



## City of Wanneroo

# Flora & Vegetation Assessment Splendid Park, Yanchep

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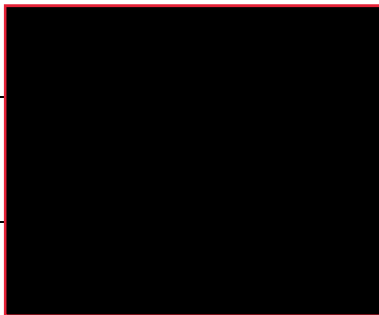
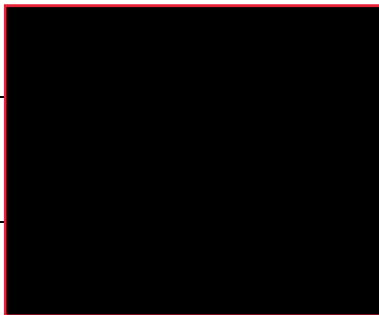
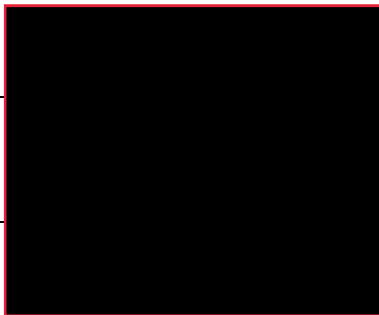
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## Executive Summary

Natural Area Consulting Management Services (Natural Area) was contracted by the City of Wanneroo to undertake a detailed flora and vegetation survey of vegetated areas at Splendid Park in Yanchep (approx. 4.7 ha). The site was previously cleared of remnant bushland for development of a sporting ground in 2017 and has since been revegetated, currently consisting of revegetated coastal shrubland and sedges in drainage swales. Remnant pockets of *Banksia sessilis* remain within the southwest portion of Splendid Park and are a potential food source for threatened black cockatoos. Periphery areas around the sporting ovals and amenities were revegetated in 2017 with the aim to use threatened black cockatoo foraging species as per implementation of a Vegetation and Fauna Management Plan approved for the Yanchep City Local Structure Plan No. 68. Survey outcomes were utilised to confirm biological values of the survey area, to inform clearing permit applications and future management of Splendid Park.

The survey aimed to determine:

- flora species present
- the extent and boundary of vegetation types and condition
- the location of threatened or priority flora and/or ecological communities.

The detailed flora and vegetation survey within Splendid Park confirmed:

- A total of 69 flora species from 23 families.
- A total of 48 (69.6%) native flora species and 21 (30.4%) weeds.
- Presence of the threatened *Grevillea thelemanniana* (Spider Net Grevillea), however, this species was planted and does not naturally occur in this Local Government area being naturally found south-east of Perth CBD.
- Presence of one Priority 4 species, *Dodonaea hackettiana* (Hackett's Hopbush), however it was planted, not considered to be naturally occurring within this site previously and is not recorded on FloraBase as occurring within the Wanneroo Local Government Area.
- Two vegetation types occurring, namely Mixed Coastal Open Heathland and *Ficinia nodosa* Open Sedgeland.
- Vegetation condition across the site ranged from Completely Degraded to Good, with the majority of the site classified as Good (89.4%) due to the immaturity of the revegetation present, and areas with lots of bare ground where plantings were not surviving as well classed as lower condition.
- Cockatoo foraging habitat species in the site were limited with few plants present and some species of foraging plants not locally endemic to the area.
- No threatened or priority ecological communities were recorded within the site.

It is recommended that the remnant shrubs of *Banksia sessilis* be considered for retention in future planning for Splendid Park. The survey was thorough for the area particularly considering it is a revegetated site with minimal remnant vegetation present, with no further flora surveys recommended.

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## 1.0 Introduction

Natural Area Consulting Management Services (Natural Area) was contracted by the City of Wanneroo to undertake a detailed flora and vegetation survey at Splendid Park in Yanchep. Native vegetation within Splendid Park was cleared by a land developer in 2015 under an approved subdivision condition. The subdivision condition required the replanting of black cockatoo foraging species through landscaping areas of Public Open Space and the implementation of a Vegetation and Fauna Management Plan, which was approved for the Yanchep City Local Structure Plan No. 68. The area was landscaped with black cockatoo foraging species in winter 2017, as required by the subdivision approval conditions. The intent of the subdivision approval conditions was to provide potential foraging habitat for black cockatoo species in the medium to longer term.

The City of Wanneroo requires a detailed Biological Survey consisting of a spring season targeted flora and vegetation survey, to confirm the botanical values of the survey area and inform clearing permit applications and future management of the area.

### 1.1 Location

Splendid Park, in the City of Wanneroo is located 1.5 km from the coastline, 56 km from the Perth CBD and 31 km from Wanneroo town centre. The site is surrounded by a residential area to the West and remnant bushland to the North, East and South (Figure 1).

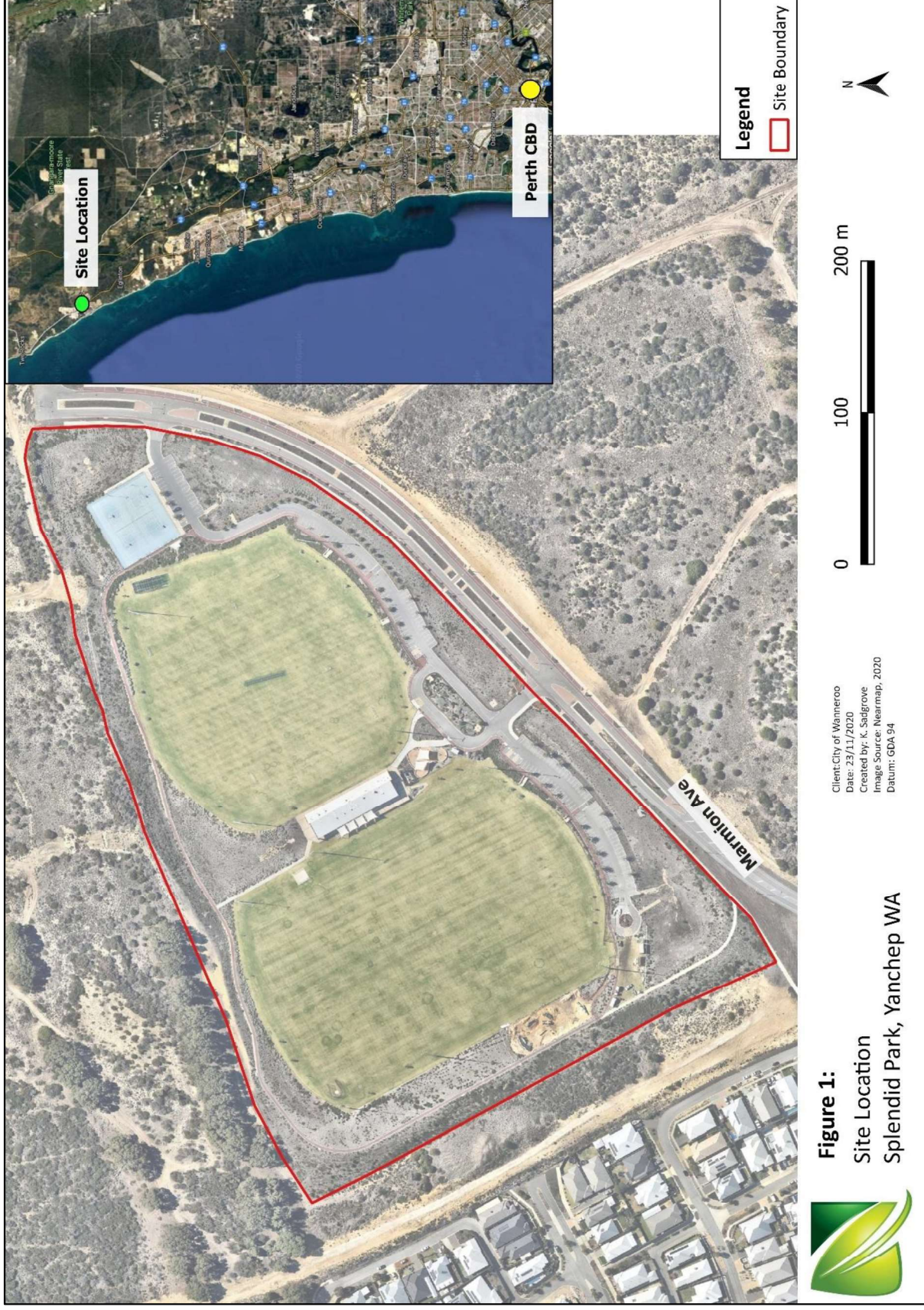
### 1.2 Scope

Specific tasks associated with the survey and associated reporting included:

- desktop assessment of previous reports and available data including:
  - Yanchep City Structure Plan Vegetation and Fauna Management Strategy (Coffey Environments, 2010)
  - Yanchep Vegetation and Fauna Management Plan (PGV, 2019)
  - Splendid park Cycle Path Biological Survey Plan.
- field survey by experienced and qualified personnel
- all survey information being submitted in accordance with the requirements of the EPA's instructions for the preparation of data packages for the Index of Biodiversity Surveys for Assessments
- this Flora/Vegetation Report (including maps)
- provision of electronic shapefiles (in GDA2020 and GDA94) for all maps and survey data included in the report
- a separate Environmental Impact Assessment report will be provided to the City in conjunction with this flora and vegetation report, and the fauna report for Splendid Park, which will assess the impacts of the proposal against the ten Native Vegetation Clearing Principles, key diagnostic criteria for threatened ecological communities potentially occurring in the area, and significant impact criteria for threatened ecological communities.

### 1.3 Objectives

The objective of the biological survey is to confirm the botanical values of the survey area.



## 2.0 Site Characteristics

Site characteristics have an influence on the flora, vegetation, fauna, and ecological communities present. Key characteristics of the Splendid Park assessment area are outlined in this section.

### 2.1 Regional Context

According to the Interim Biogeographical Regionalisation of Australia (IBRA) descriptions, Splendid Park is located within the Swan Coastal Plain (SWA 2 – Swan Coastal Plain subregion) (Department of Primary Industries and Regional Development, 2020). This area is described as a low-lying coastal plain with sands of colluvial and aeolian origin, as well as alluvial river flats and coastal limestone. The region is dominated by *Banksia* and/or Jarrah Woodland over sandy soils associated with the dune systems, with Paperbark (*Melaleuca*) in swampy/damp areas and Jarrah Woodland to the east where the Swan Coastal Plain rises (Mitchell, Williams & Desmond, 2002).

### 2.2 Previous Land Use and Tenure

Splendid Park was cleared in 2015 for the development of a sports ground and naturally landscaped areas. It is zoned as Urban Development under the District Planning Scheme (DPS) Number 2 and is currently Public Open Space (City of Wanneroo, 2020). It was revegetated in 2017 and currently contains immature revegetation plantings. Splendid Park is in close proximity to areas that were previously used for army training and historical imagery shows cleared lines throughout the Yanchep area, which are consistent with lines cleared to search for Unexploded Ordnance (PVG, 2019).

### 2.3 Climate

The climate experienced in the area is Mediterranean, with dry, hot summers and cool, wet winters. According to the Bureau of Meteorology (2020); Perth Airport WA, site number 009021, the region has an average:

- rainfall of 762.1 mm per annum, with rain falling predominantly between May and August
- maximum temperature ranging from 18 °C in winter to 32 °C in summer, with a maximum recorded temperature of 46.7 °C
- minimum temperatures ranging from 8 °C in winter to 17.5 °C in summer, with a minimum recorded temperature of -1.3 °C
- predominant wind directions include morning easterlies and westerly sea breezes during the summer months, with an average wind speed of 14.2 km/h and gusts of more than 100 km/h.

### 2.4 Topography and Soils

Topography across the site ranges from 26 m AHD in the north west to 36 m AHD along the north of the site (Figure 2). Three soil types are present within the sites, namely Quindalup South oldest dune Phase, the Karrakatta Sand Yellow Phase and the Karrakatta Shallow Soils Phase as identified using the NRInfo Portal (Department of Primary Industries and Regional Development, 2020) (Figure 2).



**Table 1:** Soil type descriptions

Name	Symbol	Description
211Qu__Q1	Quindalup South oldest dune Phase	The oldest phase. Dunes or remnants with low relief. Calcareous sands have organic staining to about 30 cm, overlying pale brown sand with definite cementation below 1 m.
211Sp__Ky	Karrakatta Sand Yellow Phase	Low hilly to gently undulating terrain. Yellow sand over limestone at 1-2 m. <i>Banksia</i> spp. woodland with emergent <i>E. gomphocephala</i> and <i>E. marginata</i> and a dense shrub layer.
211Sp_Kls	Karrakatta Shallow Soils Phase	Low hills and ridges. Bare limestone or shallow siliceous or calcareous sand over limestone. Dense low shrub dominated by <i>Banksia sessilis</i> , <i>Melaleuca huegelii</i> and species of <i>Grevillea</i> .

Source: Department of Primary Industries and Regional Development, 2020

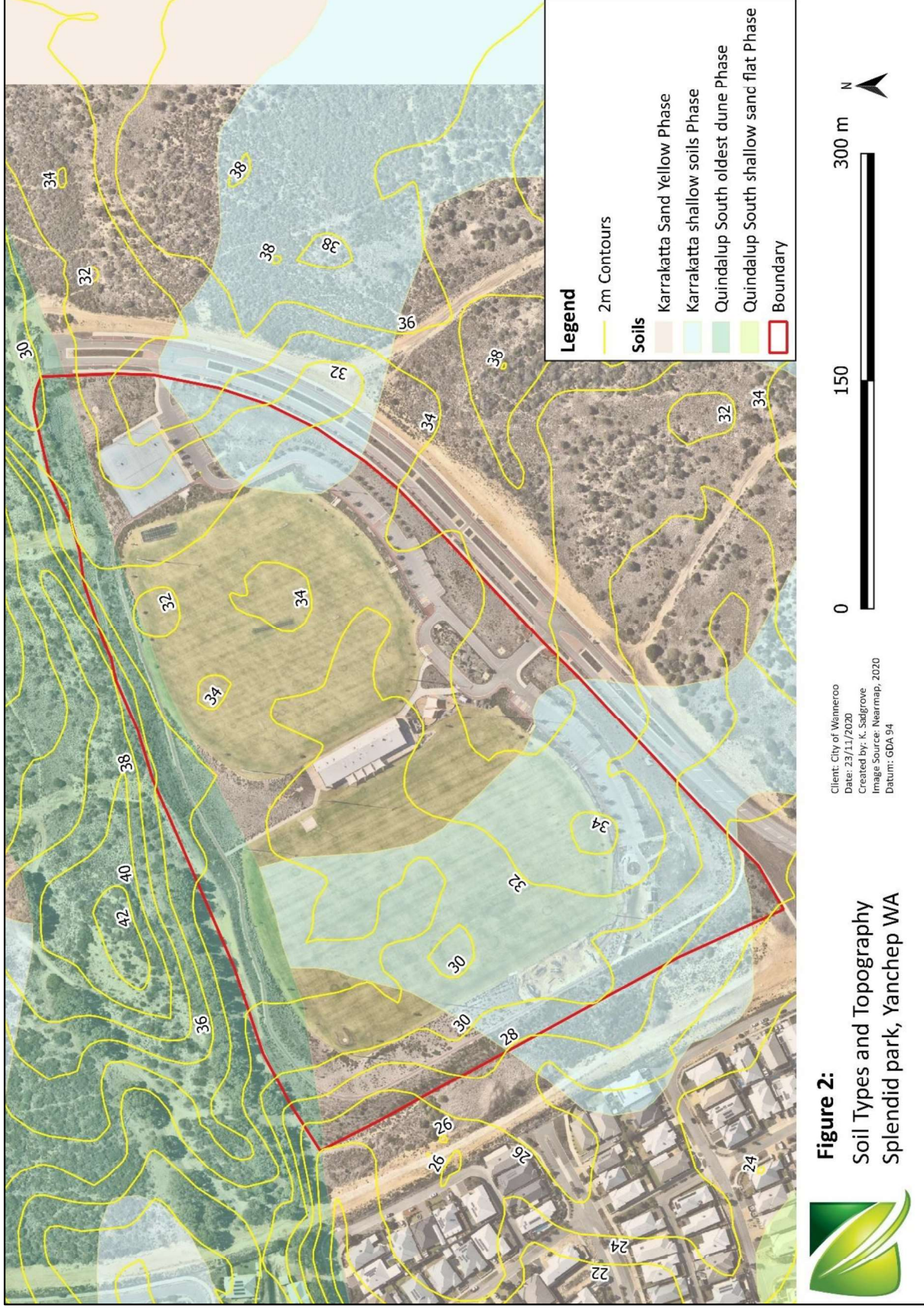
## 2.5 Vegetation Complex

The vegetation complex indicated by the WALGA Environmental Planning Tool (2020) as occurring within the sites is Quindalup Complex (WALGA, 2020). The Quindalup Complex is restricted to the coastal dunes and can be separated into two categories, a foredune comprised of coastal species including *Atriplex isatidea*, *Spinifex longifolius* and *Carpobrotus virescens*. The second category is a mobile and also a stable dune comprising of coastal species including *Acacia cyclops*, *Myoporum insulare*, *Olearia axillaris* and *Scaevola crassifolia* (Heddle, Loneragan & Havel, 1980). Splendid Park occurs within the stable dunes system.

