiana var. sieberiana</i>	Grey Tussock-grass	
<i>Rytidosperma geniculatum</i>	Kneed Wallaby-grass	
<i>Rytidosperma setaceum</i>	Bristly Wallaby-grass	
<i>Senecio hispidulus s.s.</i>	Rough Fireweed	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Spyridium parvifolium</i>	Dusty Miller	
<i>Stylidium armeria</i>	Common Triggerplant	
<i>Styphelia humifusa</i>	Cranberry Heath	
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Introduced

Quadrat ID	SS22
Location	251352; 5801700
EVC	Heathy Dry Forest
Date	27/03/2021

Species	Common name	Status
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Aira caryophyllea subsp. caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Dianella revoluta var. revoluta s.l.</i>	Black-anther Flax-lily	
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Lomandra filiformis subsp. coriacea</i>	Wattle Mat-rush	

<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass	
<i>Senecio hispidulus</i> s.s.	Rough Fireweed	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Appendix 1.2: Vascular flora species (126 native, 34 introduced) recorded from the study area.

Status: Introduced – non-native to the site; v – vulnerable in Victoria; r – rare in Victoria; f – Listed under FFG Act 1988.

Scientific name	Common name	Status
<i>Acacia acinacea</i> s.s.	Gold-dust Wattle	
<i>Acacia gunnii</i>	Ploughshare Wattle	
<i>Acacia implexa</i>	Lightwood	
<i>Acacia mearnsii</i>	Black Wattle	
<i>Acacia mitchellii</i>	Mitchell's Wattle	
<i>Acacia pycnantha</i>	Golden Wattle	
<i>Acaena agnipila</i>	Hairy Sheep's Burr	
<i>Acaena novae-zelandiae</i>	Bidgee-widgee	
<i>Acetosella vulgaris</i>	Sheep Sorrel	Introduced
<i>Acianthus pusillus</i>	Small Mosquito-orchid	
<i>Acrotriche serrulata</i>	Honey-pots	
<i>Adiantum aethiopicum</i>	Common Maidenhair	
<i>Aira caryophyllea</i> subsp. <i>caryophyllea</i>	Silvery Hair-grass	Introduced
<i>Aira elegantissima</i>	Delicate Hair-grass	Introduced
<i>Aira praecox</i>	Early Hair-grass	Introduced
<i>Aira</i> spp.	Hair Grass	Introduced
<i>Amyema miquelii</i>	Box Mistletoe	
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Introduced
<i>Aptenia</i> spp.	Heart-leaf Ice-plant	Introduced
<i>Arctotheca calendula</i>	Cape Weed	Introduced
<i>Arthropodium strictum</i> s.s.	Chocolate Lily	
<i>Asparagus officinalis</i>	Asparagus	Introduced
<i>Austrostipa mollis</i>	Supple Spear-grass	
<i>Austrostipa</i> spp.	Spear Grass	
<i>Brachyloma ciliatum</i>	Fringed Brachyloma	
<i>Briza maxima</i>	Large Quaking-grass	Introduced
<i>Bromus diandrus</i>	Great Brome	Introduced
<i>Burchardia umbellata</i>	Milkmaids	
<i>Caleana major</i>	Large Duck-orchid	
<i>Caleana minor</i>	Small Duck-orchid	
<i>Callistemon sieberi</i>	River Bottlebrush	
<i>Calocephalus lacteus</i>	Milky Beauty-heads	
<i>Calytrix tetragona</i>	Common Fringe-myrtle	
<i>Carex appressa</i>	Tall Sedge	
<i>Carpobrotus modestus</i>	Inland Pigface	
<i>Cassytha glabella</i>	Slender Dodder-laurel	

Scientific name	Common name	Status
<i>Cassytha melantha</i>	Coarse Dodder-laurel	
<i>Centaureum erythraea</i>	Common Centaury	Introduced
<i>Centrolepis strigosa</i> subsp. <i>strigosa</i>	Hairy Centrolepis	
<i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>	Blue Stars	
<i>Cheilanthes austrotenuifolia</i>	Green Rock-fern	
<i>Cirsium vulgare</i>	Spear Thistle	Introduced
<i>Clematis microphylla</i> s.s.	Small-leaved Clematis	
<i>Coronidium scorpioides</i> s.s.	Button Everlasting	
<i>Correa reflexa</i> var. <i>reflexa</i>	Common Correa	
<i>Corunastylis despectans</i>	Sharp Midge-orchid	
<i>Crassula sieberiana</i> s.l.	Sieber Crassula	
<i>Cymbonotus preissianus</i>	Austral Bear's-ear	
<i>Daviesia leptophylla</i>	Narrow-leaf Bitter-pea	
<i>Dianella admixta</i>	Black-anther Flax-lily	
<i>Dianella revoluta</i> var. <i>revoluta</i> s.l.	Black-anther Flax-lily	
<i>Dichondra repens</i>	Kidney-weed	
<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea	
<i>Dillwynia sericea</i>	Showy Parrot-pea	
<i>Dodonaea viscosa</i> subsp. <i>cuneata</i>	Wedge-leaf Hop-bush	
<i>Drosera auriculata</i>	Tall Sundew	
<i>Ehrharta erecta</i>	Panic Veldt-grass	Introduced
<i>Ehrharta longiflora</i>	Annual Veldt-grass	Introduced
<i>Einadia hastata</i>	Saloop	
<i>Einadia nutans</i>	Nodding Saltbush	
<i>Epacris impressa</i> var. <i>impressa</i>	Common Heath	
<i>Eriochilus cucullatus</i> s.s.	Parson's Bands	
<i>Eucalyptus baxteri</i> s.s.	Brown Stringybark	
<i>Eucalyptus goniocalyx</i> subsp. <i>goniocalyx</i>	Bundy	
<i>Eucalyptus leucoxydon</i> subsp. <i>connata</i>	Melbourne Yellow Gum	v
<i>Eucalyptus macrorhyncha</i>	Red Stringybark	
<i>Eucalyptus melliodora</i>	Yellow Box	
<i>Eucalyptus obliqua</i>	Messmate Stringybark	
<i>Eucalyptus polyanthemus</i> subsp. <i>vestita</i>	Red Box	
<i>Eucalyptus tricarpa</i>	Red Ironbark	
<i>Eucalyptus viminalis</i>	Manna Gum	
<i>Eucalyptus yarraensis</i>	Yarra Gum	r
<i>Euchiton</i> spp.	Cudweed	
<i>Euphorbia lathyris</i>	Caper Spurge	Introduced
<i>Ficinia nodosa</i>	Knobby Club-sedge	
<i>Fumaria</i> spp.	Fumitory	Introduced

