

LOT 3 SCIANO AVENUE, SUCCESS

LEVEL 1 FLORA, VEGETATION AND FAUNA SURVEY

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The logo for PGV Environmental is located at the bottom of the page. It features the letters 'PGV' in a large, bold, white sans-serif font. Below 'PGV', the word 'ENVIRONMENTAL' is written in a smaller, white, all-caps sans-serif font. The background of the bottom half of the page is a vibrant orange with a subtle, curved white line that sweeps across the width of the page, creating a sense of movement and design.

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1 INTRODUCTION

1.1 Site Location

Lot 3 Sciano Avenue, Success (the site) is approximately 4.3ha in size and is located in the suburb of Success in the City of Cockburn approximately 20km south of the Perth Central Business District (Figure 1). The site is bounded by Sciano Avenue to the north, a special rural lot to the east, undeveloped land along most of the western boundary, and urban development along the remainder of the western boundary and to the south (Figure 2).

1.2 Background

The site is an undeveloped portion of land which is proposed to be developed as an urban residential development. A Local Structure Plan for the site has been prepared by MW Urban (Appendix 1) that shows the site subdivided to provide 87 lots, road reserves and a 4,996m² Public Open Space (POS) in the south-eastern part of the site. The proposed development would result in the clearing of the vegetation on the site.

The site is zoned 'Urban' under the Metropolitan Region Scheme (MRS) and 'Residential' (R30) under the City of Cockburn Town Planning Scheme No. 3 (WAPC, 2002).

1.3 Scope of Works

1.3.1 Level 1 Flora and Vegetation Survey

The Level 1 Flora survey was undertaken in accordance with EPA Guidance Statement 51: *Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment in Western Australia* (EPA, 2004a) and included the following:

- Desktop search and review of DPaW's Declared Rare and Priority Flora database and Threatened Ecological Communities database; and
- A reconnaissance survey to verify the accuracy of the database searches and to assess overall vegetation type and condition.

The Lot that adjoins the site to the east has bushland in the southern half. The bushland within 100m of Lot 3 was included in this survey as the vegetation will need to be cleared for the purposes of fire management for the development as shown in the Bushfire Hazard Assessment (BioDiverse Solutions, 2014)

1.3.2 Targeted Search for Rare Flora

The results of the Level 1 Flora Survey indicated the potential for *Caladenia huegelii* (Grand Spider Orchid) to be present on the site. This species flowers in Mid-September to mid-October. The site was surveyed by Dr Paul van Der Moezel to identify if the species was present on the site and to record any other conservation significant species that were opportunistically sighted.

1.3.3 Level 1 Fauna Survey

The Level 1 fauna survey was undertaken in accordance with Guidance Statement 56: *Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia* (EPA, 2004b). The survey included:

- A search of the DPaW's NatureMap for the general area for Threatened and Priority Species;
- A search of the Commonwealth Government's database of fauna of national environmental significance to identify species potentially occurring within the area that are protected under the *Environment Protection and Biodiversity Conservation (EPBC) Act 1999* or international migratory bird agreements (JAMBA/CAMBA);
- A review of the significance of the site for conservation significant species in a local and regional context;
- A reconnaissance site visit to assess the condition and quality of available fauna habitat;
- Identification of potential impacts/risks to fauna from proposed vegetation clearing; and
- Recommendations that will avoid, mitigate or minimise impacts on fauna and fauna habitat, including specially protected fauna.

2 EXISTING ENVIRONMENT

2.1 Past and Existing Land Use

Historical aerial photography shows the site was almost completely vegetated in 1953 although the southern portion appears to have been burnt. There are a few tracks which may be related to stock grazing on the site (Plate 1).

Plate 1: Aerial Photography from 1953 (Landgate, 2014a)



The 1974 aerial photograph shows the vegetation on the site has been significantly impacted with large amounts of disturbance and an increased number of tracks (Plate 2).

Plate 2: Aerial Photography from 1974 (Landgate, 2014a)



The 1985 aerial photography shows the site had been completely cleared (Plate 3). The lot to the east has some tracks and a house but otherwise remains uncleared.

Plate 3: Aerial Photography from 1985 (Landgate, 2014a)



The native vegetation that currently occurs on the site (see Section 3) has all regenerated naturally over the last 30 years or so.

2.2 Topography

The site is gently undulating with a high point in the centre of the site that is likely to be the highest elevation in the suburb of Success. The site ranges from 39m Australian Height Datum (AHD) to 47m AHD (DoW, 2014a) (Figure 2).

2.3 Geology and Soils

The site is mapped as part of the Bassendean System, the oldest of the three dune systems on the Swan Coastal Plain (Bolland, 1998). The Bassendean System consists of very low relief, leached, grey siliceous Pleistocene sand dunes, intervening sandy and clayey swamps and gently undulating plains. These occur immediately west of, and partly overlie, the Pinjarra Plain. These soils are very leached, infertile and mildly acidic (DAFWA, 2014).

The soil on the site has been described by the Department of Agriculture and Food Western Australia (DAFWA) as Bassendean B1 Phase (212Bs_B1) and are described as deep bleached grey sands sometimes with a pale yellow B horizon or a weak iron-organic hardpan at depths generally greater than 2m. These soils occur on extremely low to very low relief dunes, undulating sandplain and discrete sand rises (DAFWA, 2014).

Acid sulphate soils (ASS) are wetland soils and unconsolidated sediments that contain iron sulphides which, when exposed to atmospheric oxygen in the presence of water, form sulphuric acid. ASS

form in protected low energy environments such as barrier estuaries and coastal lakes and commonly occurs in low-lying coastal lands such as Holocene marine muds and sands. When disturbed, these soils are prone to produce sulphuric acid and mobilise iron, aluminium, manganese and other heavy metals. The release of these reaction products can be detrimental to biota, human health and built infrastructure. The ASS Risk on the site has been mapped by the Department of Environmental Regulation (DER) (Landgate, 2014b) as being Moderate to Low (<3m from the surface). PGV Environmental would agree with this rating given the absence of wetlands and overall high, dry sandy environment.

2.4 Hydrology

2.4.1 Groundwater

The groundwater under the site has geological formations that have been grouped into three distinct aquifers:

- Superficial Aquifer (unconfined);
- Leederville Aquifer (confined); and
- Yarragadee north (confined) (DoW, 2014a).

The Superficial Aquifer is part of the Jandakot Mound and the Kardinya Shale Member of the Osborne Formation separates this from the Leederville Aquifer (DoW, 2014a).

Groundwater flows from the south-east to the north-west of the site. The Perth Groundwater Atlas (DoW, 2014b) shows a snapshot of groundwater levels as measured in May 2003 which are an indication of low groundwater levels and are measured at 22mAHD under the site. The historical maximum groundwater level under the site is at 25mAHD. The depth to groundwater from the natural surface ranges from approximately 17 to 25m (DoW, 2014b).

2.4.2 Surface Water

The soils on the site are sandy and free draining and surface water run-off the site would be minimal. There are no wetlands on the site.

3 FLORA AND VEGETATION

3.1 Methodology

Desktop studies were undertaken to identify potential threatened species and communities that may occur on the site. A site reconnaissance was conducted by Dr Paul van der Moezel on 25 July 2014. The inspection included a thorough walk over the site. Given the size of the site, open understorey and ease of access, site coverage was high.

The Targeted Rare Flora Search was undertaken on 18 September 2014 by Dr Paul van der Moezel. The site was traversed on foot in transects approximately 20m apart. The vegetation was mostly easy to walk through and the low nature of most of the understorey made for good conditions to look for orchid flowers.

3.2 Desktop Studies

3.2.1 Bioregional Data

The site is in the Southwest Botanical Province within the South West Bioregion. The vegetation is mapped as Beard vegetation type e2Mb cbLi which is described as “Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina” (Beard, 1990).

3.2.2 Flora Database Searches

A search of the DPaW Threatened Flora Database (DEFL), the WA Herbarium database (WAHerb), the Declared Rare and Priority Flora Species List (TFPL) (Appendix 2), Naturemap (Appendix 3) and the *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act) Protected Matters Search Tool (Appendix 4) indicates that a number of species that are listed as Endangered, Threatened or Priority have been located within a 5km radius of the site. The results from these database searches are shown in Table 1.

Table 1: Conservation Significant Flora known to occur near the Site

Species	Common Name	Status Under Wildlife Conservation Act 1950	Status Under EPBC Act 1999
<i>Andersonia gracilis</i>	Slender Andersonia	Threatened	Endangered
<i>Caladenia huegelii</i>	Grand Spider Orchid	Threatened	Endangered
<i>Centrolepis caespitosa</i>		Priority 4	Endangered
<i>Darwinia foetida</i>	Muchea Bell	Threatened	Critically Endangered
<i>Diuris micrantha</i>	Dwarf Bee-orchid	Threatened	Vulnerable
<i>Diuris purdiei</i>	Purdie’s Donkey Orchid	Threatened	Endangered
<i>Drakaea elastica</i>	Glossy-leaved Hammer Orchid	Threatened	Endangered
<i>Drakaea micrantha</i>	Dwarf Hammer Orchid	Threatened	Endangered
<i>Lepidosperma rostratum</i>	Beaked Lepidosperma	Threatened	Endangered

Species	Common Name	Status Under Wildlife Conservation Act 1950	Status Under EPBC Act 1999
<i>Acacia lasiocarpa</i> var. <i>bracteolata</i> long peduncle variant (G.J. Keighery 5026)		Priority 1	
<i>Byblis gigantea</i>	Rainbow Plant	Priority 3	
<i>Cyathochaeta teretifolia</i>		Priority 3	
<i>Jacksonia gracillima</i>		Priority 3	
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		Priority 3	
<i>Pimelea calcicola</i>		Priority 3	
<i>Stylidium longitubum</i>	Jumping Jacks	Priority 3	
<i>Stylidium paludicola</i>		Priority 3	
<i>Thelymitra variegata</i>	Queen of Sheba	Priority 3	
<i>Dodonaea hackettiana</i>	Hackett's Hopbush	Priority 4	
<i>Microtis quadrata</i>	South Coast Mignonette Orchid	Priority 4	
<i>Tripterococcus paniculatus</i>		Priority 4	
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		Priority 4	

Definitions of the Conservation Codes are in Appendix 5.

Table 2 examines the preferred habitat of each species and the likelihood of the species listed in Table 1 to occur on the site. Many of the species identified occur in wetland areas so have been determined as not being present on the site.

Table 2: Likelihood of Identified Significant Flora Species occurring on the Site

Scientific Name	Preferred Habitat	Likelihood of Presence on site
<i>Andersonia gracilis</i>	White/grey sand, sandy clay, gravelly loam near winter wet swamps	Highly Unlikely
<i>Caladenia huegelii</i>	Sand or clay loam. Does not survive in disturbed areas.	Possible
<i>Centrolepis caespitosa</i>	White sand, clay. Salt flats, wet areas	No
<i>Darwinia foetida</i>	Grey-white sand on swampy, seasonally wet sites	No
<i>Diuris micrantha</i>	Brown loamy clay. Winter-wet swamps, in shallow water	No
<i>Diuris purdiei</i>	Grey-black sand, moist. Winter-wet swamps	No
<i>Drakaea elastica</i>	Low-lying situations adjoining winter-wet swamps. Does not survive in disturbed areas	No
<i>Drakaea micrantha</i>	Usually found on cleared firebreaks or open sandy patches that have been disturbed in wetter soils.	Highly Unlikely
<i>Lepidosperma rostratum</i>	Peaty and clay soils	No

Scientific Name	Preferred Habitat	Likelihood of Presence on site
<i>Byblis gigantea</i>	Sandy-peat swamps in seasonally wet areas	No
<i>Cyathochaeta teretifolia</i>	Grey sand, sandy clay. Swamps, creek edges	No
<i>Jacksonia gracillima</i>	Grey and brown well-drained sand	Possible
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>	White or grey sand, lateritic gravel	Possible
<i>Pimelea calcicola</i>	Sand. Coastal limestone ridges	Unlikely
<i>Thelymitra variegata</i>	Sandy clay, sand, laterite	Unlikely
<i>Stylidium longitubum</i>	Sandy clay, clay. Seasonal wetlands	No
<i>Stylidium paludicola</i>	Swampy areas	No
<i>Microtis quadrata</i>	Wetlands, sandy/clay loam and peaty soils	No
<i>Tripterococcus paniculatus</i>	Grey, black or peaty sand. Winter-wet flats	No
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>	Grey, black or peaty sand. Winter-wet depressions	No

* sourced from Florabase (DPaW, 2014), DoE SPRAT Database (DoE, 2014) as well as the DPaW database searches.

3.2.3 TEC/PEC Database Searches

A search of DPaW's Threatened (TEC) and Priority Ecological Communities (PEC) database was conducted for the site (15-0714EC). No TECs were identified in the database search and three Priority 3 Ecological Communities were identified. The communities were:

- Northern Spearwood shrublands and woodlands (SCP24);
- *Banksia ilicifolia* woodlands (SCP22); and
- Low lying *Banksia attenuata* woodlands or shrublands (SCP21c).

3.3 Site Reconnaissance

3.3.1 Flora

One Threatened and two Priority flora species have the potential to occur on the site given the soil types and landform. The Threatened species is the Grand Spider Orchid (*Caladenia huegelii*) which occurs in the region on sandy soils. *Caladenia huegelii* is an ephemeral species that can only be identified when it is in flower which is from mid-September to mid-October. However, the characteristic *Caladenia* leaves would have been observable during the July site reconnaissance. No *Caladenia* leaves from any species were observed on the site. No other early flowering orchids such as Greenhoods or Donkey Orchids which could have been flowering in late July were also observed.

Given that the site was completely cleared sometime around 1985 the absence of orchid species on the site is not unexpected.

The two Priority species, *Jacksonia gracillima* and *Phlebocarya pilosissima* subsp. *pilosissima* would have been recorded on the site if they had occurred. No specimens of either species was observed.

3.3.2 Targeted Search

A targeted flora survey was timed to occur in the flowering period of the Threatened orchid species *Caladenia huegelii*. The survey included walking along transects 20m apart on both Lot 3 and the adjoining lot.

No specimens of *Caladenia huegelii* or any other Threatened or Priority plant species were recorded during the survey. The following common orchid species were recorded:

- *Caladenia arenicola*
- *Caladenia flava*
- *Caladenia longicauda* subsp. *calcigena*
- *Diuris corymbosa*
- *Pterostylis vittata*

3.3.3 Vegetation Types

The northern part of the site consists primarily of an *Adenanthos cygnorum* (Woollybush) Shrubland over Veldt Grass (*Ehrharta calycina*) with scattered *Banksia attenuata*, *B. menziesii* and Jarrah (*Eucalyptus marginata*) (Plate 4). Overall the quality of the northern part was Degraded with some patches of better quality Good vegetation where shrubs species such as *Dasypogon bromeliifolius*, *Hibbertia hypericoides*, *Hypocalymma robustum*, *Conostephium pendulum*, *Persoonia comata* and *Anigozanthos manglesii* occur. Other common weed species included *Carpobrotus edulis*, *Gladiolus caryophyllaceus*, *Ursinia anthemoides* and *Hypochaeris glabra*.

Plate 4: *Adenanthos cygnorum* (Woollybush) over Veldt Grass



The vegetation on the southern part of the site is in better condition than the northern part with *Banksia attenuata*, *B. menziesii*, *Nuytsia floribunda* and *Eucalyptus tottiana* common trees among the Woollybush shrubs (Plate 5). No Jarrah was observed in the southern half. The understory is also in better condition with common species including *Lechenaultia floribunda*, *Scholtzia*

involucrata, *Hovea pungens* and *Hibbertia subvaginata*. Overall the southern half is considered in Good condition.

Plate 5: Banksia vegetation in the southern part of the site.



The vegetation on the lot to the east predominantly consists of Banksia woodland in Good to Very Good condition with a higher density of trees and better condition understorey. The structure and condition of the vegetation on this lot reflects the undisturbed nature of the vegetation compared to that of Lot 3 which was completely cleared around 30 years ago (Plate 6).

Plate 6: Banksia Woodland on Lot to the East



3.3.4 Vegetation Condition

The vegetation on the site has been historically disturbed by tracks and complete clearing around 30 years ago. The condition of the vegetation was assessed according to the system devised by Keighery and described in Bush Forever (Government of Western Australia, 2000) (Table 3).

Table 3: Vegetation Condition Rating Scale.

Condition	Description
Pristine	Pristine or nearly so, no obvious signs of disturbance.
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.
Very Good	Vegetation structure altered, obvious signs of disturbance. For example, disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging and grazing.
Good	Vegetation structure significantly altered by very obvious signs of multiple disturbance. Retains basic vegetation structure or ability to regenerate it. For example, disturbance to vegetation structure caused by very frequent fires, the presence of some very aggressive weeds at high density, partial clearing, dieback and grazing.
Degraded	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. For example, disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.
Completely Degraded	The structure of the vegetation is no longer intact and the area is completely or almost completely without native species. These are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees or shrubs.

Source: Government of Western Australia, 2000.

The condition of the vegetation was considered to be Degraded to Good over the northern part of the site and Good over the southern half. The low density of trees and abundance of weed species precluded the southern half being rated as Very Good.

The vegetation on the lot to the east is in Good to Very Good condition with a higher density of trees and better condition understorey reflecting the undisturbed nature of the vegetation from the house to the southern boundary.

3.3.5 Conservation Significance of Vegetation and Flora

No Declared Rare or Priority species were noted during the site visit however three conservation significant plant species were identified in the database search as potentially occurring on the site:

- *Caladenia huegelii* (Threatened);
- *Jacksonia gracillima* (Priority 3);
- *Phlebocarya pilosissima* subsp. *pilosissima* (Priority 3)

The two Priority listed species were not recorded on the site during the reconnaissance on Lot 3. The date of the site visit was too early to positively identify the Grand Spider Orchid (*Caladenia huegelii*) however no orchid leaves were observed and the complete clearing of the site around 30 years ago means that the presence of any orchid species is likely to be negligible. While a spring

survey to search for *Caladenia huegelii* flowers on Lot 3 should not be required it may be considered worthwhile to definitively determine the presence/absence of this species.

The potential presence of *Caladenia huegelii* on the adjoining lot is higher due to the undisturbed nature of the Banksia vegetation. However, given the small size of the vegetation that could be cleared for fire control, around 2ha, the chances of this species being on site would be very small. A targeted spring survey for this species should be carried out if the vegetation on the adjoining lot was proposed to be cleared.

The vegetation regenerating on the site is likely to be representative of Floristic Community Type 23a which is not a Threatened or Priority Ecological Community.

Targeted Rare Flora Search

4 FAUNA

4.1 Methodology

Desktop studies were undertaken to identify the fauna habitats on the site and any evidence of conservation significant species being present on the site. A site reconnaissance was conducted by PGV Environmental on 25 July 2012. The inspection included a thorough walk over the site. Given the size of the site, open understorey and ease of access, site coverage was high.

4.2 Database Search Results

A search of the DPaW Threatened Fauna Database (Appendix 6) indicates that 33 species that are listed as rare or priority have been located in the vicinity of the site. Eight additional species were identified in the Protected Matters Search Tool (Appendix 4). One additional species was identified in the Naturemap database search (Appendix 3). Table 4 lists the species identified in these database searches.

