

APPENDICES

Appendix 1 – Significance Assessment

Criteria used by Ecology and Heritage Pty Ltd to define conservation significance, vegetation condition and habitat quality is provided below.

A1.1. Rare or Threatened Categories for Listed Victorian Taxa

Table A1.1. Rare or Threatened categories for listed Victorian taxa.

Rare or Threatened Categories
<p>CONSERVATION STATUS IN AUSTRALIA (Based on the EPBC Act 1999, Briggs and Leigh 1996)</p>
<p>EX - Extinct: Extinct is when there is no reasonable doubt that the last individual of the species has died.</p>
<p>CR - Critically Endangered: A species is critically endangered when it is facing an extremely high risk of extinction in the wild in the immediate future.</p>
<p>EN - Endangered: A species is endangered when it is not critically endangered but is facing a very high risk of extinction in the wild in the near future.</p>
<p>VU - Vulnerable: A species is vulnerable when it is not critically endangered or endangered but is facing a high risk of extinction in the wild in the medium-term future.</p>
<p>R* - Rare: A species is rare but overall is not currently considered critically endangered, endangered or vulnerable.</p>
<p>K* - Poorly Known: A species is suspected, but not definitely known, to belong to any of the categories extinct, critically endangered, endangered, vulnerable or rare.</p>
<p>CONSERVATION STATUS IN VICTORIA (Based on DSE 2005, DSE 2007b, DSE 2009)</p>
<p>x - Presumed Extinct in Victoria: not recorded from Victoria during the past 50 years despite field searches specifically for the plant, or, alternatively, intensive field searches (since 1950) at all previously known sites have failed to record the plant.</p>
<p>e - Endangered in Victoria: at risk of disappearing from the wild state if present land use and other causal factors continue to operate.</p>
<p>v - Vulnerable in Victoria: not presently endangered but likely to become so soon due to continued depletion; occurring mainly on sites likely to experience changes in land-use which would threaten the survival of the plant in the wild; or, taxa whose total population is so small that the likelihood of recovery from disturbance, including localised natural events such as drought, fire or landslip, is doubtful.</p>
<p>r - Rare in Victoria: rare but not considered otherwise threatened - there are relatively few known populations or the taxon is restricted to a relatively small area.</p>
<p>k - Poorly Known in Victoria: poorly known and suspected, but not definitely known, to belong to one of the above categories (x, e, v or r) within Victoria. At present, accurate distribution information is inadequate.</p>

A1.2. Defining Ecological Significance

Table A1.2. Defining Ecological Significance.

Criteria for defining Ecological Significance	
NATIONAL SIGNIFICANCE	
Flora	National conservation status is based on the EPBC Act list of taxa considered threatened in Australia (i.e. extinct, critically endangered, endangered, vulnerable).
	Flora listed as rare in Australia in <i>Rare or Threatened Australian Plants</i> (Briggs and Leigh 1996).
Fauna	National conservation status is based on the EPBC Act list of taxa considered threatened in Australia (i.e. Extinct, Critically Endangered, Endangered, Vulnerable).
	Fauna listed as Extinct, Critically Endangered, Endangered, Vulnerable, or Rare under National Action Plans for terrestrial taxon prepared for the SEWPaC: threatened marsupials and monotremes (Maxwell <i>et al.</i> 1996), bats (Duncan <i>et al.</i> 1999), birds (Garnett and Crowley 2000), reptiles (Cogger <i>et al.</i> 1993), amphibians (Tyler 1997) and butterflies (Sands and New 2002).
	Species that have not been included on the EPBC Act but listed as significance according to the <i>IUCN 2009 Red List of Threatened Species</i> (IUCN 2009).
Communities	Vegetation communities considered critically endangered, endangered or vulnerable under the EPBC Act and considering vegetation condition.
STATE SIGNIFICANCE	
Flora	Threatened taxa listed under the provisions of the FFG Act.
	Flora listed as extinct, endangered, vulnerable or rare in Victoria in the DSE Flora Information System (most recent Version).
	Flora listed in the State Government's <i>Advisory List of Rare or Threatened Plants in Victoria</i> , 2005 (DSE 2005).
	Flora listed as poorly known in Australia in <i>Rare or Threatened Australian Plants</i> (Briggs and Leigh 1996).
Fauna	Threatened taxon listed under Schedule 2 of the FFG Act.
	Fauna listed as Extinct, Critically Endangered, Endangered and Vulnerable on the State Government's <i>Advisory List of Threatened Vertebrate Fauna in Victoria - 2007</i> (DSE 2007b).
	Listed as Lower Risk (Near Threatened, Conservation Dependent or Least concern) or Data Deficient under National Action Plans for terrestrial species prepared for the SEWPaC: threatened marsupials and monotremes (Maxwell <i>et al.</i> 1996), bats (Duncan <i>et al.</i> 1999), birds (Garnett and Crowley 2000), reptiles (Cogger <i>et al.</i> 1993), amphibians (Tyler 1997) and butterflies (Sands and New 2002).
Communities	Ecological communities listed as threatened under the FFG Act.

Criteria for defining Ecological Significance	
	EVC listed as threatened (i.e. endangered, vulnerable) or rare in a Native Vegetation Plan for a particular bioregion (DSE 2012) and considering vegetation condition.
REGIONAL SIGNIFICANCE	
Flora	Flora considered rare in any regional native vegetation plan for a particular bioregion.
	Flora considered rare by the author for a particular bioregion.
Fauna	Fauna with a disjunct distribution, or a small number of documented recorded or naturally rare in the particular Bioregion in which the study area is located.
	A particular taxon that is has an unusual ecological or biogeographical occurrence or listed as Lower Risk – Near Threatened, Data Deficient or Insufficiently Known on the State Government's <i>Advisory List of Threatened Vertebrate Fauna in Victoria - 2007</i> (DSE 2007b).
Communities	EVC listed as depleted or least concern in a Native Vegetation Plan for a particular bioregion (DSE 2012) and considering vegetation condition.
	EVC considered rare by the author for a particular bioregion.
LOCAL SIGNIFICANCE	
Local significance is defined as flora, fauna and ecological communities indigenous to a particular area, which are not considered rare or threatened on a national, state or regional level.	

A1.3 Defining Site Significance

The following geographical areas apply to the overall level of significance with respect to the current survey.

National: Australia

State: Victoria

Regional: Goldfields

Local: Within 10 kilometres surrounding the study area

Table A1.3. Defining Site Significance.

Criteria for defining Site Significance
NATIONAL SIGNIFICANCE
<p>A site is of National significance if:</p> <ul style="list-style-type: none"> - It regularly supports, or has a high probability of regularly supporting individuals of a taxon listed as 'Critically Endangered' or 'Endangered' under the EPBC Act and/or under National Action Plans for terrestrial taxon prepared for the SEWPaC. - It regularly supports, or has a high probability of supporting, an 'important population' as defined under the EPBC Act of one or more nationally 'vulnerable' flora and fauna taxon. - It is known to support, or has a high probability of supporting taxon listed as 'Vulnerable' under National Action Plans. - It is known to regularly support a large proportion (i.e. greater than 1%) of a population of a taxon listed as 'Conservation Dependent' under the EPBC Act and/or listed as Rare or Lower Risk (near threatened, conservation dependent or least concern) under National Action Plans. - It contains an area, or part thereof designated as 'critical habitat' under the EPBC Act, or if the site is listed under the Register of National Estate compiled by the Australian Heritage Commission. - It is a site which forms part of, or is connected to a larger area(s) of remnant native vegetation or habitat of national conservation significance such as most National Park, and/or a Ramsar Wetland(s).
STATE SIGNIFICANCE
<p>A site is of State significance if:</p> <ul style="list-style-type: none"> - It occasionally (i.e. every 1 to 5 years) supports, or has suitable habitat to support taxon listed as 'Critically Endangered' or 'Endangered' under the EPBC Act and/or under National Action Plans. - It regularly supports, or has a high probability of regularly supporting (i.e. high habitat quality) taxon listed as 'Vulnerable', 'Near threatened', 'Data Deficient' or 'Insufficiently Known' in Victoria (DSE 2005, 2007b), or species listed as 'Data Deficient' or 'Insufficiently Known' under National Action Plans. - It contains an area, or part thereof designated as 'critical habitat' under the FFG Act. - It supports, or likely to support a high proportion of any Victorian flora and fauna taxa. - It contains high quality, intact vegetation/habitat supporting a high species richness and diversity in a particular bioregion. - It is a site which forms part of, or connected to a larger area(s) of remnant native vegetation or habitat of state conservation significance such as most State Parks and/or Flora and Fauna Reserves.
REGIONAL SIGNIFICANCE