Scientific name	Common name	Status
<i>Galenia pubescens</i> var. <i>pubescens</i>	Galenia	Introduced
<i>Galium aparine</i>	Cleavers	Introduced
<i>Galium gaudichaudii</i>	Rough Bedstraw	
<i>Geranium</i> spp.	Crane's Bill	
<i>Gompholobium huegelii</i>	Common Wedge-pea	
<i>Gonocarpus tetragynus</i>	Common Raspwort	
<i>Goodenia geniculata</i>	Bent Goodenia	
<i>Grevillea chrysophaea</i>	Golden Grevillea	r
<i>Hakea sericea</i> s.l.	Bushy Needlewood	
<i>Hardenbergia violacea</i>	Purple Coral-pea	
<i>Hibbertia riparia</i>	Erect Guinea-flower	
<i>Hibbertia stricta</i> s.l.	Upright Guinea-flower	
<i>Holcus lanatus</i>	Yorkshire Fog	Introduced
<i>Hovea heterophylla</i>	Common Hovea	
<i>Hydrocotyle laxiflora</i>	Stinking Pennywort	
<i>Hypochaeris radicata</i>	Flatweed	Introduced
<i>Isopogon ceratophyllus</i>	Horny Cone-bush	
<i>Juncus pallidus</i>	Pale Rush	
<i>Kunzea ericoides</i> s.l.	Burgan	
<i>Laphangium luteoalbum</i>	Jersey Cudweed	
<i>Laxmannia orientalis</i>	Dwarf Wire-lily	
<i>Leontodon saxatilis</i> subsp. <i>saxatilis</i>	Hairy Hawkbit	Introduced
<i>Lepidium africanum</i>	Common Peppercross	Introduced
<i>Lepidosperma filiforme</i>	Common Rapier-sedge	
<i>Lepidosperma laterale</i> var. <i>laterale</i>	Variable Sword-sedge	
<i>Leptospermum continentale</i>	Prickly Tea-tree	
<i>Leptospermum myrsinoides</i>	Heath Tea-tree	
<i>Leucopogon virgatus</i> var. <i>virgatus</i>	Common Beard-heath	
<i>Lissanthe strigosa</i> subsp. <i>subulata</i>	Peach Heath	
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush	
<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	Wattle Mat-rush	
<i>Lomandra longifolia</i> subsp. <i>longifolia</i>	Spiny-headed Mat-rush	
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>	Many-flowered Mat-rush	
<i>Lysimachia arvensis</i>	Pimpernel	Introduced
<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass	
<i>Monotoca scoparia</i>	Prickly Broom-heath	
<i>Opercularia varia</i>	Variable Stinkweed	
<i>Oxalis perennans</i>	Grassland Wood-sorrel	
<i>Ozothamnus obcordatus</i>	Grey Everlasting	
<i>Pelargonium</i> spp.	Stork's Bill	

Scientific name	Common name	Status
<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Introduced
<i>Phragmites australis</i>	Common Reed	
<i>Pimelea humilis</i>	Common Rice-flower	
<i>Plantago coronopus</i>	Buck's-horn Plantain	Introduced
<i>Platylobium obtusangulum</i>	Common Flat-pea	
<i>Poa bulbosa</i>	Bulbous Meadow-grass	Introduced
<i>Poa labillardierei</i>	Common Tussock-grass	
<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass	
<i>Pomaderris ferruginea</i>	Rusty Pomaderris	
<i>Prostanthera nivea</i> var. <i>nivea</i>	Snowy Mint-bush	r
<i>Pteridium esculentum</i> subsp. <i>esculentum</i>	Austral Bracken	
<i>Pterostylis parviflora</i> s.s.	Tiny Greenhood	
<i>Pterostylis</i> sp. aff. <i>revoluta</i> (Inland)	Large Autumn Greenhood	
<i>Pultenaea daphnoides</i>	Large-leaf Bush-pea	
<i>Pultenaea graveolens</i>	Scented Bush-pea	fv
<i>Pultenaea humilis</i>	Dwarf Bush-pea	
<i>Rhagodia parabolica</i>	Fragrant Saltbush	r
<i>Rumex brownii</i>	Slender Dock	
<i>Rumex crispus</i>	Curled Dock	Introduced
<i>Rytidosperma geniculatum</i>	Knead Wallaby-grass	
<i>Rytidosperma setaceum</i>	Bristly Wallaby-grass	
<i>Rytidosperma</i> spp.	Wallaby Grass	
<i>Schinus molle</i>	Pepper Tree	Introduced
<i>Senecio glomeratus</i>	Annual Fireweed	
<i>Senecio hispidulus</i> s.s.	Rough Fireweed	
<i>Senecio phelleus</i>	Stony Fireweed	
<i>Senecio quadridentatus</i>	Cotton Fireweed	
<i>Senecio quadridentatus/tenuiflorus</i> spp. agg.	Cotton/Slender Fireweed spp agg	
<i>Solanum aviculare</i>	Kangaroo Apple	
<i>Solanum nigrum</i> s.s.	Black Nightshade	Introduced
<i>Solenogyne dominii</i>	Smooth Solenogyne	
<i>Sonchus oleraceus</i>	Common Sow-thistle	Introduced
<i>Spyridium parvifolium</i>	Dusty Miller	
<i>Stylidium armeria</i>	Common Triggerplant	
<i>Styphelia humifusa</i>	Cranberry Heath	
<i>Tetratheca ciliata</i>	Pink-bells	
<i>Thelymitra</i> spp.	Sun Orchid	
<i>Thysanotus patersonii</i>	Twining Fringe-lily	
<i>Ulex europaeus</i>	Gorse	Introduced
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Introduced