Table 4: List of Fauna Species Identified from Database Searches

Scientific Name	Common Name	Status under Wildlife Cons. Act	Status under EPBC Act
<i>Botaurus poiciloptilus</i>	Australasian Bittern	Schedule 1	Endangered
<i>Calidris ferruginea</i>	Curlew Sandpiper	Schedule 1	Marine/Migratory
<i>Calyptorhynchus banksii</i> subsp. <i>naso</i>	Forest Red-tailed Black-Cockatoo	Schedule 1	Vulnerable
<i>Calyptorhynchus latirostris</i>	Carnaby's Black Cockatoo (short-billed black-cockatoo)	Schedule 1	Endangered
<i>Dasyurus geoffroii</i>	Chuditch, Western Quoll	Schedule 1	Vulnerable
<i>Leipoa ocellata</i>	Malleefowl	Schedule 1	Vulnerable
<i>Myrmecobius fasciatus</i>	Numbat	Schedule 1	Vulnerable
<i>Perameles bougainville</i>	Western Barred Bandicoot, Marl	Schedule 1	Extinct
<i>Pogona minor</i> subsp. <i>minima</i>	Dwarf Bearded Dragon	Schedule 1	
<i>Pseudocheirus occidentalis</i>	Western Ringtail Possum	Schedule 1	Vulnerable
<i>Rostratula benghalensis</i>	Painted Snipe	Schedule 1	Vulnerable
<i>Setonix brachyurus</i>	Quokka	Schedule 1	Vulnerable
<i>Actitis hypoleucos</i>	Common Sandpiper	Schedule 3	Migratory/Wetlands
<i>Apus pacificus</i>	Fork-tailed Swift	Schedule 3	Migratory
<i>Ardea alba (modesta)</i>	Great Eastern Egret, White Egret	Schedule 3	Migratory/ Wetland
<i>Ardea ibis</i>	Cattle Egret	Schedule 3	Migratory/ Wetland
<i>Calidris acuminata</i>	Sharp-tailed Sandpiper	Schedule 3	Migratory/ Wetland

Scientific Name	Common Name	Status under Wildlife Cons. Act	Status under EPBC Act
<i>Calidris melanotos</i>	Pectoral Sandpiper	Schedule 3	Marine/Migratory
<i>Calidris ruficollis</i>	Red-necked Stint	Schedule 3	Marine/Migratory
<i>Calidris subminuta</i>	Long-toed Stint	Schedule 3	Marine/Migratory
<i>Charadrius dubius</i>	Little Ringed Plover	Schedule 3	Marine/Migratory
<i>Haliaeetus leucogaster</i>	White-bellied Sea-eagle	Schedule 3	Migratory
<i>Limosa limosa</i> subsp. <i>melanuroides</i>	Black-tailed Godwit	Schedule 3	Migratory/ Marine
<i>Merops ornatus</i>	Rainbow Bee-eater	Schedule 3	Migratory
<i>Pandion haliaetus</i>	Osprey		Marine/Migratory
<i>Plegadis falcinellus</i>	Glossy Ibis	Schedule 3	Marine/Migratory
<i>Pluvialis fulva</i>	Pacific Golden Plover	Schedule 3	Migratory/ Marine
<i>Pluvialis squatarola</i>	Grey Plover	Schedule 3	Migratory/ Marine
<i>Rostratula australis</i>	Australian Painted Snipe	Schedule 3	Vulnerable
<i>Tringa glareola</i>	Wood Sandpiper	Schedule 3	Marine/Migratory
<i>Tringa nebularia</i>	Common Greenshank	Schedule 3	Marine/Migratory
<i>Tringa stagnatilis</i>	Marsh Sandpiper	Schedule 3	Marine/Migratory
<i>Xenus cinereus</i> (AKA <i>Tringa cinerea</i>)	Terek Sandpiper	Schedule 3	Marine/Migratory
<i>Falco peregrinus</i>	Peregrine Falcon	Schedule 4	Marine/Migratory
<i>Throscodectes xiphos</i>	Cricket	Priority 1	
<i>Lerista lineata</i>	Perth Slider, Lined Skink	Priority 3	
<i>Neelaps calonotos</i>	Black-striped Snake	Priority 3	
<i>Falsistrellus mackenziei</i>	Western False Pipestrelle	Priority 4	
<i>Macropus irma</i>	Western Brush Wallaby	Priority 4	
<i>Synomen gratiosa</i>	Graceful Sun-moth	Priority 4	
<i>Isoodon obesulus</i> subsp. <i>fusciventer</i>	Quenda, Southern Brown Bandicoot	Priority 5	
<i>Macropus eugenii</i> subsp. <i>derbianus</i>	Tammar Wallaby	Priority 5	

DPaW classifies fauna under five different Priority codes and rare and endangered fauna are classified under the *Wildlife Conservation (Specially Protected Fauna) Notice 2008* into four schedules of taxa (DEC, 2011). These are outlined in Appendix 5.

4.3 Fauna Habitat

There are two fauna habitats described on the site including the adjoining lot. These are described as:

- Low Woodland; and
- Closed Grassland.

The majority site contains a Low Woodland of *Banksia* and Woollybush (*Adenanthos cygnorum*) (Plate 7). The Closed Grassland occurs predominantly in the northern part (Plate 8).

Plate 7: Low Woodland Habitat



Plate 8: Closed Grassland Habitat



Fauna habitat can be assessed using a number of factors including, the size of the habitat, the level of habitat connectivity, availability of specific resources (e.g. tree hollows) and overall vegetation quality. The habitat was assessed according to the following categories:

High quality fauna habitat – These areas closely approximate the vegetation mix and quality that would have been in the area prior to any disturbance. The habitat has connectivity with other habitats and is likely to contain the most natural vertebrate fauna assemblage.

Very good fauna habitat - These areas show minimal signs of disturbance (e.g. grazing, clearing, fragmentation, weeds) and generally retain many of the characteristics of the habitat if it had not been disturbed. The habitat has connectivity with other habitats and fauna assemblages in these areas are likely to be minimally effected by disturbance.

Good fauna habitat – These areas showed signs of disturbance (e.g. grazing, clearing, fragmentation, weeds) but generally retain many of the characteristics of the habitat if it had not been disturbed. The habitat has connectivity with other habitats and fauna assemblages in these areas are likely to be affected by disturbance.

Disturbed fauna habitat – These areas showed signs of significant disturbance. Many of the trees, shrubs and undergrowth are cleared. These areas may be in the early succession and regeneration stages. Areas may show signs of significant grazing, contain weeds or have been damaged by vehicle or machinery. Habitats are fragmented or have limited connectivity with other fauna habitats. Fauna assemblages in these areas are likely to differ significantly from what might be expected in the area had the disturbance not occurred.

Highly degraded fauna habitat – These areas often have a significant loss of vegetation, an abundance of weeds, and a large number of vehicle tracks or are completely cleared. Limited or no fauna habitat connectivity. Faunal assemblages in these areas are likely to be significantly different to what might have been in the area pre-disturbance. (Coffey Environments, 2009)

The areas of Closed Grassland and Open Woodland on the site are considered to be Disturbed Fauna Habitat as the site is in early regeneration stages and has limited linkage with surrounding bushland as it is surrounded by development.

4.4 Conservation Significant Species

Outlined below is a short description of each of the species that were identified in the DPaW database searches and Protected Matters Search Tool search in Table 5. The preferred habitat has been compared to the habitats on the site described above and the likelihood of each species to be

Table 5: Likelihood of Conservation Significant species being present on the site

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Botaurus poiciloptilus</i>	Australasian Bittern	The Australasian Bittern occurs mainly in densely vegetated freshwater wetlands and, rarely, in estuaries or tidal wetlands (DoE, 2014).	Highly Unlikely – No wetlands present
<i>Calidris ferruginea</i>	Curlew Sandpiper	Curlew Sandpipers mainly occur on intertidal mudflats in sheltered coastal areas, such as estuaries, bays, inlets and lagoons, and also around non-tidal swamps, lakes and lagoons near the coast, and ponds in saltworks and sewage farms (DoE, 2014)	Highly Unlikely – No wetlands present

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Calyptorhynchus banksii</i> subsp. <i>naso</i>	Forest Red-tailed Black-Cockatoo	Forest Red-tailed Black Cockatoos frequent the humid to sub-humid south-west of Western Australia from Gingin in the north, to Albany in the south and west to Cape Leeuwin and Bunbury (SEWPaC, 2012). It nests in tree hollows with a depth of 1-5m, that are predominately Marri (<i>Corymbia calophylla</i>), Jarrah (<i>Eucalyptus marginata</i>) and Karri (<i>E. diversicolor</i>) and it feeds primarily on the seeds of Marri.	Unlikely – Preferred foraging species not present on the site
<i>Calyptorhynchus latirostris</i>	Carnaby's Black Cockatoo (short-billed black-cockatoo)	Carnaby's Cockatoo is found in the south-west of Australia from Kalbarri through to Ravensthorpe. It has a preference for feeding on the seeds of <i>Banksia</i> , <i>Dryandra</i> , <i>Hakea</i> , <i>Eucalyptus</i> , <i>Grevillea</i> , <i>Pinus</i> and <i>Allocasuarina</i> spp. It is nomadic often moving toward the coast after breeding. It breeds in tree hollows that are 2.5 – 12m above the ground and have an entrance 23-30cm with a depth of 1-2.5m. Nesting mostly occurs in smooth-barked trees (e.g. Salmon Gum, Wandoo, Red Morrell) (SEWPaC, 2012)	Possible – feeding habitat present on the site
<i>Dasyurus geoffroii</i>	Chuditch, Western Quoll	The Chuditch have been known to occupy a wide range of habitats including woodlands, dry sclerophyll forests, riparian vegetation, beaches and deserts. They are opportunistic feeders, and forage on the ground at night, feeding on invertebrates, small mammals, birds and reptiles (DoE, 2014).	Highly Unlikely – the site is too disturbed and there is a lack of recent records
<i>Leipoa ocellata</i>	Malleefowl	Malleefowl have been found in mallee regions of southern Australia from approximately the 26th parallel of latitude southwards in mallee bushland (DoE, 2014).	Highly Unlikely – there is no mallee habitat on the site
<i>Myrmecobius fasciatus</i>	Numbat	Numbats occur in eucalypt forests and woodlands dominated by <i>Eucalyptus marginata</i> , <i>Eucalyptus calophylla</i> and <i>Eucalyptus wandoo</i> (DoE, 2014).	Highly Unlikely – this species is thought to be locally extinct
<i>Perameles bougainville</i>	Western Barred Bandicoot, Marl	The Western Barred Bandicoot is considered to be extinct in the wild on Mainland Australia since the 1930's and prefer densest scrub, thickets of the seedling <i>Casuarinae</i> being its favourite resort (Richards, 2012).	Highly Unlikely – this species is thought to be locally extinct
<i>Pogona minor</i> subsp. <i>minima</i>	Dwarf Bearded Dragon	Extremely rare this species is thought to be possibly present on the Abrolhos Islands only (AROD, 2014a).	Highly Unlikely – this species is thought to be locally extinct
<i>Pseudocheirus occidentalis</i>	Western Ringtail Possum	The Western Ringtail Possum is a medium sized nocturnal marsupial. This species occurs in and near coastal Peppermint Tree (<i>Agonis flexuosa</i>) forest and Tuart (<i>Eucalyptus gomphocephala</i>) dominated forest with a Peppermint Tree understorey (DoE, 2014).	Highly Unlikely – the habitat on the site is not preferred by this species
<i>Rostratula benghalensis</i>	Painted Snipe	The Painted Snipe predominately occurs on the eastern coast of Australia and inhabits inland and coastal shallow ephemeral and permanent freshwater wetlands particularly where there is a cover of vegetation, including grasses (DoE, 2014).	Highly Unlikely – No wetlands present

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Setonix brachyurus</i>	Quokka	Quokkas were originally very common on the Swan Coastal Plain, however, their distribution is now limited to Rottnest Island and a few isolated areas in the south-west of WA. On the mainland, they prefer densely vegetated areas around wetlands and streams, whereas on Rottnest Island they inhabit low scrubby coastal vegetation where water is not readily available year-round (DoE, 2014).	Highly Unlikely – this species is thought to be locally extinct
<i>Actitis hypoleucos</i>	Common Sandpiper	The Common Sandpiper is mostly found around muddy margins or rocky shores. Generally the species forages in shallow water and on bare soft mud at the edges of wetlands (DoE, 2014).	Highly Unlikely – No wetlands present
<i>Apus pacificus</i>	Fork-tailed Swift	The Fork-tailed Swift is almost exclusively aerial and is not known to breed in Australia. They are seen in inland plains but sometimes above foothills or in coastal areas. They often occur over cliffs and beaches and also over islands and sometimes well out to sea. They also occur over settled areas, including towns, urban areas and cities (DoE, 2014).	Highly Unlikely – may fly over the site but unlikely to land
<i>Ardea alba (modesta)</i>	Great Eastern Egret, White Egret	The Eastern Great Egret has been reported in a wide range of wetland habitats and usually frequents shallow waters (DoE, 2014). This species feeds on fish, insects, crustaceans, molluscs, frogs, lizards, snakes and small birds and mammals (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Ardea ibis</i>	Cattle Egret	The Cattle Egret occurs in tropical and temperate grasslands, wooded lands and terrestrial wetlands with breeding in Western Australia recorded in the far north in Wyndham in colonies in wooded swamps such as mangrove forests (DoE, 2014). This species forages away from water on low lying grasslands, improved pastures and croplands generally in areas that have livestock eating insects, frog, lizards and small mammals (DoE, 2014).	Highly Unlikely – No pasture and disturbed
<i>Calidris acuminata</i>	Sharp-tailed Sandpiper	The Sharp-tailed Sandpiper prefers muddy edges of shallow fresh or brackish wetlands, with inundated or emergent sedges, grass, saltmarsh or other low vegetation (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Calidris melanotos</i>	Pectoral Sandpiper	The Pectoral Sandpiper prefers shallow fresh to saline wetlands and is found at coastal lagoons, estuaries, bays, swamps, lakes, inundated grasslands, saltmarshes, river pools, creeks, floodplains and artificial wetlands (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Calidris ruficollis</i>	Red-necked Stint	The Red-necked Stint is mostly found in coastal areas, including in sheltered inlets, bays, lagoons and estuaries with intertidal mudflats, often near spits, islets and banks and, sometimes, on protected sandy or coralline shores (DoE, 2014)	Highly Unlikely – No coastal habitat
<i>Calidris subminuta</i>	Long-toed Stint	The Long-toed Stint prefers shallow freshwater or brackish wetlands including lakes, swamps, river floodplains, streams, lagoons and sewage ponds. The species is also fond of areas of muddy shoreline, growths of short grass, weeds, sedges, low or floating aquatic vegetation, reeds, rushes and occasionally stunted samphire (DoE, 2014).	Highly Unlikely – No wetlands present

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Charadrius dubius</i>	Little Ringed Plover	The Little-ringed Plover prefers bare or sparsely vegetated sandy and pebbly shores of shallow standing freshwater pools, lakes or slow-flowing rivers (Birdlife, 2014)	Highly Unlikely – No wetlands present
<i>Haliaeetus leucogaster</i>	White-bellied Sea-eagle	The White-bellied Sea-Eagle is found in coastal habitats with large areas of open water, especially those close to the sea-shore. This species feeds opportunistically on a variety of fish, birds, reptiles, mammals and crustaceans, and on carrion and offal (DoE, 2014).	Highly Unlikely – No wetlands present
<i>Limosa limosa</i> subsp. <i>melanuroides</i>	Black-tailed Godwit	The Black-tailed Godwit is found mainly in coastal habitats such as large intertidal sandflats, banks, mudflats, estuaries, inlets, harbours, coastal lagoons and bays. It is found often around beds of seagrass and, sometimes, in nearby saltmarsh (DoE, 2014).	Highly Unlikely – Not coastal habitat
<i>Merops ornatus</i>	Rainbow Bee-eater	Populations that breed in northern Australia are considered to be resident, and in many northern localities the Rainbow Bee-eater is present throughout the year (DoE, 2014). The Rainbow Bee-eater nests in a burrow dug in the ground. It is found across the better-watered parts of WA including islands preferring lightly wooded, sandy country near water (DoE, 2014).	Unlikely – may be an intermittent visitor to the site but unlikely to rely on it for survival
<i>Pandion haliaetus</i>	Osprey	Ospreys occur in littoral and coastal habitats and terrestrial wetlands of tropical and temperate Australia and offshore islands. They feed on fish, especially mullet where available, and rarely take molluscs, crustaceans, insects, reptiles, birds and mammals (DoE, 2014).	Highly Unlikely – Not coastal habitat
<i>Plegadis falcinellus</i>	Glossy Ibis	The Glossy Ibis is the smallest ibis known in Australia. This species preferred habitat for foraging and breeding are fresh water marshes at the edges of lakes and rivers, lagoons, flood-plains, wet meadows, swamps, reservoirs, sewage ponds, rice-fields and cultivated areas under irrigation (DoE, 2014).	Highly Unlikely – No wetlands present
<i>Pluvialis fulva</i>	Pacific Golden Plover	Pacific Golden Plovers usually occur on beaches, mudflats and sandflats (sometimes in vegetation such as mangroves, low saltmarsh such as <i>Sarcocornia</i> , or beds of seagrass) in sheltered areas including harbours, estuaries and lagoons, and also in evaporation ponds in saltworks (DoE, 2014)	Highly Unlikely – Not coastal habitat
<i>Pluvialis squatarola</i>	Grey Plover	Grey Plovers occur almost entirely in coastal areas, where they usually inhabit sheltered embayments, estuaries and lagoons with mudflats and sandflats, and occasionally on rocky coasts with wave-cut platforms or reef-flats, or on reefs within muddy lagoons (DoE, 2014)	Highly Unlikely – Not coastal habitat
<i>Rostratula australis</i>	Australian Painted Snipe	The Australian Painted Snipe is a stocky wading bird that generally inhabits shallow terrestrial freshwater (occasionally brackish) wetlands, including temporary and permanent lakes, swamps and claypans (DoE, 2014).	Highly Unlikely – No wetlands present

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Tringa glareola</i>	Wood Sandpiper	The Wood Sandpiper uses well-vegetated, shallow, freshwater wetlands, such as swamps, billabongs, lakes, pools and waterholes. They are typically associated with emergent, aquatic plants or grass, and dominated by taller fringing vegetation, such as dense stands of rushes or reeds, shrubs, or dead or live trees, especially Melaleuca and River Red Gums Eucalyptus camaldulensis and often with fallen timber (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Tringa nebularia</i>	Common Greenshank	The Common Greenshank is a wader and does not breed in Australia. This species can be found in many types of wetlands and has the widest distribution of any shorebird in Australia. This species typically feeds on molluscs, crustaceans, insects, and occasionally fish and frogs (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Tringa stagnatilis</i>	Marsh Sandpiper	The Marsh Sandpiper lives in permanent or ephemeral wetlands of varying salinity, including swamps, lagoons, billabongs, salt pans, saltmarshes, estuaries, pools on inundated floodplains, and intertidal mudflats and also regularly at sewage farms and saltworks (DoE, 2014).	Highly Unlikely – No wetlands present
<i>Xenus cinereus</i> (AKA <i>Tringa cinerea</i>)	Terek Sandpiper	The Terek Sandpiper mostly forages in the open, on soft wet intertidal mudflats or in sheltered estuaries, embayments, harbours or lagoons. The species has also been recorded on islets, mudbanks, sandbanks and spits, and near mangroves and occasionally in samphire (<i>Halosarcia</i> spp.) (DoE, 2014)	Highly Unlikely – No wetlands present
<i>Falco peregrinus</i>	Peregrine Falcon	The Peregrine Falcon is found in a variety of habitats but nests on high cliff ledges or artificial structures. It feeds primarily on small-medium sized birds, but occasionally taking insects, such as moths, cicadas and locusts (Birdlife, 2012).	Highly Unlikely – may fly over the site but unlikely to be present of any length of time
<i>Throscodectes xiphos</i>	Cricket	This species of cricket was described in the Jandakot region in <i>Melaleuca</i> dominated vegetation (ENV, 2009).	Highly Unlikely – vegetation type is not the described habitat for this species
<i>Lerista lineata</i>	Perth Slider, Lined Skink	The Lined Skink is a burrowing species that occurs in pale sandy soils with coastal heath and shrubland areas in isolated populations in the south-west and mid-west coast of Western Australia. It feeds on termites and other small insects (AROD, 2014b).	Possible
<i>Neelaps calonotos</i>	Black-striped Snake	The Black-striped snake has a limited distribution, inhabiting areas with sandy soils that support heathlands and Banksia/Eucalypt Woodlands (Nevill, 2005) on the Swan Coastal Plain generally in the lower west coast from Lancelin to Mandurah (Storr et al, 1999).	Possible

Scientific Name	Common Name	Habitat	Likelihood to occur on the site
<i>Falsistrellus mackenziei</i>	Western False Pipestrelle	This species occurs in high rainfall Jarrah, Karri and Tuart forests and coastal woodlands. They roost in hollows of trees, branches and stumps, and are insectivorous, feeding at night between the canopy and understorey of tall forest trees (Environment Australia, 1999).	Highly Unlikely – the habitat on the site is not the preferred forest habitat of this species
<i>Macropus irma</i>	Western Brush Wallaby	The Western Brush Wallaby is a medium sized marsupial and its optimum habitat is open forest or woodland, particularly favouring open, seasonally wet flats with low grasses and open scrubby thickets (DEC, 2012a).	Highly Unlikely – the site is small and surrounded by development
<i>Synomen gratiosa</i>	Graceful Sun-moth	The Graceful Sun-moth is a diurnal moth with dull coloured brown to black forewings and brightly coloured orange hind wings. The larvae burrow into the rhizomes of <i>Lomandra maritima</i> and <i>Lomandra hermaphrodita</i> exclusively and therefore require the presence of one or both of these species to be present in an area (Bishop et al., 2011).	Highly Unlikely – the Lomandra species that provided habitat was not present on the site
<i>Isoodon obesulus</i> subsp. <i>fusciventer</i>	Quenda, Southern Brown Bandicoot	Southern Brown Bandicoots are small grey marsupials that prefer dense scrub (up to one metre high), often in or near swampy vegetation. Their diet includes invertebrates (including earthworms, adult beetles and their larvae), underground fungi, subterranean plant material, and very occasionally, small vertebrates (DEC, 2011b)	Possible – however no conical diggings typical to this species were present on the site.
<i>Macropus eugenii</i> subsp. <i>derbianus</i>	Tammar Wallaby	The Tammar Wallaby prefers dense, low vegetation for daytime shelter and open grassy areas for feeding. This species inhabits coastal scrub, heath, dry sclerophyll forest and thickets in mallee and woodland (DEC, 2012c).	Highly Unlikely – the site is small and disturbed and the habitat on the site is not the preferred habitat of this species.