Criteria for defining Site Significance
<p>A site is of Regional significance if:</p> <ul style="list-style-type: none"> - It regularly supports, or has a high probability of regularly supporting regionally significant fauna as defined in Table 1.2. - It contains a large population (i.e. greater than 1% or 5%) of flora considered rare in any regional native vegetation plan for a particular bioregion. - It supports a fauna population with a disjunct distribution, or a particular taxon that has an unusual ecological or biogeographical occurrence. - It is a site which forms part of, or is connected to a larger area(s) of remnant native vegetation or habitat of regional conservation significance such as most Regional Parks and/or Flora and Fauna Reserves.
LOCAL SIGNIFICANCE
<p>Most sites are considered to be of at least local significant for conservation, and in general a site of local significance can be defined as:</p> <ul style="list-style-type: none"> - An area which supports indigenous flora species and/or a remnant EVC, and habitats used by locally significant fauna species. - An area which currently acts, or has the potential to act as a wildlife corridor linking other areas of higher conservation significance and facilitating fauna movement throughout the landscape.

A1.4. Defining Vegetation Condition

Table A1.4. Defining Vegetation Condition.

Criteria for defining Vegetation Condition
Good condition - Vegetation dominated by a diversity of indigenous species, with defined structures (where appropriate), such as canopy layer, shrub layer, and ground cover, with little or few introduced species present.
Moderate condition - Vegetation dominated by a diversity of indigenous species, but is lacking some structures, such as canopy layer, shrub layer or ground cover, and/or there is a greater level of introduced flora species present.
Poor condition - Vegetation dominated by introduced species, but supports low levels of indigenous species present, in the canopy, shrub layer or ground cover.

A1.5. Defining Habitat Quality

Several factors are taken into account when determining the value of habitat. Habitat quality varies on both spatial and temporal scales, with the habitat value varying depending upon a particular fauna species.

Table A1.5. Defining Habitat Quality.

Criteria for defining Habitat Quality
HIGH QUALITY
High degree of intactness (i.e. floristically and structurally diverse), containing several important habitat features such as ground debris (logs, rocks, vegetation), mature hollow-bearing trees, and a dense understorey component.
High species richness and diversity (i.e. represented by a large number of species from a range of fauna groups).
High level of foraging and breeding activity, with the site regularly used by native fauna for refuge and cover.
Habitat that has experienced, or is experiencing low levels of disturbance and/or threatening processes (i.e. weed invasion, introduced animals, soil erosion, salinity).
High contribution to a wildlife corridor, and/or connected to a larger area(s) of high quality habitat.
Provides known, or likely habitat for one or more rare or threatened species listed under the EPBC Act, FFG Act, or species considered rare or threatened according to DSE 2007.
MODERATE QUALITY
Moderate degree of intactness, containing one or more important habitat features such as ground debris (logs, rocks, vegetation), mature hollow-bearing trees, and a dense understorey component.
Moderate species richness and diversity - represented by a moderate number of species from a range of fauna groups.
Moderate levels of foraging and breeding activity, with the site used by native fauna for refuge and cover.
Habitat that has experienced, or is experiencing moderate levels of disturbance and/or threatening processes.
Moderate contribution to a wildlife corridor, or is connected to area(s) of moderate quality habitat.
Provides potential habitat for a small number of threatened species listed under the EPBC Act, FFG Act, or species considered rare or threatened according to DSE 2007b.
LOW QUALITY

Criteria for defining Habitat Quality
Low degree of intactness, containing few important habitat features such as ground debris (logs, rocks, vegetation), mature hollow-bearing trees, and a dense understorey component.
Low species richness and diversity (i.e. represented by a small number of species from a range of fauna groups).
Low levels of foraging and breeding activity, with the site used by native fauna for refuge and cover.
Habitat that has experienced, or is experiencing high levels of disturbance and/or threatening processes.
Unlikely to form part of a wildlife corridor, and is not connected to another area(s) of habitat.
Unlikely to provide habitat for rare or threatened species listed under the EPBC Act, FFG Act, or considered rare or threatened according to DSE 2007b.

Appendix 2.1 – Flora results

Table A2.1. Flora recorded during the present survey

R = rare (DSE 2005a)

* = Declared Noxious Weed (DPI 2008) or Weed of National Significance (DPI 2008)

= Native species acting as weed as invasive out of natural range

Scientific Name	Common Name
INDIGENOUS SPECIES	
<i>Acacia acinacea</i>	Gold-dust Wattle
<i>Acacia genistifolia</i>	Spreading Wattle
<i>Acacia paradoxa</i>	Hedge Wattle
<i>Acacia pycnantha</i>	Golden Wattle
<i>Acaena echinata</i>	Sheep's Burr
<i>Acrotriche serrulata</i>	Honey-pots
<i>Allocasuarina misera</i>	Dwarf Sheoak
<i>Allocasuarina muelleriana</i> subsp. <i>muelleriana</i>	Slaty Sheoak
<i>Allocasuarina verticillata</i>	Drooping Sheoak
<i>Amyema pendula</i>	Drooping Mistletoe
<i>Arthropodium fimbriatum</i>	Nodding Chocolate-lily
<i>Arthropodium strictum</i> s.l.	Chocolate-lily
<i>Astroloma conostephioides</i>	Flame Heath
<i>Astroloma humifusum</i>	Cranberry Heath
<i>Austrodanthonia eriantha</i>	Hill Wallaby-grass
<i>Austrodanthonia fulva</i>	Copper-awned Wallaby-grass
<i>Austrodanthonia geniculata</i>	Knead Wallaby-grass
<i>Austrodanthonia setacea</i> var. <i>setacea</i>	Bristly Wallaby-grass
<i>Austrostipa mollis</i>	Supple Spear-grass
<i>Austrostipa scabra</i> subsp. <i>falcata</i>	Rough Spear-grass
<i>Brachyloma daphnoides</i>	Daphne Heath
<i>Brunonia australis</i>	Blue Pincushion
<i>Burchardia umbellata</i>	Milkmaids
<i>Bursaria spinosa</i> subsp. <i>lasiophylla</i>	Hairy Bursaria
<i>Calytrix tetragona</i>	Common Fringe-myrtle
<i>Cassinia arcuata</i>	Drooping Cassinia
<i>Cassytha glabella</i>	Slender Dodder-laurel
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	Narrow Rock-fern
<i>Chloris truncata</i>	Windmill Grass
<i>Chrysocephalum apiculatum</i> s.l.	Common Everlasting
<i>Chrysocephalum semipapposum</i>	Clustered Everlasting
<i>Correa reflexa</i>	Common Correa
<i>Daucus glochidiatus</i>	Australian Carrot
<i>Dianella admixta</i>	Black-anther Flax-lily
<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea
<i>Dillwynia sericea</i>	Showy Parrot-pea