Scientific name	Common name	Status
<i>Vulpia myuros f. myuros</i>	Rat's-tail Fescue	Introduced
<i>Wahlenbergia gracilis</i>	Sprawling Bluebell	
<i>Wahlenbergia spp.</i>	Bluebell	
<i>Xanthorrhoea australis</i>	Austral Grass-tree	

Appendix 1.3: Significant flora species records from the current study

Significant flora species locations are shown in Maps 4 & 4a.

North	East	Vegetation community	Significant Species	Notes
251804	5801141	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251798	5801120	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251733	5801061	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251689	5801047	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251722	5800999	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251929	5800971	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251354	5800806	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i> subsp <i>connata</i>	
251211	5801087	Valley Grassy Forest	<i>Eucalyptus yarraensis</i> ; <i>Rhagodia parabolica</i>	
251804	5801267	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251770	5801398	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251733	5801060	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251665	5801042	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251685	5801024	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251700	5801025	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251720	5801033	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251227	5801086	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251193	5801065	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251367	5800919	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251406	5800922	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	
251418	5802617	Heathy Dry Forest	<i>Grevillea chrysophaea</i>	
251531	5800723	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	Single plant
251530	5800707	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	2 plants
251600	5800659	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	2 plants
251747	5800668	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	2 plants
251773	5800595	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	2 plants
251805	5800501	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	20 plants
251894	5800459	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	1 plant

North	East	Vegetation community	Significant Species	Notes
252032	5800465	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	12 plants
252044	5800457	Grassy Dry Forest	<i>Grevillea chrysophaea</i>	3 plants
252052	5800491	Heathy Dry Forest	<i>Grevillea chrysophaea</i>	
251881	5800613	Heathy Dry Forest	<i>Grevillea chrysophaea</i>	
251945	5800547	Heathy Dry Forest	<i>Prostanthera nivea</i> ; <i>Grevillea chrysophaea</i>	
251289	5800980	Valley Grassy Forest	<i>Rhagodia parabolica</i> ; <i>Grevillea chrysophaea</i> ; <i>Eucalyptus leucoxylon subsp connata</i>	
251761	5801463	Valley Grassy Forest	<i>Rhagodia parabolica</i>	
251244	5801081	Valley Grassy Forest	<i>Rhagodia parabolica</i>	
251321	5800914	Valley Grassy Forest	<i>Rhagodia parabolica</i>	25m ² patch
251362	5800805	Grassy Dry Forest	<i>Rhagodia parabolica</i>	

Appendix 2: Ecological Vegetation Class Photos

Photo 1: Valley Grassy Forest EVC

Large Yarra Gum trees, over a weedy understorey, were a feature of the Valley Grassy Forest EVC within the study area.



Phot 2: Grassy Dry Forest EVC

The EVC is typified within the study area by Yellow Gums and Golden Wattle over a sparse understorey of grasses and small herbs.



Photo 3: Heathy Dry Forest EVC

The EVC occurs on gravelly ridges where Red Stringybark trees grow over a sparse but diverse heathy understorey.



Appendix 3: Fauna Habitat data

Table 3.1: Large Old Trees

Large Old Tree locations are shown in Maps 5 & 5a.

Tree No	Vegetation community	Species	dbh (cm)	height (m)	Hollows
1	Valley Grassy Forest	<i>Eucalyptus viminalis</i>	120	14	
2	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	120	10	Yes
3	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	88	15	
4	Valley Grassy Forest	<i>Eucalyptus viminalis</i>	73	10	
5	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i>	73	14	
6	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i>	59	12	
7	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i>	85	12	
8	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	70	13	
9	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i>	78	14	
10	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	58	12	
11	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	69	8	
12	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	74	10	
13	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	56	10	
14	Valley Grassy Forest	<i>Eucalyptus leucoxylon</i>	103	17	
15	Heathy Dry Forest	<i>Eucalyptus goniocalyx</i>	73	20	
16	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	85	15	
17	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	111	27	
18	Valley Grassy Forest	Dead	77	7	Yes
19	Valley Grassy Forest	Dead	50	6	Yes
20	Valley Grassy Forest	Dead	57	5	Yes
21	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	120	12	Yes
22	Valley Grassy Forest	Dead	114	8	Yes
23	Valley Grassy Forest	Dead	73	6	Yes
24	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	73	10	
25	Valley Grassy Forest	Dead		11	Yes
26	Valley Grassy Forest	Dead		11	Yes
27	Valley Grassy Forest	Dead			Yes
28	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	71	15	
29	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	76	20	
30	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	123	25	
31	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	79	20	
32	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	95	20	
33	Valley Grassy Forest	Dead	82	5	Yes
34	Valley Grassy Forest	<i>Eucalyptus yarraensis</i>	64	10	
35	Valley Grassy Forest	<i>Eucalyptus melliodora</i>	122	25	

Appendix 3.2: Fauna species previously recorded within 5km of the current study area.