Species identified in the database searches possibly present on the site were:

- *Calyptorhynchus latirostris* (Carnaby's Black Cockatoo (short-billed black-cockatoo));
- *Lerista lineata* (Perth Slider, Lined Skink);
- *Neelaps calonotos* (Black-striped Snake); and
- *Isoodon obesulus* subsp. *fusciventer* (Quenda, Southern Brown Bandicoot).

Merops ornatus (Rainbow Bee-eater) is identified as possible intermittent visitor to the site.

Carnaby's Black Cockatoos have been recorded during other fauna surveys in the general area. Evidence of this species feeding on-site was also observed (Plate 9).

Plate 9: Banksia cone that has been chewed by Carnaby's Black Cockatoos



The Black Cockatoo species are defined as a Matter of National Environmental Significance (MNES) under the Commonwealth *Environment Protect and Biodiversity Conservation Act, 1999* (EPBC Act). Referral of a project under the act is required if a proposal is going to have a significant impact on a MNES.

The *EPBC Act referral guidelines for three threatened black cockatoo species: Carnaby's cockatoo (endangered) Calyptorhynchus latirostris Baudin's cockatoo (vulnerable) Calyptorhynchus baudinii and Forest red-tailed black cockatoo (vulnerable) Calyptorhynchus banksii naso* (SEWPaC, 2012) (Black Cockatoo Guidelines) contain several steps to determine whether a referral is required or not. The site does not contain large trees that are breeding, potential breeding or roosting habitat under the guidelines so there is no risk of a significant impact under the guidelines. The site does contain foraging habitat for Carnaby's Black Cockatoos in the form of Banksias on the site.

According to Table 3 in the Black Cockatoo Referral Guidelines the clearing of more than 1ha of quality foraging habitat has a high risk of causing a significant impact. Degradation of more than 1ha of habitat by such things as altered hydrology or fire regimes has an uncertain risk. The significance of degradation depends on the type of degradation and the quality of the habitat.

The Black Cockatoo Referral Guidelines do not specify what constitutes 'quality' foraging habitat apart from stating that it refers to the use of the habitat by Black Cockatoos rather than the overall quality of the vegetation which would normally be described using understorey as well as tree canopy. The Banksia trees on the site would generally be considered a high quality foraging habitat species however the density of the Banksias is very low and the overall quality of the site for Carnaby's Cockatoo foraging would be moderate. The site is likely to contain around 2ha of Banksia trees in low density which is more than 1ha of foraging habitat that is considered highly likely to have a significant impact according to the referral guidelines. As a result, the outcome of applying the Referral Guidelines is that the proposal should be referred to the Department of the

Environment under the EPBC Act. However, recent evidence indicates that referrals of developments that propose to clear less around 2ha of foraging habitat have been considered by the Department of the Environment in Canberra to not be significant and therefore not require a full environmental assessment. If the adjoining lot were to be completely cleared for fire management purposes then a further 2ha of foraging habitat would be cleared. The addition of a further 2ha of clearing of foraging habitat would increase the risk slightly of the clearing requiring a full assessment under the EPBC Act.

4.5 Biodiversity Value

The EPA's (2002) *Terrestrial Biological Surveys as an Element of Biodiversity Protection Position Statement No. 3* indicated an ecological assessment of a site must consider its biodiversity value at the genetic, species and ecosystem levels; and its ecological functional value at the ecosystem level.

From a fauna perspective, the vegetation within the site is considered to be mostly Disturbed Fauna Habitat as the over-storey is denser and more intact although they are not connected to any other areas of native vegetation. The Banksias on the site may provide foraging and breeding habitat for some avifauna species. However, there is likely to be a paucity of native mammals and reptiles present as a result of the lack of linkage and the likely prevalence of introduced feral species such as foxes and rabbits. Evidence of rabbits including diggings and scat were observed on the site (Plate 10).

Plate 10: Evidence of rabbits on the site.



Domestic predators such as cats in the area would also impact on the fauna assemblage on the site.

It is not possible to assess the biodiversity value at a genetic level based on the information available, however due to the degraded nature of the site and the lack of large isolated high quality

habitat biodiversity value at the genetic level is highly unlikely to be impacted as a result of developing the site.

5 SUMMARY AND CONCLUSIONS

This Level 1 Flora, Vegetation and Fauna Assessment concludes the vegetation on Lot 3 Sciano Road and 100m strip to the east of the lot on the adjoining property has the following characteristics:

- The site has Bassendean soils and a Moderate to low risk of Acid Sulphate Soils which will need to be investigated and managed during construction;
- Groundwater and surface water are not a constraint to development and is likely to be managed under an Urban Water Management Plan at subdivision in accordance with *Better Urban Water Management* (WAPC, 2008);
- Lot 3 has been completely cleared about 30 years ago while the adjoining lot remains uncleared apart from the house and surrounds at the northern end;
- Analysis of the database searches identified the following as possibly present on the site:
 - *Caladenia huegelii* (Threatened);
 - *Jacksonia gracillima* (Priority 3); and
 - *Phlebocarya pilosissima* subsp. *pilosissima* (Priority 3).
- A targeted spring survey for *Caladenia huegelii* as well as the two Priority flora species was undertaken on 19 September 2014 on Lot 3 and the adjoining lot. No Threatened or Priority flora species were recorded;
- The vegetation on the site is described as:
 - Woollybush (*Adenanthos cygnorum*) over Veldtgrass for the majority of the site with scattered stands of *Banksia attenuata*, *B. menziesii* and occasional Jarrah (*Eucalyptus marginata*), Christmas Tree (*Nuytsia floribunda*) and *Eucalyptus todtiana*. The understorey in the southern half in particular was reasonably diverse especially given that the whole site was completely cleared around 30 years ago;
- The vegetation condition on the site is:
 - Degraded to Good on the northern half of Lot 3;
 - Good on the southern half of Lot 3;
 - Very Good on the adjoining lot between the house and the southern boundary.
- The vegetation regenerating on the site is likely to be representative of Floristic Community Type 23a which is not a Threatened or Priority Ecological Community;
- Fauna species identified in the database searches possibly present on the site were:
 - *Calyptorhynchus latirostris* (Carnaby's Black Cockatoo (short-billed black-cockatoo));
 - *Lerista lineata* (Perth Slider, Lined Skink);
 - *Neelaps calonotos* (Black-striped Snake); and
 - *Isoodon obesulus* subsp. *fusciventer* (Quenda, Southern Brown Bandicoot).
- Carnaby's Black Cockatoo is protected under the EPBC Act and the proposed development of Lot 3 is not likely to have a Significant Impact on the species as identified By the Significant Impact Guidelines. Referral may be recommended due to the proposed clearing of more than 1ha of foraging habitat as per the Black Cockatoo Referra Guidelines. The likely outcome of a referral is considered to not require further assessment given the size of the foraging habitat (approximately 2ha) and recent outcomes for similar referrals under the EPBC Act. If 100m of the adjoining lot were to be cleared for fire control that would add a

further 2ha of clearing of habitat and increase the risk slightly of the clearing requiring a full assessment; and

- The biodiversity value of the site, from a fauna perspective, is considered low.

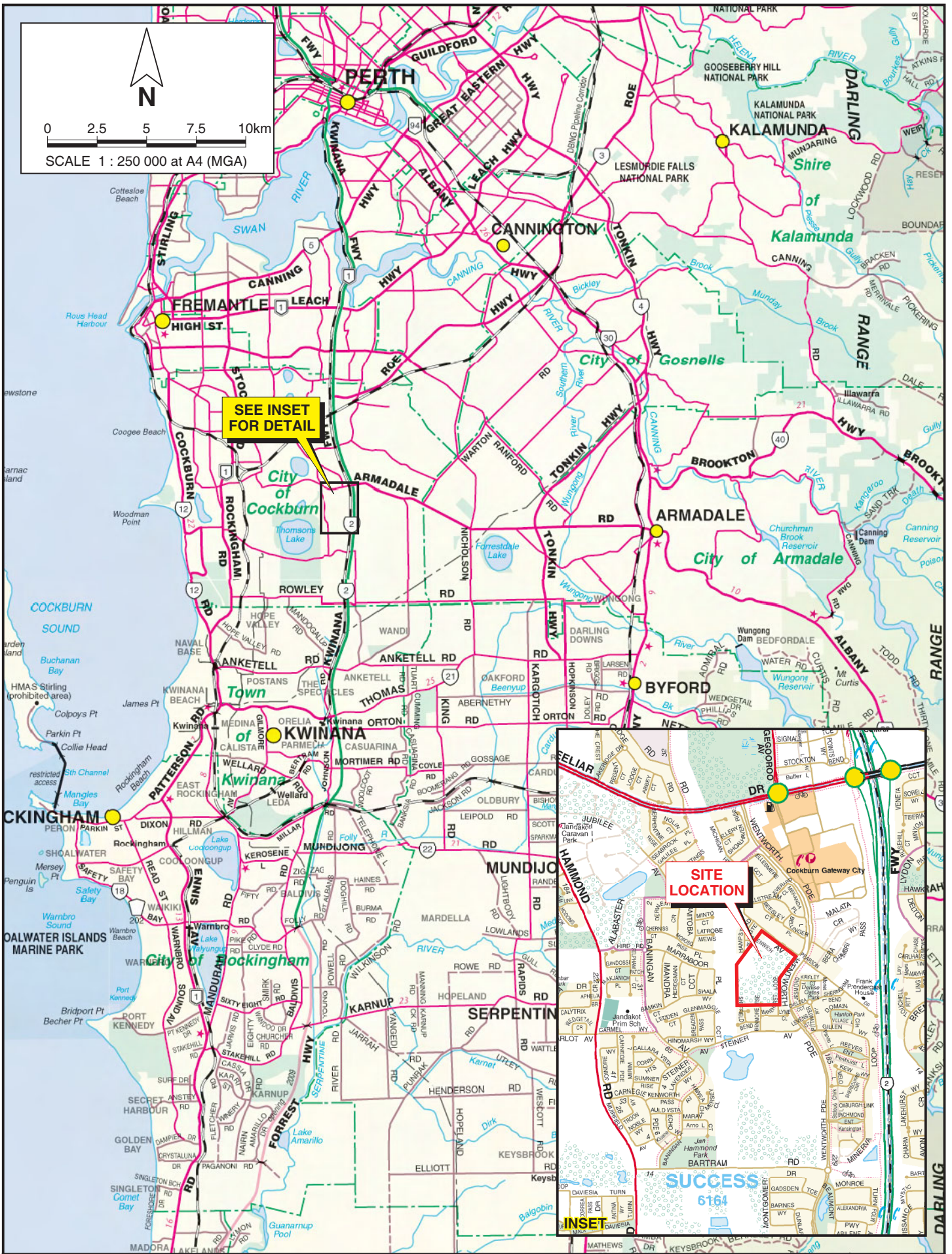
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FIGURES



2014-157-01.dgm
 PINPOINT CARTOGRAPHICS (08) 9562 7136

Drawn: J. Hams Job: 10183 Rpt: 2014-157	Date: 3 Sep 2014 Revision: A

Jardim Holdings
 LEVEL 1 FLORA, VEGETATION AND FAUNA SURVEY
 LOT 3 SCIANO AVE, SUCCESS

SITE LOCATION



Legend
 - - - Site Boundary
 — Cadastral Boundary
 — Topographic Contour

0 10 20 30 40 50m
 SCALE 1 : 1 750 at A4 (MGA)

PINPOINT CARTOGRAPHICS (08) 9562 7136 2014-157-402.dgn

CADASTRAL SOURCE: Landgate, September 2014.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown August 2014.
 CONTOURS SOURCE: Landgate, 1:50,000 Topographic Mapping.

pgv ENVIRONMENTAL

Drawn: J. Hams	Date: 3 Sep 2014
Job: 10183 Rpt: 2014-157	Revision: A

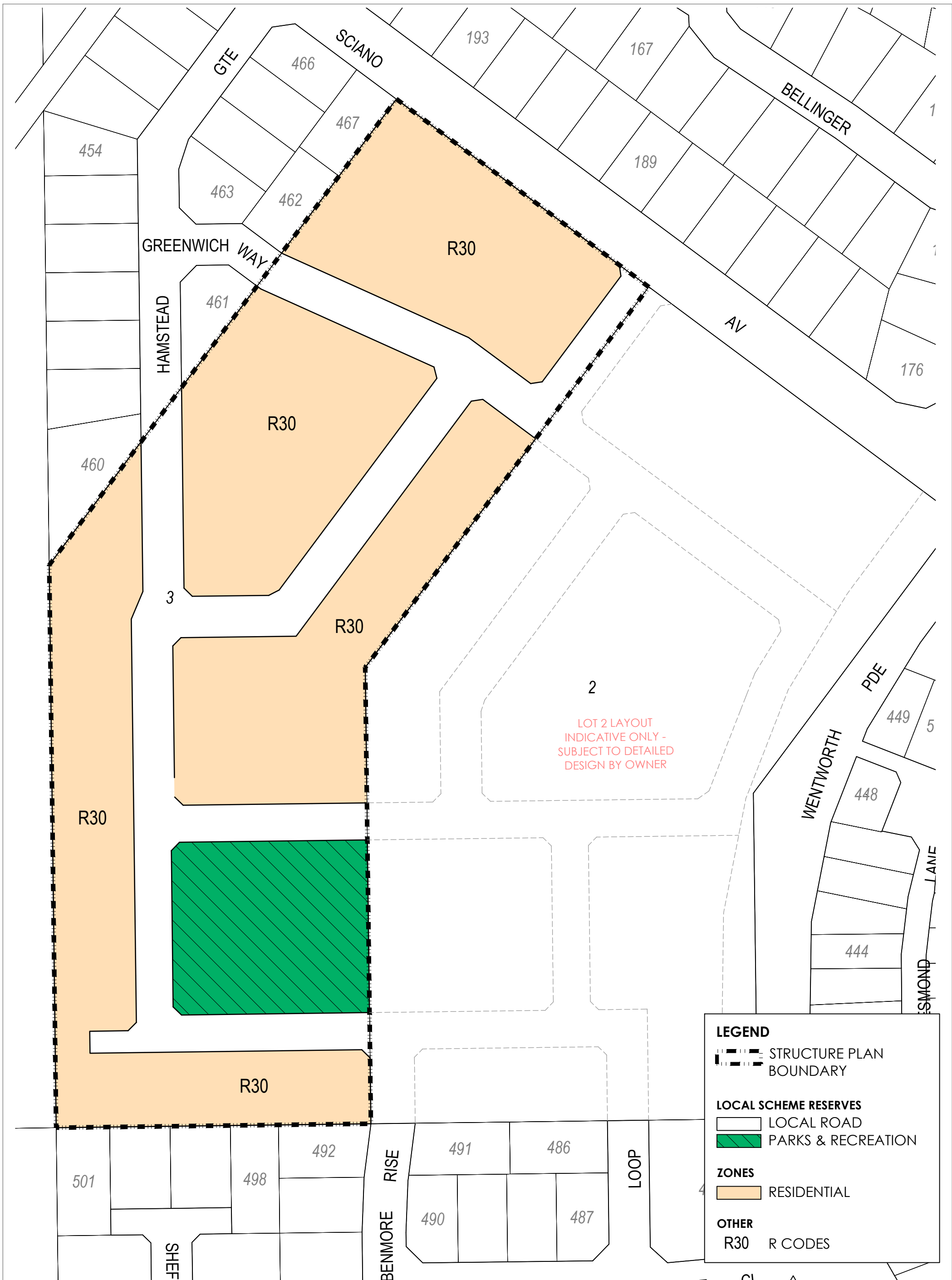
Jardim Holdings
 LEVEL 1 FLORA, VEGETATION AND FAUNA SURVEY
 LOT 3 SCIANO AVE, SUCCESS

SITE BOUNDARY AND TOPOGRAPHY

Figure 2

APPENDIX 1

Local Structure Plan



DISCLAIMER: BUILDING FOOTPRINT ARE INDICATIVE ONLY AND IS SUBJECT TO DETAIL SITE SURVEY.
ALL AREAS AND DIMENSIONS ARE SUBJECT TO DETAILED DESIGN SURVEY.