Scientific Name	Common Name
<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
<i>Eucalyptus camaldulensis</i>	River Red-gum
<i>Eucalyptus goniocalyx</i> s.l.	Bundy
<i>Eucalyptus leucoxylon</i> subsp. <i>leucoxylon</i>	Yellow Gum
<i>Eucalyptus melliodora</i>	Yellow Box
<i>Eucalyptus tricarpa</i>	Red Ironbark
<i>Exocarpos cupressiformis</i>	Cherry Ballart
<i>Gahnia radula</i>	Thatch Saw-sedge
<i>Gonocarpus elatus</i>	Tall Raspwort
<i>Gonocarpus tetragynus</i>	Common Raspwort
<i>Goodenia benthamiana</i>	Small-leaf Goodenia
<i>Goodenia geniculata</i>	Bent Goodenia
<i>Grevillea ilicifolia</i>	Holly-leaf Grevillea
<i>Hovea heterophylla</i>	Common Hovea
<i>Indigofera australis</i>	Austral Indigo
<i>Joycea pallida</i>	Silvertop Wallaby-grass
<i>Kennedia prostrata</i>	Running Postman
<i>Lachnagrostis filiformis</i> s.l.	Common Blown-grass
<i>Leptorynchus squamatus</i>	Scaly Buttons
<i>Leptospermum myrsinoides</i>	Heath Tea-tree
<i>Lomandra filiformis</i> subsp. <i>coriacea</i>	Wattle Mat-rush
<i>Lomandra juncea</i>	Desert Mat-rush
<i>Lomandra nana</i>	Dwarf Mat-rush
<i>Oxalis exilis</i>	Shady Wood-sorrel
<i>Ozothamnus obcordatus</i>	Grey Everlasting
<i>Pelargonium rodneyanum</i>	Magenta Stork's-bill
<i>Pimelea humilis</i>	Common Rice-flower
<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass
<i>Pteridium esculentum</i>	Austral Bracken
<i>Pultenaea pedunculata</i>	Matted Bush-pea
<i>Senecio quadridentatus</i>	Cotton Fireweed
<i>Senecio tenuiflorus</i> spp. agg.	Slender Fireweed
<i>Thelymitra</i> spp.	Sun Orchid
<i>Veronica plebeia</i>	Trailing Speedwell
<i>Vittadinia cuneata</i> var. <i>cuneata</i>	Fuzzy New Holland Daisy
<i>Walwhalleya prolata</i>	Rigid Panic
INTRODUCED SPECIES	
<i>Acacia baileyana</i> #	Cootamundra Wattle
<i>Acacia decurrens</i> #	Early Black-wattle
<i>Acacia longifolia</i> subsp. <i>longifolia</i> #	Sallow Wattle
<i>Acetosella vulgaris</i>	Sheep Sorrel
<i>Aira caryophylla</i>	Hair Grass
<i>Asparagus asparagoides</i>	Bridal Creeper
<i>Avena barbata</i>	Bearded Oat
<i>Brassica fruticulosa</i>	Twiggy Turnip

Scientific Name	Common Name
<i>Brassica</i> spp.	Turnip
<i>Briza maxima</i>	Large Quaking-grass
<i>Briza minor</i>	Lesser Quaking-grass
<i>Bromus catharticus</i>	Prairie Grass
<i>Bromus diandrus</i>	Great Brome
<i>Centaureum erythraea</i>	Common Centaury
<i>Cerastium glomeratum</i> s.l.	Common Mouse-ear Chickweed
<i>Chenopodium album</i>	Fat Hen
<i>Chrysanthemoides monilifera</i>	Boneseed
<i>Cirsium arvense</i>	Perennial Thistle
<i>Cotoneaster pannosus</i>	Velvet Cotoneaster
<i>Cynodon dactylon</i> var. <i>dactylon</i>	Couch
<i>Cyperus eragrostis</i>	Drain Flat-sedge
<i>Dactylis glomerata</i>	Cocksfoot
<i>Dittrichia graveolens</i>	Stinkwort
<i>Ehrharta erecta</i> var. <i>erecta</i>	Panic Veldt-grass
<i>Ehrharta calycina</i>	Perennial Veldt-grass
<i>Ehrharta longiflora</i>	Annual Veldt-grass
<i>Eucalyptus cladocalyx</i> #	Sugar Gum
<i>Fraxinus angustifolia</i> subsp. <i>angustifolia</i>	Desert Ash
<i>Freesia alba</i> x <i>Freesia leichtlinii</i>	Freesia
<i>Galenia pubescens</i> var. <i>pubescens</i>	Galenia
<i>Gazania linearis</i>	Gazania
<i>Genista linifolia</i>	Flax-leaf Broom
<i>Genista monspessulana</i>	Montpellier Broom
<i>Hypericum perforatum</i> subsp. <i>veronense</i>	St John's Wort
<i>Hypochaeris glabra</i>	Smooth Cat's-ear
<i>Hypochaeris radicata</i>	Flatweed
<i>Iris</i> spp.	Iris
<i>Juncus acutus</i> subsp. <i>acutus</i>	Spiny Rush
<i>Lactuca serriola</i>	Prickly Lettuce
<i>Lepidium africanum</i>	Common Peppercress
<i>Lolium rigidum</i>	Wimmera Rye-grass
<i>Lycium ferocissimum</i>	African Box-thorn
<i>Melaleuca parvisteminea</i> #	Rough-barked Honey-myrtle
<i>Melaleuca styphelioides</i> #	Prickly Paperbark
<i>Opuntia stricta</i>	Common Prickly-pear
<i>Paspalum dilatatum</i>	Paspalum
<i>Phalaris aquatica</i>	Toowoomba Canary-grass
<i>Pittosporum undulatum</i> #	Sweet Pittosporum
<i>Plantago lanceolata</i>	Ribwort
<i>Polycarpon tetraphyllum</i>	Four-leaved Allseed
<i>Polygonum aviculare</i> s.l.	Prostrate Knotweed
<i>Romulea rosea</i>	Onion Grass
<i>Rumex crispus</i>	Curled Dock
<i>Schinus molle</i>	Pepper Tree

Scientific Name	Common Name
<i>Setaria parviflora</i>	Slender Pigeon Grass
<i>Vinca major</i>	Blue Periwinkle
<i>Vulpia myuros</i>	Rat's-tail Fescue

Appendix 2.2 – Flora database results

Table A2.2. Significant flora recorded within 10 kilometres of the study area.