Status: Int – non-native to the site; v – vulnerable in Victoria; V – vulnerable in Australia; r – rare in Victoria; nt – near threatened in Victoria; f – Listed under FFG Act 1988.

Common Name	Group	Status
Common Froglet	Frog	
Growling Grass Frog	Frog	f e V
Pobblebonk Frog	Frog	
Southern Brown Tree Frog	Frog	
Australian Hobby	Bird	
Australian Magpie	Bird	
Australian Pipit	Bird	
Australian Raven	Bird	
Australian White Ibis	Bird	
Australian Wood Duck	Bird	
Barking Owl	Bird	f e
Black-chinned Honeyeater	Bird	
Black-faced Cuckoo-shrike	Bird	
Black-fronted Dotterel	Bird	
Black-shouldered Kite	Bird	
Blue-winged Parrot	Bird	
Brown Falcon	Bird	
Brown Goshawk	Bird	
Brown Quail	Bird	
Brown Thornbill	Bird	
Brown Treecreeper	Bird	nt
Brown-headed Honeyeater	Bird	
Buff-rumped Thornbill	Bird	
Chestnut-rumped Heathwren	Bird	f v
Collared Sparrowhawk	Bird	
Common Blackbird	Bird	Int
Common Bronzewing	Bird	
Common Cicadabird	Bird	
Common Starling	Bird	Int
Crimson Rosella	Bird	
Diamond Firetail	Bird	f nt
Dusky Woodswallow	Bird	
Eastern Rosella	Bird	
Eastern Shrike-tit	Bird	
Eastern Spinebill	Bird	
Eastern Yellow Robin	Bird	
Eurasian Skylark	Bird	Int
European Goldfinch	Bird	Int
Fairy Martin	Bird	

Common Name	Group	Status
Fan-tailed Cuckoo	Bird	
Flame Robin	Bird	
Fuscous Honeyeater	Bird	
Galah	Bird	
Golden Whistler	Bird	
Grey Butcherbird	Bird	
Grey Currawong	Bird	
Grey Fantail	Bird	
Grey Goshawk	Bird	f v
Grey Shrike-thrush	Bird	
Hooded Robin	Bird	f nt
Horsfield's Bronze-Cuckoo	Bird	
Horsfield's Bushlark	Bird	
House Sparrow	Bird	Int
Jacky Winter	Bird	
Laughing Kookaburra	Bird	
Leaden Flycatcher	Bird	
Little Raven	Bird	
Long-billed Corella	Bird	
Magpie-lark	Bird	
Mistletoebird	Bird	
Musk Lorikeet	Bird	
New Holland Honeyeater	Bird	
Noisy Miner	Bird	
Olive-backed Oriole	Bird	
Painted Button-quail	Bird	
Painted Honeyeater	Bird	f v V
Pallid Cuckoo	Bird	
Pink Robin	Bird	
Powerful Owl	Bird	f v
Rainbow Bee-eater	Bird	
Red Wattlebird	Bird	
Red-browed Finch	Bird	
Red-capped Robin	Bird	
Red-rumped Parrot	Bird	
Restless Flycatcher	Bird	
Rose Robin	Bird	
Rufous Songlark	Bird	
Rufous Whistler	Bird	
Sacred Kingfisher	Bird	
Satin Flycatcher	Bird	
Scarlet Robin	Bird	