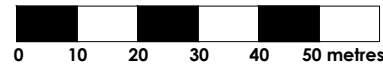
STRUCTURE PLAN

Lot 3 Sciano Avenue, Success
City of Cockburn



PLAN: JAR-1 003B
DATE: 140909
PROJECT: LOT 3 SCIANO AVE
DESIGNED: AM

SCALE: 1:1250 @A3



APPENDIX 2

DPaW Flora Database Search Results

FID_	Sheet_no	Taxon	Cons code	Site	Vegetation	Locality	Geocode_ me	Prec
	PERTH 256021	<i>Caladenia huegelii</i>	T	In sandy soil.	Jarrah - Banksia woodland.	Bartram Road, Jandakot	MAN	3
	PERTH 04421213	<i>Caladenia huegelii</i>	T	Coastal plain. Grey sand.	Closed Banksia woodland. <i>Banksia</i> sp., <i>Stirlingia latifolia</i> , <i>Hibbertia</i> spp., <i>Hypocalymma robustum</i> , <i>Conostephium pendulum</i>	300 m E (right) on sand track, 300 m N up Fraser Road from Forrest Road, Banjup	GPS	1
	PERTH 04421205	<i>Caladenia huegelii</i>	T	Coastal plain. Grey sand.	Closed Banksia woodland. <i>Banksia</i> sp., <i>Stirlingia latifolia</i> , <i>Hibbertia</i> spp., <i>Hypocalymma robustum</i> , <i>Conostephium pendulum</i>	300 m E (right) on sand track, 300 m N up Fraser Road from Forrest Road, Banjup	GPS	1
	PERTH 06752624	<i>Caladenia huegelii</i>	T	Grey sand.	Low open woodland of <i>Melaleuca preissiana</i> over Low Open Shrubland of <i>Melaleuca thymoides</i> over <i>Dasypogon</i> sp. and <i>Desmocladus</i> sp. herbland on lower slopes.	Bush Forever Site 390, Fraser Road Bushland, Banjup	GPS	1
	PERTH 06534163	<i>Cyathochaeta teretifolia</i>	3			In or adjacent to Emma Treeby Reserve, S Armadale Road, Banjup	MAN	3
	PERTH 4260171	<i>Dodonaea hackettiana</i>	4			Russell Road (S side of Reserve) between Thomsons Lake and Marsupial Reserves, Wattleup	AUTO	2
	PERTH 01157663	<i>Dodonaea hackettiana</i>	4	Grey sand.		Intersection Mason and Forrest roads, Jandakot	MAN	3
	PERTH 01157655	<i>Dodonaea hackettiana</i>	4			Thomson's Lake Reserve, Jandakot	MAN	3
	PERTH 01157132	<i>Dodonaea hackettiana</i>	4	Disturbed area, in sandy paddock.	<i>Eucalyptus marginata</i> open forest, with grasses, <i>Carpobrotus</i> sp.	20 km S of Perth, 1 km S of Bibra Lake on E side of Forrest Road	MAN	3
	PERTH 01157124	<i>Dodonaea hackettiana</i>	4	Disturbed area, in sandy paddock.	<i>Eucalyptus marginata</i> open forest, with grasses, <i>Carpobrotus</i> sp.	20 km S of Perth, 1 km S of Bibra Lake on E side of Forrest Road	MAN	3
	PERTH 01157612	<i>Dodonaea hackettiana</i>	4	Sand with outcropping limestone.	Tall danse Banksia forest.	24 km S of Perth, S of Thompson's Lake on Russell road	MAN	3

FID_	Sheet_no	Taxon	Cons code	Site	Vegetation	Locality	Geocode_ me	Prec
				flat, well-drained but adjacent to winter-wet swamp;				
PERTH 08415331		<i>Jacksonia gracillima</i>	3		Banksia woodland.	Bushland near Shirley Balla Swamp, north of Gibbs Rd, Banjup	GPS	1
PERTH 00282235		<i>Microtis quadrata</i>	4	In black peaty soil.	Under paperbarks.	NW side of Lake Jandakot	AUTO	3
PERTH 1084135		<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>	3	Sand ridge.	In Banksia woodland.	Prinsep Road, Jandakot	MAN	2
PERTH 05592224		<i>Pimelea calcicola</i>	3	Brown sand and protruding limestone.	Melaleuca/Acacia <i>rostellifera</i> patches. Associated vegetation: <i>Dryandra sessilis</i> , <i>Phyllanthus calycinus</i> , <i>Hibbertia hypericoides</i> , <i>Ehrharta calycina</i> .	ca 75 m N of Retta Street on E side of Cockburn Road, Mount Brown (Beeliar) Regional Park,	MAN	0
PERTH 03172805		<i>Stylidium longitubum</i>	3			Bartram Road, Jandakot	AUTO	3
PERTH 06239404		<i>Stylidium paludicola</i>	3	In swampy area.		Hammond and Circus Roads, Jandakot	MAN	3
PERTH 02857685		<i>Stylidium paludicola</i>	3	Near edge of swamp.	Amongst <i>Juncus</i> .	Jandakot Marsupial Breeding Station at Banganup Lake	MAN	0
PERTH 00279188		<i>Thelymitra variegata</i>	3	In yellow sand.	With <i>Banksia attenuata</i> , <i>Casuarina fraseri</i> , <i>Hibbertia hypericoides</i> , etc.	Russel Road, Jandakot	AUTO	3
PERTH 02521296		<i>Tripterococcus paniculatus</i>	4	Winter wet flats, peaty sand over clay.	<i>Hypocalymma angustifolium</i> low heath.	Gazetted Reserve 418 [Reserve No. 41438], Bartrum Road swamp, Jandakot	MAN	3

Taxon	Status Rank	IUCN Criteria	EPBC DECRegion	DECDistrict	Distribution	Flowering Period	Recovery Plan
Acacia lasiocarpa var. bracteolata long peduncle variant (G.J. Keighery 5026)	1		SWAN	PERTH HILLS,SWAN COASTAL	North Dandalup, Mundijong, Gosnells, Jandakot, Serpentine, Mundijong	My,Aug	
Byblis gigantea	3		MWST,SWAN	PERTH HILLS,SWAN COASTAL,MOORA	Yule Brook, Cannington, Jandakot, Brookton Highway, Cervantes Wattleup, Thompson Lake, Kings Park, Jandakot, Bibra Lake-The Spectacles, Gingin, Peron, Baldivis, Beeliar, Baldivis, Harry Waring Marsupial Reserve	Sep-Jan	
Dodonaea hackettiana	4		SWAN	SWAN COASTAL	Pinjarra, Jandakot, Albany, Lake Barker, Denamrk , Baufort Inlet	Jul-Oct	
Microtis quadrata	4		SCST,SWAN,WARR, WHTB	SWAN COASTAL,FRANKLAND, ALBANY,GREAT SOUTHERN	Upper Swan, Bullsbrook, Bunbury, Midland, Busselton, Arthur River, Jandakot, Mundijong, Karnup	Dec-Jan	
Stylidium longitubum	3		SWAN,SWST,WHTB	SWAN COASTAL,BLACKWOOD, WELLINGTON,GREAT SOUTHERN		Nov	

FID_	PoplD	Nameid	Taxon	ConsStatus	WARank	PopNumb er	SubPopCo de	PopStatus	Location	District	Vesting	Purpose1	Purpose2	Method	MatureCo un	LiveTotal	PlantType C	AreaOccu pi	inFlower	Population
84944	1596	Caladenia huegelii		T	CR	41		X	EXTINCT - Area cleared for Kwinana Freeway on-ramp (NW corner of Beeliar Rd & Kwinana Freeway in bushland. North from second overhead light)	SWAN COASTAL	MRD	VER			0	0			N	
97288	1596	Caladenia huegelii		T	CR	42	A		Lot 820 (previously part of Lot 136), Fraser Rd. WAPC owned private property. East side of Fraser Road. Plants scattered throughout the remaining bushland. Bush Forever Site 390 covers most of Lot 820.	SWAN COASTAL	SPC	GVT		ACT_IND	447	0	PLANTS	112380	Y	HEALTHY
97289	1596	Caladenia huegelii		T	CR	42	B		Lot 9004 (Lot 135) Fraser Road, Banjup. Located on the west side of Fraser Road.	SWAN COASTAL	PRI			ACT_IND	0	0			Y	MODERATE
97290	1596	Caladenia huegelii		T	CR	42	C		Lot 131 Fraser Road, Banjup. Located along the southern boundary of the lot, from the southern terminal to the northern terminal transmission line route.	SWAN COASTAL	PRI				5	5			Y	
97291	1596	Caladenia huegelii		T	CR	42	D		Fraser Road, Banjup, within the road reserve.	SWAN COASTAL	LGA	VER			0	0			N	
106241	1596	Caladenia huegelii		T	CR	42	E		Lot 821 (previously part of Lot 136) Fraser Road, Banjup. Private property owned by the Housing Commission. East side of Fraser Road [ca. 340m along Fraser Rd from Armadale Rd].	SWAN COASTAL	PRI			ACT_IND	0	0			Y	MODERATE
106242	1596	Caladenia huegelii		T	CR	42	F		Private Property, Lot 4, Armadale Rd, Banjup. Adjacent to Lots 820 & 821 Fraser Road. Previously included as part of Pop 42A. Part of Lot 4 is Bush Forever Site 390. [Plants found in the vegetation in the northern and western parts of Lot 4].	SWAN COASTAL	PRI			ACT_IND	0	0			Y	MODERATE
84954	1596	Caladenia huegelii		T	CR	61			Private Property 384 Bartram Street, Banjup, remnant at back of property.	SWAN COASTAL	PRI				1	1			Y	
84955	1596	Caladenia huegelii		T	CR	62			Western edge of Denis De Young Reserve Banjup.	SWAN COASTAL	LGA	REC		ACT_IND	18	18			N	
84960	1596	Caladenia huegelii		T	CR	67			Unvested Reserve No. 41438, east of Shirley Balla Swamp, Banjup.	SWAN COASTAL	NON	GVT		ACT_IND	4	4			Y	
99183	4763	Dodonaea hackettiana		4		4	A		Along the NE side of Kogolup Lake, Yangebup. For 0.6 km NNE along the lake edge from Wedge Rd.	SWAN COASTAL	PRI				0	0			N	
99184	4763	Dodonaea hackettiana		4		4	B		N verge of Wedge Rd, along the S edge of Kogolup Lake, Yangebup.	SWAN COASTAL	LGA	VER			0	0			N	
99185	4763	Dodonaea hackettiana		4		4	C		N edge of Thomsons Lake. W end of Haring Rd, Success.	SWAN COASTAL	NON	OTH			0	0			N	
99186	4763	Dodonaea hackettiana		4		4	D		NW edge of Thomsons Lake. 0.6 km W of Wedge Rd and 0.5 km E of Lorimer Rd.	SWAN COASTAL	NON	OTH			0	0			N	
99187	4763	Dodonaea hackettiana		4		4	E		W edge of Thomsons Lake. From 0.8 to 1 km S of Wedge Rd.	SWAN COASTAL	CC	NRE	CFA		0	0			N	
99189	4763	Dodonaea hackettiana		4		5	A		Russell Rd, Wattleup. From Pearse Rd, E for approx 0.6 km.	SWAN COASTAL	LGA	VER		ACT_IND	27	27			N	
99190	4763	Dodonaea hackettiana		4		5	B		S side of Russell Rd, Wattleup. NW corner of Harry Waring Marsupial Reserve.	SWAN COASTAL	CC	CFF	OTH	ACT_IND	13	13			N	
99191	4763	Dodonaea hackettiana		4		5	C		S edge of Thomsons Lake. From 0.5 to 1.5 km E of Pearse Rd.	SWAN COASTAL	LGA	NRE	CFA		0	0			N	
99192	4763	Dodonaea hackettiana		4		5	D		Harry Waring Marsupial Reserve. W edges of Banganup (Toodjabubup) Lake.	SWAN COASTAL	CC	CFF	OTH	ESTMT	700	1750			N	
99193	4763	Dodonaea hackettiana		4		5	E		Harry Waring Marsupial Reserve. E side of Banganup (Toodjabubup) Lake. 375 m S of Russell Rd.	SWAN COASTAL	CC	CFF	OTH	ESTMT	15	23			N	
99194	4763	Dodonaea hackettiana		4		5	F		WSW edge of Banganup (Toodjabubup) Lake. 0.5 km SE of the intersection of Russell and Pearse Rds,	SWAN COASTAL	PRI				0	0			N	
87266	4763	Dodonaea hackettiana		4		6			SE side of the junction of Forrest Rd and Mason Rd, ca 1 km S of Bibra Lake.	SWAN COASTAL	PRI				0	0			N	
93725	16998	Tripterococcus paniculatus		4		6			Reserve 41438 (Location 418), cnr of Liddlow & Gibbs Rds, Banjup.	SWAN COASTAL	NON	GVT		ESTMT	10	10			N	
92664	14714	Verticordia lindleyi subsp. lindleyi		4		22			Denis De Young Reserve, Banjup. East side of Liddelow Rd, ca. 475 m north of the junction with Oxley Rd.	SWAN COASTAL	LGA	REC			0	0			N	

APPENDIX 3

Naturemap Report

NatureMap Species Report

Created By Jackalyn Hams on 21/07/2014

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 115°51' 11" E,32°08' 12" S
Buffer 5km
Group By Conservation Status

Conservation Status	Species	Records
Rare or likely to become extinct	7	113
Protected under international agreement	16	477
Other specially protected fauna	2	9
Priority 1	1	4
Priority 3	9	147
Priority 4	6	27
Priority 5	2	39
Non-conservation taxon	723	11527
TOTAL	766	12343

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Rare or likely to become extinct				
1.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
2.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
3.	24731 <i>Calyptrorhynchus banksii</i> subsp. <i>naso</i> (Forest Red-tailed Black-Cockatoo)		T	
4.	24734 <i>Calyptrorhynchus latirostris</i> (Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo)		T	
5.	24146 <i>Myrmecobius fasciatus</i> (Numbat, Walpurti)		T	
6.	25504 <i>Perameles bougainville</i> (Western Barred Bandicoot, Marl)		T	
7.	24905 <i>Pogona minor</i> subsp. <i>minima</i> (Dwarf Bearded Dragon (Houtman Abrolhos Is.), Dwarf Bearded Dragon)		T	
Protected under international agreement				
8.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
9.	41324 <i>Ardea modesta</i> (Eastern Great Egret)		IA	
10.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
11.	24786 <i>Calidris melanotos</i> (Pectoral Sandpiper)		IA	
12.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
13.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
14.	25574 <i>Charadrius dubius</i> (Little Ringed Plover)		IA	
15.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)		IA	
16.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
17.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)		IA	
18.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
19.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
20.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
21.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
22.	24808 <i>Tringa nebularia</i> (Common Greenshank)		IA	
23.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper)		IA	
Other specially protected fauna				
24.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
25.	24475 <i>Falco peregrinus</i> subsp. <i>macropus</i> (Australian Peregrine Falcon)		S	
Priority 1				
26.	33994 <i>Throscodectes xiphos</i> (cricket)		P1	Y
Priority 3				
27.	16245 <i>Cyathochaeta teretifolia</i>		P3	
28.	20462 <i>Jacksonia gracillima</i>		P3	
29.	25147 <i>Lerista lineata</i> (Perth Slider, Lined Skink)		P3	
30.	25249 <i>Neelaps calonotos</i> (Black-striped Snake)		P3	
31.	11557 <i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		P3	
32.	5237 <i>Pimelea calcicola</i>		P3	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
33.	7756 <i>Stylidium longitubum</i> (Jumping Jacks)		P3	
34.	25800 <i>Stylidium paludicola</i>		P3	
35.	1717 <i>Thelymitra variegata</i> (Queen of Sheba)		P3	
Priority 4				
36.	4763 <i>Dodonaea hackettiana</i> (Hackett's Hopbush)		P4	
37.	24189 <i>Falsistrellus mackenziei</i> (Western False Pipistrelle)		P4	
38.	24133 <i>Macropus irma</i> (Western Brush Wallaby)		P4	
39.	33742 <i>Microtis quadrata</i>		P4	
40.	33992 <i>Synemon gratiose</i> (Graceful Sunmoth)		P4	
41.	16998 <i>Tripterococcus paniculatus</i>		P4	
Priority 5				
42.	24153 <i>Isodon obesulus</i> subsp. <i>fusciventer</i> (Quenda, Southern Brown Bandicoot)		P5	
43.	24131 <i>Macropus eugenii</i> subsp. <i>derbianus</i> (Tamar Wallaby (WA subsp))		P5	
Non-conservation taxon				
44.	11731 <i>Acacia browniana</i> var. <i>browniana</i>			
45.	3262 <i>Acacia cochlearis</i> (Rigid Wattle)			
46.	3282 <i>Acacia cyclops</i> (Coastal Wattle)			
47.	3307 <i>Acacia divergens</i>			
48.	3374 <i>Acacia huegelii</i>			
49.	17861 <i>Acacia longifolia</i>	Y		
50.	3502 <i>Acacia pulchella</i> (Prickly Moses)			
51.	15481 <i>Acacia pulchella</i> var. <i>glaberrima</i>			
52.	30032 <i>Acacia saligna</i> subsp. <i>saligna</i>			
53.	3557 <i>Acacia stenoptera</i> (Narrow Winged Wattle)			
54.	3602 <i>Acacia willdenowiana</i> (Grass Wattle)			
55.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
56.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
57.	24262 <i>Acanthiza inornata</i> (Western Thornbill)			
58.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			
59.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
60.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
61.	24282 <i>Accipiter fasciatus</i> subsp. <i>fasciatus</i> (Brown Goshawk)			
62.	17774 <i>Acetosella vulgaris</i>	Y		
63.	42368 <i>Acritoscincus trilineatus</i> (Western Three-lined Skink)			
64.	25755 <i>Acrocephalus australis</i> (Australian Reed Warbler)			
65.	24831 <i>Acrocephalus australis</i> subsp. <i>gouldi</i> (Australian Reed Warbler)			
66.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
67.	1791 <i>Adenanthos obovatus</i> (Basket Flower)			
68.	17202 <i>Agonis flexuosa</i> var. <i>flexuosa</i>			
69.	184 <i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
70.	185 <i>Aira cupaniana</i> (Silvery Hairgrass)	Y		
71.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
72.	1732 <i>Allocasuarina humilis</i> (Dwarf Sheoak)			
73.	198 <i>Amphipogon laguroides</i>			
74.	20184 <i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
75.	200 <i>Amphipogon turbinatus</i>			
76.	-12228 <i>Aname mainae</i>			
77.	24310 <i>Anas castanea</i> (Chestnut Teal)			
78.	24312 <i>Anas gracilis</i> (Grey Teal)			
79.	24313 <i>Anas platyrhynchos</i> (Mallard)			
80.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
81.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
82.	7833 <i>Angianthus preissianus</i>			
83.	11434 <i>Anigozanthos humilis</i> subsp. <i>humilis</i>			
84.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
85.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
86.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
87.	12724 <i>Anthotium junciforme</i>			
88.	-12167 <i>Antichiropus variabilis</i>			
89.	3686 <i>Aotus cordifolia</i>			
90.	3688 <i>Aotus gracillima</i>			
91.	3692 <i>Aotus procumbens</i>			
92.	24991 <i>Aprasia repens</i> (Sand-plain Worm-lizard)			
93.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
94.	-13489 <i>Araneus cyphoxis</i>			
95.	-12723 <i>Araneus eburneiventris</i>			
96.	-13016 <i>Araneus senicaudatus</i>			
97.	38963 <i>Arcyria affinis</i>			Y
98.	38964 <i>Arcyria cinerea</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
99.	38965 <i>Arcyria denudata</i>			
100.	38966 <i>Arcyria ferruginea</i>			
101.	38967 <i>Arcyria incarnata</i>			
102.	38968 <i>Arcyria insignis</i>			
103.	38970 <i>Arcyria obvelata</i>			
104.	38973 <i>Arcyria pomiformis</i>			
105.	38974 <i>Arcyria stipata</i>			Y
106.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
107.	1264 <i>Arnocrinum preissii</i>			
108.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
109.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
110.	8779 <i>Asparagus asparagoides</i> (Bridal Creeper)	Y		
111.	20283 <i>Astartea scoparia</i>			
112.	7851 <i>Asteridea pulverulenta</i> (Common Bristle Daisy)			
113.	6334 <i>Astroloma pallidum</i> (Kick Bush)			
114.	6339 <i>Astroloma xerophyllum</i>			
115.	17234 <i>Austrostipa compressa</i>			
116.	17240 <i>Austrostipa flavescens</i>			
117.	17245 <i>Austrostipa mollis</i>			
118.	24318 <i>Aythya australis</i> (Hardhead)			
119.	17737 <i>Azolla pinnata</i>			
120.	42902 <i>Azolla rubra</i>			
121.	36441 <i>Babingtonia camphorosmae</i> (Camphor Myrtle)			
122.	38975 <i>Badhamia capsulifera</i>			Y
123.	38976 <i>Badhamia foliicola</i>			
124.	38977 <i>Badhamia goniospora</i>			Y
125.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			
126.	32580 <i>Banksia dallanneyi</i> var. <i>dallanneyi</i>			
127.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
128.	1830 <i>Banksia littoralis</i> (Swamp Banksia, Pungura)			
129.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
130.	32077 <i>Banksia sessilis</i> var. <i>cygnorum</i>			
131.	1852 <i>Banksia telmatiaea</i> (Swamp Fox Banksia)			
132.	15037 <i>Bartsia trixago</i>	Y		
133.	741 <i>Baumea articulata</i> (Jointed Rush)			
134.	743 <i>Baumea juncea</i> (Bare Twigrush)			
135.	744 <i>Baumea laxa</i>			
136.	5382 <i>Beaufortia elegans</i>			
137.	24319 <i>Biziura lobata</i> (Musk Duck)			
138.	749 <i>Bolboschoenus caldwellii</i> (Marsh Club-rush)			
139.	4413 <i>Boronia crenulata</i> (Aniseed Boronia)			
140.	16636 <i>Boronia crenulata</i> subsp. <i>viminea</i>			
141.	4417 <i>Boronia dichotoma</i>			
142.	4420 <i>Boronia fastigiata</i> (Bushy Boronia)			
143.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
144.	30131 <i>Brachyloma preissii</i> subsp. <i>lanceolatum</i>			
145.	30142 <i>Brachyloma preissii</i> subsp. <i>obtusifolium</i>			
146.	30136 <i>Brachyloma preissii</i> subsp. <i>preissii</i>			
147.	8661 <i>Brachypodium distachyon</i> (False Brome)	Y		
148.	7867 <i>Brachyscome bellidioides</i>			
149.	42381 <i>Brachyrophis semifasciatus</i> (Southern Shovel-nosed Snake)			
150.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		
151.	245 <i>Briza minor</i> (Shivery Grass)	Y		
152.	249 <i>Bromus diandrus</i> (Great Brome)	Y		
153.	12770 <i>Burchardia congesta</i>			
154.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
155.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
156.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
157.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
158.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
159.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
160.	1277 <i>Caesia occidentalis</i>			
161.	1586 <i>Caladenia discoidea</i> (Dancing Orchid)			
162.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
163.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
164.	15502 <i>Caladenia footeana</i>			
165.	15352 <i>Caladenia georgei</i>			
166.	1599 <i>Caladenia latifolia</i> (Pink Fairy Orchid)			
167.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
168.	1605 <i>Caladenia marginata</i> (White Fairy Orchid)			