EPBC	<i>Environment Protection and biodiversity Conservation Act 1999</i> (EPBC Act)	1	Known occurrence
FFG	<i>Flora and Fauna Guarantee Act 1988</i> (FFG Act)	2	Habitat present
DSE	Advisory List of Threatened Flora in Victoria (DSE 2005); VROTS	3	Habitat present, but low likelihood
X	Extinct	4	Unlikely
CR	Critically endangered	5	No suitable habitat
EN	Endangered		
VU	Vulnerable		
e	Endangered		
v	Vulnerable		
r	Rare		
k	Poorly Known		
L	Listed as threatened under FFG Act		
D	De-listed from the FFG Act		
#	Records identified from EPBC Act Protected Matters Search Tool.		
*	Native non-indigenous species		

Scientific name	Common name	Total # of documented records	Last documented record	EPBC	FFG	DSE	Likely occurrence in study area
NATIONAL SIGNIFICANCE							
*# <i>Caladenia audasii</i>	McIvor Spider-orchid	1999	3	EN	L	e	4
# <i>Caladenia fulva</i>	Tawny Spider-orchid	30	2005	EN	L	e	4
<i>Caladenia ornata</i>	Ornate Pink-fingers	1	1995	VU	L	v	4
# <i>Caladenia rosella</i>	Rosella Spider-orchid	-	-	EN	L	e	4
# <i>Caladenia tensa</i>	Greencomb Spider-orchid	-	-	EN	-	v	4
# <i>Caladenia versicolor</i>	Candy Spider-orchid	-	-	VU	L	e	4
<i>Daviesia laevis</i>	Grampians Bitter-pea	1	1893	VU	L	v	5
*# <i>Dodonaea procumbens</i>	Trailing Hop-bush	11	2009	VU	-	v	4
# <i>Euphrasia collina</i> subsp. <i>muelleri</i>	Purple Eyebright	5	1998	EN	L	e	4
# <i>Glycine latrobeana</i>	Glycine latrobeana	-	-	VU	L	v	4
# <i>Pimelea spinescens</i> subsp. <i>spinescens</i>	Spiny Rice-flower	9	2008	CR	L	e	4
# <i>Prasophyllum subbisectum</i>	Pomonal Leek-orchid	9	1998	EN	L	e	4
<i>Rutidosia leptorhynchoidea</i>	Button Wrinklewort	1	1994	EN	L	e	4
# <i>Senecio macrocarpus</i>	Large-headed Fireweed	12	2005	VU	L	e	3
* <i>Thelymitra epipactoides</i>	Metallic Sun-orchid	2	2009	EN	L	e	4
# <i>Thelymitra mackibbinii</i>	Brilliant Sun-orchid	-	-	VU	L	e	4
# <i>Thelymitra matthewsii</i>	Spiral Sun-orchid	-	-	VU	L	v	5
STATE SIGNIFICANCE							
<i>Allocasuarina luehmannii</i>	Buloke	12	1998	-	L	-	4
<i>Austrodanthonia monticola</i>	Small-flower Wallaby-grass	2	1998	-	-	r	4
<i>Austrostipa hemipogon</i>	Half-bearded Spear-grass	4	1998	-	-	r	3
<i>Austrostipa trichophylla</i>	Spear-grass	2	1998	-	-	r	4
* <i>Caladenia patersonii</i> s.s.	Cream Spider-orchid	1	1986	-	L	e	5
<i>Caladenia reticulata</i> s.s.	Veined Spider-orchid	8	2000	-	-	v	3
* <i>Caladenia villosissima</i>	Hairy Spider-orchid	1	1988	-	-	k	5
<i>Callitriche umbonata</i>	Winged Water-starwort	1	1983	-	-	r	4
<i>Comesperma polygaloides</i>	Small Milkwort	16	2009	-	L	v	2

Scientific name	Common name	Total # of documented records	Last documented record	EPBC	FFG	DSE	Likely occurrence in study area
<i>Correa aemula</i>	Hairy Correa	2	1952	-	-	r	5
<i>Correa reflexa</i> var. <i>angustifolia</i>	Grampians Correa	1	1911	-	-	r	5
* <i>Corunastylis ciliata</i>	Fringed Midge-orchid	1	1993	-	-	k	5
<i>Deyeuxia imbricata</i>	Bent-grass	2	1998	-	-	v	4
<i>Digitaria divaricatissima</i>	Umbrella Grass	1	1998	-	-	v	5
* <i>Diuris behrii</i>	Golden Cowslips	2	2009	-	-	v	5
<i>Diuris palustris</i>	Swamp Diuris	8	1998	-	L	v	5
<i>Dodonaea boroniifolia</i>	Hairy Hop-bush	2	1996	-	-	r	5
<i>Eucalyptus froggattii</i>	Kamarooka Mallee	1	1998	-	L	r	5
<i>Geranium</i> sp. 3	Pale-flower Crane's-bill	1	1998	-	-	r	3
<i>Grevillea dimorpha</i>	Flame Grevillea	1	1893	-	-	r	5
<i>Grevillea dryophylla</i>	Goldfields Grevillea	5	1995	-	-	r	5
<i>Grevillea rosmarinifolia</i> subsp. <i>rosmarinifolia</i>	Rosemary Grevillea	1	1998	-	-	r	3
<i>Hibbertia humifusa</i>	Rising Star Guinea-flower	8	1998	-	-	r	3
<i>Hibbertia humifusa</i> subsp. <i>humifusa</i>	Rising Star Guinea-flower	39	2000	-	-	r	2
<i>Isolepis congrua</i>	Slender Club-sedge	5	1988	-	L	v	4
<i>Leptorhynchos elongatus</i>	Lanky Buttons	1	1770	-	-	e	4
<i>Leptorhynchos orientalis</i>	Annual Buttons	1	1893	-	L	e	4
* <i>Lepyrodia flexuosa</i>	Twisting Scale-rush	1	1900	-	-	r	4
* <i>Lomandra micrantha</i> ssp. <i>tuberculata</i>	Small-flower Mat-rush	1	1952	-	-	r	3
* <i>Parietaria australis</i>	Western Pellitory	1	1900	-	-	r	5
<i>Pimelea spinescens</i>	Spiny Rice-flower	1	2000	-	L	e	4
<i>Prasophyllum</i> aff. <i>fitzgeraldii</i> B	Elfin Leek-orchid	3	1995	-	-	e	4
<i>Prasophyllum lindleyanum</i>	Green Leek-orchid	4	1988	-	-	v	4
# <i>Prasophyllum</i> sp. aff. <i>fitzgeraldii</i> A	Pink-lip Leek-orchid	2	1998	-	-	e	4
* <i>Pterostylis diminuta</i>	Crowded Greenhood	2	1992	-	-	k	4
* <i>Pterostylis</i> sp. aff. <i>plumosa</i> (Woodland)	Woodland Plume-orchid	1	2005	-	-	r	4
* <i>Pultenaea juniperina</i> s.s.	Prickly Beauty	1	1900	-	-	r	4

Scientific name	Common name	Total # of documented records	Last documented record	EPBC	FFG	DSE	Likely occurrence in study area
<i>*Pultenaea patellifolia</i>	Mt. Byron Bush-pea	1	1998	-	-	r	4
<i>*Stylidium calcaratum</i> var. <i>ecorne</i>	Foot Triggerplant	3	1981	-	-	k	4
<i>Schoenus nanus</i>	Tiny Bog-sedge	5	1988	-	-	r	4
<i>Swainsona swainsonioides</i>	Downy Swainson-pea	2	1893	-	L	e	5
<i>Thelymitra luteocilium</i>	Fringed Sun-orchid	18	1999	-	-	r	3
<i>Thelymitra X chasmogama</i>	Globe-hood Sun-orchid	1	1981	-	-	v	4
<i>Thelymitra X macmillanii</i>	Crimson Sun-orchid	6	1999	-	-	v	3
<i>*Tripogon loliiformis</i>	Rye Beetle-grass	2	2009	-	-	r	4

Data source: Victorian Biodiversity Atlas (DSE 2011a); Flora Information System (Viridans 2011a); Protected Matters Search Tool (SEWPaC 2011).

Taxonomic order: Alphabetical.

Appendix 3.1 – Fauna results

Table A3.1. Fauna recorded during the present survey (2011 and 2012), and previously recorded within 10 kilometres of the study area.