The pre-European extent of this vegetation complex remaining within the City of Wanneroo Local Government area is 5989.69 ha (68.75%) (Western Australian Local Government Association (WALGA), 2010). The remaining extent within the Swan Coastal Plain is 21322.64 ha (55.38%) (WALGA, 2013).

## 2.6 Hydrology

Splendid Park lies above the Perth - Superficial Swan aquifer and has no surface water features such as wetlands or other water courses present (Department of Water and Environmental Regulation, 2020). It lies 1.5 km east of the coastline with the closest wetland being the Loch McNess System, which occurs approximately 3 km east of the site, within Yanchep National Park. Loch McNess is a Nationally Important Wetland that is listed in the Directory of Important Wetlands in Australia (DIWA).



## 3.0 Methodology

### 3.1 Desktop and Literature Review

Desktop surveys were undertaken to determine:

- likely native and non-native flora and fauna species present
- current extent of native vegetation
- general floristic community types
- likely presence of threatened or priority flora and fauna species
- likely presence of any threatened or priority ecological communities.

The following databases were accessed to obtain relevant information:

- NationalMap to review soil types, topography and vegetation complexes
- NatureMap (Department of Biodiversity, Conservation and Attractions, 2020c) (Appendix 1)
- Protected Matters Search Tool (Department of Agriculture, Water, and the Environment, 2020), (Appendix 2)
- National Map to determine to determine soil types (Department of Primary Industries and Regional Development, 2020), IBRA subregions
- DBCA flora and ecological community database searches.

Literature reviews of past relevant surveys include:

- Yanchep City Structure Plan Vegetation and Fauna Management Strategy (Coffey Environmental, 2010)
- Yanchep Vegetation and Fauna Management Plan (PGV, 2019)
- Splendid park Cycle Path Biological Survey Plan.

### 3.2 On-ground Flora Survey

The flora and vegetation surveys were carried out in accordance with *EPA Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (Environmental Protection Authority, 2016).

Natural Area Ecologist Sharon Hynes and assistants Lachlan Crossley and Eva Karikis surveyed the site on 2 September and 29 October 2020. GPS data was recorded using Mappt software on a handheld Samsung tablet.

Six quadrats (10 x 10 m) were set up within the survey area (three per vegetation type). These were surveyed twice, first in September and then during October, to account for annual flora taxa presenting in different months during the spring survey period. A photo was taken of each quadrat and the following data was collected using a modified recording sheet based on the NAIA templates developed for the Perth Biodiversity Project:

- Vegetation type, which was determined using the structural classes described in *Bush Forever Volume 2* (Government of Western Australia, 2000), which records dominant over, middle and understorey species. A tablet device equipped with GPS mapping software was used to mark the change in vegetation type across the site. A description of the various structural classes is provided in Table 2.

- Vegetation condition was assessed using the rating scale attributed to Keighery in Bush Forever Volume 2 (Government of Western Australia, 2000) (Table 3).
- Aspect of the site.
- Topography and slope of the site.
- Soil type and colour.
- Gravel as a percentage of cover.
- Rock as a percentage of cover.
- Leaf litter as a percentage of cover.
- Bare ground as a percentage of cover.
- Drainage of the site.
- Disturbance e.g. fire, clearing, rubbish, unauthorised access.
- Flora species present including percentage cover, height, habit and life form. Where species could not be identified in the field, samples were collected, or photographs taken for later identification. Additional species were recorded whilst the site was being traversed. Conservation significant species were targeted using the field reference guide compiled from the results of database searches.

**Table 2:** Vegetation structural classes (for vegetation type determination)

Life Form/Height Class	Canopy Percentage Cover			
	100 – 70%	70 – 30%	30 – 10%	10 – 2 %
<b>Trees over 30 m</b>	Tall closed forest	Tall open forest	Tall woodland	Tall open woodland
<b>Trees 10 – 30 m</b>	Closed forest	Open forest	Woodland	Open woodland
<b>Trees under 10 m</b>	Low closed forest	Low open forest	Low woodland	Low open woodland
<b>Tree Mallee</b>	Closed tree mallee	Tree mallee	Open tree mallee	Very open tree mallee
<b>Shrub Mallee</b>	Closed shrub mallee	Shrub mallee	Open shrub mallee	Very open shrub mallee
<b>Shrubs over 2 m</b>	Closed tall scrub	Tall open scrub	Tall shrubland	Tall open shrubland
<b>Shrubs 1 – 2 m</b>	Closed heath	Open heath	Shrubland	Open shrubland
<b>Shrubs under 1 m</b>	Closed low heath	Open low heath	Low shrubland	Low open shrubland
<b>Grasses</b>	Closed grassland	Grassland	Open grassland	Very open grassland
<b>Herbs</b>	Closed herbland	Herbland	Open herbland	Very open herbland
<b>Sedges</b>	Closed sedgeland	Sedgeland	Open sedgeland	Very open sedgeland

(Source: Government of Western Australia, 2000)

**Table 3:** Vegetation condition ratings

Category	Description
1 Pristine	Pristine or nearly so, no obvious signs of disturbance.
2 Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.

Category	Description
3 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.
4 Good	Vegetation structure significantly altered by very obvious signs of multiple disturbances. 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.
5 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.
6 Completely Degraded	The structure of the vegetation is no longer intact, and the area is completely or almost completely without native species. These areas 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)

### 3.3 Limitations

Although flora surveys were undertaken in the optimal time of year to survey the Swan Coastal Plain botanical region, several limitations associated with both desktop and on-ground flora surveys exist, including:

- database searches provide an indication of what flora species may be present, with on ground surveys required to confirm those present
- the differing databases are reliant on information submitted via various reporting mechanisms, so all records of a particular species or ecological community within a specified area may not be complete
- information on flora species provided on some databases include out-of-date species names, meaning that names need to be checked for currency
- herbarium records are largely limited to vouchered specimens
- plant species flower at different times and are not always able to be identified
- not all species flower every year
- due to the revegetation on site not being in a mature state, vegetation types were difficult to assign with mixed planting of species across the site meaning there were no distinct strata layers (overstorey, middle storey and understorey) in terms of dominant species that could be effectively assigned, which does not occur in natural systems. As the vegetation matures this may change with more vegetation types able to be determined.

Despite these limitations, Natural Area estimates that 80 – 90% of flora species within the survey area were identified.

## 4.0 Results

### 4.1 Desktop Survey

NatureMap identified a total of 96 flora plant species which could potentially occur within a 3 km radius of the site including:

- 66 dicotyledons
- one fungus
- 29 monocotyledons.

Previous surveys in 2005 by ATA Environmental found a total of 148 species including 114 natives and 34 introduced species within a 621 ha area for the Yanchep City Structure Plan, which included the location Splendid Park is now (Coffey Environmental, 2010). Vegetation types recorded within this area by ATA Environmental (PVG, 2019) were:

- *Banksia sessilis* Closed Heath
- *Banksia attenuata* Low Open Woodland
- *Eucalyptus gomphocephala* Woodland to Open Forest
- *Melaleuca systema* Closed Heath
- *Melaleuca huegelii* Open Heath.

#### 4.1.1 Significant Flora

A review of NatureMap (DBCA, 2020c) with a 5 km buffer around the site indicated the potential for 34 conservation significant flora species to occur, of which 29 were priority species and five were threatened (Table 4, Appendix 1). A review of flora species listed as protected under the *Environmental Protection and Biodiversity Conservation Act 1999* (Cwlth) was undertaken using the Protected Matter Search Tool (PMST) with a 3 km buffer around the site and indicated the potential for four threatened flora species to occur within the study area (Appendix 2) (Department of Agriculture, Water and the Environment, 2020). A review of the DBCA's threatened and priority flora database indicated 17 conservation significant species that have been previously recorded within a 10 km buffer of the survey site, including 16 priority species and one threatened species (Table 4) (DBCA, 2020e). The conservation code descriptions are provided in Appendix 3.

Of the conservation significant species with the potential to be found in the area, Natural Area considers that habitat to be suitable for 13 species based on the soil type, drainage and location. These are highlighted green in Table 4. No significant flora species were recorded in previous surveys (PVG, 2019).

**Table 4:** Threatened and Priority flora species listed by NatureMap, PMST, and DBCA

Species Name	Common Name	Cons. Code	Nature Map	PMST	DBCA
<i>Acacia benthamii</i>		P2	X		X
<i>Accacia horridula</i>		P3	X		
<i>Adenanthos cygnorum</i> subsp. <i>chamaephyton</i>		P3	X		
<i>Baeckea sp. Limestone</i>		P1	X		X

Species Name	Common Name	Cons. Code	Nature Map	PMST	DBCA
<i>Beyeria cinerea</i> subsp. <i>cinerea</i>		P3	X		
<i>Caladenia huegelii</i>	Grand Spider Orchid	T			
<i>Calandrinia oraria</i>		P3	X		X
<i>Calectasia cyanea</i>	Blue Tinsel Lily	T	X		
<i>Calectasia elegans</i>	Elegant Tinsel Lily	P2			
<i>Conostylis bracteata</i>		P3	X		X
<i>Conostylis pauciflora</i> subsp. <i>euryrhipis</i>		P4	X		
<i>Conostylis pauciflora</i> subsp. <i>pauciflora</i>		P4	X		X
<i>Cyathochaeta teretifolia</i>		P3			
<i>Diuris micrantha</i>	Dwarf Bee-orchid	T, VU		X	
<i>Drakea elastica</i>	Glossy-leaved Hammer Orchid	T, EN	X	X	
<i>Eleocharis keigheryi</i>	Keighery's Eleocharis	T, VU		X	
<i>Eucalyptus argutifolia</i>	Wabbling Hill Mallee	T, VU	X	X	X
<i>Eucalyptus x mundijongensis</i>		P1	X		
<i>Fabronia hampeana</i>		P2			
<i>Grevillea evanescens</i>		P1	X		
<i>Hibbertia leptotheca</i>		P3	X		X
<i>Hibbertia spicata</i> subsp. <i>leptotheca</i>		P3	X		X
<i>Haloragis luminosa</i>	Lantern Sea Berry	P1	X		X
<i>Jacksonia gracillima</i>		P3	X		
<i>Jacksonia sericea</i>	Waldjumi	P4	X		
<i>Lasiopetalum membranaceum</i>		P3	X		X
<i>Lecania turicensis</i> var. <i>turicensis</i>		P2			X
<i>Lepidium pseudotasmanicum</i>		P4	X		X
<i>Leucopogon maritimus</i>		P1	X		
<i>Leucopogon</i> sp. <i>Yanchep</i>		P3	X		X
<i>Leucopogon squarrosus</i> subsp. <i>trigynus</i>		P2	X		

Species Name	Common Name	Cons. Code	Nature Map	PMST	DBCA
<i>Marianthus paralius</i>		T	X		
<i>Melaleuca sp. Wanneroo</i>		T	X		
<i>Pimelea calcicola</i>		P3	X		X
<i>Pithocarpa corymbulosa</i>	Corymbose Pithocarpa	P3	X		
<i>Sarcozona bicarinata</i>		P3	X		
<i>Sphaerolobium calcicola</i>		P3	X		X
<i>Stenanthemum limitatum</i>		P2	X		
<i>Stylidium longitubum</i>	Jumping Jacks	P4			
<i>Stylidium maritimum</i>		P4	X		X
<i>Styphelia filifolia</i>		P3	X		X
<i>Tetraria sp. Chandala</i>		P2	X		
<i>Tripterococcus sp.</i> <i>Brachylobus</i>		P4			

#### 4.1.2 Threatened Ecological Communities

A review of the PMST report indicated the potential for four threatened ecological communities to occur within 10 km of the site, namely *Banksia Woodlands of the Swan Coastal Plain* listed as Endangered and *Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain* listed as Critically Endangered (Department of Agriculture, Water, and the Environment, 2020). A review of the DBCA threatened ecological community's database indicated that no known TEC or PEC is present within Splendid Park. The DBCA database indicated that a number of TECs do occur nearby with *Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain* occurring approximately 1.6 km to the south, the Aquatic Root Mat Community in Caves of the Swan Coastal Plain occurring 5 km to the south-west, and *Banksia Woodlands of the Swan Coastal Plain* ecological community occurring 1 km to the south-east of the site (DBCA, 2020c). These communities are listed in Table 5 with their likelihood to occur.

**Table 5:** Potential Threatened Ecological Communities within Splendid Park

Name	Status	Likelihood to occur
Aquatic Root Mat Community in Caves of the Swan Coastal Plain	Endangered	Community known to occur 5 km to south-east, potential to occur in site
<i>Banksia Woodlands of the Swan Coastal Plain</i> ecological community	Endangered	Community known to occur 1 km to the south-east, potential to occur in site
Sedgeland in Holocene dune swales of the southern Swan Coastal Plain	Endangered	Community known to occur within nearby areas, potential to occur in site



Name	Status	Likelihood to occur
Tuart ( <i>Eucalyptus gomphocephala</i> ) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community known to occur 1.6 km to the south, potential to occur in site

## 4.2 Field Survey Results

### 4.2.1 Flora

A total of 69 flora species (taxa) were recorded from 23 families during the field survey, including 21 (30.4%) weeds and 48 (69.6%) native species. Of the 69 species present 58 are dicotyledons and 11 are monocotyledons. One threatened species *Grevillea thelemanniana* (Spider Net Grevillea) was recorded on site, this species has been planted and does not naturally occur in the local government area and naturally occurring south-east of Perth. One Priority 4 species, *Dodonaea hackettiana* (Hackett’s Hopbush), was recorded in high abundance in the western portion of the vegetated areas; this species was planted and is not considered to have been naturally occurring at the site previously. This species is growing extremely well and site and is outcompeting other species where it has been planted.

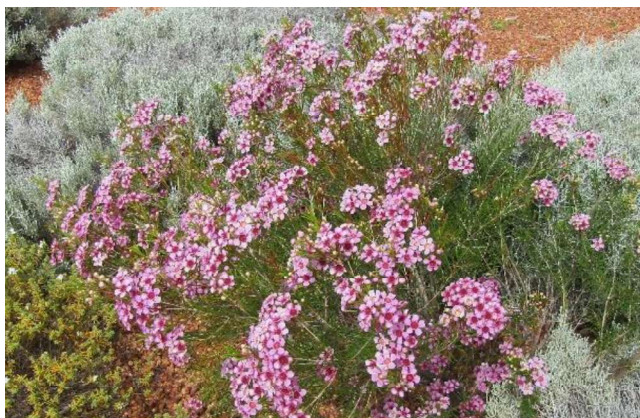
*Agonis flexuosa* (Peppermint) found on site is considered regionally significant on the Swan Coastal Plain as this is at the northern extent of its range although it is not present in the existing surrounding remnant vegetation (Government of Western Australia, 2000). Remnant pockets of *Banksia sessilis*, which presents a potential foraging resource for threatened black cockatoos, was recorded in the southern section of the survey site (Figure 7). Examples of native flora species recorded are shown in Figure 3 and weed species in Figure 4. A comprehensive flora species list for the entire site is provided in Appendix 4, quadrat data including species percentage cover and height are provided in Appendix 5, with the flora species matrix per quadrat provided in Appendix 6.