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169.	17589 <i>Caladenia occidentalis</i>			
170.	15503 <i>Caladenia paludosa</i>			
171.	2848 <i>Calandrinia corrigioloides</i> (Strap Purslane)			
172.	2856 <i>Calandrinia liniflora</i> (Parakeelya)			
173.	19309 <i>Calectasia narragara</i>			
174.	34942 <i>Callitriche brutia</i> subsp. <i>brutia</i>	Y		
175.	36600 <i>Callitriche pyramidalis</i> (Swamp Cypress)			
176.	38981 <i>Calomyxa metallica</i>			Y
177.	5411 <i>Calothamnus hirsutus</i>			
178.	5415 <i>Calothamnus lateralis</i>			
179.	5429 <i>Calothamnus sanguineus</i> (Silky-leaved Blood flower, Pindak)			
180.	25717 <i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
181.	5439 <i>Calytrix angulata</i> (Yellow Starflower)			
182.	5458 <i>Calytrix flavescens</i> (Summer Starflower)			
183.	5460 <i>Calytrix fraseri</i> (Pink Summer Calytrix)			
184.	32338 <i>Campylopus introflexus</i>	Y		
185.	18555 <i>Cardamine</i> sp. <i>Jandakot</i> (P. Luff s.n. 4/7/1969)	Y		
186.	2794 <i>Carpobrotus aequilaterus</i> (Angular Pigface)	Y		
187.	2795 <i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
188.	1162 <i>Cartonema phylloides</i>			
189.	2951 <i>Cassytha flava</i> (Dodder Laurel)			
190.	2957 <i>Cassytha racemosa</i> (Dodder Laurel)			
191.	1742 <i>Casuarina obesa</i> (Swamp Sheoak, Kuli)			
192.	41568 <i>Cenchrus setaceus</i> (Fountain Grass)	Y		
193.	6542 <i>Centaurium tenuiflorum</i>	Y		
194.	6214 <i>Centella asiatica</i>			
195.	1125 <i>Centrolepis drummondiana</i>			
196.	1134 <i>Centrolepis polygyna</i> (Wiry Centrolepis)			
197.	2889 <i>Cerastium glomeratum</i> (Mouse Ear Chickweed)	Y		
198.	38982 <i>Ceratomyxa fruticulosa</i>			
199.	17685 <i>Chaetanthus aristatus</i>			
200.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
201.	18156 <i>Chamaecytisus palmensis</i> (Tagasaste)	Y		
202.	1280 <i>Chamaescilla corymbosa</i> (Blue Squill)			
203.	24373 <i>Charadrius melanops</i> (Black-fronted Dotterel)			
204.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
205.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
206.	2483 <i>Chenopodium album</i> (Fat Hen)	Y		
207.	7925 <i>Chondrilla juncea</i> (Skeleton Weed)	Y		
208.	17706 <i>Chordifex sinuosus</i>			
209.	8971 <i>Chorizema cordatum</i>			
210.	24980 <i>Christinus marmoratus</i> (Marbled Gecko)			
211.	24288 <i>Circus approximans</i> (Swamp Harrier)			
212.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
213.	7937 <i>Cirsium vulgare</i> (Spear Thistle)	Y		
214.	24774 <i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
215.	38983 <i>Clastoderma debaryanum</i>			
216.	-1882 <i>Clynotis albobarbatus</i>			
217.	25675 <i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
218.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
219.	38986 <i>Comatricha elegans</i>			
220.	38988 <i>Comatricha laxa</i>			
221.	38990 <i>Comatricha nigra</i>			
222.	38991 <i>Comatricha pulchella</i>			
223.	4550 <i>Comesperma calymega</i> (Blue-spike Milkwort)			
224.	1858 <i>Conospermum amoenum</i> (Blue Smokebush)			
225.	6348 <i>Conostephium pendulum</i> (Pearl Flower)			
226.	6349 <i>Conostephium preissii</i>			
227.	1418 <i>Conostylis aculeata</i> (Prickly Conostylis)			
228.	11826 <i>Conostylis aculeata</i> subsp. <i>aculeata</i>			
229.	1427 <i>Conostylis candicans</i> (Grey Cottonhead)			
230.	1436 <i>Conostylis juncea</i>			
231.	1453 <i>Conostylis serrulata</i>			
232.	1454 <i>Conostylis setigera</i> (Bristly Cottonhead)			
233.	11597 <i>Conostylis setigera</i> subsp. <i>setigera</i>			
234.	1455 <i>Conostylis setosa</i> (White Cottonhead)			
235.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
236.	20074 <i>Conyza sumatrensis</i>	Y		
237.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
238.	277 <i>Cortaderia selloana</i> (Pampas Grass)	Y		

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239.	24416 <i>Corvus bennetti</i> (Little Crow)			
240.	25592 <i>Corvus coronoides</i> (Australian Raven)			
241.	17104 <i>Corymbia calophylla</i> (Marri)			
242.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
243.	7945 <i>Cotula coronopifolia</i> (Waterbuttons)	Y		
244.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
245.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
246.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
247.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
248.	24422 <i>Cracticus tibicen subsp. dorsalis</i> (White-backed Magpie)			
249.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
250.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
251.	3139 <i>Crassula exserta</i>			
252.	3140 <i>Crassula glomerata</i>	Y		
253.	38997 <i>Craterium leucocephalum</i>			
254.	38998 <i>Craterium minutum</i>			
255.	39001 <i>Cribraria cancellata</i>			
256.	39002 <i>Cribraria microcarpa</i>			
257.	39003 <i>Cribraria minutissima</i>			
258.	39006 <i>Cribraria tenella</i>			
259.	25399 <i>Crinia glauerti</i> (Clicking Frog)			
260.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
261.	13527 <i>Croninia kingiana</i>			
262.	30893 <i>Cryptoblepharus buchananii</i>			
263.	25020 <i>Cryptoblepharus plagiocephalus</i>			
264.	1627 <i>Cryptostylis ovata</i> (Slipper Orchid)			
265.	30899 <i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
266.	25027 <i>Ctenotus australis</i>			
267.	25039 <i>Ctenotus fallens</i>			
268.	25040 <i>Ctenotus gemmula</i> (Jewelled South-west Ctenotus (Swan Coastal Plain pop P3), skink)			
269.	6663 <i>Cuscuta epithymum</i> (Lesser Dodder, Greater Dodder)	Y		
270.	40660 <i>Cycnogeton huegelii</i>			
271.	24322 <i>Cygnus atratus</i> (Black Swan)			
272.	19625 <i>Cymbalaria muralis subsp. muralis</i>	Y		
273.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
274.	816 <i>Cyperus tenuiflorus</i> (Scaly Sedge)	Y		
275.	-11860 <i>Cyrtophora parnasia</i>			
276.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
277.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
278.	7462 <i>Dampiera pedunculata</i>			
279.	25673 <i>Daphoenositta chrysoptera</i> (Varied Sittella)			
280.	1218 <i>Dasypogon bromeliifolius</i> (Pineapple Bush)			
281.	18560 <i>Daviesia divaricata subsp. divaricata</i>			
282.	3832 <i>Daviesia physodes</i>			
283.	3845 <i>Daviesia triflora</i>			
284.	25766 <i>Delma fraseri</i> (Fraser's Legless Lizard)			
285.	25296 <i>Demansia psammophis subsp. reticulata</i> (Yellow-faced Whipsnake)			
286.	16595 <i>Desmocladius flexuosus</i>			
287.	299 <i>Deyeuxia quadriflora</i> (Reed Bentgrass)			
288.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
289.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
290.	1287 <i>Dichopogon capillipes</i>			
291.	32344 <i>Dicranoloma diaphanoneuron</i>			
292.	39011 <i>Diderma asteroides</i>			
293.	39017 <i>Didymium anellus</i>			Y
294.	39023 <i>Didymium perforatum</i>			Y
295.	39024 <i>Didymium serpula</i>			
296.	39025 <i>Didymium squamulosum</i>			
297.	32345 <i>Didymodon australasiae</i>			
298.	17838 <i>Dielsia stenostachya</i>			
299.	-13407 <i>Dingosa serrata</i>			
300.	19649 <i>Disa bracteata</i>	Y		
301.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			
302.	15453 <i>Drosera gigantea subsp. gigantea</i>			
303.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
304.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
305.	3117 <i>Drosera paleacea</i> (Dwarf Sundew)			
306.	13188 <i>Drosera paleacea subsp. paleacea</i>			
307.	3133 <i>Drosera subhirtella</i> (Sunny Rainbow)			

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308.	3135 <i>Drosera zonaria</i> (Painted Sundew)			
309.	33500 <i>Dysphania ambrosioides</i> (Mexican Tea)	Y		
310.	11105 <i>Echinochloa crus-galli</i>	Y		
311.	39029 <i>Echinostelium minutum</i>			
312.	25100 <i>Egernia napoleonis</i>			
313.	347 <i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
314.	349 <i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
315.	42241 <i>Elaeomyxa reticulospora</i>			Y
316.	25250 <i>Elapognathus coronatus</i> (Crowned Snake)			
317.	1643 <i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
318.	1644 <i>Elythranthera emarginata</i> (Pink Enamel Orchid)			
319.	39030 <i>Enerthenema papillatum</i>			
320.	1645 <i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
321.	6133 <i>Epilobium hirtigerum</i> (Hairy Willow Herb)			
322.	24567 <i>Epthianura albifrons</i> (White-fronted Chat)			
323.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
324.	5541 <i>Eremaea pauciflora</i>			
325.	14104 <i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
326.	15412 <i>Eriochilus dilatatus</i> subsp. <i>multiflorus</i>			
327.	15414 <i>Eriochilus helonomos</i>			
328.	15415 <i>Eriochilus scaber</i> subsp. <i>scaber</i>			
329.	-12930 <i>Eriophora biapicata</i>			
330.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
331.	15446 <i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			
332.	24379 <i>Erythronyctes cinctus</i> (Red-kneed Dotterel)			
333.	13536 <i>Eucalyptus decipiens</i> subsp. <i>decipiens</i>			
334.	5708 <i>Eucalyptus marginata</i> (Jarrah, Djara)			
335.	13547 <i>Eucalyptus marginata</i> subsp. <i>marginata</i> (Jarrah)			
336.	5739 <i>Eucalyptus patens</i> (Swan River Blackbutt, Dwuda)			
337.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
338.	13511 <i>Eucalyptus rudis</i> subsp. <i>rudis</i>			
339.	5790 <i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
340.	3872 <i>Euchilopsis linearis</i> (Swamp Pea)			
341.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
342.	3880 <i>Eutaxia virgata</i>			
343.	25621 <i>Falco berigora</i> (Brown Falcon)			
344.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
345.	25623 <i>Falco longipennis</i> (Australian Hobby)			
346.	24041 <i>Felis catus</i> (Cat)	Y		
347.	1747 <i>Ficus carica</i> (Common Fig)	Y		
348.	25727 <i>Fulica atra</i> (Eurasian Coot)			
349.	24761 <i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
350.	39033 <i>Fuligo septica</i>			
351.	25729 <i>Gallinula tenebrosa</i> (Dusky Moorhen)			
352.	24763 <i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
353.	25730 <i>Gallirallus philippensis</i> (Buff-banded Rail)			
354.	20475 <i>Gastrolobium capitatum</i>			
355.	20483 <i>Gastrolobium linearifolium</i>			
356.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
357.	1520 <i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
358.	24735 <i>Glossopsitta porphyrocephala</i> (Purple-crowned Lorikeet)			
359.	6587 <i>Gomphocarpus fruticosus</i> (Narrowleaf Cottonbush)	Y		
360.	10909 <i>Gompholobium confertum</i>			
361.	3957 <i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
362.	6161 <i>Gonocarpus pithyoides</i>			
363.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
364.	37500 <i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
365.	14282 <i>Gratiola pubescens</i>			
366.	2032 <i>Grevillea leucopteris</i> (White Plume Grevillea)			
367.	1470 <i>Haemodorum paniculatum</i> (Mardja)			
368.	1475 <i>Haemodorum spicatum</i> (Mardja)			
369.	2128 <i>Hakea amplexicaulis</i> (Prickly Hakea)			
370.	2197 <i>Hakea prostrata</i> (Harsh Hakea)			
371.	2216 <i>Hakea varia</i> (Variable-leaved Hakea)			
372.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
373.	3961 <i>Hardenbergia comptoniana</i> (Native Wisteria)			
374.	28253 <i>Hedynois rhagadioloides</i> subsp. <i>cretica</i>	Y		
375.	25410 <i>Heleioporus eyrei</i> (Moaning Frog)			
376.	29594 <i>Helichrysum luteoalbum</i> (Jersey Cudweed)			
377.	6710 <i>Heliotropium europaeum</i> (Common Heliotrope)	Y		

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378.	6838 <i>Hemiandra linearis</i> (Speckled Snakebush)			
379.	6839 <i>Hemiandra pungens</i> (Snakebush)			
380.	38320 <i>Hemiandra</i> sp. <i>Jurien</i> (B.J. Conn & M.E. Tozer BJC 3885)			
381.	25119 <i>Hemiergis quadrilineata</i>			
382.	1293 <i>Hensmania turbinata</i>			
383.	5134 <i>Hibbertia huegelii</i>			
384.	5135 <i>Hibbertia hypericoides</i> (Yellow Buttercups)			
385.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
386.	5173 <i>Hibbertia subvaginata</i>			
387.	5176 <i>Hibbertia vaginata</i>			
388.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
389.	24775 <i>Himantopus himantopus</i> subsp. <i>leucocephalus</i> (Black-winged Stilt)			
390.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
391.	-13252 <i>Hogna crispipes</i>			
392.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
393.	6222 <i>Homalosciadium homalocarpum</i>			
394.	3966 <i>Hovea pungens</i> (Devil's Pins, Puyenak)			
395.	3968 <i>Hovea trisperma</i> (Common Hovea)			
396.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
397.	12741 <i>Hyalosperma cotula</i>			
398.	5216 <i>Hybanthus calycinus</i> (Wild Violet)			
399.	38795 <i>Hygrocybe conica</i>			
400.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
401.	35070 <i>Hypocalymma angustifolium</i> subsp. <i>Swan Coastal Plain</i> (G.J. Keighery 16777)			
402.	5825 <i>Hypocalymma robustum</i> (Swan River Myrtle)			
403.	8086 <i>Hypochoeris glabra</i> (Smooth Catsear)	Y		
404.	9352 <i>Hypochoeris radicata</i> (Flat Weed)	Y		
405.	1070 <i>Hypolaena exsulca</i>			
406.	17841 <i>Hypolaena pubescens</i>			
407.	20200 <i>Isolepis cernua</i> var. <i>setiformis</i>			
408.	917 <i>Isolepis marginata</i> (Coarse Club-rush)	Y		
409.	-12223 <i>Isopeda leishmanni</i>			
410.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
411.	4029 <i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
412.	1178 <i>Juncus bufonius</i> (Toad Rush)	Y		
413.	1186 <i>Juncus microcephalus</i>	Y		
414.	1188 <i>Juncus pallidus</i> (Pale Rush)			
415.	1190 <i>Juncus planifolius</i> (Broadleaf Rush)			
416.	-12963 <i>Kangarosa properipes</i>			
417.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
418.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
419.	20019 <i>Lachnagrostis filiformis</i>			
420.	6777 <i>Lachnostachys albicans</i>			
421.	18585 <i>Lagenophora huegelii</i>			
422.	467 <i>Lagurus ovatus</i> (Hare's Tail Grass)	Y		
423.	4052 <i>Latrobea tenella</i>			
424.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
425.	1309 <i>Laxmannia squarrosa</i>			
426.	7572 <i>Lechenaultia expansa</i>			
427.	7574 <i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
428.	8099 <i>Leontodon saxatilis</i> (Hairy Hawkbit)	Y		
429.	925 <i>Lepidosperma angustatum</i>			
430.	937 <i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
431.	940 <i>Lepidosperma pubisquameum</i>			
432.	944 <i>Lepidosperma scabrum</i>			
433.	945 <i>Lepidosperma squamatum</i>			
434.	1653 <i>Leporella fimbriata</i> (Hare Orchid)			
435.	15418 <i>Leptoceras menziesii</i>			
436.	2342 <i>Leptomeria cunninghamii</i>			
437.	2344 <i>Leptomeria empetriformis</i>			
438.	2350 <i>Leptomeria pauciflora</i> (Sparse-flowered Currant Bush)			
439.	5847 <i>Leptospermum erubescens</i> (Roadside Teatree)			
440.	5850 <i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
441.	25133 <i>Lerista elegans</i>			
442.	6360 <i>Leucopogon australis</i> (Spiked Beard-heath)			
443.	6374 <i>Leucopogon conostephioides</i>			
444.	6425 <i>Leucopogon oxycedrus</i>			
445.	6427 <i>Leucopogon parviflorus</i> (Coast Beard-heath)			
446.	6434 <i>Leucopogon polymorphus</i>			
447.	6436 <i>Leucopogon propinquus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
448.	19579 <i>Leucopogon</i> sp. <i>Murdoch (M. Hislop 1037)</i>			
449.	6451 <i>Leucopogon tenuis</i>			
450.	7676 <i>Levenhookia pusilla (Midget Stylewort)</i>			
451.	7677 <i>Levenhookia stipitata (Common Stylewort)</i>			
452.	25005 <i>Lialis burtonis</i>			
453.	39042 <i>Licea minima</i>			
454.	39046 <i>Licea rufocuprea</i>			Y
455.	25661 <i>Lichmera indistincta (Brown Honeyeater)</i>			
456.	24582 <i>Lichmera indistincta subsp. indistincta (Brown Honeyeater)</i>			
457.	25415 <i>Limnodynastes dorsalis (Western Banjo Frog)</i>			
458.	36179 <i>Liparophyllum violifolium</i>			
459.	25378 <i>Litoria adelaidensis (Slender Tree Frog)</i>			
460.	25388 <i>Litoria moorei (Motorbike Frog)</i>			
461.	9289 <i>Lobelia anceps (Angled Lobelia)</i>			
462.	7408 <i>Lobelia tenuior (Slender Lobelia)</i>			
463.	6515 <i>Logania vaginalis (White Spray)</i>			
464.	10957 <i>Lolium perenne x rigidum</i>	Y		
465.	478 <i>Lolium rigidum (Wimmera Ryegrass)</i>	Y		
466.	1223 <i>Lomandra caespitosa (Tufted Mat Rush)</i>			
467.	1228 <i>Lomandra hermaphrodita</i>			
468.	1234 <i>Lomandra nigricans</i>			
469.	1239 <i>Lomandra preissii</i>			
470.	1246 <i>Lomandra suaveolens</i>			
471.	25683 <i>Lonchura castaneothorax (Chestnut-breasted Mannikin)</i>			
472.	8564 <i>Lotus subbiflorus</i>	Y		
473.	4063 <i>Lotus uliginosus (Greater Lotus)</i>	Y		
474.	4065 <i>Lupinus angustifolius (Narrowleaf Lupin)</i>	Y		
475.	4066 <i>Lupinus cosentinii</i>	Y		
476.	39048 <i>Lycogala epidendrum</i>			
477.	1097 <i>Lyginia barbata</i>			
478.	18049 <i>Lyginia imberbis</i>			
479.	36375 <i>Lysimachia arvensis (Pimpernel)</i>	Y		
480.	6458 <i>Lysinema elegans</i>			
481.	34736 <i>Lysinema pentapetalum</i>			
482.	5281 <i>Lythrum hyssopifolia (Lesser Loosestrife)</i>	Y		
483.	2838 <i>Macarthuria apetala</i>			
484.	2839 <i>Macarthuria australis</i>			
485.	85 <i>Macrozamia riedlei (Zamia, Djiridji)</i>			
486.	24326 <i>Malacorhynchus membranaceus (Pink-eared Duck)</i>			
487.	25651 <i>Malurus lamberti (Variegated Fairy-wren)</i>			
488.	25654 <i>Malurus splendens (Splendid Fairy-wren)</i>			
489.	4079 <i>Medicago polymorpha (Burr Medic)</i>	Y		
490.	17683 <i>Meeboldina cana</i>			
491.	17747 <i>Meeboldina decipiens</i>			
492.	17843 <i>Meeboldina tephрина</i>			
493.	25758 <i>Megalurus gramineus (Little Grassbird)</i>			
494.	34676 <i>Meionectes brownii (Swamp Raspwort)</i>			
495.	5900 <i>Melaleuca cuticularis (Saltwater Paperbark)</i>			
496.	13271 <i>Melaleuca huegelii subsp. huegelii</i>			
497.	13273 <i>Melaleuca incana subsp. incana</i>			
498.	5926 <i>Melaleuca lateritia (Robin Redbreast Bush)</i>			
499.	5952 <i>Melaleuca preissiana (Moonah)</i>			
500.	5959 <i>Melaleuca raphiophylla (Swamp Paperbark)</i>			
501.	5964 <i>Melaleuca seriata</i>			
502.	18598 <i>Melaleuca systema</i>			
503.	5978 <i>Melaleuca teretifolia (Banbar)</i>			
504.	5980 <i>Melaleuca thymoides</i>			
505.	5987 <i>Melaleuca viminea (Mohan)</i>			
506.	4085 <i>Melilotus indicus</i>	Y		
507.	25663 <i>Melithreptus brevirostris (Brown-headed Honeyeater)</i>			
508.	24587 <i>Melithreptus chloropsis (Western White-naped Honeyeater)</i>			
509.	24736 <i>Melopsittacus undulatus (Budgerigar)</i>			
510.	25184 <i>Menetia greyii</i>			
511.	6884 <i>Mentha spicata (Spearmint)</i>	Y		
512.	955 <i>Mesomelaena pseudostygia</i>			
513.	485 <i>Microlaena stipoides (Weeping Grass)</i>			
514.	8814 <i>Microtis brownii</i>			
515.	31713 <i>Microtis cupularis</i>			
516.	10954 <i>Microtis media (Tall Mignonette Orchid)</i>			
517.	15419 <i>Microtis media subsp. media</i>			