H Heard
 S Seen
 I Incidental (feathers, bones, scats etc)
 T Trapped / handheld

Mi Migratory
 Ma Marine
 * Introduced species

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
MAMMALS						
Short-beaked Echidna	<i>Tachyglossus aculeatus</i>	2002	21	-	-	I
Yellow-footed Antechinus	<i>Antechinus flavipes</i>	2005	22	-	-	-
Brush-tailed Phascogale	<i>Phascogale tapoatafa tapoatafa</i>	2001	1	Total	-	-
Fat-tailed Dunnart	<i>Sminthopsis crassicaudata</i>	2008	6	-	-	-
Southern Brown Bandicoot	<i>Isodon obesulus obesulus</i>	2001	12	-	-	-
Common Wombat	<i>Vombatus ursinus</i>	1995	1	-	-	-
Koala	<i>Phascolarctos cinereus</i>	2001	22	-	-	-
Common Brushtail Possum	<i>Trichosurus vulpecula</i>	2006	47	Total	-	I
Eastern Pygmy-possum	<i>Cercartetus nanus</i>	1965	2	Partial	-	-
Yellow-bellied Glider	<i>Petaurus australis</i>	1992	1	Total	-	-
Sugar Glider	<i>Petaurus breviceps</i>	2006	24	Total	-	-
Common Ringtail Possum	<i>Pseudocheirus peregrinus</i>	2000	9	Partial	-	I
Squirrel Glider	<i>Petaurus norfolcensis</i>	2004	23	Total	-	-
Feathertail Glider	<i>Acrobates pygmaeus</i>	2001	5	Total	-	-
Tammar Wallaby	<i>Macropus eugenii</i>	1992	1	-	-	-
Western Grey Kangaroo	<i>Macropus fuliginosus</i>	1996	5	-	-	-
Eastern Grey Kangaroo	<i>Macropus giganteus</i>	2005	26	-	-	S
Red-necked Wallaby	<i>Macropus rufogriseus</i>	2006	4	-	-	-
Black Wallaby	<i>Wallabia bicolor</i>	2005	23	-	-	S
White-striped Freetail Bat	<i>Tadarida australis</i>	2005	11	Total	-	-
Southern Freetail Bat	<i>Mormopterus sp. 4</i>	1996	7	-	-	-
Gould's Wattled Bat	<i>Chalinolobus gouldii</i>	1999	8	Total	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Chocolate Wattled Bat	<i>Chalinolobus morio</i>	1999	13	Total	-	-
Lesser Long-eared Bat	<i>Nyctophilus geoffroyi</i>	2001	12	Total	-	-
Large Forest Bat	<i>Vespadelus darlingtoni</i>	1996	5	Total	-	-
Little Forest Bat	<i>Vespadelus vulturnus</i>	2001	15	Total	-	-
Water Rat	<i>Hydromys chrysogaster</i>	1990	1	-	-	-
House Mouse*	<i>Mus musculus</i>	2002	2	-	-	S
Swamp Rat	<i>Rattus lutreolus</i>	2001	2	-	-	-
Black Rat*	<i>Rattus rattus</i>	2001	1	-	-	-
Red Fox*	<i>fam. Canidae gen. Vulpes</i>	2002	5	-	-	I
Cat*	<i>Felis catus</i>	2005	2	-	-	-
European Rabbit*	<i>Oryctolagus cuniculus</i>	2002	21	-	-	S
European Hare*	<i>Lepus europeaus</i>	2001	4	-	-	S
BIRDS						
Emu	<i>Dromaius novaehollandiae</i>	1996	5	-	-	-
Brown Quail	<i>Coturnix ypsilophora australis</i>	1985	1	-	-	-
Black Swan	<i>Cygnus atratus</i>	2000	5	-	-	-
Australian Shelduck	<i>Tadorna tadornoides</i>	2002	8	Total	-	-
Australian Wood Duck	<i>Chenonetta jubata</i>	2000	5	Total	-	S
Grey Teal	<i>Anas gracilis</i>	2002	2	Total	-	S
Northern Mallard*	<i>Anas platyrhynchos</i>	2000	1	-	-	-
Pacific Black Duck	<i>Anas superciliosa</i>	2001	8	-	-	S
Hardhead	<i>Aythya australis</i>	2002	1	-	-	-
Hoary-headed Grebe	<i>Poliocephalus poliocephalus</i>	2002	4	-	-	-
Rock Dove*	<i>Columba livia</i>	1981	3	-	-	S
Common Bronzewing	<i>Phaps chalcoptera</i>	2006	18	-	-	S
Peaceful Dove	<i>Geopelia striata</i>	2005	30	-	-	-
Tawny Frogmouth	<i>Podargus strigoides</i>	2006	8	-	-	-
Australian Owlet-nightjar	<i>Aegotheles cristatus</i>	2001	8	Total	-	-
White-throated Needletail	<i>Hirundapus caudacutus</i>	1978	1	-	Mi/Ma	-
Darter	<i>Anhinga novaehollandiae</i>	1923	1	-	-	-
Little Pied Cormorant	<i>Microcarbo melanoleucos</i>	1999	6	-	-	S
Great Cormorant	<i>Phalacrocorax carbo</i>	2000	1	-	-	-
Little Black Cormorant	<i>Phalacrocorax sulcirostris</i>	1994	1	-	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Australian Pelican	<i>Pelecanus conspicillatus</i>	1999	1	-	Ma	-
White-necked Heron	<i>Ardea pacifica</i>	2001	10	-	-	-
White-faced Heron	<i>Egretta novaehollandiae</i>	2001	10	-	-	S
Australian White Ibis	<i>Threskiornis molucca</i>	2000	5	-	Ma	S
Straw-necked Ibis	<i>Threskiornis spinicollis</i>	1986	1	-	Ma	-
Black-shouldered Kite	<i>Elanus axillaris</i>	1980	4	-	-	S
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>	1982	1	-	Mi/Ma	-
Whistling Kite	<i>Haliastur sphenurus</i>	2006	15	-	Ma	S
Black Kite	<i>Milvus migrans</i>	1997	1	-	-	-
Brown Goshawk	<i>Accipiter fasciatus</i>	2000	28	-	Ma	S
Grey Goshawk	<i>Accipiter novaehollandiae novaehollandiae</i>	1989	1	-	-	-
Spotted Harrier	<i>Circus assimilis</i>	1995	1	-	-	-
Swamp Harrier	<i>Circus approximans</i>	1979	1	-	Ma	-
Wedge-tailed Eagle	<i>Aquila audax</i>	2006	6	-	-	-
Little Eagle	<i>Hieraaetus morphnoides</i>	2008	5	-	-	-
Brown Falcon	<i>Falco berigora</i>	2000	16	-	-	S
Australian Hobby	<i>Falco longipennis</i>	2000	2	-	-	-
Black Falcon	<i>Falco subniger</i>	1990	1	-	-	-
Peregrine Falcon	<i>Falco peregrinus</i>	2008	2	Partial	-	-
Purple Swamphen	<i>Porphyrio porphyrio</i>	2000	8	-	-	S
Australian Spotted Crake	<i>Porzana fluminea</i>	1970	1	-	-	-
Black-tailed Native-hen	<i>Gallinula ventralis</i>	1999	2	-	-	-
Dusky Moorhen	<i>Gallinula tenebrosa</i>	2000	8	-	-	-
Eurasian Coot	<i>Fulica atra</i>	2000	6	-	-	-
Bush Stone-curlew	<i>Burhinus grallarius</i>	2005	9	-	-	-
Black-fronted Dotterel	<i>Elseyornis melanops</i>	1981	4	-	-	-
Masked Lapwing	<i>Vanellus miles</i>	2001	19	-	-	S
Plains-wanderer	<i>Pedionomus torquatus</i>	1975	2	-	-	-
Painted Button-quail	<i>Turnix varia</i>	2006	3	-	-	I
Silver Gull	<i>Chroicocephalus novaehollandiae</i>	1999	1	-	Ma	-
Yellow-tailed Black-Cockatoo	<i>Calyptrorhynchus funereus</i>	2002	24	Total	-	S
Galah	<i>Eolophus roseicapilla</i>	2006	22	Total	-	S
Long-billed Corella	<i>Cacatua tenuirostris</i>	2002	18	Total	-	H