**Figure 3:** Examples of native flora species recorded during the flora assessment



\**Lupinus cosentinii*



\*Geraldton Wax (*Chamelaucium uncinatum*)



**Figure 4:** Examples of introduced flora species recorded during the flora assessment

#### 4.2.2 Vegetation Type

Vegetation consists of revegetated species planted in 2017 and is in an immature state with no mature trees present except for a few semi mature Casuarinas in the carpark, as the entire site was cleared with only a couple of shrubs remaining. Two vegetation types were recorded, namely Mixed Coastal Open Heathland and *Ficinia nodosa* Open Sedgeland (Table 6, Figure 5). The Mixed Coastal Open Heathland covers the majority of the site. As the site has recently been cleared and subsequently revegetated, there are no consistent strata layers within this vegetation type, with no dominant species able to be assigned. Shrubs present are 1 – 2 m tall and cover approximately 30-70% making it an Open Heath. The Sedgelands occurred in drainage sump locations in four areas with no overstorey and only a sparse middle storey present making it an Open Sedgeland (Figure 5).

The vegetation types vary to what was previously found in the area and the adjacent vegetation types present, which consist of Tuart Woodland and *Banksia sessilis* Closed Heath (PVG, 2019).

**Table 6:** Vegetation types identified within Splendid Park

Vegetation Type	Description	Photograph
<i>Ficinia nodosa</i> Open Sedgeland	This vegetation community is comprised of an open sedgeland dominated by <i>Ficinia nodosa</i> and mixed introduced herbs with sparse mixed introduced and native shrubs present.	
Mixed Coastal Open Heathland	This Open Heath is comprised of a middle storey of mixed native and introduced shrubs and an understorey of mixed introduced herbs with sparse native herbs and sedges. No upper storey is present currently.	



### 4.2.3 Vegetation Condition

Vegetation condition ranged from Degraded to Good, with majority of the site (89.4%) classified as Good condition due to the immature nature of vegetation present (Figure 6, Table 7). The areas which were classified as Completely Degraded had previously been cleared, with several areas containing limited vegetation classed as Degraded. Weed coverage in the quadrats also affected vegetation condition with cover ranging from 0.1 – 45% in Quadrat 6, whilst most of the quadrats were less than 5%. This is similar to the surrounding vegetation, with vegetation condition ranging from Degraded in previously cleared and high weed abundance areas to Very Good in areas with higher native vegetation cover and less previous disturbance. Splendid Park has less weeds than the surrounding bushland as it is actively managed.

**Table 7:** Vegetation condition in Splendid Park

Vegetation Condition	Excellent	Very Good	Good	Degraded	Completely Degraded	Totals
Area (ha)	0	0	4.2	0.2	0.3	4.7
Area (%)	0	0	89.4	4.2	6.4	100

### 4.2.4 Ecological Communities

No threatened or priority ecological communities are present within Splendid Park as there is minimal remnant vegetation present and the revegetation in the area is still in an immature state.

### 4.2.5 Introduced Flora

Of the total flora species (taxa) recorded within the site 21 (30.4%) were not native, which is a high percentage weed coverage for the south west of Western Australia. The majority of weeds recorded are common coastal weeds for the local area. None were listed as declared pests under the *Biosecurity and Agriculture Management Act 2007* (WA) or as Weeds of National Significance (WoNS) by the Australian Government. The majority of weeds recorded for Splendid Park were from the Fabaceae (pea) and Asteraceae (daisy) families.

The Department of Biodiversity, Conservation and Attractions (2020d) has developed a Weed Prioritisation Process for the Swan Region which is used as a tool to determine weed management priorities on their land and is a useful guide for others. Species are given an ecological impact rating of unknown (U), low (L), medium (M) or high (H). Splendid Park weed species ecological impact ratings are listed in Table 8, weeds listed as high or medium should be the focus of future weed control planning for the site.

**Table 8:** Swan Region Ecological Impact Rating for Weeds at Splendid Park

Species	Common Name	Ecological Impact
* <i>Arctotheca calendula</i>	Cape Weed	H
* <i>Brassica tournefortii</i>	Mediterranean Turnip	H
* <i>Casuarina glauca</i>	Swamp Sheoak	H
* <i>Cenchrus clandestinus</i>	Kikuyu Grass	H
* <i>Chamelaucium uncinatum</i>	Geraldton Wax	M

Species	Common Name	Ecological Impact
<i>*Conyza bonariensis</i>	Flaxleaf Fleabane	L
<i>*Ehrharta calycina</i>	Perennial Veldt Grass	H
<i>*Eucalyptus sp.</i>		U
<i>*Euphorbia terracina</i>	Geraldton Carnation Weed	H
<i>*Lactuca serriola</i>	Prickly Lettuce	H
<i>*Lagurus ovatus</i>	Hare's Tail Grass	H
<i>*Lupinus angustifolius</i>	Narrow Lupin	H
<i>*Lupinus cosentinii</i>	Blue Lupin	H
<i>*Medicago polymorpha</i>	Burr Medic	U
<i>*Melilotus indicus</i>		U
<i>*Pelargonium capitatum</i>	Rose Pelargonium	H
<i>*Solanum nigrum</i>	Blackberry Night Shade	M
<i>*Sonchus oleraceus</i>	Common Sowthistle	U
<i>*Trachyandra divaricata</i>	Onion weed	M
<i>*Trifolium arvense</i>	Hare's-foot Clover	U
<i>*Vicia sativa</i>	Common Vetch	U



## 5.0 Discussion and Conclusion

### 5.1 Flora Species

Splendid Park is comprised of revegetated plantings with the majority (89.4%) in Good condition. The site was not considered at a higher condition due to the immature nature of the revegetation and the lack of remnant vegetation on site. The juvenile state of plantings meant limited foraging habitat is present for threatened black cockatoo species, and limited foraging species are present throughout the site. The main foraging species in adjacent remnant vegetation is *Banksia sessilis* which only occurred as a patch of remnant shrubs on the south-west side of Splendid Park, these should be considered for retention in future planning activities (Figure 7). The majority of black cockatoo foraging species planted were not endemic to the local area such as the *Eucalyptus* sp., *Hakea petiolaris* and *Hakea laurina*.

The site has a moderate diversity for a coastal area with 69 species recorded. Of these, 48 (69.6%) are natives and 21 (30.4%) are weeds. This is consistent with the area being a revegetation site as it is lacking diversity in understorey species of sedges and herbs that would be found in remnant bushland areas but are difficult to source and propagate. The species mixes found on site do not match naturally occurring coastal floristic community types present nearby in natural remnant bushland but do contain ecological values such as preserving native species, providing fauna habitat for vertebrates and invertebrates (particularly pollinators), being waterwise as opposed to European style gardens and are aesthetically pleasing to the community.

### 5.2 Significant Flora

One Priority 4 species, *Dodonaea hackettiana* (Hackett's Hopbush), listed under the *Biodiversity Conservation Act 2016* (WA) was recorded in high abundance in the western portion of the vegetated areas. This species was planted and is not considered to have been naturally occurring at the site previously, as it was not observed in nearby remnant vegetation or recorded within the Local Government area by FloraBase (DBCA, 2020b). The threatened species *Grevillea thelemanniana* (Spider net Grevillea) was recorded on site, this species has been planted and does not naturally occur in the Local Government area, naturally occurring south-east of Perth. One regionally significant species *Agonis flexuosa* (Peppermint) was recorded as being planted on site this species is recorded as significant for the Swan Coastal Plain as this is the furthest northern extent of this species, however it was not naturally occurring on the site and is not present in either the Tuart Woodlands or the *Banksia sessilis* Closed Heath in surrounding remnant vegetation. As none of these species are naturally occurring in this area clearing these plants would not be considered to be environmentally significant.

### 5.3 Threatened Ecological Communities

No threatened or priority communities are present within the Splendid Park survey area, due to the fact that minimal remnant vegetation is present, with a few *Banksia sessilis* shrubs present that do not constitute a TEC. However, these shrubs are foraging habitat for threatened black cockatoos. The review of DBCA threatened and ecological community database indicated that the closest TEC present is the Banksia Woodlands of the Swan Coastal Plain which is located 1 km to the south-east. Additionally, the Tuart (*Eucalyptus gomphocephala*) Woodlands and Forests of the Swan Coastal Plain TEC occur 1.6 km south of



the park and the Aquatic Root Mat Community in Caves of the Swan Coastal Plain TEC occurs 5 km to the south-east.

#### **5.4 Introduced Flora Species**

No WoNS listed by the Australian Government, or declared pests listed under the *Biosecurity and Agriculture Management Act 2007* (WA) were recorded. Weeds recorded were common coastal weeds for the local area and majority were from the Fabaceae (Pea) and Asteraceae (daisy) families, which are relatively easy to control with regular management.

#### **5.5 Conclusion**

Overall, the vegetation on site was in good condition with low abundance of weeds and a moderate diversity of flora species present. The area had relatively few remnant shrubs but those present are foraging resources for threatened black cockatoos and should be considered for retention during future planning for Splendid Park.

The 2020 spring survey was undertaken in accordance with the *EPA Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (Environmental Protection Authority, 2016). The survey was thorough for the area particularly considering it is a revegetated site with minimal remnant vegetation present. The site does not contain any TECs or PECs and there is none known to occur within 1 km surrounding the site. Significant flora found was planted and not considered naturally occurring in this local government area, with none of these species observed in surrounding remnant vegetation. No additional surveys for flora are recommended for this site.



**Figure 7:**  
Remnant Vegetation  
Splendid Park, Yanchep WA

Client: City of Wanneroo  
Date: 08/01/2021  
Created by: S. Hynes  
Image Source: Nearmap, 2020  
Datum: GDA 94

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## **Appendix 1: NatureMap Report**

# NatureMap Species Report

Created By Guest user on 05/08/2020

Current Names Only Yes  
 Core Datasets Only Yes  
 Method 'By Circle'  
 Centre 115° 38' 13" E, 31° 32' 24" S  
 Buffer 20km  
 Group By Species Group

Species Group	Species	Records
Alga	103	167
Amphibian	9	586
Bird	210	4645
Bryopsid (Moss)	12	22
Dicotyledon	605	3767
Fish	66	92
Fungus	24	44
Gymnosperm	3	19
Hepatic (Liverwort)	1	1
Invertebrate	72	755
Lichen	13	16
Mammal	42	503
Monocotyledon	246	1329
Pteridophyte (Fern)	2	2
Reptile	65	2830
Slime Mould	4	4
<b>TOTAL</b>	<b>1477</b>	<b>14782</b>

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
<b>Alga</b>				
1.	26454 <i>Amansia serrata</i>			
2.	26471 <i>Anthamnion armatum</i>			
3.	26475 <i>Anthamnion hanovioides</i>			
4.	26481 <i>Apjohnia laetevirens</i>			
5.	26486 <i>Asparagopsis taxiformis</i>			
6.	48503 <i>Betaphycus speciosus</i>			
7.	26511 <i>Bornetia binderiana</i>			
8.	26534 <i>Callophycus dorsifer</i>			
9.	26535 <i>Callophycus harveyanus</i>			
10.	44539 <i>Caulerpa cylindracea</i>			
11.	26562 <i>Caulerpa fergusonii</i>			
12.	26563 <i>Caulerpa flexilis</i>			
13.	27380 <i>Caulerpa flexilis</i> var. <i>muelleri</i>			
14.	26564 <i>Caulerpa hedleyi</i>			
15.	27382 <i>Caulerpa longifolia</i> forma <i>crispata</i>			
16.	26570 <i>Caulerpa obscura</i>			
17.	26571 <i>Caulerpa papillosa</i>			
18.	26575 <i>Caulerpa sedoides</i>			
19.	46993 <i>Caulerpa taxifolia</i> var. <i>distichophylla</i>			
20.	26580 <i>Caulerpa trifaria</i>			
21.	26586 <i>Caulocystis uvifera</i>			
22.	26599 <i>Ceramium puberulum</i>			
23.	26600 <i>Ceramium pusillum</i>			
24.	26607 <i>Chaetomorpha aerea</i>			
25.	26621 <i>Champia zostericola</i>			
26.	26662 <i>Cladostephus spongiosus</i>			
27.	26665 <i>Clavicionium ovatum</i>			
28.	26672 <i>Codium galeatum</i>			
29.	26685 <i>Coelarthrum cliftonii</i>			
30.	26686 <i>Coelarthrum opuntia</i>			
31.	26689 <i>Coeloclonium umbellula</i>			
32.	26694 <i>Colpomenia sinuosa</i>			
33.	26709 <i>Cryptonemia undulata</i>			
34.	26711 <i>Curdiea irvineae</i>			

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
35.	26738 <i>Dasya elongata</i>			
36.	26752 <i>Dasyclonium incisum</i>			
37.	26761 <i>Dictyomenia harveyana</i>			
38.	26762 <i>Dictyomenia sonderi</i>			
39.	26763 <i>Dictyomenia tridens</i>			
40.	26767 <i>Dictyopteris plagiogramma</i>			
41.	27392 <i>Dictyota dichotoma</i> var. <i>intricata</i>			
42.	26778 <i>Dictyota furcellata</i>			
43.	26821 <i>Erythroclonium muelleri</i>			
44.	26829 <i>Euptilocladia spongiosa</i>			
45.	26850 <i>Gelinaria ulvoidea</i>			
46.	26860 <i>Gloiocladia halymenioides</i>			
47.	26876 <i>Graclaria verrucosa</i>			
48.	26883 <i>Griffithsia monilis</i>			
49.	26884 <i>Griffithsia ovalis</i>			
50.	47213 <i>Halimeda versatilis</i>			
51.	48568 <i>Halopeltis australis</i>			
52.	26900 <i>Haloplegma preissii</i>			
53.	37640 <i>Halymenia floresii</i>			
54.	26915 <i>Hennedyia crista</i>			
55.	26919 <i>Herposiphonia rostrata</i>			
56.	26922 <i>Herposiphonia versicolor</i>			
57.	26927 <i>Heterodoxia denticulata</i>			
58.	26942 <i>Hirsutithalia loricata</i>			
59.	26946 <i>Hormophysa cuneiformis</i>			
60.	48300 <i>Huismaniella ramellosa</i>			Y
61.	26960 <i>Hymenocladia chondricola</i>			
62.	35898 <i>Hypnea musciformis</i>			
63.	26971 <i>Hypnea ramentacea</i>			
64.	26995 <i>Kuetzingia canaliculata</i>			
65.	26998 <i>Laurencia brongniartii</i>			
66.	27000 <i>Laurencia elata</i>			
67.	27001 <i>Laurencia filiformis</i>			
68.	27011 <i>Lenormandia latifolia</i>			
69.	27013 <i>Lenormandia spectabilis</i>			
70.	27015 <i>Leptosomia rosea</i>			
71.	27043 <i>Lobophora variegata</i>			
72.	27044 <i>Lobospira bicuspidata</i>			
73.	27068 <i>Metagoniolithon radiatum</i>			
74.	27070 <i>Metamastophora flabellata</i>			
75.	48608 <i>Mychodea membranacea</i>			
76.	27107 <i>Osmundaria prolifera</i>			
77.	27108 <i>Osmundaria spiralis</i>			
78.	27126 <i>Petalonia fascia</i>			
79.	27135 <i>Phacelocarpus sessilis</i>			
80.	27144 <i>Platoma cyclocolpum</i>			
81.	27149 <i>Platysiphonia mutabilis</i>			
82.	27152 <i>Platythalia quercifolia</i>			
83.	27155 <i>Plocamium cartilagineum</i>			
84.	27156 <i>Plocamium mertensii</i>			
85.	27162 <i>Pollexenia pedicellata</i>			
86.	27173 <i>Polysiphonia decipiens</i>			
87.	27184 <i>Porphyra lucasii</i>			
88.	27190 <i>Protokuetzingia australasica</i>			
89.	27206 <i>Ptilophora prolifera</i>			
90.	27215 <i>Rhipiliopsis peltata</i>			
91.	27229 <i>Sarcomenia delesserioides</i>			
92.	27238 <i>Sargassum distichum</i>			
93.	27249 <i>Sargassum linearifolium</i>			
94.	27260 <i>Sargassum tristichum</i>			
95.	29957 <i>Sargassum vestitum</i>			
96.	35911 <i>Scytosiphon lomentaria</i>			
97.	42785 <i>Sirophysalis trinodis</i>			
98.	48423 <i>Stauromenia lacerata</i>			
99.	27345 <i>Turbinaria gracilis</i>			
100.	27347 <i>Tylotus obtusatus</i>			
101.	27352 <i>Ulva lactuca</i>			
102.	27362 <i>Webervanbossea splachnoides</i>			
103.	27373 <i>Zonaria turneriana</i>			