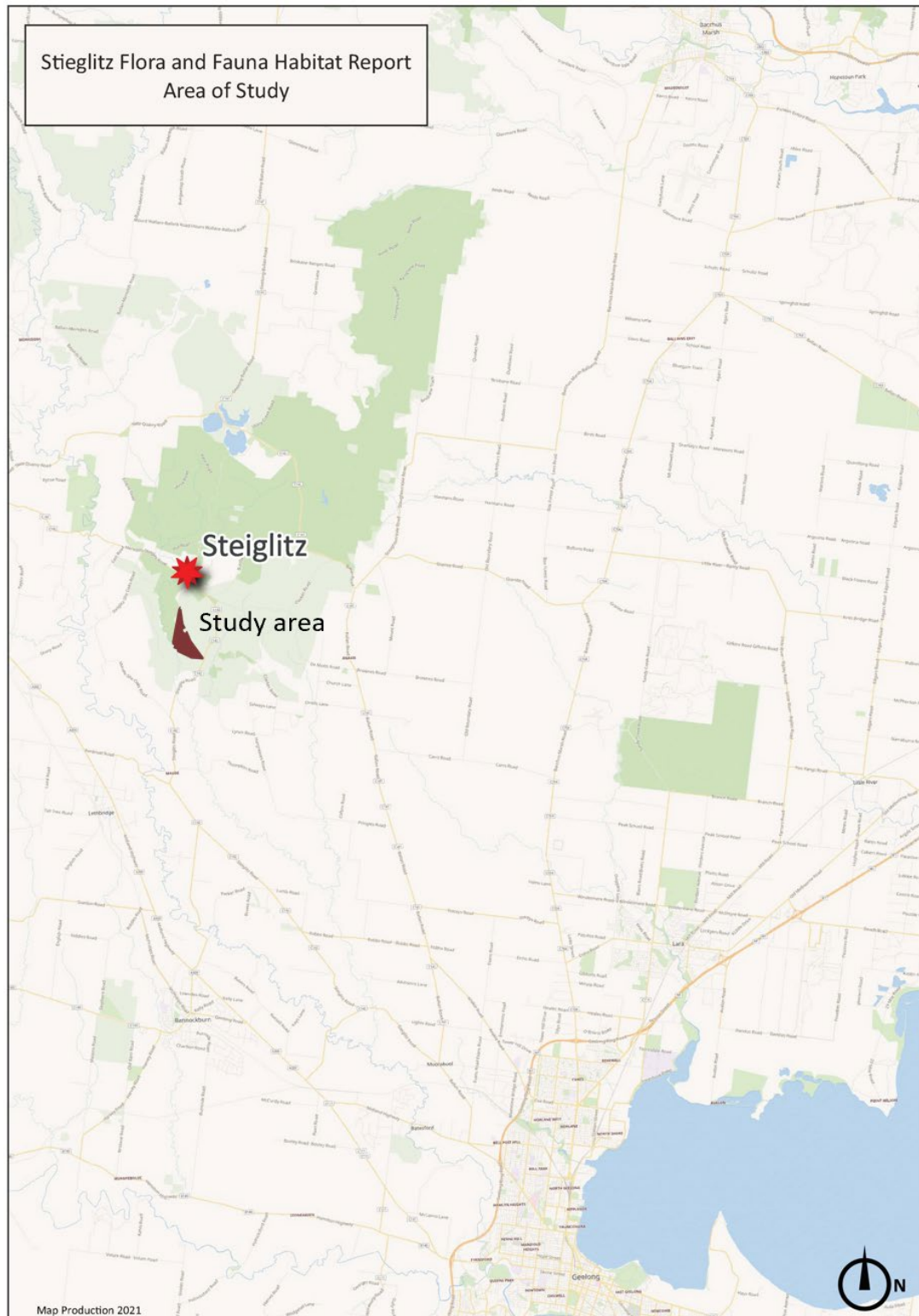
Common Name	Group	Status
Shining Bronze-Cuckoo	Bird	
Silvereye	Bird	
Southern Boobook	Bird	
Speckled Warbler	Bird	f v
Spotted Pardalote	Bird	
Spotted Quail-thrush	Bird	nt
Straw-necked Ibis	Bird	
Striated Pardalote	Bird	
Striated Thornbill	Bird	
Sulphur-crested Cockatoo	Bird	
Superb Fairy-wren	Bird	
Tree Martin	Bird	
Varied Sittella	Bird	
Wedge-tailed Eagle	Bird	
Weebill	Bird	
Welcome Swallow	Bird	
Whistling Kite	Bird	
White-browed Scrubwren	Bird	
White-browed Woodswallow	Bird	
White-eared Honeyeater	Bird	
White-faced Heron	Bird	
White-fronted Chat	Bird	
White-naped Honeyeater	Bird	
White-necked Heron	Bird	
White-plumed Honeyeater	Bird	
White-throated Gerygone	Bird	
White-throated Needle-tail	Bird	f v V
White-throated Nightjar	Bird	
White-throated Treecreeper	Bird	
White-winged Chough	Bird	
White-winged Triller	Bird	
Willie Wagtail	Bird	
Yellow Thornbill	Bird	
Yellow-faced Honeyeater	Bird	
Yellow-rumped Thornbill	Bird	
Yellow-tufted Honeyeater	Bird	
Amphipod	Crustacean	
Amphipods	Crustacean	
Freshwater Crayfish	Crustacean	
Freshwater Shrimps	Crustacean	
Southern Pygmy Perch	Fish	
Yarra Pygmy Perch	Fish	f v V

Common Name	Group	Status
Freshwater, Air-breathing limpet	Gastropod	
Back Swimmers	Invertebrate	
Biting Midges	Invertebrate	
Caddisflies	Invertebrate	
Caddisflies	Invertebrate	
Common Brown Butterfly	Invertebrate	
Crawling Water Beetles	Invertebrate	
diving beetle	Invertebrate	
diving beetle	Invertebrate	
Emerald Dragonflies	Invertebrate	
Hawkers	Invertebrate	
Marsh Beetles	Invertebrate	
Mayflies	Invertebrate	
Mayflies	Invertebrate	
Minute Rove Beetles	Invertebrate	
Mosquitoes	Invertebrate	
Non-biting Midge	Invertebrate	
Non-biting midge	Invertebrate	
Non-biting Midge	Invertebrate	
Pond damselflies	Invertebrate	
Predacious Diving Beetles	Invertebrate	
Pygmy Back Swimmers	Invertebrate	
Scavenger Water Beetles	Invertebrate	
Screech Beetle	Invertebrate	
Segmented worms	Invertebrate	
Small minnow mayflies	Invertebrate	
Small Water Striders	Invertebrate	
Soldier Flies	Invertebrate	
Spreadwings	Invertebrate	
True weevils	Invertebrate	
Water Boatmen	Invertebrate	
Water Measurers	Invertebrate	
Water scavenger Beetles	Invertebrate	
Water scorpions	Invertebrate	
Water Striders	Invertebrate	
Whirligig Beetles	Invertebrate	
Agile Antechinus	Mammal	
Black Rat	Mammal	Int
Black-tailed Wallaby	Mammal	
Bush Rat	Mammal	
Common Bent-wing Bat	Mammal	f
Common Brush-tailed Possum	Mammal	