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518.	-12664 <i>Mituliodon tarantulinus</i>			
519.	37440 <i>Monopsis debilis</i> var. <i>depressa</i>	Y		
520.	4666 <i>Monotaxis occidentalis</i>			
521.	25191 <i>Morethia lineocellata</i>			
522.	2412 <i>Muehlenbeckia adpressa</i> (Climbing Lignum)			
523.	25420 <i>Myobatrachus gouldii</i> (Turtle Frog)			
524.	7291 <i>Myoporum insulare</i> (Blueberry Tree, boobialla)			
525.	6189 <i>Myriophyllum crispatum</i>			
526.	6199 <i>Myriophyllum tillaeoides</i>			
527.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
528.	6974 <i>Nicotiana glauca</i> (Tree Tobacco)	Y		
529.	25748 <i>Ninox novaeseelandiae</i> (Boobook Owl)			
530.	25252 <i>Notechis scutatus</i> (Tiger Snake)			
531.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
532.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
533.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
534.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
535.	14293 <i>Oenothera indecora</i> subsp. <i>bonariensis</i>	Y		
536.	20052 <i>Oenothera jamesii</i>	Y		
537.	16347 <i>Oenothera laciniata</i>	Y		
538.	6140 <i>Oenothera mollissima</i>	Y		
539.	39054 <i>Oligonema schweinitzii</i>			
540.	36177 <i>Ornduffia albiflora</i>			
541.	4113 <i>Ornithopus compressus</i> (Yellow Serradella)	Y		
542.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
543.	24328 <i>Oxyura australis</i> (Blue-billed Duck)			
544.	25679 <i>Pachycephala pectoralis</i> (Golden Whistler)			
545.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
546.	25253 <i>Parasuta gouldii</i>			
547.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
548.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
549.	7090 <i>Parentucellia viscosa</i> (Sticky Bartsia)	Y		
550.	527 <i>Paspalum dilatatum</i>	Y		
551.	532 <i>Paspalum urvillei</i> (Vasey Grass)	Y		
552.	1550 <i>Patersonia occidentalis</i> (Purple Flag, Koma)			
553.	30471 <i>Patersonia occidentalis</i> var. <i>angustifolia</i>			
554.	4343 <i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
555.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
556.	6006 <i>Pericalymma ellipticum</i> (Swamp Teatree)			
557.	16477 <i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
558.	39057 <i>Perichaena corticalis</i>			
559.	39058 <i>Perichaena depressa</i>			
560.	13911 <i>Pescicaria decipiens</i>			
561.	2273 <i>Persoonia saccata</i> (Snottygobble)			
562.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
563.	2299 <i>Petrophile linearis</i> (Pixie Mops)			
564.	19825 <i>Petrorhagia dubia</i>	Y		
565.	24663 <i>Phaethon rubricauda</i> (Red-tailed Tropicbird)			
566.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
567.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
568.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
569.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
570.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
571.	18529 <i>Philotheca spicata</i> (Pepper and Salt)			
572.	1478 <i>Phlebocarya ciliata</i>			
573.	1479 <i>Phlebocarya filifolia</i>			
574.	25669 <i>Phylidonyris nigra</i> (White-cheeked Honeyeater)			
575.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
576.	4675 <i>Phyllanthus calycinus</i> (False Boronia)			
577.	4 <i>Phylloglossum drummondii</i> (Pigmy Clubmoss)			
578.	4141 <i>Phyllota gracilis</i>			
579.	39061 <i>Physarum bitectum</i>			
580.	39062 <i>Physarum bivalve</i>			Y
581.	39063 <i>Physarum cinereum</i>			
582.	39064 <i>Physarum citrinum</i>			Y
583.	39065 <i>Physarum compressum</i>			
584.	39069 <i>Physarum famintzinii</i>			Y
585.	39072 <i>Physarum melleum</i>			
586.	39074 <i>Physarum pusillum</i>			
587.	39076 <i>Physarum sessile</i>			

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588.	39079 <i>Physarum viride</i>			
589.	2793 <i>Phytolacca octandra</i> (Red Ink Plant)	Y		
590.	<i>Phytophthora cinnamomi</i>			
591.	5243 <i>Pimelea ferruginea</i>			
592.	11402 <i>Pimelea imbricata</i> var. <i>piligera</i>			
593.	5254 <i>Pimelea leucantha</i>			
594.	18117 <i>Pimelea rosea</i> subsp. <i>rosea</i>			
595.	12041 <i>Pimelea suaveolens</i> subsp. <i>suaveolens</i>			
596.	42281 <i>Pithocarpa cordata</i>			
597.	18353 <i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
598.	24841 <i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
599.	25720 <i>Platycercus icterotis</i> (Western Rosella)			
600.	24747 <i>Platycercus spurius</i> (Red-capped Parrot)			
601.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
602.	24750 <i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
603.	6249 <i>Platysace compressa</i> (Tapeworm Plant)			
604.	6253 <i>Platysace filiformis</i>			
605.	4524 <i>Platytheca galioides</i>			
606.	25007 <i>Pletholax gracilis</i> subsp. <i>gracilis</i> (Keeled Legless Lizard)			
607.	578 <i>Poa porphyroclados</i>			
608.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
609.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
610.	8175 <i>Podolepis gracilis</i> (Slender Podolepis)			
611.	8182 <i>Pododtheca angustifolia</i> (Sticky Longheads)			
612.	8183 <i>Pododtheca chrysantha</i> (Yellow Pododtheca)			
613.	8184 <i>Pododtheca gnaphalioides</i> (Golden Long-heads)			
614.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
615.	24681 <i>Poliocephalus poliocephalus</i> (Hoary-headed Grebe)			
616.	582 <i>Polypogon monspeliensis</i> (Annual Beardgrass)	Y		
617.	25722 <i>Polytelis anthopeplus</i> (Regent Parrot)			
618.	4691 <i>Poranthera microphylla</i> (Small Poranthera)			
619.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
620.	24767 <i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swamphen)			
621.	24769 <i>Porzana fluminea</i> (Australian Spotted Crane)			
622.	25732 <i>Porzana pusilla</i> (Baillon's Crane)			
623.	24771 <i>Porzana tabuensis</i> (Spotless Crane)			
624.	1670 <i>Prasophyllum drummondii</i> (Swamp Leek Orchid)			
625.	1672 <i>Prasophyllum fimbria</i> (Fringed Leek Orchid)			
626.	1673 <i>Prasophyllum gibbosum</i> (Humped Leek Orchid)			
627.	1677 <i>Prasophyllum macrostachyum</i> (Laughing Leek Orchid)			
628.	10853 <i>Prasophyllum plumiforme</i>			
629.	1681 <i>Prasophyllum regium</i> (King Leek Orchid)			
630.	25511 <i>Pseudonaja affinis</i> (Dugite)			
631.	25259 <i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			
632.	25433 <i>Pseudophryne guentheri</i> (Crawling Toadlet)			
633.	15426 <i>Pterostylis aspera</i>			
634.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
635.	2751 <i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
636.	4177 <i>Pultenaea ochreatea</i>			
637.	4181 <i>Pultenaea reticulata</i>			
638.	25008 <i>Pygopus lepidopodus</i> (Common Scaly Foot)			
639.	16367 <i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
640.	8195 <i>Quinetia urvillei</i>			
641.	25271 <i>Ramphotyphlops australis</i>			
642.	24243 <i>Rattus fuscipes</i> (Western Bush Rat)			
643.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
644.	-13643 <i>Raveniella peckorum</i>			
645.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
646.	6012 <i>Regelia ciliata</i>			
647.	6014 <i>Regelia inops</i>			
648.	4822 <i>Rhamnus alaternus</i> (Buckthorn)	Y		
649.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
650.	14485 <i>Romulea flava</i> var. <i>minor</i>	Y		
651.	1556 <i>Romulea rosea</i> (Guildford Grass)	Y		
652.	14924 <i>Romulea rosea</i> var. <i>communis</i>	Y		
653.	32425 <i>Rosulabryum billarderi</i>			
654.	11647 <i>Samolus repens</i> var. <i>repens</i>			
655.	7603 <i>Scaevola canescens</i> (Grey Scaevola)			
656.	978 <i>Schoenus brevisetis</i>			
657.	979 <i>Schoenus caespititius</i>			

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658.	982 <i>Schoenus clandestinus</i>			
659.	984 <i>Schoenus curvifolius</i>			
660.	986 <i>Schoenus efoliatus</i>			
661.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
662.	6033 <i>Scholtzia involucreta</i> (Spiked Scholtzia)			
663.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
664.	25878 <i>Senecio condylus</i>			
665.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
666.	-11953 <i>Servaea melaina</i>			
667.	15972 <i>Silene gallica</i> var. <i>gallica</i>	Y		
668.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
669.	-12269 <i>Simaetha tenuior</i>			
670.	25266 <i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
671.	30948 <i>Smicronis brevirostris</i> (Weebill)			
672.	7020 <i>Solanum linnaeanum</i> (Apple of Sodom)	Y		
673.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
674.	7037 <i>Solanum symonii</i>			
675.	8228 <i>Solidago canadensis</i> (Goldenrod)	Y		
676.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
677.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
678.	4211 <i>Sphaerolobium vimineum</i> (Leafless Globe Pea)			
679.	4828 <i>Spyridium globulosum</i> (Basket Bush)			
680.	9069 <i>Stackhousia huegelii</i>			
681.	-11894 <i>Steatoda capensis</i>			
682.	2918 <i>Stellaria media</i> (Chickweed)	Y		
683.	39083 <i>Stemonitis fusca</i>			
684.	39088 <i>Stemonitis virginiensis</i>			
685.	39090 <i>Stemonitopsis gracilis</i>			
686.	24528 <i>Sterna hybrida</i> subsp. <i>javanica</i> (Whiskered Tern)			
687.	24329 <i>Stictonetta naevosa</i> (Freckled Duck)			
688.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
689.	25597 <i>Strepera versicolor</i> (Grey Currawong)			
690.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
691.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
692.	25831 <i>Stylidium araeophyllum</i>			
693.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
694.	7774 <i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
695.	7777 <i>Stylidium preissii</i> (Lizard Triggerplant)			
696.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
697.	25806 <i>Stylidium scariosum</i>			
698.	7798 <i>Stylidium schoenoides</i> (Cow Kicks)			
699.	25830 <i>Stylidium</i> sp. Darling Range (H. Bowler 371)			
700.	1260 <i>Stypandra glauca</i> (Blind Grass)			
701.	15532 <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
702.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
703.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
704.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
705.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
706.	4535 <i>Tetratheca hirsuta</i> (Black Eyed Susan)			
707.	1702 <i>Thelymitra campanulata</i> (Shirt Orchid)			
708.	1710 <i>Thelymitra mucida</i> (Plum Orchid)			
709.	1716 <i>Thelymitra tigrina</i> (Tiger Orchid)			
710.	24844 <i>Threskiornis molucca</i> (Australian White Ibis)			
711.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
712.	1318 <i>Thysanotus arbuscula</i>			
713.	1319 <i>Thysanotus arenarius</i>			
714.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
715.	1343 <i>Thysanotus patersonii</i>			
716.	1351 <i>Thysanotus sparteus</i>			
717.	1357 <i>Thysanotus thyrsoideus</i>			
718.	1358 <i>Thysanotus triandrus</i>			
719.	25207 <i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
720.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
721.	24309 <i>Todiramphus sanctus</i> subsp. <i>sanctus</i> (Sacred Kingfisher)			
722.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
723.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		
724.	39094 <i>Trichia affinis</i>			
725.	39095 <i>Trichia botrytis</i>			
726.	39096 <i>Trichia contorta</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
727.	39097 <i>Trichia decipiens</i>			
728.	39100 <i>Trichia persimilis</i>			
729.	39101 <i>Trichia varia</i>			
730.	39102 <i>Trichia verrucosa</i>			
731.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
732.	25521 <i>Trichosurus vulpecula</i> (Common Brushtail Possum)			
733.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
734.	1038 <i>Tricostularia neesii</i>			
735.	4289 <i>Trifolium angustifolium</i> (Narrowleaf Clover)	Y		
736.	17145 <i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Y		
737.	4292 <i>Trifolium campestre</i> (Hop Clover)	Y		
738.	14738 <i>Trifolium resupinatum</i> var. <i>resupinatum</i>	Y		
739.	4309 <i>Trifolium scabrum</i> (Rough Clover)	Y		
740.	4360 <i>Tropaeolum majus</i> (Garden Nasturtium)	Y		
741.	39103 <i>Tubifera ferruginosa</i>			
742.	98 <i>Typha domingensis</i> (Bulrush, Djandjind)			
743.	24852 <i>Tyto alba</i> subsp. <i>delicatula</i> (Barn Owl)			
744.	-12897 <i>Urodacus novaehollandiae</i>			
745.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
746.	38388 <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>	Y		
747.	25577 <i>Vanellus miles</i> (Masked Lapwing)			
748.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
749.	-11839 <i>Venator immansueta</i>			
750.	15432 <i>Verticordia densiflora</i> var. <i>densiflora</i>			
751.	6077 <i>Verticordia drummondii</i> (Drummond's Featherflower)			
752.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
753.	4320 <i>Vicia hirsuta</i> (Hairy Vetch)	Y		
754.	11474 <i>Vicia sativa</i> subsp. <i>nigra</i>	Y		
755.	4325 <i>Viminaria juncea</i> (Swishbush, Koweda)			
756.	722 <i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
757.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
758.	7389 <i>Wahlenbergia preissii</i>			
759.	8282 <i>Waitzia suaveolens</i> (Fragrant Waitzia)			
760.	1567 <i>Watsonia meriana</i> (Bulbil Watsonia)	Y		
761.	39104 <i>Willkommlangea reticulata</i>			
762.	1256 <i>Xanthorrhoea preissii</i> (Grass tree, Palga)			
763.	6289 <i>Xanthosia huegelii</i>			
764.	2331 <i>Xylomelum occidentale</i> (Woody Pear, Djandjin)			
765.	1049 <i>Zantedeschia aethiopica</i> (Arum Lily)	Y		
766.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereye)			

Conservation Codes

T - Rare or likely to become extinct
X - Presumed extinct
IA - Protected under international agreement
S - Other specially protected fauna
1 - Priority 1
2 - Priority 2
3 - Priority 3
4 - Priority 4
5 - Priority 5

¹ For NatureMap's purposes, species flagged as endemic are those whose records are wholly contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.

APPENDIX 4

Protected Matters Search Tool Report



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 21/07/14 16:59:39

[Summary](#)

[Details](#)

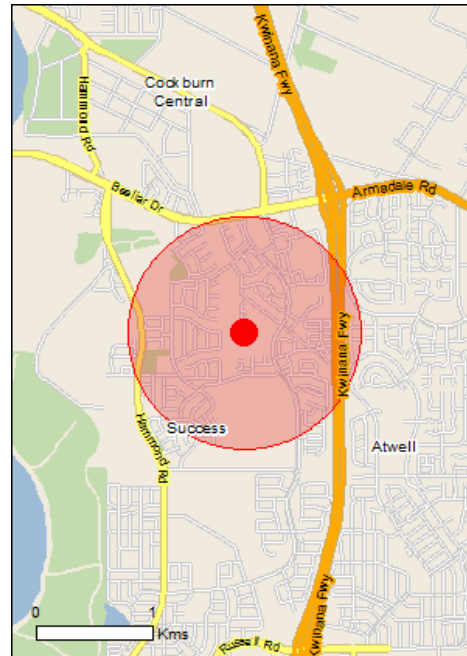
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

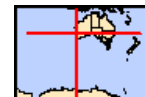
[Acknowledgements](#)



This map may contain data which are
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[Coordinates](#)

Buffer: 1.0Km



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	2
Great Barrier Reef Marine Park:	None
Commonwealth Marine Areas:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	17
Listed Migratory Species:	6

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As [heritage values](#) of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place and the heritage values of a place on the Register of the National Estate.