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Sulphur-crested Cockatoo	<i>Cacatua galerita</i>	2001	14	Total	-	S
Cockatiel	<i>Nymphicus hollandicus</i>	1984	1	Total	-	-
Rainbow Lorikeet	<i>Trichoglossus haematodus</i>	2001	7	Total	-	S
Musk Lorikeet	<i>Glossopsitta concinna</i>	2006	53	-	-	S
Little Lorikeet	<i>Glossopsitta pusilla</i>	2006	18	-	-	S
Purple-crowned Lorikeet	<i>Glossopsitta porphyrocephala</i>	2001	25	Total	-	-
Crimson Rosella	<i>Platycercus elegans</i>	2006	49	Total	-	S
Eastern Rosella	<i>Platycercus eximius</i>	2006	57	Total	-	S
Mallee Ringneck	<i>Barnardius zonarius barnardi</i>	1994	1	Total	-	-
Swift Parrot	<i>Lathamus discolor</i>	2003	7	Total	Ma	-
Red-rumped Parrot	<i>Psephotus haematonotus</i>	2005	23	-	-	S
Budgerigar	<i>Melopsittacus undulatus</i>	1984	1	Partial	-	-
Horsfield's Bronze-Cuckoo	<i>Chrysococcyx basalis</i>	1981	2	-	Ma	-
Black-eared Cuckoo	<i>Chrysococcyx osculans</i>	1980	1	-	Ma	-
Shining Bronze-Cuckoo	<i>Chrysococcyx lucidus</i>	1981	1	-	Ma	H
Pallid Cuckoo	<i>Cuculus pallidus</i>	2000	8	-	Ma	-
Fan-tailed Cuckoo	<i>Cacomantis flabelliformis</i>	2001	7	-	-	-
Powerful Owl	<i>Ninox strenua</i>	2000	5	Total	-	-
Barking Owl	<i>Ninox connivens connivens</i>	1997	2	Total	-	-
Southern Boobook	<i>Ninox novaeseelandiae</i>	2005	11	Total	Ma	-
Laughing Kookaburra	<i>Dacelo novaeguineae</i>	2002	25	Total	-	S
Sacred Kingfisher	<i>Todiramphus sanctus</i>	1995	5	Partial	Ma	-
Rainbow Bee-eater	<i>Merops ornatus</i>	2002	18	-	Mi/Ma	-
White-throated Treecreeper	<i>Cormobates leucophaeus</i>	2001	25	Total	-	-
Brown Treecreeper (south-eastern ssp.)	<i>Climacteris picumnus victoriae</i>	2006	38	Total	-	-
Superb Fairy-wren	<i>Malurus cyaneus</i>	2004	48	-	-	S
White-browed Scrubwren	<i>Sericornis frontalis</i>	1996	1	-	-	S
Chestnut-rumped Heathwren	<i>Calamanthus pyrrhopygius</i>	1995	1	-	-	-
Weebill	<i>Smicrornis brevirostris</i>	1998	12	-	-	S
Striated Thornbill	<i>Acanthiza lineata</i>	1997	4	-	-	-
Yellow Thornbill	<i>Acanthiza nana</i>	2001	19	-	-	-
Yellow-rumped Thornbill	<i>Acanthiza chrysorrhoa</i>	2002	28	-	-	S
Chestnut-rumped Thornbill	<i>Acanthiza uropygialis</i>	1968	3	-	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Buff-rumped Thornbill	<i>Acanthiza reguloides</i>	2006	15	-	-	-
Brown Thornbill	<i>Acanthiza pusilla</i>	2001	30	-	-	-
Southern Whiteface	<i>Aphelocephala leucopsis</i>	1977	2	-	-	-
Spotted Pardalote	<i>Pardalotus punctatus</i>	2006	32	-	-	S
Striated Pardalote	<i>Pardalotus striatus</i>	2006	72	Partial	-	S
Eastern Spinebill	<i>Acanthorhynchus tenuirostris</i>	2000	23	-	-	S
Pied Honeyeater	<i>Certhionyx variegatus</i>	1999	1	-	-	-
Yellow-faced Honeyeater	<i>Lichenostomus chrysops</i>	2006	20	-	-	S
White-eared Honeyeater	<i>Lichenostomus leucotis</i>	1996	3	-	-	-
Yellow-tufted Honeyeater	<i>Lichenostomus melanops</i>	2006	67	-	-	-
Fuscous Honeyeater	<i>Lichenostomus fuscus</i>	2006	90	-	-	-
White-plumed Honeyeater	<i>Lichenostomus penicillatus</i>	2006	46	-	-	S
White-fronted Honeyeater	<i>Phylidonyris albifrons</i>	1982	1	-	-	-
Noisy Miner	<i>Manorina melanocephala</i>	2006	41	-	-	S
Little Wattlebird	<i>Anthochaera chrysoptera</i>	2001	5	-	-	-
Regent Honeyeater	<i>Anthochaera phrygia</i>	1965	2	-	Mi	-
Red Wattlebird	<i>Anthochaera carunculata</i>	2006	103	-	-	S
White-fronted Chat	<i>Epthianura albifrons</i>	2001	3	-	-	-
Black Honeyeater	<i>Sugamel niger</i>	1986	2	-	-	-
New Holland Honeyeater	<i>Phylidonyris novaehollandiae</i>	2006	44	-	-	S
Brown-headed Honeyeater	<i>Melithreptus brevirostris</i>	2006	46	-	-	S
White-naped Honeyeater	<i>Melithreptus lunatus</i>	2006	22	-	-	-
Blue-faced Honeyeater	<i>Entomyzon cyanotis</i>	2004	9	-	-	S
Painted Honeyeater	<i>Grantiella picta</i>	2005	4	-	-	-
Black-chinned Honeyeater	<i>Melithreptus gularis gularis</i>	2006	29	-	-	-
Grey-crowned Babbler	<i>Pomatostomus temporalis temporalis</i>	1998	1	-	-	-
White-browed Babbler	<i>Pomatostomus superciliosus</i>	2006	31	-	-	-
Speckled Warbler	<i>Chthonicola sagittatus</i>	2000	3	-	-	-
Varied Sittella	<i>Daphoenositta chrysoptera</i>	2000	22	-	-	-
Black-faced Cuckoo-shrike	<i>Coracina novaehollandiae</i>	2002	37	-	Ma	S
White-bellied Cuckoo-shrike	<i>Coracina papuensis</i>	2002	10	-	Ma	-
White-winged Triller	<i>Lalage sueurii</i>	2000	15	-	-	-
Crested Shrike-tit	<i>Falcunculus frontatus</i>	2003	28	-	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Golden Whistler	<i>Pachycephala pectoralis</i>	2000	14	-	-	-
Rufous Whistler	<i>Pachycephala rufiventris</i>	2001	34	-	-	S
Grey Shrike-thrush	<i>Colluricincla harmonica</i>	2005	59	Partial	-	S
Crested Pigeon	<i>Ocyphaps lophotes</i>	2000	1	-	-	S
Olive-backed Oriole	<i>Oriolus sagittatus</i>	2001	4	-	-	H
Masked Woodswallow	<i>Artamus personatus</i>	2000	1	-	-	-
White-browed Woodswallow	<i>Artamus superciliosus</i>	2004	14	-	-	-
Dusky Woodswallow	<i>Artamus cyanopterus</i>	2006	38	Partial	-	S
Welcome Swallow	<i>Petrochelidon neoxena</i>	2003	53	-	-	S
Fairy Martin	<i>Petrochelidon ariel</i>	1999	2	-	-	-
Tree Martin	<i>Petrochelidon nigricans</i>	1998	6	-	-	-
Grey Butcherbird	<i>Cracticus torquatus</i>	2002	5	-	-	S
Australian Magpie	<i>Gymnorhina tibicen</i>	2006	73	-	-	S
Pied Currawong	<i>Strepera graculina</i>	1981	1	-	-	-
Grey Currawong	<i>Strepera versicolor</i>	2003	42	-	-	-
Grey Fantail	<i>Rhipidura albiscarpa</i>	2006	20	-	-	S
Willie Wagtail	<i>Rhipidura leucophrys</i>	2005	52	-	-	S
Australian Raven	<i>Corvus coronoides</i>	2002	26	-	-	S
Little Raven	<i>Corvus mellori</i>	2001	11	-	Ma	-
Restless Flycatcher	<i>Myiagra inquieta</i>	2001	35	-	-	-
Magpie-lark	<i>Grallina cyanoleuca</i>	2005	19	-	-	S
White-winged Chough	<i>Corcorax melanorhamphos</i>	2006	34	-	-	S
Jacky Winter	<i>Microeca fascians</i>	2002	11	-	-	-
Scarlet Robin	<i>Petroica boodang</i>	2001	21	-	-	-
Red-capped Robin	<i>Petroica goodenovii</i>	2000	5	-	-	-
Flame Robin	<i>Petroica phoenicea</i>	1967	5	-	-	-
Rose Robin	<i>Petroica rosea</i>	1968	3	-	-	-
Hooded Robin	<i>Melanodryas cucullata cucullata</i>	2004	3	-	-	-
Eastern Yellow Robin	<i>Eopsaltria australis</i>	2003	36	-	-	-
Clamorous Reed Warbler	<i>Acrocephalus stentoreus</i>	2000	5	-	Mi/Ma	-
Rufous Songlark	<i>Cincloramphus mathewsi</i>	2005	13	-	-	-
Silvereye	<i>Zosterops lateralis</i>	2001	19	-	Ma	S
White-backed Swallow	<i>Cheramoeca leucosternus</i>	1982	1	-	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Bassian Thrush	<i>Zoothera lunulata</i>	2000	1	-	-	-
Common Blackbird*	<i>Turdus merula</i>	2002	12	-	-	S
Common Starling*	<i>Sturnus vulgaris</i>	2000	13	Partial	-	S
Mistletoebird	<i>Dicaeum hirundinaceum</i>	2006	47	-	-	-
Red-browed Finch	<i>Neochmia temporalis</i>	2005	18	-	-	-
European Goldfinch*	<i>fam. Fringillidae gen. Carduelis</i>	2001	11	-	-	-
Diamond Firetail	<i>Stagonopleura guttata</i>	2005	17	-	-	-
House Sparrow*	<i>Passer domesticus</i>	2001	14	-	-	S
Australasian Pipit	<i>Anthus novaeseelandiae</i>	2001	1	-	Ma	-
European Greenfinch*	<i>Carduelis chloris</i>	1985	2	-	-	-
REPTILES						
Long neck tortoise	<i>Chelodina longicollis</i>	1990	1	-	-	-
Marbled Gecko	<i>Christinus marmoratus</i>	2001	8	Partial	-	-
Thick-tailed Barking Gecko	<i>Underwoodisaurus milii</i>	2001	5	-	-	-
Olive Legless Lizard	<i>Delma inornata</i>	2008	7	-	-	-
Common Scaly-foot	<i>Pygopus lepidopodus</i>	2004	1	-	-	-
Tree Dragon	<i>Amphibolurus muricatus</i>	2002	6	Partial	-	S
Bearded Dragon	<i>Pogona barbata</i>	2001	3	Partial	-	S
Sand Goanna	<i>Varanus gouldii</i>	2006	6	-	-	-
Lace Goanna	<i>Varanus varius</i>	2005	5	Partial	-	-
Large Striped Skink	<i>Ctenotus robustus</i>	2008	30	-	-	S
Black Rock Skink	<i>Egernia saxatilis intermedia</i>	1903	1	Partial	-	-
Three-toed Skink	<i>Hemiergis decresiensis</i>	1990	2	-	-	-
Garden Skink	<i>Lampropholis guichenoti</i>	2005	10	-	-	S
Bougainville's Skink	<i>Lerista bougainvillii</i>	2005	15	-	-	S
White's Skink	<i>Liopholis whitii</i> GROUP	1998	4	-	-	-
Grey's Skink	<i>Menetia greyii</i>	2006	8	-	-	-
Samphire Skink	<i>Morethia adelaidensis</i>	1963	1	-	-	-
Boulanger's Skink	<i>Morethia boulengeri</i>	2008	10	-	-	-
Eastern Three-lined Skink	<i>Bassiana duperreyi</i>	2006	9	-	-	-
Common Blue-tongued Lizard	<i>Tiliqua scincoides</i>	2001	3	-	-	-
Stumpy-tailed Lizard	<i>Tiliqua rugosa</i>	2001	12	-	-	-
Woodland Blind Snake	<i>Ramphotyphlops proximus</i>	1976	2	-	-	-