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
<b>Amphibian</b>				
104.	25399 <i>Crinia glauerti</i> (Clicking Frog)			
105.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
106.	25410 <i>Heleioporus eyrei</i> (Moaning Frog)			
107.	25412 <i>Heleioporus psammophilus</i> (Sand Frog)			
108.	25415 <i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
109.	25378 <i>Litoria adelaidensis</i> (Slender Tree Frog)			
110.	25388 <i>Litoria moorei</i> (Motorbike Frog)			
111.	25420 <i>Myobatrachus gouldii</i> (Turtle Frog)			
112.	25433 <i>Pseudophryne guentheri</i> (Crawling Toadlet)			
<b>Bird</b>				
113.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
114.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
115.	24262 <i>Acanthiza inornata</i> (Western Thornbill)			
116.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			
117.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
118.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
119.	24282 <i>Accipiter fasciatus</i> subsp. <i>fasciatus</i> (Brown Goshawk)			
120.	25755 <i>Acrocephalus australis</i> (Australian Reed Warbler)			
121.	24831 <i>Acrocephalus australis</i> subsp. <i>gouldi</i> (Australian Reed Warbler)			
122.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
123.	25544 <i>Aegotheles cristatus</i> (Australian Owllet-nightjar)			
124.	24310 <i>Anas castanea</i> (Chestnut Teal)			
125.	24312 <i>Anas gracilis</i> (Grey Teal)			
126.	24313 <i>Anas platyrhynchos</i> (Mallard)			
127.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
128.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
129.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
130.	24506 <i>Anous tenuirostris</i> subsp. <i>melanops</i> (Australian Lesser Noddy)		T	
131.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
132.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
133.	24599 <i>Anthus australis</i> subsp. <i>australis</i> (Australian Pipit)			
134.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
135.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
136.	41324 <i>Ardea modesta</i> (great egret, white egret)			
137.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
138.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
139.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
140.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
141.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
142.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
143.	24318 <i>Aythya australis</i> (Hardhead)			
144.	<i>Barnardius zonarius</i>			
145.	24319 <i>Biziura lobata</i> (Musk Duck)			
146.	24721 <i>Cacatua galerita</i> subsp. <i>galerita</i> (Sulphur-crested Cockatoo)	Y		
147.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
148.	25715 <i>Cacatua roseicapilla</i> (Galah)			
149.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
150.	24727 <i>Cacatua sanguinea</i> subsp. <i>westralensis</i> (Little Corella)			
151.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
152.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
153.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
154.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
155.	24780 <i>Calidris alba</i> (Sanderling)		IA	
156.	25738 <i>Calidris canutus</i> (Red Knot, knot)		IA	
157.	24784 <i>Calidris ferruginea</i> (Curllew Sandpiper)		T	
158.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
159.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
160.	24790 <i>Calidris tenuirostris</i> (Great Knot)		T	
161.	25717 <i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
162.	24734 <i>Calyptorhynchus latirostris</i> (Camaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		T	
163.	48400 <i>Calyptorhynchus</i> sp. (white-tailed black cockatoo)		T	
164.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
165.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
166.	47909 <i>Cheramoeca leucosterna</i> (White-backed Swallow)			
167.	<i>Chroicocephalus novaehollandiae</i>			
168.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
169.	24288 <i>Circus approximans</i> (Swamp Harrier)			
170.	24289 <i>Circus assimilis</i> (Spotted Harrier)			



Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
171.	24774 <i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
172.	25675 <i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
173.	24613 <i>Colluricincla harmonica</i> subsp. <i>rufiventris</i> (Grey Shrike-thrush)			
174.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
175.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
176.	24416 <i>Corvus bennetti</i> (Little Crow)			
177.	25592 <i>Corvus coronoides</i> (Australian Raven)			
178.	24417 <i>Corvus coronoides</i> subsp. <i>perplexus</i> (Australian Raven)			
179.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
180.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
181.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
182.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
183.	24422 <i>Cracticus tibicen</i> subsp. <i>dorsalis</i> (White-backed Magpie)			
184.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
185.	24424 <i>Cracticus torquatus</i> subsp. <i>torquatus</i> (Grey Butcherbird)			
186.	24322 <i>Cygnus atratus</i> (Black Swan)			
187.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
188.	25673 <i>Daphoenositta chrysoptera</i> (Varied Sittella)			
189.	24605 <i>Daphoenositta chrysoptera</i> subsp. <i>leucoptera</i> (Varied Sittella, White-winged Sittella)			
190.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
191.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
192.	<i>Egretta garzetta</i>			
193.	<i>Egretta novaehollandiae</i>			
194.	<i>Elanus axillaris</i>			
195.	24290 <i>Elanus caeruleus</i> subsp. <i>axillaris</i> (Australian Black-shouldered Kite)			
196.	47937 <i>Euseyornis melanops</i> (Black-fronted Dotterel)			
197.	<i>Eolophus roseicapillus</i>			
198.	24651 <i>Eopsaltria australis</i> subsp. <i>griseogularis</i> (Western Yellow Robin)			
199.	24652 <i>Eopsaltria georgiana</i> (White-breasted Robin)			
200.	24567 <i>Epthianura albifrons</i> (White-fronted Chat)			
201.	24379 <i>Erythronys cinctus</i> (Red-kneed Dotterel)			
202.	24818 <i>Eudyptula minor</i> subsp. <i>novaehollandiae</i> (Little Penguin)			
203.	24368 <i>Eurostopodus argus</i> (Spotted Nightjar)			
204.	25621 <i>Falco berigora</i> (Brown Falcon)			
205.	24471 <i>Falco berigora</i> subsp. <i>berigora</i> (Brown Falcon)			
206.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
207.	25623 <i>Falco longipennis</i> (Australian Hobby)			
208.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
209.	25727 <i>Fulica atra</i> (Eurasian Coot)			
210.	24761 <i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
211.	25729 <i>Gallinula tenebrosa</i> (Dusky Moorhen)			
212.	24763 <i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
213.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
214.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
215.	24271 <i>Gerygone fusca</i> subsp. <i>fusca</i> (Western Gerygone)			
216.	47962 <i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
217.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
218.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
219.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
220.	24689 <i>Halobaena caerulea</i> (Blue Petrel)			
221.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
222.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
223.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
224.	48587 <i>Hydroprogne caspia</i> (Caspian Tern)		IA	
225.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
226.	24511 <i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
227.	25638 <i>Larus pacificus</i> (Pacific Gull)			
228.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
229.	24582 <i>Lichmera indistincta</i> subsp. <i>indistincta</i> (Brown Honeyeater)			
230.	30932 <i>Limosa lapponica</i> (Bar-tailed Godwit)		IA	
231.	24690 <i>Macronectes giganteus</i> (Southern Giant Petrel)		IA	
232.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
233.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
234.	24544 <i>Malurus lamberti</i> subsp. <i>assimilis</i> (Variegated Fairy-wren)			
235.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
236.	24549 <i>Malurus leucopterus</i> subsp. <i>leuconotus</i> (White-winged Fairy-wren)			
237.	25654 <i>Malurus splendens</i> (Splendid Fairy-wren)			
238.	24552 <i>Malurus splendens</i> subsp. <i>splendens</i> (Splendid Fairy-wren)			
239.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
240.	25758 <i>Megalurus gramineus</i> (Little Grassbird)			

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241.	24838 <i>Megalurus gramineus</i> subsp. <i>gramineus</i> (Little Grassbird)			
242.	25663 <i>Melithreptus brevirostris</i> (Brown-headed Honeyeater)			
243.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			
244.	<i>Microcarbo melanoleucos</i>			
245.	25693 <i>Microeca fascinans</i> (Jacky Winter)			
246.	48008 <i>Morus serrator</i> (Australasian Gannet)			
247.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
248.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
249.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
250.	41347 <i>Onychoprion anaethetus</i> (Bridled Tern)		IA	
251.	24328 <i>Oxyura australis</i> (Blue-billed Duck)		P4	
252.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
253.	24624 <i>Pachycephala rufiventris</i> subsp. <i>rufiventris</i> (Rufous Whistler)			
254.	24692 <i>Pachyptila belcheri</i> (Slender-billed Prion)			
255.	24693 <i>Pachyptila desolata</i> (Antarctic Prion)			
256.	24696 <i>Pachyptila turtur</i> (Fairy Prion)			
257.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
258.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
259.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
260.	24630 <i>Pardalotus striatus</i> subsp. <i>westraliensis</i> (Striated Pardalote)			
261.	24642 <i>Passer montanus</i> (Eurasian Tree Sparrow)	Y		
262.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
263.	48060 <i>Petrochelidon ariel</i> (Fairy Martin)			
264.	48061 <i>Petrochelidon nigricans</i> (Tree Martin)			
265.	48066 <i>Petroica boodang</i> (Scarlet Robin)			
266.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
267.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
268.	25698 <i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
269.	24666 <i>Phalacrocorax melanoleucos</i> subsp. <i>melanoleucos</i> (Little Pied Cormorant)			
270.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
271.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
272.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
273.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
274.	48071 <i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
275.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
276.	24841 <i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
277.	25720 <i>Platycercus icterotis</i> (Western Rosella)			
278.	24747 <i>Platycercus spurius</i> (Red-capped Parrot)			
279.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
280.	24750 <i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
281.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
282.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
283.	24679 <i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			
284.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
285.	24681 <i>Poliiocephalus poliocephalus</i> (Hoary-headed Grebe)			
286.	25722 <i>Polytelis anthopeplus</i> (Regent Parrot)			
287.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
288.	24767 <i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swamphen)			
289.	24770 <i>Porzana pusilla</i> subsp. <i>palustris</i> (Baillon's Crake)			
290.	24771 <i>Porzana tabuensis</i> (Spotless Crake)			
291.	24702 <i>Pterodroma brevirostris</i> (Kerguelen Petrel)			
292.	24716 <i>Puffinus pacificus</i> (Wedge-tailed Shearwater)		IA	
293.	<i>Purpureicephalus spurius</i>			
294.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
295.	48096 <i>Rhipidura albiscapa</i> (Grey Fantail)			
296.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
297.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
298.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
299.	24279 <i>Sericornis frontalis</i> subsp. <i>maculatus</i> (White-browed Scrubwren)			
300.	30948 <i>Smicornis brevirostris</i> (Weebill)			
301.	24522 <i>Sterna bergii</i> (Crested Tern)			
302.	24524 <i>Sterna dougallii</i> subsp. <i>gracilis</i> (Roseate Tern)		IA	
303.	25655 <i>Stipiturus malachurus</i> (Southern Emu-wren)			
304.	25597 <i>Strepera versicolor</i> (Grey Currawong)			
305.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
306.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
307.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
308.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
309.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			

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310.	48597 <i>Thalasseus bergii</i> (Crested Tern)		IA	
311.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
312.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
313.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
314.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
315.	24803 <i>Tringa brevipes</i> (Grey-tailed Tattler)		P4	
316.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
317.	24851 <i>Turnix velox</i> (Little Button-quail)			
318.	25762 <i>Tyto alba</i> (Barn Owl)			
319.	24855 <i>Tyto novaehollandiae</i> subsp. <i>novaehollandiae</i> (Masked Owl (southwest))		P3	
320.	25577 <i>Vanellus miles</i> (Masked Lapwing)			
321.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
322.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silveryeye)			

### Bryopsid (Moss)

323.	32315 <i>Barbula calycina</i>			
324.	32331 <i>Bryum lanatum</i>			
325.	32338 <i>Campylopus introflexus</i>	Y		
326.	32345 <i>Didymodon australasiae</i>			
327.	32346 <i>Didymodon torquatus</i>			
328.	20162 <i>Fabronia hampeana</i>		P2	
329.	32370 <i>Funaria hygrometrica</i>			
330.	32380 <i>Gemmabryum pachythecum</i>			
331.	32384 <i>Gigaspermum repens</i>			
332.	32480 <i>Racomium cuspidigerum</i> var. <i>convolutaceum</i>			
333.	32486 <i>Thuidium sparsum</i> var. <i>hastatum</i>			
334.	32450 <i>Trichostomum eckelianum</i>			

### Dicotyledon

335.	15430 <i>Acacia alata</i> var. <i>tetrantha</i>			
336.	15466 <i>Acacia applanata</i>			
337.	15470 <i>Acacia barbinervis</i> subsp. <i>borealis</i>			
338.	3237 <i>Acacia benthamii</i>		P2	
339.	3262 <i>Acacia cochlearis</i> (Rigid Wattle)			
340.	3282 <i>Acacia cyclops</i> (Coastal Wattle)			
341.	3373 <i>Acacia horridula</i>		P3	
342.	3374 <i>Acacia huegelii</i>			
343.	3409 <i>Acacia lasiocarpa</i> (Panjang)			
344.	11611 <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i>			
345.	3502 <i>Acacia pulchella</i> (Prickly Moses)			
346.	15481 <i>Acacia pulchella</i> var. <i>glaberrima</i>			
347.	15482 <i>Acacia pulchella</i> var. <i>goadbyi</i>			
348.	3525 <i>Acacia rostellifera</i> (Summer-scented Wattle)			
349.	3527 <i>Acacia saligna</i> (Orange Wattle, Kudjong)			
350.	30032 <i>Acacia saligna</i> subsp. <i>saligna</i>			
351.	3541 <i>Acacia sessilis</i>			
352.	3557 <i>Acacia stenoptera</i> (Narrow Winged Wattle)			
353.	3584 <i>Acacia truncata</i>			
354.	3602 <i>Acacia willdenowiana</i> (Grass Wattle)			
355.	3604 <i>Acacia xanthina</i> (White-stemmed Wattle)			
356.	6295 <i>Acrotriche cordata</i> (Coast Ground Berry)			
357.	7818 <i>Actites megalocarpus</i> (Dune Thistle)			
358.	1775 <i>Adenanthos cygnorum</i> (Common Woollybush)			
359.	11336 <i>Adenanthos cygnorum</i> subsp. <i>chamaephyton</i>		P3	
360.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
361.	5316 <i>Agonis flexuosa</i> (Peppermint, Wonil)			
362.	48513 <i>Aizoon pubescens</i>	Y		
363.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
364.	1732 <i>Allocasuarina humilis</i> (Dwarf Sheoak)			
365.	13908 <i>Allocasuarina lehmanniana</i> subsp. <i>lehmanniana</i>			
366.	4906 <i>Alyogyne huegelii</i> (Lilac Hibiscus)			
367.	2668 <i>Amaranthus powellii</i> (Powell's Amaranth)	Y		
368.	2671 <i>Amaranthus viridis</i> (Green Amaranth)	Y		
369.	6311 <i>Andersonia heterophylla</i>			
370.	6314 <i>Andersonia lehmanniana</i>			
371.	11471 <i>Andersonia lehmanniana</i> subsp. <i>lehmanniana</i>			
372.	11725 <i>Anthocercis ilicifolia</i> subsp. <i>ilicifolia</i>			
373.	6949 <i>Anthocercis littorea</i> (Yellow Tailflower)			
374.	3688 <i>Aotus gracillima</i>			
375.	3692 <i>Aotus procumbens</i>			
376.	12040 <i>Apium prostratum</i> subsp. <i>prostratum</i> var. <i>prostratum</i> (Sea Celery)			