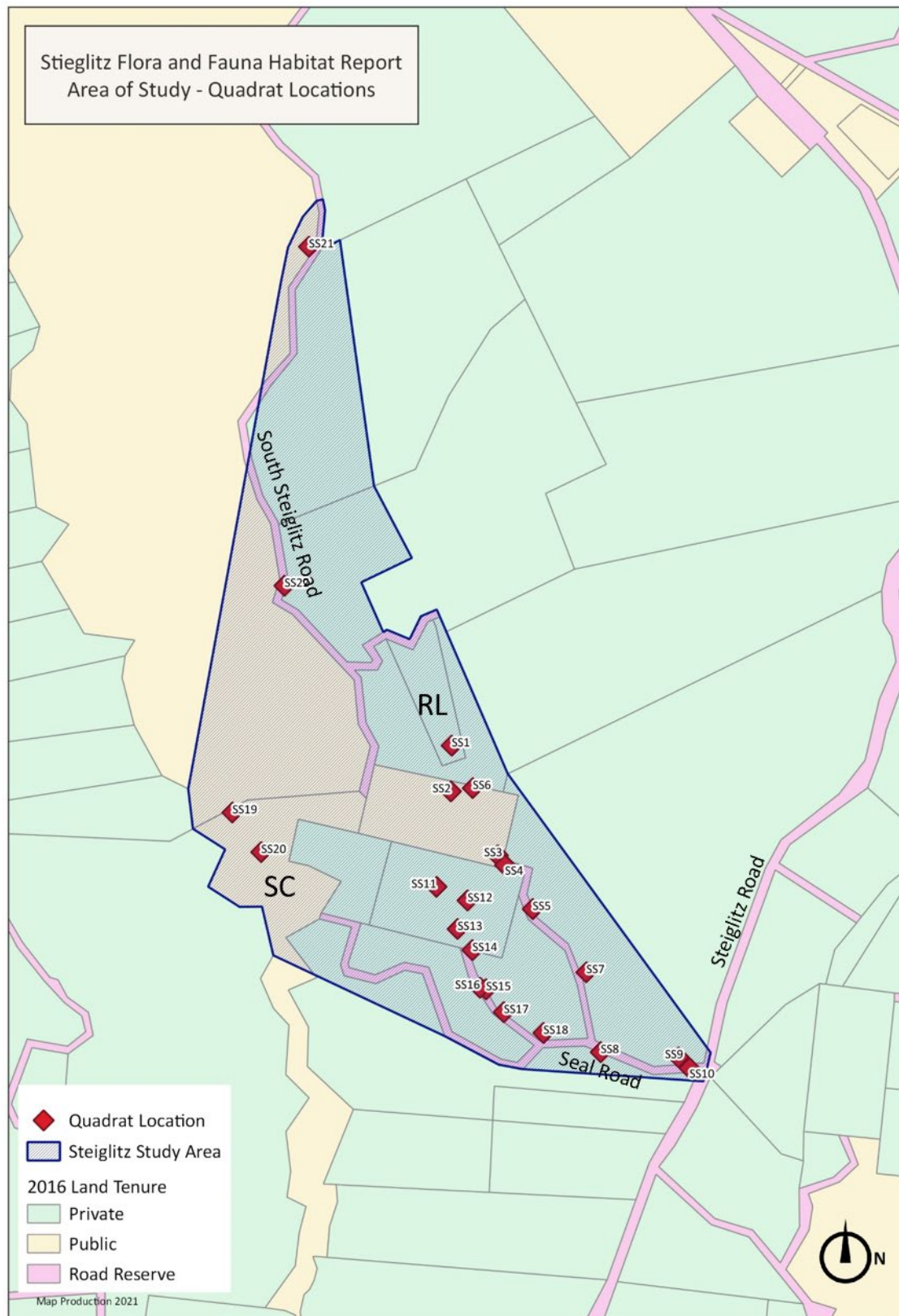
Common Name	Group	Status
Common Dunnart	Mammal	v
Domestic Cat (feral)	Mammal	Int
Eastern Grey Kangaroo	Mammal	
Eastern Ring-tailed Possum	Mammal	
European Rabbit	Mammal	Int
Gould's Long-eared Bat	Mammal	
Gould's Wattled Bat	Mammal	
House Mouse	Mammal	Int
Kangaroo	Mammal	
Koala	Mammal	
Lesser Long-eared Bat	Mammal	
Little Forest Bat	Mammal	
Sugar Glider	Mammal	
Mud snails	Mollusc	
Bougainville's Skink	Reptile	
Garden Skink	Reptile	
Tree Dragon	Reptile	