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	1
Commonwealth Heritage Places:	None
Listed Marine Species:	7
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

Place on the RNE:	1
State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	39
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (RAMSAR)	[Resource Information]
Name	Proximity
Forrestdale & thomsons lakes	Within 10km of Ramsar
Peel-yalgorup system	Upstream from Ramsar

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo [67034]	Vulnerable	Species or species habitat may occur within area
Calyptorhynchus latirostris Carnaby's Black-Cockatoo, Short-billed Black-Cockatoo [59523]	Endangered	Species or species habitat likely to occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Mammals		
Dasyurus geoffroi Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir [25911]	Vulnerable	Species or species habitat may occur within area
Setonix brachyurus Quokka [229]	Vulnerable	Species or species habitat may occur within area
Plants		

Name	Status	Type of Presence
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat may occur within area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat likely to occur within area
Centrolepis caespitosa [6393]	Endangered	Species or species habitat likely to occur within area
Darwinia foetida Muccha Bell [83190]	Critically Endangered	Species or species habitat likely to occur within area
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area
Diuris purdiei Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat likely to occur within area
Drakaea elastica Glossy-leaved Hammer-orchid, Praying Virgin [16753]	Endangered	Species or species habitat likely to occur within area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat likely to occur within area
Lepidosperma rostratum Beaked Lepidosperma [14152]	Endangered	Species or species habitat likely to occur within area

Listed Migratory Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Breeding known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [\[Resource Information \]](#)

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name

Commonwealth Land -

Listed Marine Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Breeding known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat likely to occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Extra Information

Places on the RNE [\[Resource Information \]](#)

Note that not all Indigenous sites may be listed.

Name	State	Status
Natural Reserve 7756 (March 1978 Boundary)	WA	Registered

Invasive Species [\[Resource Information \]](#)

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Acridotheres tristis Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Streptopelia senegalensis Laughing Turtle-dove, Laughing Dove [781]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Turdus merula Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Funambulus pennanti Northern Palm Squirrel, Five-striped Palm Squirrel [129]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus norvegicus Brown Rat, Norway Rat [83]		Species or species habitat likely to occur within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Vulpes vulpes Red Fox, Fox [18]		within area Species or species habitat likely to occur within area
Plants		
Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]		Species or species habitat likely to occur within area
Asparagus aethiopicus Asparagus Fern, Ground Asparagus, Basket Fern, Sprengi's Fern, Bushy Asparagus, Emerald Asparagus [62425]		Species or species habitat likely to occur within area
Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]		Species or species habitat likely to occur within area
Asparagus plumosus Climbing Asparagus-fern [48993]		Species or species habitat likely to occur within area
Brachiaria mutica Para Grass [5879]		Species or species habitat may occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat may occur within area
Chrysanthemoides monilifera Bitou Bush, Boneseed [18983]		Species or species habitat may occur within area
Chrysanthemoides monilifera subsp. monilifera Boneseed [16905]		Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana Broom [67538]		Species or species habitat may occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area
Olea europaea Olive, Common Olive [9160]		Species or species habitat may occur within area
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]		Species or species habitat may occur within area
Protasparagus plumosus Climbing Asparagus-fern, Ferny Asparagus [11747]		Species or species habitat likely to occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		Species or species habitat likely to occur within area
Sagittaria platyphylla Delta Arrowhead, Arrowhead, Slender Arrowhead [68483]		Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and		Species or species

Name	Status	Type of Presence
Sterile Pussy Willow [68497]		habitat likely to occur within area
Salvinia molesta		
Salvinia, Giant Salvinia, Aquarium Watermoss, Kariba Weed [13665]		Species or species habitat likely to occur within area
Tamarix aphylla		
Athel Pine, Athel Tree, Tamarisk, Athel Tamarisk, Athel Tamarix, Desert Tamarisk, Flowering Cypress, Salt Cedar [16018]		Species or species habitat likely to occur within area
Reptiles		
Hemidactylus frenatus		
Asian House Gecko [1708]		Species or species habitat likely to occur within area
Nationally Important Wetlands		[Resource Information]
Name		State
Gibbs Road Swamp System		WA

Coordinates

-32.13667 115.85262

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [Department of Environment, Climate Change and Water, New South Wales](#)
- [Department of Sustainability and Environment, Victoria](#)
- [Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [Department of Environment and Natural Resources, South Australia](#)
- [Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [Environmental and Resource Management, Queensland](#)
- [Department of Environment and Conservation, Western Australia](#)
- [Department of the Environment, Climate Change, Energy and Water](#)
- [Birds Australia](#)
- [Australian Bird and Bat Banding Scheme](#)
- [Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [Museum Victoria](#)
- [Australian Museum](#)
- [SA Museum](#)
- [Queensland Museum](#)
- [Online Zoological Collections of Australian Museums](#)
- [Queensland Herbarium](#)
- [National Herbarium of NSW](#)
- [Royal Botanic Gardens and National Herbarium of Victoria](#)
- [Tasmanian Herbarium](#)
- [State Herbarium of South Australia](#)
- [Northern Territory Herbarium](#)
- [Western Australian Herbarium](#)
- [Australian National Herbarium, Atherton and Canberra](#)
- [University of New England](#)
- [Ocean Biogeographic Information System](#)
- [Australian Government, Department of Defence](#)
- [State Forests of NSW](#)
- [Geoscience Australia](#)
- [CSIRO](#)
- Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact Us](#) page.

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APPENDIX 5

Conservation Codes

Western Australian and Commonwealth of Australia Conservation Codes

Flora

Definitions of the Conservation Codes for the Status of Flora under the Wildlife Conservation Act 1950 follow:

T: Threatened Flora (Declared Rare Flora — Extant)

Taxa which have been adequately searched for and are deemed to be in the wild either rare, in danger of extinction, or otherwise in need of special protection, and have been gazetted as such (Schedule 1 under the Wildlife Conservation Act 1950).

Threatened Flora (Schedule 1) are further ranked by the Department according to their level of threat using IUCN Red List criteria:

CR: Critically Endangered

Considered to be facing an extremely high risk of extinction in the wild

EN: Endangered

Considered to be facing a very high risk of extinction in the wild

VU: Vulnerable

Considered to be facing a high risk of extinction in the wild.

X: Presumed Extinct Flora (Declared Rare Flora — Extinct)

Taxa which have been adequately searched for and there is no reasonable doubt that the last individual has died, and have been gazetted as such (Schedule 2 under the Wildlife Conservation Act 1950).

Taxa that have not yet been adequately surveyed to be listed under Schedule 1 or 2 are added to the Priority Flora List under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of conservation status so that consideration can be given to their declaration as threatened flora or fauna. Taxa that are adequately known, are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring. Conservation Dependent species are placed in Priority 5.

Priority One: Poorly-known taxa

Taxa that are known from one or a few collections or sight records (generally less than five), all on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, Shire, Westrail and Main Roads WA road, gravel and soil reserves, and active mineral leases and under threat of habitat destruction or degradation. Taxa may be included if they are comparatively well known from one or

more localities but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes.

Priority Two: Poorly-known taxa

Taxa that are known from one or a few collections or sight records, some of which are on lands not under imminent threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves, etc. Taxa may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes.

Priority Three: Poorly-known taxa

Taxa that are known from collections or sight records from several localities not under imminent threat, or from few but widespread localities with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Taxa may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and known threatening processes exist that could affect them.

Priority Four: Rare, Near Threatened and other taxa in need of monitoring

Rare. Taxa that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These taxa are usually represented on conservation lands.

Near Threatened. Taxa that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.

Taxa that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.

Priority Five: Conservation Dependent taxa

Taxa that are not threatened but are subject to a specific conservation program, the cessation of which would result in the taxon becoming threatened within five years.

Vegetation

Definitions and criteria for presumed totally destroyed, critically endangered, endangered and vulnerable ecological communities are outlined below.

Presumed Totally Destroyed (PD)

An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence

of it is likely to recover its species composition and/or structure in the foreseeable future.

Critically Endangered (CR)

An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.

Endangered (EN)

An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or was originally of limited distribution and is in danger of significant modification throughout its range or severe modification or destruction over most of its range in the near future.

Vulnerable (VU)

An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatening processes continue or begin operating throughout its range.

Possible threatened ecological communities that do not meet survey criteria are added to DEC's Priority Ecological Community Lists under Priorities 1, 2 and 3. Ecological Communities that are adequately known, are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list, are placed in Priority 4. These ecological communities require regular monitoring. Conservation Dependent ecological communities are placed in Priority 5.

Priority One: Poorly-known ecological communities

Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤ 5 occurrences or a total area of ≤ 100 ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.

Priority Two: Poorly-known ecological communities

Communities that are known from few occurrences with a restricted distribution (generally ≤ 10 occurrences or a total area of ≤ 200 ha). At least some occurrences are

not believed to be under immediate threat of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.

Priority Three: Poorly known ecological communities

(i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or:

(ii) communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or;

(iii) communities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, and inappropriate fire regimes.

Communities may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and/or are not well defined, and known threatening processes exist that could affect them.

Priority Four: Ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring.

(i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands.

(ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.

(iii) Ecological communities that have been removed from the list of threatened communities during the past five years.

Priority Five: Conservation Dependent ecological communities

Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.

Fauna

In Western Australia, all native fauna species are protected under the *Wildlife Conservation Act 1950-1979*. Fauna species that are considered rare, threatened with extinction or have a high conservation value are specially protected under the Act. In addition, some species of fauna are covered under the 1991 ANZECC convention, while certain birds are listed under the Japan and Australian Migratory Bird Agreement (JAMBA) and the China and Australian Migratory Bird Agreement (CAMBA). In addition to the above classification, DEC also classifies fauna under five different Priority codes and rare and endangered fauna are classified under the Wildlife Conservation (Specially Protected Fauna) Notice 2006 into four schedules of taxa.

Schedule 1

Fauna which are rare or likely to become extinct and are declared to be fauna in need of special protection.

Schedule 2

Fauna which are presumed to be extinct and are declared to be fauna in need of special protection.

Schedule 3

Birds which are subject to an agreement between the governments of Australia and Japan relating to the protection of migratory birds and birds in danger of extinction which are declared to be fauna in need of special protection.

Schedule 4

Fauna that are in need of special protection, otherwise than for the reasons mentioned in Schedule 1, 2 or 3.

In addition to the above classification, the DEC also classifies fauna under five different priority codes:

Priority One: Taxa with few, poorly known populations on threatened lands

Taxa which are known from few specimens or sight records from one or a few localities on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, active mineral leases. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Two: Taxa with few, poorly known populations on conservation lands

Taxa which are known from few specimens or sight records from one or a few localities on lands not under immediate threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, unallocated Crown land, water reserves, etc. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Three: Taxa with several, poorly known populations, some on conservation lands

Taxa which are known from few specimens or sight records from several localities, some of which are on lands not under immediate threat of habitat destruction or degradation. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Four: Taxa in need of monitoring

Taxa which are considered to have been adequately surveyed, or for which sufficient knowledge is available, and which are considered not currently threatened or in need of special protection, but could be if present circumstances change. These taxa are usually represented on conservation lands.

Priority Five: Taxa in need of monitoring (conservation dependent)

Taxa which are not considered threatened but are subject to a specific conservation program, the cessation of which would result in the species becoming threatened within five years.

Commonwealth of Australia Conservation Codes

The Commonwealth *Environment Protection and Biodiversity Conservation Act, 1999* has the following nine conservation codes for Flora and Fauna.

Extinct

Taxa not definitely located in the wild during the past 50 years

Extinct in the Wild

Taxa known to survive only in captivity

Critically Endangered

Taxa facing an extremely high risk of extinction in the wild in the immediate future

Endangered

Taxa facing a very high risk of extinction in the wild in the near future

Vulnerable

Taxa facing a high risk of extinction in the wild in the medium-term

Near Threatened

Taxa that risk becoming Vulnerable in the wild

Conservation Dependent

Taxa whose survival depends upon ongoing conservation measures. Without these measures, a conservation dependent taxon would be classified as Vulnerable or more severely threatened.

Data Deficient (Insufficiently Known)

Taxa suspected of being Rare, Vulnerable or Endangered, but whose true status cannot be determined without more information.

Least Concern

Taxa that are not considered Threatened

APPENDIX 6

DPaW Fauna Database Search Results

NAME	SOURCE_CODE	SOURCE_ID	NAME_ID	FAMILY	GENUS	SPECIES	INFRA RANK	INFRA NAME	AUTHOR	VERNACULAR	KINGDOM	CONSV CODE	CLASS	LOCALITY NAME	SITE NAME	DAY	MONTH	YEAR
Calidris ferruginea	TFAUNA	23017	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake Nature Reserve	01	01	2008
Calidris ferruginea	BIRDATLAS2	142101161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Kogolup Lake, Beeliar	16	02	2001
Calidris ferruginea	BIRDATLAS2	619041161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake, Beeliar	15	01	2000
Calidris ferruginea	BIRDATLAS2	50091591161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	22	12	2004
Calidris ferruginea	BIRDATLAS2	60093741161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	24	12	2005
Calidris ferruginea	BIRDATLAS2	619051161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake, Beeliar	29	01	2000
Calidris ferruginea	BIRDATLAS2	50197251161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	05	12	2007
Calidris ferruginea	BIRDATLAS2	50735481161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	01	11	2010
Calidris ferruginea	BIRDATLAS2	50745881161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	16	10	2010
Calidris ferruginea	BIRDATLAS2	50091571161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	BELLIAR	Thomsons Lake	18	12	2004
Calidris ferruginea	BIRDATLAS2	133870161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	YANGEBUP	Yangebup Lake	21	01	2001
Calidris ferruginea	BIRDATLAS2	4393971161	24784	Scolopacidae	Calidris	ferruginea			(Pontoppidan)	Curlew Sandpiper	Animalia	T	BIRD	SOUTH LAKE	South Lake 6164	19	03	2005
Calyptorhynchus banksii subsp. naso	TFAUNA	19211	24731	Psittacidae	Calyptorhynchus	banksii	subsp.	naso	Gould	Forest Red-tailed Black-Cockatoo	Animalia	T	BIRD	BANJUP		03	07	2011
Calyptorhynchus latirostris	BIRDATLAS2	267982 794	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	WATTLEUP	Thomsons Lake, Beeliar	30	12	2001
Calyptorhynchus latirostris	BIRDATLAS2	266533 794	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	WATTLEUP	Thompsons Lake	30	12	2001
Calyptorhynchus latirostris	WAM_BIRDS	urn:lsid:taxonomy.org.au:AVIF:38471	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BANJUP	Banjup	26	09	2012
Calyptorhynchus latirostris	TFAUNA	19210	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BANJUP		01	12	2011
Calyptorhynchus latirostris	BIRDATLAS2	218891 794	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BANJUP	Buckingham Reserve	17	07	2005
Calyptorhynchus latirostris	TFAUNA	20060	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Jandakot	16	09	2009
Calyptorhynchus latirostris	TFAUNA	24049	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	02	05	2009
Calyptorhynchus latirostris	TFAUNA	20061	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Jandakot	07	04	2010
Calyptorhynchus latirostris	TFAUNA	20037	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS		08	05	2010
Calyptorhynchus latirostris	TFAUNA	20058	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Jandakot	06	06	2009
Calyptorhynchus latirostris	TFAUNA	24051	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	20	06	2010
Calyptorhynchus latirostris	TFAUNA	20057	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Jandakot	19	05	2009
Calyptorhynchus latirostris	TFAUNA	24046	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	16	04	2009
Calyptorhynchus latirostris	TFAUNA	24047	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	18	04	2009
Calyptorhynchus latirostris	TFAUNA	24052	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	05	06	2011
Calyptorhynchus latirostris	TFAUNA	24053	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	07	04	2011
Calyptorhynchus latirostris	TFAUNA	23630	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	14	05	2006
Calyptorhynchus latirostris	TFAUNA	20038	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS		10	07	2010
Calyptorhynchus latirostris	TFAUNA	20036	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	SUCCESS	Success	07	04	2010
Calyptorhynchus latirostris	TFAUNA	23627	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	AUBIN GROVE	Aubin Grove	14	05	2006
Calyptorhynchus latirostris	TFAUNA	23685	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	ATWELL	Atwell	26	03	2006
Calyptorhynchus latirostris	TFAUNA	22706	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	HAMMOND PARK	Hammond Park	07	11	2012
Calyptorhynchus latirostris	TFAUNA	22723	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	HAMMOND PARK	Hammond Park	17	01	2013
Calyptorhynchus latirostris	TFAUNA	22718	24734	Psittacidae	Calyptorhynchus	latirostris			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	HAMMOND PARK	Hammond Park	03	01	2012

NAME	SOURCE_CODE	SOURCE_ID	NAME_ID	FAMILY	GENUS	SPECIES	INFRA RANK	INFRA NAME	AUTHOR	VERNACULAR	KINGDOM	CONSV CODE	CLASS	LOCALITY NAME	SITE NAME	DAY	MONTH	YEAR
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5089048 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BEELIAR	Thomsons Lake	22	09	2011
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5085599 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BEELIAR	Thomsons Lake	26	07	2011
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5021683 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BEELIAR	Kogolup Lake south eye	25	01	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5056756 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BEELIAR	Kogolup Swamp	16	02	2010
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5077498 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	BEELIAR	Kogolup Lake south eye	04	02	2011
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5009155 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake west	04	10	2004
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5012268 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Little Rush Lake, Yangebup	05	03	2007
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5025809 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Little Rush Lake south	18	06	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5024623 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake general	28	03	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5009224 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake west	13	04	2006
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5021681 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake Spit	27	01	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5009225 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake west	06	06	2006
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5009223 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake west	27	03	2005
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5021674 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Little Rush Lake, Yangebup	05	02	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5080154 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake general	06	02	2011
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	496658 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake	12	03	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5009269 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake general	01	05	2004
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5025811 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake general	20	06	2008
<i>Calyptorhynchus latirostris</i>	BIRDATLAS2	5122165 794	24734	Psittacidae	<i>Calyptorhynchus</i>	<i>latirostris</i>			Carnaby	Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo	Animalia	T	BIRD	YANGEBUP	Yangebup Lake general	09	03	2013
<i>Myrmecobius fasciatus</i>	TFAUNA	676	24146	Myrmecobiidae	<i>Myrmecobius</i>	<i>fasciatus</i>			Waterhouse	Numbat, Walpurti	Animalia	T	MAMMAL	JANDAKOT	Jandakot	01	12	1989
<i>Myrmecobius fasciatus</i>	TFAUNA	7968	24146	Myrmecobiidae	<i>Myrmecobius</i>	<i>fasciatus</i>			Waterhouse	Numbat, Walpurti	Animalia	T	MAMMAL	COCKBURN CENTRAL	Jandakot	01	12	1982
<i>Myrmecobius fasciatus</i>	TFAUNA	7970	24146	Myrmecobiidae	<i>Myrmecobius</i>	<i>fasciatus</i>			Waterhouse	Numbat, Walpurti	Animalia	T	MAMMAL	BEELIAR	Thomsons Lake Nature Reserve	03	10	1984
<i>Perameles bougainville</i>	FAUNASURVEY	253564	25504	Peramelidae	<i>Perameles</i>	<i>bougainville</i>			Quoy & Gaimard	Western Barred Bandicoot, Marl	Animalia	T	MAMMAL	WATTLEUP	KULAI RD RESERVE	19	08	2009
<i>Falco peregrinus</i>	BIRDATLAS2	5089048 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	BEELIAR	Thomsons Lake	22	09	2011
<i>Falco peregrinus</i>	BIRDATLAS2	5009721 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	BEELIAR	Thomsons Lake	09	01	2006
<i>Falco peregrinus</i>	BIRDATLAS2	5121716 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	BEELIAR	Kogolup Lake south eye	16	02	2013
<i>Falco peregrinus</i>	BIRDATLAS2	5018527 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	BEELIAR	Thomsons Lake NE	25	10	2007
<i>Falco peregrinus</i>	BIRDATLAS2	5122165 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	YANGEBUP	Yangebup Lake general	09	03	2013
<i>Falco peregrinus</i>	BIRDATLAS2	5013472 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	YANGEBUP	Little Rush Lake, Yangebup	13	01	2007
<i>Falco peregrinus</i>	BIRDATLAS2	5013487 237	25624	Falconidae	<i>Falco</i>	<i>peregrinus</i>			Tunstall	Peregrine Falcon	Animalia	S	BIRD	YANGEBUP	Little Rush Lake, Yangebup	03	02	2007
<i>Falco peregrinus</i> subsp. <i>macropterus</i>	TFAUNA	3351	24475	Falconidae	<i>Falco</i>	<i>peregrinus</i>	subsp.	<i>macropterus</i>	Swainson	Australian Peregrine Falcon	Animalia	S	BIRD	YANGEBUP	Cockburn	01	04	1998
<i>Actitis hypoleucos</i>	BIRDATLAS2	5009054 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	BEELIAR	Lake Yangebup	11	02	2007
<i>Actitis hypoleucos</i>	BIRDATLAS2	2951011 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	13	08	2003
<i>Actitis hypoleucos</i>	BIRDATLAS2	5037588 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	13	02	2009
<i>Actitis hypoleucos</i>	BIRDATLAS2	2623181 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	02	02	2002
<i>Actitis hypoleucos</i>	BIRDATLAS2	1338701 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	21	01	2001
<i>Actitis hypoleucos</i>	BIRDATLAS2	5009160 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	27	03	2005
<i>Actitis hypoleucos</i>	BIRDATLAS2	5120908 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	16	02	2013
<i>Actitis hypoleucos</i>	BIRDATLAS2	5017167 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	10	09	2007
<i>Actitis hypoleucos</i>	BIRDATLAS2	5091734 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	24	10	2011
<i>Actitis hypoleucos</i>	BIRDATLAS2	5076731 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake Spit	16	01	2011
<i>Actitis hypoleucos</i>	BIRDATLAS2	64711 157	41323	Scolopacidae	<i>Actitis</i>	<i>hypoleucos</i>			Linnaeus	Common Sandpiper	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	26	01	1999
<i>Ardea modesta</i>	BIRDATLAS2	271073 187	41324	Ardeidae	<i>Ardea</i>	<i>modesta</i>			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BIBRA LAKE	Bibra Lake	05	04	2002
<i>Ardea modesta</i>	BIRDATLAS2	262071 187	41324	Ardeidae	<i>Ardea</i>	<i>modesta</i>			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	COCKBURN CENTRAL	Yangebup Lake	06	01	2002
<i>Ardea modesta</i>	BIRDATLAS2	107781 187	41324	Ardeidae	<i>Ardea</i>	<i>modesta</i>			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	COCKBURN CENTRAL	Yangebup Lake	17	03	1999