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377.	7838 <i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		
378.	7839 <i>Arctotheca populifolia</i> (Dune Arctotheca, Beach Pumpkin, Coast Capeweed, Beach Daisy)	Y		
379.	7840 <i>Arctotis stoechadifolia</i> (White Arctotis, Silver Arctotis)	Y		
380.	20283 <i>Astartea scoparia</i> (Common Astartea)			
381.	7851 <i>Asteridea pulverulenta</i> (Common Bristle Daisy)			
382.	6323 <i>Astroloma ciliatum</i> (Candle Cranberry)			
383.	6331 <i>Astroloma microcalyx</i> (Native Cranberry)			
384.	6334 <i>Astroloma pallidum</i> (Kick Bush)			
385.	6339 <i>Astroloma xerophyllum</i>			
386.	2463 <i>Atriplex isatidea</i> (Coast Saltbush)			
387.	5365 <i>Baeckea robusta</i>			
388.	34161 <i>Baeckea</i> sp. Limestone (N. Gibson & M.N. Lyons 1425)		P1	
389.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			
390.	32580 <i>Banksia dallanneyi</i> subsp. <i>dallanneyi</i> var. <i>dallanneyi</i>			
391.	1819 <i>Banksia grandis</i> (Bull Banksia, Pulgarta)			
392.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
393.	11386 <i>Banksia leptophylla</i> var. <i>melletica</i>			
394.	1830 <i>Banksia littoralis</i> (Swamp Banksia, Pungura)			
395.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
396.	32202 <i>Banksia nivea</i> (Honeypot Dryandra, Pudjarn)			
397.	1842 <i>Banksia prionotes</i> (Acorn Banksia)			
398.	32076 <i>Banksia sessilis</i> (Parrot Bush, Pudjak)			
399.	32077 <i>Banksia sessilis</i> var. <i>cygnorum</i>			
400.	5382 <i>Beaufortia elegans</i> (Elegant Beaufortia)			
401.	7046 <i>Bellardia trixago</i> (Bellardia)	Y		
402.	48868 <i>Bellardia viscosa</i>	Y		
403.	4594 <i>Beyeria cinerea</i>			
404.	34236 <i>Beyeria cinerea</i> subsp. <i>cinerea</i>		P3	
405.	25788 <i>Billardiera fraseri</i> (Elegant Pronaya)			
406.	7856 <i>Blennospora drummondii</i>			
407.	4437 <i>Boronia purdieana</i> (Winter Boronia)			
408.	17665 <i>Boronia purdieana</i> subsp. <i>purdieana</i>			
409.	4438 <i>Boronia ramosa</i>			
410.	11381 <i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
411.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
412.	7867 <i>Brachyscome bellidioides</i>			
413.	7878 <i>Brachyscome iberidifolia</i>			
414.	11187 <i>Brassica barrelieri</i> subsp. <i>oxyrhina</i> (Smooth-stem Turnip)	Y		
415.	3000 <i>Brassica tournefortii</i> (Mediterranean Turnip)	Y		
416.	2845 <i>Calandrinia brevipedata</i> (Short-stalked Purslane)			
417.	2848 <i>Calandrinia corrigioloides</i> (Strap Purslane)			
418.	2854 <i>Calandrinia granulifera</i> (Pygmy Purslane)			
419.	2856 <i>Calandrinia liniflora</i> (Parakeelya)			
420.	44226 <i>Calandrinia oraria</i>		P3	
421.	40827 <i>Calandrinia tholiformis</i>			
422.	5411 <i>Calothamnus hirsutus</i>			
423.	5415 <i>Calothamnus lateralis</i>			
424.	5426 <i>Calothamnus quadrifidus</i> (One-sided Bottlebrush, Kwowdjard)			
425.	35816 <i>Calothamnus quadrifidus</i> subsp. <i>quadrifidus</i>			
426.	5429 <i>Calothamnus sanguineus</i> (Silky-leaved Blood flower, Pindak)			
427.	5439 <i>Calytrix angulata</i> (Yellow Starflower)			
428.	5458 <i>Calytrix flavescens</i> (Summer Starflower)			
429.	5460 <i>Calytrix fraseri</i> (Pink Summer Calytrix)			
430.	5476 <i>Calytrix sapphirina</i>			
431.	5479 <i>Calytrix strigosa</i>			
432.	7909 <i>Carduus pycnocephalus</i> (Slender Thistle)	Y		
433.	2795 <i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
434.	2796 <i>Carpobrotus modestus</i> (Inland Pigface)			
435.	2798 <i>Carpobrotus virescens</i> (Coastal Pigface, Kolboko, Bain)			
436.	2951 <i>Cassytha flava</i> (Dodder Laurel)			
437.	2952 <i>Cassytha glabella</i> (Tangled Dodder Laurel)			
438.	11501 <i>Cassytha glabella</i> forma <i>casuarinae</i>			
439.	2956 <i>Cassytha pomiformis</i> (Dodder Laurel)			
440.	2957 <i>Cassytha racemosa</i> (Dodder Laurel)			
441.	11799 <i>Cassytha racemosa</i> forma <i>racemosa</i>			
442.	7916 <i>Centaurea melitensis</i> (Maltese Cockspur, Malta Thistle)	Y		
443.	6539 <i>Centaureum erythraea</i> (Common Centaury)	Y		
444.	17800 <i>Centaureum pulchellum</i>	Y		
445.	6542 <i>Centaureum tenuiflorum</i>	Y		

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446.	6214 <i>Centella asiatica</i>			
447.	13119 <i>Cerastium balearicum</i>	Y		
448.	2889 <i>Cerastium glomeratum</i> (Mouse Ear Chickweed)	Y		
449.	5498 <i>Chamelaucium uncinatum</i> (Geraldton Wax)			
450.	2483 <i>Chenopodium album</i> (Fat Hen)	Y		
451.	6543 <i>Cicendia filiformis</i> (Slender Cicendia)	Y		
452.	7937 <i>Cirsium vulgare</i> (Spear Thistle, Scotch Thistle)	Y		
453.	10804 <i>Clematis linearifolia</i>			
454.	2929 <i>Clematis pubescens</i> (Common Clematis)			
455.	44593 <i>Coleonema pulchellum</i>	Y		
456.	4550 <i>Comesperma calymega</i> (Blue-spike Milkwort)			
457.	4552 <i>Comesperma confertum</i>			
458.	4554 <i>Comesperma flavum</i>			
459.	4555 <i>Comesperma integerrimum</i>			
460.	4564 <i>Comesperma virgatum</i> (Milkwort)			
461.	4566 <i>Comesperma volubile</i> (Love Creeper)			
462.	1857 <i>Conospermum acerosum</i> (Needle-leaved Smokebush)			
463.	15607 <i>Conospermum acerosum</i> subsp. <i>acerosum</i>			
464.	15513 <i>Conospermum boreale</i> subsp. <i>boreale</i>			
465.	15041 <i>Conospermum canaliculatum</i>			
466.	15516 <i>Conospermum canaliculatum</i> subsp. <i>canaliculatum</i>			
467.	1876 <i>Conospermum incurvum</i> (Plume Smokebush)			
468.	1882 <i>Conospermum stoechadis</i> (Common Smokebush)			
469.	15611 <i>Conospermum stoechadis</i> subsp. <i>stoechadis</i> (Common Smokebush)			
470.	1885 <i>Conospermum triplinervium</i> (Tree Smokebush)			
471.	6347 <i>Conostephium minus</i> (Pink-tipped Pearl flower)			
472.	6348 <i>Conostephium pendulum</i> (Pearl Flower)			
473.	6349 <i>Conostephium preissii</i>			
474.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
475.	20074 <i>Conyza sumatrensis</i>	Y		
476.	17104 <i>Corymbia calophylla</i> (Marr)			
477.	7943 <i>Cotula australis</i> (Common Cotula)			
478.	7947 <i>Cotula turbinata</i> (Funnel Weed)	Y		
479.	42009 <i>Craspedia</i> sp. Yalgorup National Park (G.J. Keighery 14449)			
480.	11221 <i>Crassula alata</i> var. <i>alata</i>	Y		
481.	17701 <i>Crassula closiana</i>			
482.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
483.	11709 <i>Crassula colorata</i> var. <i>acuminata</i>			
484.	11563 <i>Crassula colorata</i> var. <i>colorata</i>			
485.	11349 <i>Crassula decumbens</i> var. <i>decumbens</i>			
486.	3140 <i>Crassula glomerata</i>	Y		
487.	4802 <i>Cryptandra mutila</i>			
488.	4809 <i>Cryptandra pungens</i>			
489.	4810 <i>Cryptandra scoparia</i>			
490.	25825 <i>Cucurbita pepo</i>	Y		
491.	11021 <i>Cuscuta planiflora</i>	Y		
492.	7451 <i>Dampiera lavandulacea</i>			
493.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
494.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
495.	3793 <i>Daviesia angulata</i>			
496.	3805 <i>Daviesia decurrens</i> (Prickly Bitter-pea)			
497.	19747 <i>Daviesia decurrens</i> subsp. <i>decurrens</i>			
498.	3807 <i>Daviesia divaricata</i> (Marno)			
499.	18560 <i>Daviesia divaricata</i> subsp. <i>divaricata</i>			
500.	3824 <i>Daviesia nudiflora</i>			
501.	16585 <i>Daviesia nudiflora</i> subsp. <i>nudiflora</i>			
502.	3832 <i>Daviesia physodes</i>			
503.	3833 <i>Daviesia podophylla</i>			
504.	3837 <i>Daviesia quadrilatera</i>			
505.	3845 <i>Daviesia triflora</i>			
506.	4453 <i>Diplolaena angustifolia</i> (Yanchep Rose)			
507.	4746 <i>Diplopeltis huegelii</i>			
508.	18541 <i>Diplopeltis huegelii</i> subsp. <i>huegelii</i>			
509.	3011 <i>Diploxys muralis</i> (Wall Rocket)	Y		
510.	7054 <i>Dischisma arenarium</i>	Y		
511.	7961 <i>Dittrichia graveolens</i> (Stinkwort)	Y		
512.	4754 <i>Dodonaea aptera</i> (Coast Hop-bush)			
513.	13381 <i>Drosera citrina</i>			
514.	48751 <i>Drosera drummondii</i>			
515.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			

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516.	3098 <i>Drosera glanduligera</i> (Pimpernel Sundew)			
517.	48769 <i>Drosera indumenta</i>			
518.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
519.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
520.	3114 <i>Drosera nitidula</i> (Shining Sundew)			
521.	3118 <i>Drosera pallida</i> (Pale Rainbow)			
522.	11570 <i>Epilobium billardioreanum</i> subsp. <i>billardioreanum</i> (Smooth Willow Herb)			
523.	11992 <i>Epilobium billardioreanum</i> subsp. <i>intermedium</i>			
524.	6132 <i>Epilobium ciliatum</i>	Y		
525.	6133 <i>Epilobium hirtigerum</i> (Hairy Willow Herb)			
526.	14289 <i>Epilobium tetragonum</i> subsp. <i>tetragonum</i>	Y		
527.	13949 <i>Eremaea asterocarpa</i>			
528.	13950 <i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
529.	5537 <i>Eremaea beaufortioides</i>			
530.	5540 <i>Eremaea fimbriata</i>			
531.	5541 <i>Eremaea pauciflora</i>			
532.	14104 <i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
533.	7215 <i>Eremophila glabra</i> (Tar Bush)			
534.	17175 <i>Eremophila glabra</i> subsp. <i>albicans</i>			
535.	4332 <i>Erodium botrys</i> (Long Storksbill)	Y		
536.	4333 <i>Erodium cicutarium</i> (Common Storksbill)	Y		
537.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
538.	4336 <i>Erodium moschatum</i> (Musky Crowfoot)	Y		
539.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
540.	15446 <i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			
541.	13091 <i>Eucalyptus argutifolia</i> (Wabling Hill Mallee)		T	
542.	5615 <i>Eucalyptus decipiens</i> (Limestone Marlock, Moit)			
543.	5649 <i>Eucalyptus foecunda</i> (Narrow-leaved Red Mallee)			
544.	5659 <i>Eucalyptus gomphocephala</i> (Tuart, Duart)			
545.	5708 <i>Eucalyptus marginata</i> (Jarrah, Djara)			
546.	13547 <i>Eucalyptus marginata</i> subsp. <i>marginata</i> (Jarrah)			
547.	20808 <i>Eucalyptus petiolaris</i>	Y		
548.	13541 <i>Eucalyptus petrensis</i>			
549.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
550.	13511 <i>Eucalyptus rudis</i> subsp. <i>rudis</i>			
551.	5790 <i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
552.	16915 <i>Eucalyptus x mundijongensis</i>		P1	
553.	15137 <i>Euchiton sphaericus</i>			
554.	4636 <i>Euphorbia paralias</i> (Sea Spurge)	Y		
555.	4638 <i>Euphorbia peplus</i> (Petty Spurge)	Y		
556.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
557.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
558.	1747 <i>Ficus carica</i> (Common Fig)	Y		
559.	6221 <i>Foeniculum vulgare</i> (Fennel)	Y		
560.	2969 <i>Fumaria capreolata</i> (Whiteflower Fumitory)	Y		
561.	2971 <i>Fumaria muralis</i> (Wall Fumitory)	Y		
562.	31532 <i>Fumaria muralis</i> subsp. <i>muralis</i>	Y		
563.	7976 <i>Galinsoga parviflora</i> (Potato Weed)	Y		
564.	7323 <i>Gallium murale</i> (Small Goosegrass)	Y		
565.	20483 <i>Gastrolobium linearifolium</i>			
566.	20482 <i>Gastrolobium nervosum</i>			
567.	16311 <i>Gazania linearis</i>	Y		
568.	4339 <i>Geranium molle</i> (Dove's Foot Cranesbill)	Y		
569.	4340 <i>Geranium retrorsum</i>			
570.	33620 <i>Glischrocaryon angustifolium</i>			
571.	6143 <i>Glischrocaryon aureum</i> (Common Popflower)			
572.	7991 <i>Gnephosis drummondii</i>			
573.	3945 <i>Gompholobium aristatum</i>			
574.	10909 <i>Gompholobium confertum</i>			
575.	3950 <i>Gompholobium knightianum</i>			
576.	19295 <i>Gompholobium pungens</i>			
577.	11083 <i>Gompholobium scabrum</i>			
578.	3956 <i>Gompholobium shuttleworthii</i>			
579.	3957 <i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
580.	6161 <i>Gonocarpus pithyoides</i>			
581.	19286 <i>Goodenia pulchella</i> subsp. <i>Coastal Plain A</i> (M. Hislop 634)			
582.	37500 <i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
583.	15813 <i>Grevillea evanescens</i>		P1	
584.	15839 <i>Grevillea preissii</i> subsp. <i>preissii</i>			
585.	2119 <i>Grevillea vestita</i>			