Maps

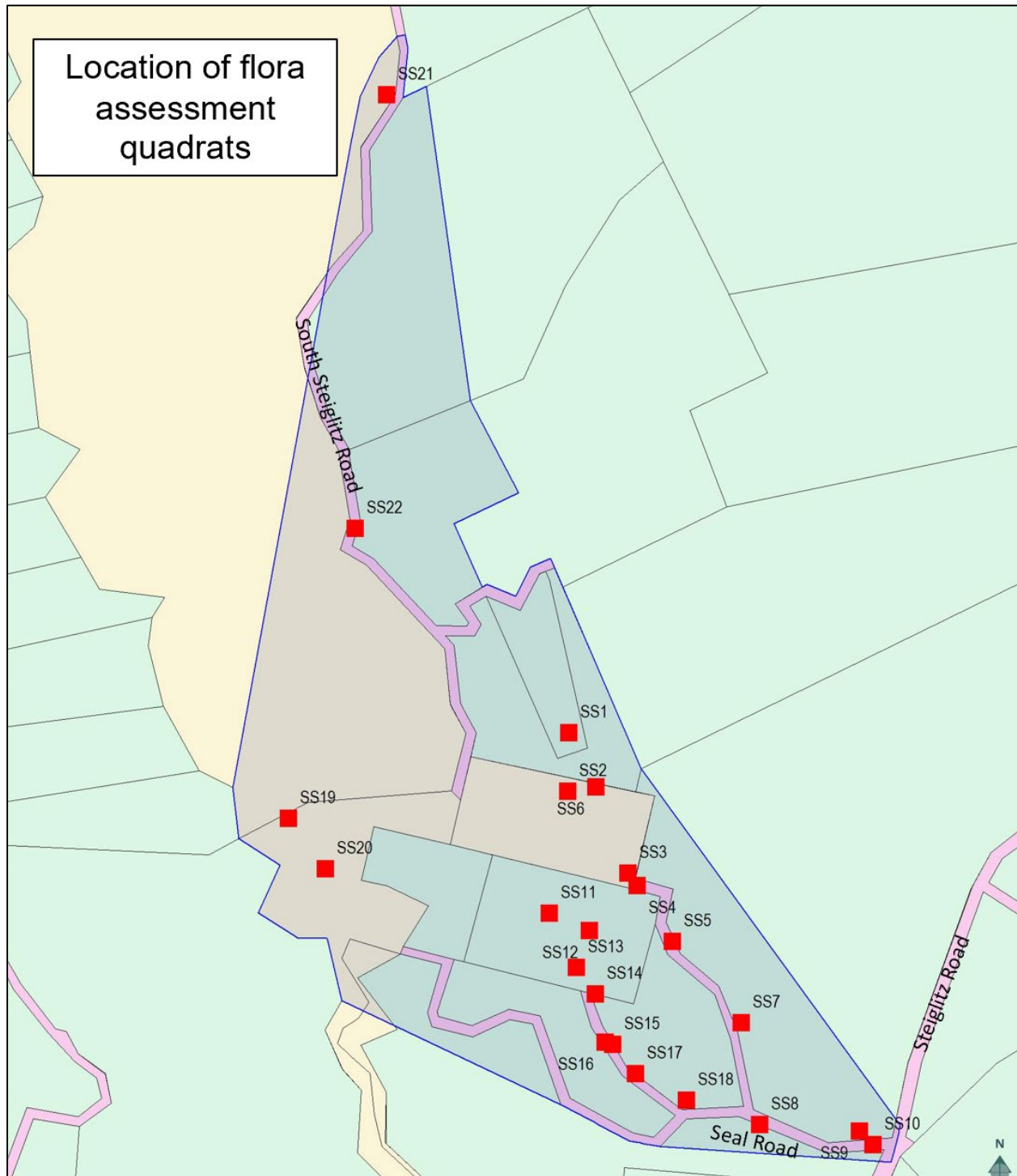
Map 1: Location of the study area



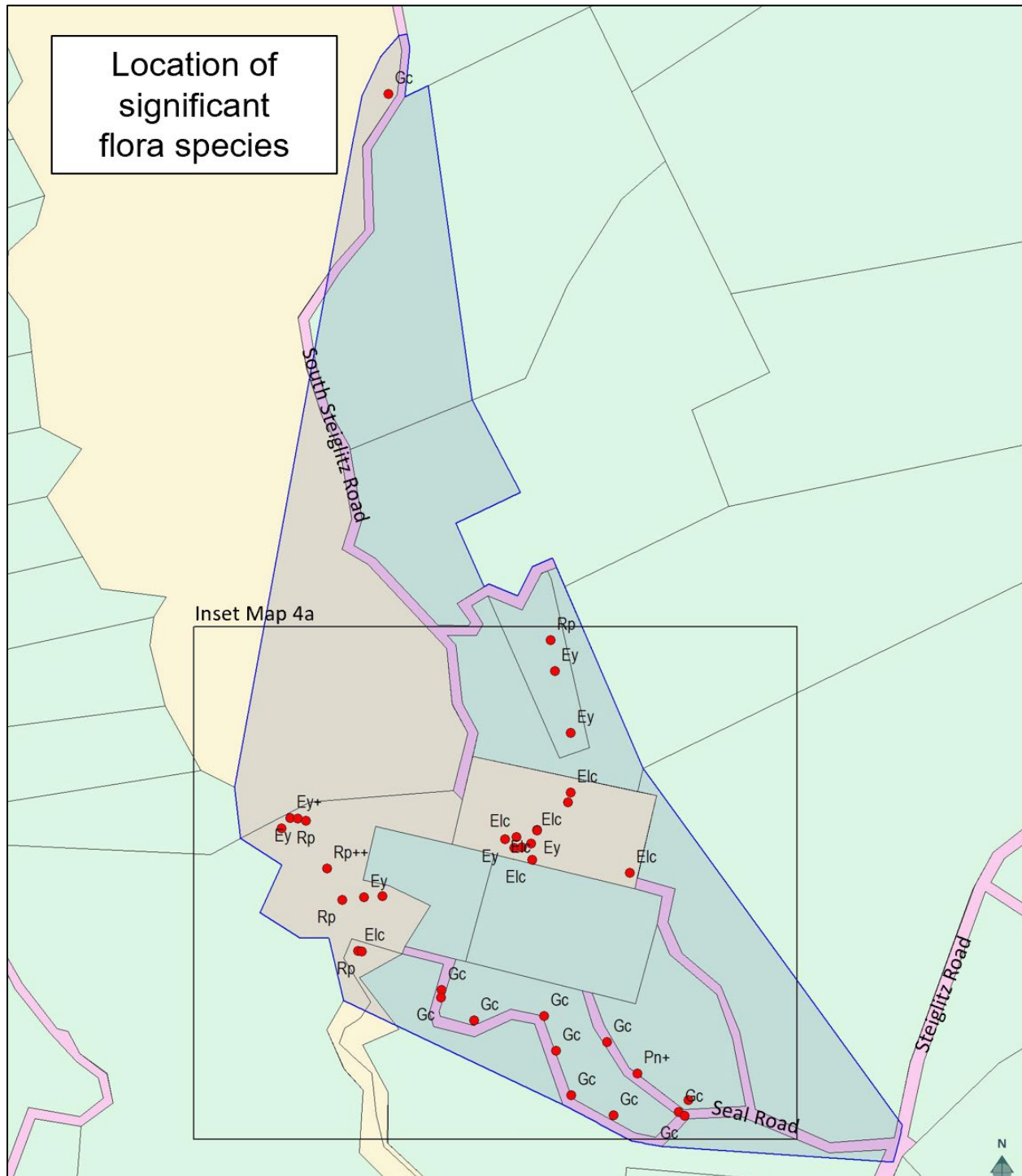
Map 2: Study area detail and land tenure