NAME	SOURCE_CODE	SOURCE_ID	NAME_ID	FAMILY	GENUS	SPECIES	INFRA RANK	INFRA NAME	AUTHOR	VERNACULAR	KINGDOM	CONSV CODE	CLASS	LOCALITY NAME	SITE NAME	DAY	MONTH	YEAR
Ardea modesta	BIRDATLAS2	5032298 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	03	11	2008
Ardea modesta	BIRDATLAS2	5104351 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	08	01	2012
Ardea modesta	BIRDATLAS2	5089048 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	22	09	2011
Ardea modesta	BIRDATLAS2	5013471 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	06	01	2007
Ardea modesta	BIRDATLAS2	5121716 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake south eye	16	02	2013
Ardea modesta	BIRDATLAS2	5036726 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	31	12	2008
Ardea modesta	BIRDATLAS2	5057959 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	11	03	2010
Ardea modesta	BIRDATLAS2	5012752 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	15	11	2006
Ardea modesta	BIRDATLAS2	5113265 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	24	09	2012
Ardea modesta	BIRDATLAS2	619041 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	15	01	2000
Ardea modesta	BIRDATLAS2	5009373 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	16	12	2005
Ardea modesta	BIRDATLAS2	5019085 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake NE	13	11	2007
Ardea modesta	BIRDATLAS2	410310 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Bibra Lake	18	08	2003
Ardea modesta	BIRDATLAS2	5055087 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	02	01	2010
Ardea modesta	BIRDATLAS2	282184 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	14	12	2001
Ardea modesta	BIRDATLAS2	124684 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	27	01	2001
Ardea modesta	BIRDATLAS2	133869 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	12	01	2001
Ardea modesta	BIRDATLAS2	5013483 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	14	01	2007
Ardea modesta	BIRDATLAS2	5056755 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	26	01	2007
Ardea modesta	BIRDATLAS2	5018317 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	18	10	2010
Ardea modesta	BIRDATLAS2	5093590 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomson Lake Beeliar Reserves	18	11	2011
Ardea modesta	BIRDATLAS2	5058594 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	25	11	2009
Ardea modesta	BIRDATLAS2	5075276 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	27	12	2010
Ardea modesta	BIRDATLAS2	5095954 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	16	11	2011
Ardea modesta	BIRDATLAS2	5032356 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	11	10	2008
Ardea modesta	BIRDATLAS2	135335 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	18	01	2001
Ardea modesta	BIRDATLAS2	80782 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	01	04	2000
Ardea modesta	BIRDATLAS2	138472 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	16	01	2001
Ardea modesta	BIRDATLAS2	5104352 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	08	01	2012
Ardea modesta	BIRDATLAS2	286598 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomson Lake	10	09	2002
Ardea modesta	BIRDATLAS2	5019078 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	09	11	2007
Ardea modesta	BIRDATLAS2	5019548 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	13	12	2007
Ardea modesta	BIRDATLAS2	5018318 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	24	10	2007
Ardea modesta	BIRDATLAS2	138473 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	16	01	2001
Ardea modesta	BIRDATLAS2	122578 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	23	11	2000
Ardea modesta	BIRDATLAS2	167069 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	19	11	2000
Ardea modesta	BIRDATLAS2	131884 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake, Beeliar	11	02	2001
Ardea modesta	BIRDATLAS2	141871 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Lake Coonee, Munster	14	03	1999
Ardea modesta	BIRDATLAS2	5033310 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	14	11	2008
Ardea modesta	BIRDATLAS2	5036724 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	07	01	2009
Ardea modesta	BIRDATLAS2	190796 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	27	09	2001
Ardea modesta	BIRDATLAS2	5031062 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	17	10	2008
Ardea modesta	BIRDATLAS2	5033908 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake	29	11	2008
Ardea modesta	BIRDATLAS2	5120580 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	06	11	2012
Ardea modesta	BIRDATLAS2	5056032 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kouinuu Lake	01	11	2006
Ardea modesta	BIRDATLAS2	5035855 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	07	01	2009
Ardea modesta	BIRDATLAS2	5095960 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	thomsos lake east	29	11	2011
Ardea modesta	BIRDATLAS2	5032368 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	16	09	2008
Ardea modesta	BIRDATLAS2	58249 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	10	12	1999
Ardea modesta	BIRDATLAS2	5009054 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Lake Yangebup	11	02	2007
Ardea modesta	BIRDATLAS2	5100865 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos lake south end	30	09	2011
Ardea modesta	BIRDATLAS2	5032309 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	20	09	2008
Ardea modesta	BIRDATLAS2	5074574 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	25	11	2010
Ardea modesta	BIRDATLAS2	5094524 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	15	11	2011
Ardea modesta	BIRDATLAS2	262308 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomsos Lake, Beeliar	01	12	2001
Ardea modesta	BIRDATLAS2	5038221 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	03	03	2009
Ardea modesta	BIRDATLAS2	286602 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	BEELIAR	Thomson Lake	28	09	2002
Ardea modesta	BIRDATLAS2	5086552 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake	11	08	2011
Ardea modesta	BIRDATLAS2	6308 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangerup Lake	12	01	1999
Ardea modesta	BIRDATLAS2	133870 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	21	01	2001
Ardea modesta	BIRDATLAS2	199041 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake, Yangebup	22	11	2001
Ardea modesta	BIRDATLAS2	5094542 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	30	11	2011
Ardea modesta	BIRDATLAS2	5122165 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	09	03	2013
Ardea modesta	BIRDATLAS2	5012254 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	14	04	2007
Ardea modesta	BIRDATLAS2	5012753 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	12	11	2006
Ardea modesta	BIRDATLAS2	5047868 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake, Yangebup	20	08	2009
Ardea modesta	BIRDATLAS2	487044 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	28	03	2006
Ardea modesta	BIRDATLAS2	5009273 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	05	11	2005
Ardea modesta	BIRDATLAS2	262220 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	25	01	2002
Ardea modesta	BIRDATLAS2	8796 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake, south end	22	01	1999
Ardea modesta	BIRDATLAS2	6401 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake, Yangebup	28	11	1998
Ardea modesta	BIRDATLAS2	5122246 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	16	03	2013
Ardea modesta	BIRDATLAS2	157127 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake, Yangebup	10	02	2001
Ardea modesta	BIRDATLAS2	5122600 187	41324	Ardeidae	Ardea	modesta			J.E. Gray	Eastern Great Egret	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	23	03	2013

NAME	SOURCE_CODE	SOURCE_ID	NAME_ID	FAMILY	GENUS	SPECIES	INFRA RANK	INFRA NAME	AUTHOR	VERNACULAR	KINGDOM	CONSV CODE	CLASS	LOCALITY NAME	SITE NAME	DAY	MONTH	YEAR
Tringa nebularia	BIRDATLAS2	256041158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake	11	01	1999
Tringa nebularia	BIRDATLAS2	50216681158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	08	02	2008
Tringa nebularia	BIRDATLAS2	50128291158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Little Rush Lake, Yangebup	21	02	2007
Tringa nebularia	BIRDATLAS2	50801541158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	06	02	2011
Tringa nebularia	BIRDATLAS2	5013682158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	27	07	2007
Tringa nebularia	BIRDATLAS2	50783861158	24808	Scolopacidae	Tringa	nebularia			(Gunnerus)	Common Greenshank	Animalia	IA	BIRD	YANGEBUP	Yangebup Lake general	02	02	2011
Tringa stagnatilis	BIRDATLAS2	50579591159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	11	03	2010
Tringa stagnatilis	BIRDATLAS2	50767321159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	15	01	2011
Tringa stagnatilis	BIRDATLAS2	50767301159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	16	01	2011
Tringa stagnatilis	BIRDATLAS2	50134711159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	06	01	2007
Tringa stagnatilis	BIRDATLAS2	50576481159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	02	03	2010
Tringa stagnatilis	BIRDATLAS2	50763731159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Swamp	13	01	2011
Tringa stagnatilis	BIRDATLAS2	50767341159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	09	01	2011
Tringa stagnatilis	BIRDATLAS2	50775001159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	30	01	2011
Tringa stagnatilis	BIRDATLAS2	50576571159	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	BEELIAR	Kogolup Lake	06	02	2010
Tringa stagnatilis	WAM_BIRDS	urn:lsid:taxonomy.org:g.au:AVIF:6706	24809	Scolopacidae	Tringa	stagnatilis			(Bechstein)	Marsh Sandpiper	Animalia	IA	BIRD	YANGEBUP	Jandakot Lake	31	01	1950
Xenus cinereus	BIRDATLAS2	51177201160	41351	Scolopacidae	Xenus	cinereus				Terek Sandpiper	Animalia	IA	BIRD	BEELIAR	Thompsons Lake	19	12	2012
Throscodectes xiphos	TFAUNA	6323	33994	Tettigoniidae	Throscodectes	xiphos				cricket	Animalia	1	INVERT	JANDAKOT	Jandakot	29	04	1981
Throscodectes xiphos	TFAUNA	6324	33994	Tettigoniidae	Throscodectes	xiphos				cricket	Animalia	1	INVERT	JANDAKOT	Jandakot	24	03	1975
Throscodectes xiphos	TFAUNA	6657	33994	Tettigoniidae	Throscodectes	xiphos				cricket	Animalia	1	INVERT	JANDAKOT	Jandakot	01	10	1999
Throscodectes xiphos	TFAUNA	6325	33994	Tettigoniidae	Throscodectes	xiphos				cricket	Animalia	1	INVERT	JANDAKOT	Jandakot	18	01	1983
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R144983	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	JANDAKOT AIRPORT	16	11	2001
Lerista lineata	TFAUNA	15061	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	Jandakot	27	09	2000
Lerista lineata	TFAUNA	15098	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	Jandakot	16	11	2001
Lerista lineata	TFAUNA	15011	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	Jandakot	27	11	2001
Lerista lineata	TFAUNA	12169	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	Jandakot	01	03	1978
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R146946	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	JANDAKOT	JANDAKOT AIRPORT	27	11	2001
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R112879	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BIBRA LAKE	COCOS RESERVE	01	01	2003
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R112880	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BIBRA LAKE	COCOS RESERVE	06	01	2003
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62016	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62012	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62086	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62070	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63049	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62029	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62695	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62693	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62071	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63067	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63048	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62037	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63065	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62075	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63053	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63055	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63066	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63061	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63043	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62072	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62076	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62077	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62042	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62034	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R63062	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900
Lerista lineata	WAM_REPTILES	urn:lsid:taxonomy.org:g.au:REPT:R62061	25147	Scincidae	Lerista	lineata			Bell	Perth Slider, Lined Skink	Animalia	3	REPTILE	BEELIAR	JANDAKOT	24	04	1900

NAME	SOURCE_CODE	SOURCE_ID	NAME_ID	FAMILY	GENUS	SPECIES	INFRA RANK	INFRA NAME	AUTHOR	VERNACULAR	KINGDOM	CONSV CODE	CLASS	LOCALITY NAME	SITE NAME	DAY	MONTH	YEAR
Neelaps calonotos	TFAUNA	15114	25249	Elapidae	Neelaps	calonotos			(A.M.C. DumÚril, Bibron & A. DumÚril)	Black-striped Snake	Animalia	3	REPTILE	BEELIAR	Jandakot	01	03	1978
Falsistrellus mackenziei	TFAUNA	3419	24189	Vespertilionidae	Falsistrellus	mackenziei			Kitchener, Caputi & Jones	Western False Pipistrelle	Animalia	4	MAMMAL	WATTLEUP	Harry Waring Marsupial Reserve	29	01	1993
Macropus irma	TFAUNA	7012	24133	Macropodidae	Macropus	irma			(Jourdan)	Western Brush Wallaby	Animalia	4	MAMMAL	JANDAKOT	Jandakot	01	01	2003
Macropus irma	FAUNASURVEY	186348	24133	Macropodidae	Macropus	irma			(Jourdan)	Western Brush Wallaby	Animalia	4	MAMMAL	JANDAKOT	Jandakot Airport	19	04	2011
Macropus irma	FAUNASURVEY	186364	24133	Macropodidae	Macropus	irma			(Jourdan)	Western Brush Wallaby	Animalia	4	MAMMAL	JANDAKOT	Jandakot Airport	21	04	2011
Synemon gratiiosa	FAUNASURVEY	184301	33992	Castniidae	Synemon	gratiiosa				Graceful Sunmoth	Animalia	4	INVERT	JANDAKOT	Jandakot Airport	02	03	2011
Synemon gratiiosa	FAUNASURVEY	184303	33992	Castniidae	Synemon	gratiiosa				Graceful Sunmoth	Animalia	4	INVERT	JANDAKOT	Jandakot Airport	07	03	2011
Synemon gratiiosa	FAUNASURVEY	184302	33992	Castniidae	Synemon	gratiiosa				Graceful Sunmoth	Animalia	4	INVERT	JANDAKOT	Jandakot Airport	07	03	2011
Synemon gratiiosa	TFAUNA	16671	33992	Castniidae	Synemon	gratiiosa				Graceful Sunmoth	Animalia	4	INVERT	YANGEBUP	Jandakot	15	03	1969
Isodon obesulus subsp. fusciventer	FAUNASURVEY	431741	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	WATTLEUP	Harry Waring Marsupial Reserve	15	08	2011
Isodon obesulus subsp. fusciventer	FAUNASURVEY	56868	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	WATTLEUP	Frankland Ave	16	11	2009
Isodon obesulus subsp. fusciventer	FAUNASURVEY	56872	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	WATTLEUP	Frankland Ave	17	11	2009
Isodon obesulus subsp. fusciventer	TFAUNA	11355	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BANJUP	Banjup	01	02	2006
Isodon obesulus subsp. fusciventer	TFAUNA	19212	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BANJUP		04	07	2011
Isodon obesulus subsp. fusciventer	TFAUNA	23228	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	SUCCESS	Success	04	05	2013
Isodon obesulus subsp. fusciventer	TFAUNA	19424	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	SUCCESS		26	04	2012
Isodon obesulus subsp. fusciventer	TFAUNA	8950	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	11	2003
Isodon obesulus subsp. fusciventer	TFAUNA	22928	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	03	12	2012
Isodon obesulus subsp. fusciventer	TFAUNA	22256	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	03	12	2012
Isodon obesulus subsp. fusciventer	TFAUNA	674	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	12	1989
Isodon obesulus subsp. fusciventer	TFAUNA	18548	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	09	2008
Isodon obesulus subsp. fusciventer	FAUNASURVEY	426576	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot Airport	15	02	2012
Isodon obesulus subsp. fusciventer	TFAUNA	8948	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	11	2003
Isodon obesulus subsp. fusciventer	TFAUNA	7013	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	01	2003
Isodon obesulus subsp. fusciventer	TFAUNA	1399	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	29	07	1997
Isodon obesulus subsp. fusciventer	TFAUNA	18547	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	JANDAKOT	Jandakot	01	09	2008
Isodon obesulus subsp. fusciventer	TFAUNA	22938	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BIBRA LAKE	Bibra Lake	03	03	2013
Isodon obesulus subsp. fusciventer	TFAUNA	6521	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	COCKBURN CENTRAL	Jandakot	01	02	2002
Isodon obesulus subsp. fusciventer	FAUNASURVEY	105790	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	AUBIN GROVE	Gibbs Road	30	03	2010
Isodon obesulus subsp. fusciventer	TFAUNA	23429	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	AUBIN GROVE	Aubin Grove	13	07	2013
Isodon obesulus subsp. fusciventer	TFAUNA	19085	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	MUNSTER	THOMSON	20	12	2010
Isodon obesulus subsp. fusciventer	TFAUNA	22880	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	HAMMOND PARK	Hammond Park	27	02	2013
Isodon obesulus subsp. fusciventer	FAUNASURVEY	612727	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	HAMMOND PARK	Hammond Park PS	25	05	2013
Isodon obesulus subsp. fusciventer	FAUNASURVEY	547118	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	HAMMOND PARK	Hammond Park Catholic Primary School	18	08	2012
Isodon obesulus subsp. fusciventer	TFAUNA	22925	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	HAMMOND PARK	Hammond Park	01	07	2012
Isodon obesulus subsp. fusciventer	TFAUNA	19352	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	HAMMOND PARK		16	12	2010
Isodon obesulus subsp. fusciventer	FAUNASURVEY	73668	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BEELIAR	Lake Kogolup	24	08	2009
Isodon obesulus subsp. fusciventer	FAUNASURVEY	298615	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BEELIAR	Thompsons Lake	31	05	2011
Isodon obesulus subsp. fusciventer	FAUNASURVEY	73666	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BEELIAR	Thompsons Lake	24	08	2009
Isodon obesulus subsp. fusciventer	FAUNASURVEY	298616	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BEELIAR	Thompsons Lake	31	05	2011
Isodon obesulus subsp. fusciventer	FAUNASURVEY	195543	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	BEELIAR	Harry Waring Marsupial Reserve	17	04	2011
Isodon obesulus subsp. fusciventer	FAUNASURVEY	73658	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	YANGEBUP	Lake Yangebup	03	08	2009
Isodon obesulus subsp. fusciventer	FAUNASURVEY	73660	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	YANGEBUP	Little Rush Lake	03	08	2009
Isodon obesulus subsp. fusciventer	TFAUNA	10464	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	YANGEBUP	Jandakot	07	12	2005
Isodon obesulus subsp. fusciventer	WAM_MAMMALS	urn:lsid:taxonomy.org.au:MAMM:57975	24153	Peramelidae	Isodon	obesulus	subsp.	fusciventer	(Gray)	Quenda, Southern Brown Bandicoot	Animalia	5	MAMMAL	YANGEBUP	BERRIGAN DRIVE	07	12	2005
Macropus eugenii subsp. derbianus	TFAUNA	3605	24131	Macropodidae	Macropus	eugenii	subsp.	derbianus	(Gray)	Tammar Wallaby (WA subsp)	Animalia	5	MAMMAL	WATTLEUP	Harry Waring Marsupial Reserve	01	01	1971