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586.	12824 <i>Grevillea vestita</i> subsp. <i>vestita</i>			
587.	5011 <i>Guichenotia ledifolia</i>			
588.	2784 <i>Gyrostemon ramulosus</i> (Corkybark)			
589.	2146 <i>Hakea costata</i> (Ribbed Hakea)			
590.	2175 <i>Hakea lissocarpha</i> (Honey Bush)			
591.	2197 <i>Hakea prostrata</i> (Harsh Hakea)			
592.	12233 <i>Hakea psilorrhyncha</i>			
593.	2203 <i>Hakea ruscifolia</i> (Candle Hakea)			
594.	2214 <i>Hakea trifurcata</i> (Two-leaf Hakea)			
595.	2216 <i>Hakea varia</i> (Variable-leaved Hakea)			
596.	41180 <i>Haloragis</i> sp. Parrot Ridge (G.J. Keighery 11563)		P1	Y
597.	3961 <i>Hardenbergia comptoniana</i> (Native Wisteria)			
598.	3016 <i>Heliophila pusilla</i>	Y		
599.	16933 <i>Hemiandra glabra</i>			
600.	6839 <i>Hemiandra pungens</i> (Snakebush)			
601.	38320 <i>Hemiandra</i> sp. Jurien (B.J. Conn & M.E. Tozer BJC 3885)			
602.	6871 <i>Hemigenia sericea</i> (Silky Hemigenia)			
603.	41020 <i>Hemiphora bartlingii</i> (Woolly Dragon)			
604.	5112 <i>Hibbertia aurea</i>			
605.	5116 <i>Hibbertia crassifolia</i>			
606.	5134 <i>Hibbertia huegelii</i>			
607.	5135 <i>Hibbertia hypericoides</i> (Yellow Buttercups)			
608.	45534 <i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
609.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
610.	43280 <i>Hibbertia sericosepala</i>			
611.	<i>Hibbertia</i> sp.			
612.	11461 <i>Hibbertia spicata</i> subsp. <i>leptotheca</i>		P3	
613.	48381 <i>Hibbertia striata</i>			
614.	5173 <i>Hibbertia subvaginata</i>			
615.	6222 <i>Homalosciadium homalocarpum</i>			
616.	3966 <i>Hovea pungens</i> (Devil's Pins, Puyenak)			
617.	3968 <i>Hovea trisperma</i> (Common Hovea)			
618.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
619.	12741 <i>Hyalosperma cotula</i>			
620.	12742 <i>Hyalosperma demissum</i>			
621.	5216 <i>Hybanthus calycinus</i> (Wild Violet)			
622.	12007 <i>Hybanthus floribundus</i> subsp. <i>floribundus</i>			
623.	6224 <i>Hydrocotyle blepharocarpa</i>			
624.	6226 <i>Hydrocotyle callicarpa</i> (Small Pennywort)			
625.	6229 <i>Hydrocotyle diantha</i>			
626.	6232 <i>Hydrocotyle hispidula</i>			
627.	11546 <i>Hydrocotyle pilifera</i> var. <i>glabrata</i>			
628.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
629.	35070 <i>Hypocalymma angustifolium</i> subsp. <i>Swan Coastal Plain</i> (G.J. Keighery 16777)			
630.	31431 <i>Hypocalymma</i> sp. Nambung (R. Spjut & R. Smith s.n. 22/09/1992)			
631.	8086 <i>Hypochoeris glabra</i> (Smooth Catsear)	Y		
632.	9352 <i>Hypochoeris radicata</i> (Flat Weed, Cats-ear)	Y		
633.	7396 <i>Isotoma hypocrateriformis</i> (Woodbridge Poison)			
634.	3992 <i>Isotropis cuneifolia</i> (Granny Bonnets)			
635.	19700 <i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i>			
636.	14783 <i>Jacksonia calcicola</i>			
637.	4010 <i>Jacksonia floribunda</i> (Holly Pea)			
638.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
639.	20462 <i>Jacksonia gracillima</i>		P3	
640.	4027 <i>Jacksonia sericea</i> (Waldjumi)		P4	
641.	4029 <i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
642.	4042 <i>Kennedia nigricans</i> (Black Kennedia)			
643.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
644.	5832 <i>Kunzea ericifolia</i> (Spearwood, Pondil)			
645.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
646.	29046 <i>Lactuca serriola</i> forma <i>serriola</i>	Y		
647.	18585 <i>Lagenophora huegelii</i>			
648.	5036 <i>Lasiopetalum lineare</i>			
649.	5038 <i>Lasiopetalum membranaceum</i>		P3	
650.	7568 <i>Lechenaultia biloba</i> (Blue Leschenaultia)			
651.	7572 <i>Lechenaultia expansa</i>			
652.	7574 <i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
653.	7577 <i>Lechenaultia hirsuta</i> (Hairy Leschenaultia)			
654.	7580 <i>Lechenaultia linarioides</i> (Yellow Leschenaultia)			
655.	7586 <i>Lechenaultia stenosepala</i> (Narrow-sepaled Leschenaultia)			

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656.	44490 <i>Leontodon rhagadioloides</i>	Y		
657.	3042 <i>Lepidium pseudotasmanicum</i>		P4	
658.	3044 <i>Lepidium rotundum</i> (Veined Peppergrass)			
659.	2344 <i>Leptomeria empetriformis</i>			
660.	2350 <i>Leptomeria pauciflora</i> (Sparse-flowered Currant Bush)			
661.	2352 <i>Leptomeria preissiana</i>			
662.	17852 <i>Leptorhynchus scaber</i> (Lanky Buttons)			
663.	5850 <i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
664.	5857 <i>Leptospermum spinescens</i>			
665.	16449 <i>Leucophyta brownii</i>			
666.	6374 <i>Leucopogon conostephioides</i>			
667.	6405 <i>Leucopogon insularis</i>			
668.	40801 <i>Leucopogon maritimus</i>		P1	
669.	6425 <i>Leucopogon oxycedrus</i>			
670.	6427 <i>Leucopogon parviflorus</i> (Coast Beard-heath)			
671.	6434 <i>Leucopogon polymorphus</i>			
672.	6436 <i>Leucopogon propinquus</i>			
673.	6440 <i>Leucopogon racemosus</i>			
674.	19460 <i>Leucopogon</i> sp. <i>Yancheop</i> (M. Hislop 1986)		P3	
675.	6445 <i>Leucopogon squarrosus</i>			
676.	40803 <i>Leucopogon squarrosus</i> subsp. <i>squarrosus</i>			
677.	40804 <i>Leucopogon squarrosus</i> subsp. <i>trigynus</i>		P2	
678.	7676 <i>Levenhookia pusilla</i> (Midget Stylewort)			
679.	7677 <i>Levenhookia stipitata</i> (Common Stylewort)			
680.	4362 <i>Linum marginale</i> (Wild Flax)			
681.	9289 <i>Lobelia anceps</i> (Angled Lobelia)			
682.	7402 <i>Lobelia gibbosa</i> (Tall Lobelia)			
683.	7403 <i>Lobelia heterophylla</i> (Wing-seeded Lobelia)			
684.	36863 <i>Lobelia heterophylla</i> subsp. <i>heterophylla</i>			
685.	7405 <i>Lobelia rarifolia</i>			
686.	7408 <i>Lobelia tenuior</i> (Slender Lobelia)			
687.	6515 <i>Logania vaginalis</i> (White Spray)			
688.	4066 <i>Lupinus cosentinii</i>	Y		
689.	36375 <i>Lysimachia arvensis</i> (Pimpernel)	Y		
690.	6456 <i>Lysinema ciliatum</i> (Curry Flower)			
691.	6458 <i>Lysinema elegans</i>			
692.	34736 <i>Lysinema pentapetalum</i>			
693.	5281 <i>Lythrum hyssopifolia</i> (Lesser Loosestrife)	Y		
694.	2838 <i>Macarthuria apetala</i>			
695.	2839 <i>Macarthuria australis</i>			
696.	31351 <i>Malva preissiana</i>			
697.	25819 <i>Marianthus paralius</i>		T	
698.	3049 <i>Matthiola incana</i> (Common Stock)	Y		
699.	34676 <i>Meionectes brownii</i> (Swamp Raspwort)			
700.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
701.	5920 <i>Melaleuca huegelii</i> (Chenille Honey myrtle)			
702.	13271 <i>Melaleuca huegelii</i> subsp. <i>huegelii</i>			
703.	5922 <i>Melaleuca lanceolata</i> (Rottnest Teatree, Moonah)			
704.	18394 <i>Melaleuca parviceps</i>			
705.	5952 <i>Melaleuca preissiana</i> (Moonah)			
706.	5959 <i>Melaleuca raphiophylla</i> (Swamp Paperbark)			
707.	5964 <i>Melaleuca seriata</i>			
708.	33022 <i>Melaleuca</i> sp. <i>Wanneroo</i> (G.J. Keighery 16705)		T	Y
709.	18598 <i>Melaleuca systema</i>			
710.	5978 <i>Melaleuca teretifolia</i> (Banbar)			
711.	5983 <i>Melaleuca trichophylla</i>			
712.	5986 <i>Melaleuca urceolaris</i>			
713.	4085 <i>Melilotus indicus</i>	Y		
714.	15994 <i>Mentha x piperita</i> var. <i>citrata</i>	Y		
715.	8105 <i>Millotia myosotidifolia</i>			
716.	8106 <i>Millotia tenuifolia</i> (Soft Millotia)			
717.	16693 <i>Minuartia mediterranea</i>	Y		
718.	4100 <i>Mirbelia spinosa</i>			
719.	4662 <i>Monotaxis grandiflora</i> (Diamond of the Desert)			
720.	4666 <i>Monotaxis occidentalis</i>			
721.	2412 <i>Muehlenbeckia adpressa</i> (Climbing Lignum)			
722.	2415 <i>Muehlenbeckia polybotrya</i>			
723.	7289 <i>Myoporum caprarioides</i> (Slender Myoporum)			
724.	7291 <i>Myoporum insulare</i> (Blueberry Tree, boobialla)			
725.	4366 <i>Nitraria billardierei</i> (Nitre Bush)			



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726.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
727.	16390 <i>Oenothera drummondii</i> subsp. <i>drummondii</i>	Y		
728.	6139 <i>Oenothera glazioviana</i> (Evening Primrose)	Y		
729.	20052 <i>Oenothera jamesii</i>	Y		
730.	2365 <i>Olax benthamiana</i>			
731.	8127 <i>Olearia axillaris</i> (Coastal Daisybush)			
732.	8149 <i>Olearia rudis</i> (Rough Daisybush)			
733.	7348 <i>Opercularia hispidula</i> (Hispid Stinkweed)			
734.	18256 <i>Opercularia spermacocea</i>			
735.	18255 <i>Opercularia vaginata</i> (Dog Weed)			
736.	7122 <i>Orobancha minor</i> (Lesser Broomrape)	Y		
737.	30375 <i>Oxalis exilis</i>			
738.	4355 <i>Oxalis perennans</i>			
739.	4356 <i>Oxalis pes-caprae</i> (Soursob)	Y		
740.	7089 <i>Parentucellia latifolia</i> (Common Bartsia)	Y		
741.	12670 <i>Parietaria cardiostegia</i>			
742.	1762 <i>Parietaria debilis</i> (Pellitory)			
743.	5225 <i>Passiflora filamentosa</i>	Y		
744.	4343 <i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
745.	4346 <i>Pelargonium littorale</i>			
746.	6006 <i>Pericalymma ellipticum</i> (Swamp Teatree)			
747.	13911 <i>Persicaria decipiens</i>			
748.	2258 <i>Persoonia comata</i>			
749.	2273 <i>Persoonia saccata</i> (Snottygobble)			
750.	20368 <i>Petrophile axillaris</i>			
751.	2286 <i>Petrophile brevifolia</i>			
752.	48781 <i>Petrophile brevifolia</i> subsp. <i>brevifolia</i>			
753.	2299 <i>Petrophile linearis</i> (Pixie Mops)			
754.	2301 <i>Petrophile macrostachya</i>			
755.	2306 <i>Petrophile rigida</i>			
756.	2308 <i>Petrophile seminuda</i>			
757.	2309 <i>Petrophile serruriae</i>			
758.	19825 <i>Petrothagia dubia</i>	Y		
759.	18355 <i>Petroselinum crispum</i> (Parsley)	Y		
760.	18529 <i>Philotheca spicata</i> (Pepper and Salt)			
761.	18197 <i>Phyla nodiflora</i>	Y		
762.	6734 <i>Phyla nodiflora</i> var. <i>nodiflora</i>	Y		
763.	16177 <i>Phyllangium paradoxum</i>			
764.	4675 <i>Phyllanthus calycinus</i> (False Boronia)			
765.	6983 <i>Physalis peruviana</i> (Cape Gooseberry)	Y		
766.	2793 <i>Phytolacca octandra</i> (Red Ink Plant)	Y		
767.	5232 <i>Pimelea argentea</i> (Silvery Leaved Pimelea)			
768.	5237 <i>Pimelea calcicola</i>		P3	
769.	5243 <i>Pimelea ferruginea</i>			
770.	5244 <i>Pimelea floribunda</i>			
771.	5246 <i>Pimelea gilgiana</i>			
772.	5251 <i>Pimelea imbricata</i>			
773.	11402 <i>Pimelea imbricata</i> var. <i>piliger</i>			
774.	5254 <i>Pimelea leucantha</i>			
775.	18117 <i>Pimelea rosea</i> subsp. <i>rosea</i>			
776.	5268 <i>Pimelea sulphurea</i> (Yellow Banjine)			
777.	42281 <i>Pithocarpa cordata</i>			
778.	8163 <i>Pithocarpa corymbulosa</i> (Corymbose Pithocarpa)		P3	
779.	8165 <i>Pithocarpa pulchella</i> (Beautiful Pithocarpa)			
780.	18353 <i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
781.	7303 <i>Plantago lanceolata</i> (Ribwort Plantain)	Y		
782.	4524 <i>Platytheca galioides</i>			
783.	8175 <i>Podolepis gracilis</i> (Slender Podolepis)			
784.	8177 <i>Podolepis lessonii</i>			
785.	8182 <i>Podotheca angustifolia</i> (Sticky Longheads)			
786.	8183 <i>Podotheca chrysantha</i> (Yellow Podotheca)			
787.	8184 <i>Podotheca gnaphalioides</i> (Golden Long-heads)			
788.	2905 <i>Polycarpon tetraphyllum</i> (Fourleaf Allseed)	Y		
789.	4688 <i>Poranthera drummondii</i>			
790.	4689 <i>Poranthera ericoides</i> (Heath Poranthera)			
791.	4691 <i>Poranthera microphylla</i> (Small Poranthera)			
792.	8189 <i>Pseudognaphalium luteoalbum</i> (Jersey Cudweed)			
793.	4155 <i>Psoralea pinnata</i> (African Scurfpea)	Y		
794.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
795.	11260 <i>Ptilotus drummondii</i> var. <i>drummondii</i> (Pussytail)			