Common name	Scientific name	Last documented record	Total # of documented records	Hollow use	Mi/ Ma	Present survey
Red-bellied Black Snake	<i>Pseudechis porphyriacus</i>	2000	2	-	-	-
Eastern Brown Snake	<i>Pseudonaja textilis</i>	2006	7	-	-	-
Little Whip Snake	<i>Suta flagellum</i>	2007	9	-	-	-
AMPHIBIANS						
Plains Froglet	<i>Crinia parinsignifera</i>	2001	10	-	-	H
Common Froglet	<i>Crinia signifera</i>	2008	63	-	-	H
Southern Bullfrog (ssp. unknown)	<i>Limnodynastes dumerilii</i>	2005	36	-	-	-
Pobblebonk Frog	<i>Limnodynastes dumerilii dumerilii</i>	1962	1	-	-	-
Spotted Marsh Frog (race unknown)	<i>Limnodynastes tasmaniensis</i>	1961	5	-	-	H
Mallee Spadefoot Toad	<i>Neobatrachus pictus</i>	2005	1	-	-	-
Common Spadefoot Toad	<i>Neobatrachus sudelli</i>	2005	5	-	-	-
Brown Toadlet	<i>Pseudophryne bibronii</i>	2001	17	-	-	-
Southern Brown Tree Frog	<i>Litoria ewingii</i>	2006	24	-	-	H
Peron's Tree Frog	<i>Litoria peronii</i>	1998	1	Partial	-	-
Growling Grass Frog	<i>Litoria raniformis</i>	1963	7	-	-	-
MUSSELS & CRUSTACEANS						
Yabby	<i>Cherax destructor</i>	1983	1	-	-	-

Source used to determine number of records and year: Victorian Biodiversity Atlas (DSE 2011b)

Source used to determine hollow use: Victorian Fauna Database (Viridans 2011b)

Source used to determine migratory and marine: Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)

Taxonomic order: Mammals (Strahan 1995 in Menkhorst & Knight 2004); Birds (Christidis & Boles, 2008); Reptiles and Amphibians (Cogger et al. 1983 in Cogger 1996); Fish (Nelson 1994); Mussels & Crustaceans (Alphabetical); Invertebrates (Alphabetical).