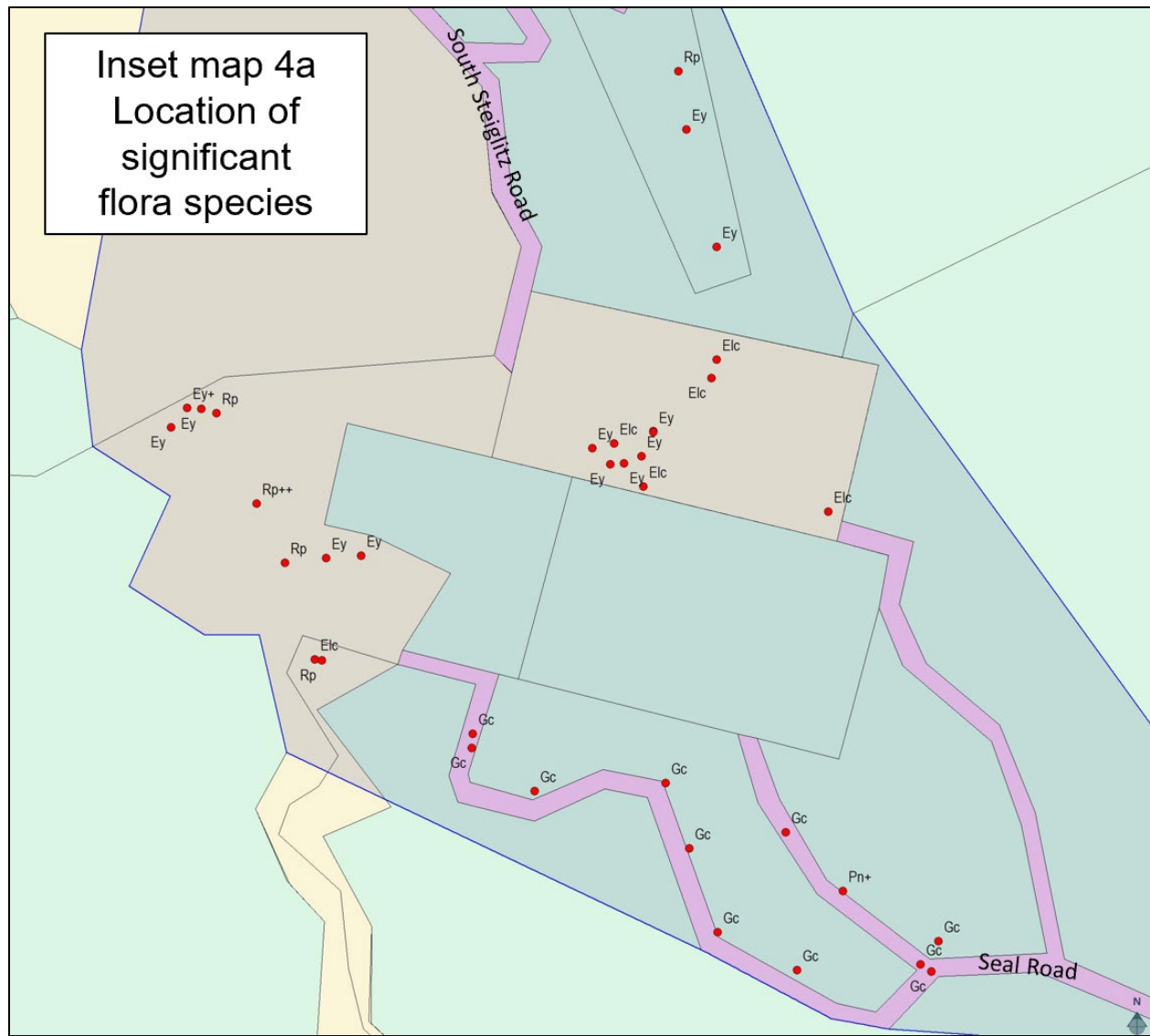


Map 3: Location of flora assessment quadrats



Map 4: Location of significant flora species





Map 5: Location of Large Old Trees