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796.	2733 <i>Ptilotus humilis</i>			
797.	2742 <i>Ptilotus manglesii</i> (Pom Poms, Mulamula)			
798.	2751 <i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
799.	40841 <i>Ptilotus stirlingii</i> subsp. <i>stirlingii</i>			
800.	4181 <i>Pultenaea reticulata</i>			
801.	8195 <i>Quinetia urvillei</i>			
802.	2932 <i>Ranunculus colonorum</i> (Common Buttercup)			
803.	2933 <i>Ranunculus muricatus</i> (Sharp Buttercup)	Y		
804.	3061 <i>Raphanus raphanistrum</i> (Wild Radish)	Y		
805.	6012 <i>Regelia ciliata</i>			
806.	6014 <i>Regelia inops</i>			
807.	8197 <i>Reichardia tingitana</i> (False Sowthistle)	Y		
808.	19183 <i>Retama raetam</i>	Y		
809.	18547 <i>Rhadinothamnus anceps</i>			
810.	2578 <i>Rhagodia baccata</i> (Berry Saltbush)			
811.	11341 <i>Rhagodia baccata</i> subsp. <i>baccata</i>			
812.	13300 <i>Rhodanthe citrina</i>			
813.	15035 <i>Rhodanthe corymbosa</i>			
814.	2967 <i>Romneya coulteri</i> (California Tree Poppy)	Y		
815.	2433 <i>Rumex crispus</i> (Curled Dock)	Y		
816.	2440 <i>Rumex pulcher</i> (Fiddle Dock)	Y		
817.	2906 <i>Sagina apetala</i> (Annual Pearlwort)	Y		
818.	6483 <i>Samolus junceus</i>			
819.	2356 <i>Santalum acuminatum</i> (Quandong, Warraga)			
820.	17543 <i>Sarcozona bicarinata</i>		P3	
821.	7368 <i>Scabiosa atropurpurea</i> (Purple Pincushion)	Y		
822.	7603 <i>Scaevola canescens</i> (Grey Scaevola)			
823.	7606 <i>Scaevola crassifolia</i> (Thick-leaved Fan-flower)			
824.	7614 <i>Scaevola globulifera</i>			
825.	7626 <i>Scaevola nitida</i> (Shining Fanflower)			
826.	13181 <i>Scaevola repens</i> var. <i>angustifolia</i>			
827.	13182 <i>Scaevola repens</i> var. <i>repens</i>			
828.	7647 <i>Scaevola thesioides</i>			
829.	13152 <i>Scaevola thesioides</i> subsp. <i>thesioides</i>			
830.	48834 <i>Schinus terebinthifolia</i>	Y		
831.	6033 <i>Scholtzia involucreta</i> (Spiked Scholtzia)			
832.	8203 <i>Senecio diaschides</i>			
833.	20663 <i>Senecio multicaulis</i> subsp. <i>multicaulis</i>			
834.	20161 <i>Senecio pinnatifolius</i>			
835.	25884 <i>Senecio pinnatifolius</i> var. <i>latilobus</i>			
836.	8218 <i>Senecio ramosissimus</i> (Auricled Groundsel)			
837.	8220 <i>Senecio vulgaris</i> (Common Groundsel)	Y		
838.	2909 <i>Silene gallica</i> (French Catchfly)	Y		
839.	2910 <i>Silene nocturna</i> (Mediterranean Catchfly)	Y		
840.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
841.	6988 <i>Solanum americanum</i> (Glossy Nightshade)	Y		
842.	7020 <i>Solanum linnaeanum</i> (Apple of Sodom)	Y		
843.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
844.	7037 <i>Solanum symonii</i>			
845.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
846.	2914 <i>Spergularia diandra</i> (Lesser Sand Spurry)	Y		
847.	20348 <i>Sphaerolobium calcicola</i>		P3	
848.	17551 <i>Sphaerolobium drummondii</i>			
849.	4207 <i>Sphaerolobium medium</i>			
850.	4828 <i>Spyridium globulosum</i> (Basket Bush)			
851.	4713 <i>Stachystemon axillaris</i> (Leafy Stachystemon)			
852.	9069 <i>Stackhousia huegelii</i>			
853.	4733 <i>Stackhousia monogyna</i>			
854.	9070 <i>Stackhousia pubescens</i> (Downy Stackhousia)			
855.	2918 <i>Stellaria media</i> (Chickweed)	Y		
856.	14236 <i>Stenanthemum limitatum</i>		P2	
857.	15066 <i>Stenanthemum notiale</i> subsp. <i>chamelum</i>			
858.	19403 <i>Stenopetalum gracile</i>			
859.	3080 <i>Stenopetalum robustum</i>			
860.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
861.	7679 <i>Stylidium adpressum</i> (Trigger-on-stilts)			
862.	30278 <i>Stylidium androsaceum</i>			
863.	25831 <i>Stylidium araeophyllum</i> (Stilt Walker)			
864.	30276 <i>Stylidium bicolor</i>			
865.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			

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866.	7694 <i>Stylidium bulbiferum</i> (Circus Triggerplant)			
867.	7696 <i>Stylidium calcaratum</i> (Book Triggerplant)			
868.	7708 <i>Stylidium crassifolium</i> (Thick-leaved Triggerplant)			
869.	7709 <i>Stylidium crossoccephalum</i> (Posy Triggerplant)			
870.	7710 <i>Stylidium cygnorum</i>			
871.	7713 <i>Stylidium dichotomum</i> (Pins-and-needles)			
872.	7716 <i>Stylidium diuroides</i> (Donkey Triggerplant)			
873.	11808 <i>Stylidium diuroides</i> subsp. <i>diuroides</i>			
874.	12848 <i>Stylidium diuroides</i> subsp. <i>paucifoliatum</i>			
875.	7717 <i>Stylidium divaricatum</i> (Daddy-long-legs)			
876.	25801 <i>Stylidium hesperium</i>			
877.	7745 <i>Stylidium junceum</i> (Reed Triggerplant)			
878.	13127 <i>Stylidium maritimum</i>		P3	
879.	25829 <i>Stylidium neurophyllum</i> (Coastal Plain Triggerplant)			
880.	7774 <i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
881.	25837 <i>Stylidium purpureum</i> (Purple Fountain Triggerplant)			
882.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
883.	20521 <i>Stylidium rigidulum</i>			
884.	25806 <i>Stylidium scariosum</i>			
885.	7798 <i>Stylidium schoenoides</i> (Cow Kicks)			
886.	<i>Stylidium</i> sp.			
887.	48297 <i>Styphelia filifolia</i>		P3	
888.	2324 <i>Synaphea petiolaris</i> (Synaphea)			
889.	2329 <i>Synaphea spinulosa</i>			
890.	15532 <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
891.	15741 <i>Tamarix aphylla</i> (Athel Tree)	Y		
892.	4256 <i>Templetonia retusa</i> (Cockies Tongues)			
893.	2791 <i>Tersonia cyathiflora</i> (Button Creeper)			
894.	2820 <i>Tetragonia decumbens</i> (Sea Spinach)	Y		
895.	5077 <i>Thomasia cognata</i>			
896.	5105 <i>Thomasia triphylla</i>			
897.	19253 <i>Trachymene ceratocarpa</i>			
898.	6266 <i>Trachymene coerulea</i> (Blue Lace Flower)			
899.	19041 <i>Trachymene coerulea</i> subsp. <i>coerulea</i>			
900.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
901.	4291 <i>Trifolium arvense</i> (Hare's Foot Clover)	Y		
902.	17542 <i>Trifolium arvense</i> var. <i>arvense</i>	Y		
903.	4292 <i>Trifolium campestre</i> (Hop Clover)	Y		
904.	17763 <i>Trifolium campestre</i> var. <i>campestre</i> (Hop Clover)	Y		
905.	4295 <i>Trifolium dubium</i> (Suckling Clover)	Y		
906.	4297 <i>Trifolium glomeratum</i> (Cluster Clover)	Y		
907.	4309 <i>Trifolium scabrum</i> (Rough Clover)	Y		
908.	4310 <i>Trifolium spumosum</i> (Bladder Clover)	Y		
909.	4737 <i>Tripterococcus brunonis</i> (Winged Stackhousia)			
910.	11665 <i>Trymalium ledifolium</i> var. <i>ledifolium</i>			
911.	33418 <i>Trymalium odoratissimum</i> subsp. <i>odoratissimum</i>			
912.	8254 <i>Urospermum picroides</i> (False Hawkbit)	Y		
913.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
914.	38388 <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>	Y		
915.	7125 <i>Utricularia australis</i>			
916.	7665 <i>Velleia trinervis</i>			
917.	7107 <i>Verbascum virgatum</i> (Twiggy Mullein)	Y		
918.	15725 <i>Verbesina encelioides</i>	Y		
919.	7109 <i>Veronica calycina</i> (Cup Speedwell)			
920.	7110 <i>Veronica distans</i>			
921.	7666 <i>Verreauxia reinwardtii</i> (Common Verreauxia)			
922.	12411 <i>Verticordia densiflora</i> var. <i>cespitosa</i>			
923.	15432 <i>Verticordia densiflora</i> var. <i>densiflora</i>			
924.	6101 <i>Verticordia nitens</i> (Morrison Featherflower, Kodjeningara)			
925.	4322 <i>Vicia sativa</i> (Common Vetch)	Y		
926.	11474 <i>Vicia sativa</i> subsp. <i>nigra</i>	Y		
927.	4325 <i>Viminaria juncea</i> (Swishbush, Koweda)			
928.	17042 <i>Vitis vinifera</i>	Y		
929.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
930.	7389 <i>Wahlenbergia preissii</i>			
931.	13331 <i>Waitzia acuminata</i> var. <i>acuminata</i>			
932.	13328 <i>Waitzia nitida</i>			
933.	8282 <i>Waitzia suaveolens</i> (Fragrant Waitzia)			
934.	13332 <i>Waitzia suaveolens</i> var. <i>flava</i>			
935.	13333 <i>Waitzia suaveolens</i> var. <i>suaveolens</i>			

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936.	6939 <i>Westringia dampieri</i>			
937.	8286 <i>Xanthium occidentale</i> (Noogoora Burr)	Y		
938.	6289 <i>Xanthosia huegelii</i>			
939.	44861 <i>Xerochrysum macranthum</i>			
<b>Fish</b>				
940.	<i>Acanthistius pardalotus</i>			
941.	<i>Acanthistius serratus</i>			
942.	<i>Aetapcus maculatus</i>			
943.	<i>Anoplocapros robustus</i>			
944.	<i>Aracana aurita</i>			
945.	<i>Aulohalaelurus labiosus</i>			
946.	<i>Batrachomoeus rubricephalus</i>			
947.	<i>Bodianus vulpinus</i>			
948.	<i>Bostockia porosa</i>			
949.	34034 <i>Carcharias taurus</i> (Grey Nurse Shark)		T	
950.	<i>Centroberyx australis</i>			
951.	<i>Centroberyx lineatus</i>			
952.	<i>Centrolophus niger</i>			
953.	<i>Chelidonicichthys kumu</i>			
954.	<i>Cirrhimuraena calamus</i>			
955.	<i>Cleidopus gloriamaris</i>			
956.	<i>Cybiosarda elegans</i>			
957.	<i>Edelia vittata</i>			
958.	<i>Fistularia petimba</i>			
959.	34028 <i>Galaxias occidentalis</i> (Western Minnow)			
960.	<i>Gambusia affinis</i>			
961.	<i>Girella tephraeops</i>			
962.	<i>Gymnocranius grandoculis</i>			
963.	<i>Gymnothorax</i> sp.			
964.	<i>Helcogramma decurrens</i>			
965.	<i>Heteroclinus heptaeolus</i>			
966.	<i>Heterodontus portusjacksoni</i>			
967.	<i>Hippocampus</i> sp.			
968.	<i>Hippocampus tuberculatus</i>			
969.	<i>Lactoria concatenatus</i>			
970.	<i>Lactoria gibbosus</i>			
971.	<i>Lagocephalus sceleratus</i>			
972.	<i>Lethrinus genivittatus</i>			
973.	<i>Meuschenia freycineti</i>			
974.	<i>Mustelus antarcticus</i>			
975.	<i>Neatypus obliquus</i>			
976.	<i>Nelusetta ayraudi</i>			
977.	<i>Neopataecus waterhousii</i>			
978.	<i>Neosebastes bougainvillii</i>			
979.	<i>Neosebastes nigropunctatus</i>			
980.	<i>Neosebastes pandus</i>			
981.	<i>Odax cyanomelas</i>			
982.	<i>Orectolobus ornatus</i>			
983.	<i>Parablennius postocolomaculatus</i>			
984.	<i>Paraplesiops meleagris</i>			
985.	<i>Parascyllium variolatum</i>			
986.	<i>Parupeneus spilurus</i>			
987.	<i>Pempheris klunzingeri</i>			
988.	<i>Pentapodus vitta</i>			
989.	34039 <i>Phycodurus eques</i> (Leafy Sea Dragon)		P2	
990.	<i>Phyllopteryx taeniolatus</i>			
991.	<i>Platycephalus longispinis</i>			
992.	<i>Plectorhinchus flavomaculatus</i>			
993.	<i>Plectorhinchus pictus</i>			
994.	<i>Pomatomus saltatrix</i>			
995.	<i>Pseudocaranx dentex</i>			
996.	<i>Pseudogobius olorum</i>			
997.	<i>Schuettea woodwardi</i>			
998.	<i>Scorpaena sumptuosa</i>			
999.	<i>Seriola dumerili</i>			
1000.	<i>Seriola hippos</i>			
1001.	<i>Seriola lalandi</i>			
1002.	<i>Torquigener vicinus</i>			
1003.	<i>Trachinotus coppingeri</i>			
1004.	<i>Upeneichthys lineatus</i>			

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1005.	<i>Upeneichthys stotti</i>			
<b>Fungus</b>				
1006.	<i>Alternaria alternata</i>			Y
1007.	48599 <i>Amanita arenaria</i>			
1008.	18195 <i>Amanita carneiphylla</i>		P3	
1009.	46333 <i>Amanita wadulawitu</i> (Long-spored <i>Lepidella</i> )		P2	
1010.	38765 <i>Battarrea stevenii</i>			
1011.	<i>Byssomerulius corium</i>			
1012.	<i>Calocera guepinioides</i>			
1013.	<i>Coltricia cinnamomea</i>			
1014.	<i>Crepidotus nephrodes</i>			
1015.	<i>Gymnopilus allantopus</i>			
1016.	<i>Hexagonia vesparia</i>			
1017.	44926 <i>Ileodictyon gracile</i>			
1018.	38805 <i>Lentinellus pulvinulus</i>			
1019.	49003 <i>Macrolepiota turbinata</i>			
1020.	49073 <i>Peziza austrogeaster</i>			
1021.	<i>Peziza badia</i>			
1022.	<i>Peziza</i> sp.			
1023.	38819 <i>Peziza vesiculosa</i>			
1024.	48853 <i>Phaeotrametes decipiens</i>			
1025.	<i>Phytophthora cinnamomi</i>			
1026.	49071 <i>Picipes badius</i>			
1027.	44729 <i>Porostereum crassum</i>			
1028.	38830 <i>Psilocybe coprophila</i>			
1029.	<i>Tremella mesenterica</i>			
<b>Gymnosperm</b>				
1030.	85 <i>Macrozamia riedlei</i> ( <i>Zamia</i> , <i>Djiridji</i> )			
1031.	87 <i>Pinus pinaster</i> ( <i>Pinaster</i> Pine)	Y		
1032.	88 <i>Pinus radiata</i> ( <i>Radiata</i> Pine)	Y		
<b>Hepatic (Liverwort)</b>				
1033.	<i>Riccia bifurca</i>			
<b>Invertebrate</b>				
1034.	<i>Acercella falcipes</i>			
1035.	<i>Akamptogonus novarae</i>			
1036.	<i>Amblyomma triguttatum</i>			
1037.	<i>Aname mainae</i>			
1038.	<i>Aname tepperi</i>			
1039.	<i>Arachnura higginsi</i>			
1040.	<i>Araneus cyphoxis</i>			
1041.	<i>Araneus senicaudatus</i>			
1042.	<i>Arkys alticephala</i>			
1043.	<i>Arkys walckenaeri</i>			
1044.	<i>Aureocrypta lugubris</i>			
1045.	<i>Austracantha minax</i>			
1046.	<i>Australomimetes auriculatus</i>			
1047.	<i>Australomimetes djuka</i>			
1048.	<i>Australomimetes ovidi</i>			
1049.	<i>Austrochthonius australis</i>			
1050.	33971 <i>Austroconops mcmillani</i> ( <i>McMillan's biting midge</i> ( <i>Swan Coastal Plain</i> ), biting midge (southwest))		P2	
1051.	33973 <i>Austrosaga spinifer</i> ( <i>spiny katydid</i> ( <i>Swan Coastal Plain</i> ), bush cricket ( <i>Swan Coastal Plain</i> ))		P2	
1052.	<i>Baiami tegenarioides</i>			
1053.	<i>Baiami volucripes</i>			
1054.	<i>Celaenia calotooides</i>			
1055.	<i>Cercophonius granulatus</i>			
1056.	<i>Cercophonius sulcatus</i>			
1057.	<i>Cherax quinquecarinatus</i>			
1058.	<i>Cormocephalus aurantiipes</i>			
1059.	<i>Cormocephalus novaehollandiae</i>			
1060.	<i>Cormocephalus rubriceps</i>			
1061.	<i>Cormocephalus turneri</i>			
1062.	<i>Cyclosa trilobata</i>			
1063.	<i>Daphnia carinata</i>			
1064.	<i>Dingosa serrata</i>			
1065.	<i>Eriophora biapicata</i>			
1066.	<i>Ethmostigmus rubripes</i>			