Appendix 3.2 – Significant fauna species

Table A3.2. Significant fauna within 10 kilometres of the study area.

Habitat characteristics of significant flora and fauna species previously recorded within 10 kilometres of the study area, or that may potentially occur within the study area were assessed to determine their likelihood of occurrence. The likelihood of occurrence rankings for each of the threatened species are:

1	High Likelihood	<ul style="list-style-type: none"> Known resident in the study area based on site observations, database records, or expert advice; and/or, Recent records (i.e. within five years) of the species in the local area (VBA 2011); and/or, The study area contains the species' preferred habitat.
2	Moderate Likelihood	<ul style="list-style-type: none"> The species is likely to visit the study area regularly (i.e. at least seasonally); and/or, Previous records of the species in the local area (VBA 2011); and/or, The study area contains some characteristics of the species' preferred habitat.
3	Low Likelihood	<ul style="list-style-type: none"> The species is likely to visit the study area occasionally or opportunistically whilst en route to more suitable sites; and/or, There are only limited or historical records of the species in the local area (i.e. more than 20 years old); and/or, The study area contains few or no characteristics of the species' preferred habitat.
4	Unlikely	<ul style="list-style-type: none"> No previous records of the species in the local area; and/or, The species may fly over the study area when moving between areas of more suitable habitat; and/or, Out of the species' range; and/or, No suitable habitat present.

EPBC *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)

FFG *Flora and Fauna Guarantee Act 1988* (FFG Act)

DSE Advisory List of Threatened Vertebrate Fauna in Victoria (DSE 2007); Advisory List of Threatened Invertebrate Fauna in Victoria (DSE 2009)

NAP National Action Plan (Cogger et al 1993; Duncan et al. 1999; Garnet and Crowley 2000; Lee 1995; Maxwell et al. 1996; Sands and New 2002; Tyler 1997)

EX Extinct

RX Regionally extinct

CR Critically endangered

EN Endangered

VU Vulnerable

RA Rare

NT Near threatened

CD Conservation dependent

LC least concern

DD Data deficient (insufficiently or poorly known)

L Listed as threatened under FFG Act

I Invalid or ineligible for listing under the FFG Act

Listed on the Protected Matters Search Tool

* Additional information from the Victorian Fauna Database

Common name	Scientific name	Last documented record	Total # of documented records	EPBC	DSE	FFG	NAP	Likely use of study area
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Common name	Scientific name	Last documented record	Total # of documented records	EPBC	DSE	FFG	NAP	Likely use of study area
NATIONAL SIGNIFICANCE								
Southern Brown Bandicoot	<i>Isoodon obesulus obesulus</i>	2001	12	EN	NT	L	NT	4
Plains-wanderer	<i>Pedionomus torquatus</i>	1975	2	VU	CR	L	EN	4
Swift Parrot	<i>Lathamus discolor</i>	2003	7	EN	EN	L	EN	3
Regent Honeyeater	<i>Anthochaera phrygia</i>	1965	2	EN	CR	L	EN	4
Growing Grass Frog	<i>Litoria raniformis</i>	1963	7	VU	EN	L	VU	4
# Spot-tailed Quoll	<i>Dasyurus maculatus</i>	-	-	EN	EN	L	VU	4
# Brush-tailed Rock-wallaby	<i>Petrogale penicillata</i>	-	-	VU	CR	L	VU	4
# Heath Mouse	<i>Pseudomys shortridgei</i>	-	-	VU	NT	L	EN	4
# Australasian Bittern	<i>Botaurus poiciloptilus</i>	-	-	EN	EN	L	VU	4
# Australian Painted Snipe	<i>Rostratula australis</i>	-	-	VU	CR	L	VU	4
# Malleefowl	<i>Leipoa ocellata</i>	-	-	VU	EN	L	VU	4
# Striped Legless Lizard	<i>Delma impar</i>	-	-	VU	EN	L	VU	4
# Murray Cod	<i>Maccullochella peelii peelii</i>	-	-	VU	EN	L	-	4
# Golden Sun Moth	<i>Synemon plana</i>	-	-	CR	EN	L	-	4
STATE SIGNIFICANCE								
Brush-tailed Phascogale	<i>Phascogale tapoatafa tapoatafa</i>	2001	1	-	VU	L	NT	4
Squirrel Glider	<i>Petaurus norfolcensis</i>	2004	23	-	EN	L	NT	3
Hardhead	<i>Aythya australis</i>	2002	1	-	VU	-	-	4
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>	1982	1	-	VU	L	-	4
Grey Goshawk	<i>Accipiter novaehollandiae</i>	1989	1	-	VU	L	-	4
Black Falcon	<i>Falco subniger</i>	1990	1	-	VU	-	-	3
Bush Stone-curlew	<i>Burhinus grallarius</i>	2005	9	-	EN	L	NT	3
Powerful Owl	<i>Ninox strenua</i>	2000	5	-	VU	L	-	4
Barking Owl	<i>Ninox connivens connivens</i>	1997	2	-	EN	L	NT	3
Brown Treecreeper (south-eastern ssp.)	<i>Climacteris picumnus victoriae</i>	2006	38	-	NT	-	NT	2
Chestnut-rumped Heathwren	<i>Calamanthus pyrrhopygius</i>	1995	1	-	VU	L	-	3
Painted Honeyeater	<i>Grantiella picta</i>	2005	4	-	VU	L	NT	3
Grey-crowned Babbler	<i>Pomatostomus temporalis</i>	1998	1	-	EN	L	NT	4
Speckled Warbler	<i>Chthonicola sagittatus</i>	2000	3	-	VU	L	NT	3
Hooded Robin	<i>Melanodryas cucullata cucullata</i>	2004	3	-	NT	L	NT	3

Common name	Scientific name	Last documented record	Total # of documented records	EPBC	DSE	FFG	NAP	Likely use of study area
Diamond Firetail	<i>Stagonopleura guttata</i>	2005	17	-	VU	L	NT	3
Lace Goanna	<i>Varanus varius</i>	2005	5	-	VU	-	-	3
Samphire Skink	<i>Morethia adelaidensis</i>	1963	1	-	EN	L	-	4
Brown Toadlet	<i>Pseudophryne bibronii</i>	2001	17	-	EN	L	DD	4
REGIONAL SIGNIFICANCE								
Fat-tailed Dunnart	<i>Sminthopsis crassicaudata</i>	2008	6	-	NT	-	-	4
Eastern Pygmy-possum	<i>Cercartetus nanus</i>	1965	2	-	NT	I	-	4
Brown Quail	<i>Coturnix ypsilophora australis</i>	1985	1	-	NT	-	-	4
Spotted Harrier	<i>Circus assimilis</i>	1995	1	-	NT	-	-	4
Black-eared Cuckoo	<i>Chrysococcyx osculans</i>	1980	1	-	NT	-	-	3
Black-chinned Honeyeater	<i>Melithreptus gularis gularis</i>	2006	29	-	NT	-	-	2
Bearded Dragon	<i>Pogona barbata</i>	2001	3	-	DD	-	-	1
Woodland Blind Snake	<i>Ramphotyphlops proximus</i>	1976	2	-	NT	-	-	3

Data source: Victorian Biodiversity Atlas (DSE 2011b); Victorian Fauna Database (Viridans 2011b) Protected Matters Search Tool (SEWPac 2011).

Taxonomic order: Mammals (Strahan 1995 *in* Menkhorst & Knight 2004); Birds (Christidis & Boles, 2008); Reptiles and Amphibians (Cogger et al. 1983 *in* Cogger 1996); Fish (Nelson 1994); Mussels & Crustaceans (Alphabetical); Invertebrates (Alphabetical).