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
1067.	48581 <i>Glossurocolletes bilobatus</i> (a short-tongued bee (southwest), short-tongued bee)		P2	
1068.	33974 <i>Hesperocolletes douglasi</i> (Douglas's Broad-headed Bee, Short-tongued Native Bee)		T	
1069.	48582 <i>Hurleya</i> sp. (WAM C23193) (Crystal Cave Crangonyctoid, cave shrimp)		T	Y
1070.	<i>Idiommatia blackwalli</i>			
1071.	48935 <i>Idiosoma sigillatum</i> (Swan Coastal Plain shield-backed trapdoor spider)		P3	
1072.	<i>Indolpium</i> sp.			
1073.	<i>Isopeda leishmanni</i>			
1074.	<i>Lampona cylindrata</i>			
1075.	<i>Lampona yanichep</i>			
1076.	<i>Latrodectus hasseltii</i>			
1077.	<i>Lycosa godeffroyi</i>			
1078.	<i>Maratus pavonis</i>			
1079.	<i>Masasteron sampeyae</i>			
1080.	<i>Missulena granulosa</i>			
1081.	<i>Missulena occatoria</i>			
1082.	<i>Occiperipatooides gilesii</i>			
1083.	<i>Ommatoiulus moreletii</i>			
1084.	<i>Oxidus gracilis</i>			
1085.	33988 <i>Pachysaga munggai</i> (cricket)			
1086.	<i>Paraplectanoides crassipes</i>			
1087.	<i>Pholcus phalangoides</i>			
1088.	<i>Pinkfloydia harveii</i>			
1089.	<i>Piona murleyi</i>			
1090.	<i>Prionosternum scutatum</i>			
1091.	<i>Protochelifer cavernarum</i>			
1092.	<i>Raveniella arenacea</i>			
1093.	<i>Raveniella cirrata</i>			
1094.	<i>Raveniella peckorum</i>			
1095.	<i>Scolopendra laeta</i>			
1096.	<i>Stylopallene tubirostris</i>			
1097.	33992 <i>Synemon gratioiosa</i> (Graceful Sunmoth)		P4	
1098.	<i>Tamopsis perthensis</i>			
1099.	<i>Taphiassa robertsi</i>			
1100.	<i>Tasmanicosa leuckartii</i>			
1101.	<i>Urodacus novaehollandiae</i>			
1102.	<i>Venator immansueta</i>			
1103.	<i>Venator koyuga</i>			
1104.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
1105.	<i>Westrarchaea spinosa</i>			
<b>Lichen</b>				
1106.	42104 <i>Buellia albula</i>			
1107.	27598 <i>Buellia dissa</i>			
1108.	27602 <i>Buellia georgei</i>			
1109.	31099 <i>Caloplaca kantvilasii</i>			
1110.	27754 <i>Fulgensia subbracteata</i>			
1111.	27793 <i>Lecania sylvestris</i>		P2	Y
1112.	31312 <i>Lecania turicensis</i> var. <i>turicensis</i>		P2	
1113.	27815 <i>Lecanora sphaerospora</i>			
1114.	<i>Mycocalicium albonigrum</i>			
1115.	27986 <i>Placynthium nigrum</i>		P3	
1116.	28000 <i>Psora decipiens</i>			
1117.	28049 <i>Rinodina bischoffii</i>		P2	Y
1118.	44221 <i>Xalocoa ocellata</i>			
<b>Mammal</b>				
1119.	24208 <i>Arctocephalus forsteri</i> (New Zealand Fur Seal, long-nosed fur-seal)		S	
1120.	24161 <i>Bettongia lesueur</i> subsp. <i>graii</i> (Boodie (inland), Burrowing Bettong (inland))		X	
1121.	24162 <i>Bettongia penicillata</i> subsp. <i>ogilbyi</i> (Woylie, Brush-tailed Bettong)		T	
1122.	24251 <i>Bos taurus</i> (European Cattle)	Y		
1123.	24254 <i>Camelus dromedarius</i> (Dromedary, Camel)	Y		
1124.	48920 <i>Canis familiaris</i> (Dog, Dingo)	Y		
1125.	24086 <i>Cercartetus concinnus</i> (Western Pygmy-possum, Mundarda)			
1126.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
1127.	24187 <i>Chalinolobus morio</i> (Chocolate Wattled Bat)			
1128.	24092 <i>Dasyurus geoffroyi</i> (Chuditch, Western Quoll)		T	
1129.	24043 <i>Eubalaena australis</i> (Southern Right Whale)		T	
1130.	24041 <i>Felis catus</i> (Cat)	Y		
1131.	24215 <i>Hydromys chrysogaster</i> (Water-rat, Rakali)		P4	
1132.	48588 <i>Isodon fusciventer</i> (Quenda, southwestern brown bandicoot)		P4	
1133.	24132 <i>Macropus fuliginosus</i> (Western Grey Kangaroo)			

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1134.	24051 <i>Megaptera novaeangliae</i> (Humpback Whale)		S	
1135.	24076 <i>Mesoplodon bowdoini</i> (Andrew's Beaked Whale)			
1136.	24223 <i>Mus musculus</i> (House Mouse)	Y		
1137.	24042 <i>Mustela putorius</i> (European Polecat, Ferret)	Y		
1138.	24210 <i>Neophoca cinerea</i> (Australian Sea-lion)		T	
1139.	48022 <i>Notamacropus irma</i> (Western Brush Wallaby)		P4	
1140.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
1141.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
1142.	34016 <i>Ovis aries</i> (Sheep)			
1143.	24154 <i>Perameles bougainville</i> subsp. <i>bougainville</i> (Western Barred Bandicoot, Marl)		T	
1144.	24155 <i>Perameles eremiana</i> (Desert Bandicoot, waliya)		X	
1145.	24156 <i>Petaurus breviceps</i> subsp. <i>ariel</i> (Sugar Glider)			
1146.	24142 <i>Petrogale lateralis</i> subsp. <i>lateralis</i> (Black-flanked Rock-wallaby, Black-footed Rock-wallaby)		T	
1147.	24073 <i>Physeter macrocephalus</i> (Sperm Whale)		T	
1148.	24230 <i>Pseudomys albocinereus</i> (Ash-grey Mouse)			
1149.	24243 <i>Rattus fuscipes</i> (Western Bush Rat)			
1150.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
1151.	24108 <i>Sminthopsis crassicaudata</i> (Fat-tailed Dunnart)			
1152.	24111 <i>Sminthopsis gilberti</i> (Gilbert's Dunnart)			
1153.	24207 <i>Tachyglossus aculeatus</i> (Short-beaked Echidna)			
1154.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
1155.	25521 <i>Trichosurus vulpecula</i> (Common Brushtail Possum)			
1156.	24157 <i>Trichosurus vulpecula</i> subsp. <i>arnhemensis</i> (northern brushtail possum (Kimberley))		T	
1157.	24158 <i>Trichosurus vulpecula</i> subsp. <i>vulpecula</i> (Common Brushtail Possum)			
1158.	24069 <i>Tursiops truncatus</i> (Bottlenose Dolphin)			
1159.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
1160.	24040 <i>Vulpes vulpes</i> (Red Fox)	Y		

### Monocotyledon

1161.	1208 <i>Acanthocarpus preissii</i>			
1162.	1505 <i>Agave americana</i> (Century Plant)	Y		
1163.	184 <i>Aira caryophylla</i> (Silvery Hairgrass)	Y		
1164.	185 <i>Aira cupaniana</i> (Silvery Hairgrass)	Y		
1165.	1056 <i>Alexgeorgea nitens</i>			
1166.	1374 <i>Allium ampeloprasum</i>	Y		
1167.	198 <i>Amphipogon laguroides</i>			
1168.	200 <i>Amphipogon turbinatus</i>			
1169.	1409 <i>Anigozanthos humilis</i> (Catspaw)			
1170.	11434 <i>Anigozanthos humilis</i> subsp. <i>humilis</i>			
1171.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
1172.	11261 <i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			
1173.	1264 <i>Arnocrinum preissii</i>			
1174.	226 <i>Arundo donax</i> (Giant Reed)	Y		
1175.	1201 <i>Asparagus officinalis</i> (Asparagus)	Y		
1176.	1364 <i>Asphodelus fistulosus</i> (Onion Weed)	Y		
1177.	17234 <i>Austrostipa compressa</i>			
1178.	17237 <i>Austrostipa elegantissima</i>			
1179.	17240 <i>Austrostipa flavescens</i>			
1180.	231 <i>Avellinia michelii</i>	Y		
1181.	233 <i>Avena barbata</i> (Bearded Oat)	Y		
1182.	740 <i>Baumea arthropphylla</i>			
1183.	741 <i>Baumea articulata</i> (Jointed Rush)			
1184.	743 <i>Baumea juncea</i> (Bare Twigrush)			
1185.	744 <i>Baumea laxa</i>			
1186.	745 <i>Baumea preissii</i>			
1187.	748 <i>Baumea vaginalis</i> (Sheath Twigrush)			
1188.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		
1189.	245 <i>Briza minor</i> (Shivery Grass)	Y		
1190.	247 <i>Bromus arenarius</i> (Sand Brome)			
1191.	249 <i>Bromus diandrus</i> (Great Brome)	Y		
1192.	250 <i>Bromus hordeaceus</i> (Soft Brome)	Y		
1193.	253 <i>Bromus rubens</i> (Red Brome)	Y		
1194.	12770 <i>Burchardia congesta</i>			
1195.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
1196.	15330 <i>Caladenia arenicola</i>			
1197.	11038 <i>Caladenia bicallata</i>			
1198.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
1199.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
1200.	15352 <i>Caladenia georgei</i>			
1201.	1595 <i>Caladenia hirta</i> (Sugar Candy Orchid)			

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1202.	1599 <i>Caladenia latifolia</i> (Pink Fairy Orchid)			
1203.	15358 <i>Caladenia longicauda</i> subsp. <i>albella</i>			
1204.	15360 <i>Caladenia longicauda</i> subsp. <i>borealis</i>			
1205.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
1206.	1605 <i>Caladenia marginata</i> (White Fairy Orchid)			
1207.	15377 <i>Caladenia reptans</i> subsp. <i>reptans</i>			
1208.	1213 <i>Calectasia cyanea</i> (Blue Tinsel Lily)		T	
1209.	19309 <i>Calectasia narragara</i>			
1210.	753 <i>Carex appressa</i> (Tall Sedge)			
1211.	755 <i>Carex fascicularis</i> (Tassel Sedge)			
1212.	43241 <i>Carex thecata</i>			
1213.	1162 <i>Cartonema philydroides</i>			
1214.	13685 <i>Catapodium rigidum</i> (Rigid Fescue)	Y		
1215.	760 <i>Caustis dioica</i>			
1216.	1121 <i>Centrolepis aristata</i> (Pointed Centrolepis)			
1217.	13122 <i>Centrolepis cephaliformis</i> subsp. <i>cephaloformis</i>			
1218.	1125 <i>Centrolepis drummondiana</i>			
1219.	1132 <i>Centrolepis mutica</i>			
1220.	1280 <i>Chamaescilla corymbosa</i> (Blue Squill)			
1221.	1418 <i>Conostylis aculeata</i> (Prickly Conostylis)			
1222.	11826 <i>Conostylis aculeata</i> subsp. <i>aculeata</i>			
1223.	11552 <i>Conostylis aculeata</i> subsp. <i>bromelioides</i>			
1224.	11513 <i>Conostylis aculeata</i> subsp. <i>cygnorum</i>			
1225.	1423 <i>Conostylis aurea</i> (Golden Conostylis)			
1226.	1425 <i>Conostylis bracteata</i>		P3	
1227.	1427 <i>Conostylis candicans</i> (Grey Cottonhead)			
1228.	12027 <i>Conostylis candicans</i> subsp. <i>calcicola</i>			
1229.	11438 <i>Conostylis candicans</i> subsp. <i>candicans</i>			
1230.	1436 <i>Conostylis juncea</i>			
1231.	1443 <i>Conostylis pauciflora</i> (Dawesville Conostylis)			
1232.	11388 <i>Conostylis pauciflora</i> subsp. <i>euryrhipis</i>		P4	
1233.	11657 <i>Conostylis pauciflora</i> subsp. <i>pauciflora</i>		P4	
1234.	1454 <i>Conostylis setigera</i> (Bristly Cottonhead)			
1235.	11597 <i>Conostylis setigera</i> subsp. <i>setigera</i>			
1236.	11543 <i>Conostylis teretifolia</i> subsp. <i>planescens</i>			
1237.	11870 <i>Conostylis teretifolia</i> subsp. <i>teretifolia</i>			
1238.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
1239.	11283 <i>Corynotheca micrantha</i> var. <i>micrantha</i>			
1240.	15114 <i>Cyanicula gemmata</i>			
1241.	283 <i>Cynodon dactylon</i> (Couch)	Y		
1242.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
1243.	810 <i>Cyperus rotundus</i> (Nut Grass)	Y		
1244.	816 <i>Cyperus tenuiflorus</i> (Scaly Sedge)	Y		
1245.	10916 <i>Cyrtostylis huegelii</i>			
1246.	10964 <i>Cyrtostylis robusta</i>			
1247.	1218 <i>Dasyogon bromeliifolius</i> (Pineapple Bush)			
1248.	17663 <i>Desmocladius asper</i>			
1249.	17691 <i>Desmocladius fasciculatus</i>			
1250.	16595 <i>Desmocladius flexuosus</i>			
1251.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
1252.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
1253.	306 <i>Dichelachne crinita</i> (Longhair Plumegrass)			
1254.	1287 <i>Dichopogon capillipes</i>			
1255.	19649 <i>Disa bracteata</i>	Y		
1256.	1635 <i>Diuris longifolia</i> (Common Donkey Orchid)			
1257.	12939 <i>Diuris magnifica</i>			
1258.	1639 <i>Drakaea elastica</i> (Glossy-leaved Hammer Orchid)		T	
1259.	1640 <i>Drakaea glyptodon</i> (King-in-his-carriage)			
1260.	347 <i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
1261.	349 <i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
1262.	1643 <i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
1263.	1644 <i>Elythranthera emarginata</i> (Pink Enamel Orchid)			
1264.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
1265.	1646 <i>Eriochilus dilatatus</i> (White Bunny Orchid)			
1266.	1515 <i>Ferraria crispa</i> (Black Flag)	Y		
1267.	20216 <i>Ficinia nodosa</i> (Knotted Club Rush)			
1268.	907 <i>Gahnia trifida</i> (Coast Saw-sedge)			
1269.	1520 <i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
1270.	1468 <i>Haemodorum laxum</i>			
1271.	1470 <i>Haemodorum paniculatum</i> (Mardja)			



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1272.	1475 <i>Haemodorum spicatum</i> (Mardja)			
1273.	1293 <i>Hensmania turbinata</i>			
1274.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
1275.	445 <i>Holcus setiger</i> (Annual Fog)	Y		
1276.	1070 <i>Hypolaena exsulca</i>			
1277.	17841 <i>Hypolaena pubescens</i>			
1278.	910 <i>Isolepis cernua</i> (Nodding Club-rush)			
1279.	20200 <i>Isolepis cernua</i> var. <i>setiformis</i>			
1280.	917 <i>Isolepis marginata</i> (Coarse Club-rush)			
1281.	1188 <i>Juncus pallidus</i> (Pale Rush)			
1282.	16091 <i>Lachenalia bulbifera</i>	Y		
1283.	20019 <i>Lachnagrostis filiformis</i>			
1284.	19955 <i>Lachnagrostis plebeia</i>			
1285.	467 <i>Lagurus ovatus</i> (Hare's Tail Grass)	Y		
1286.	28342 <i>Landoltia punctata</i> (Thin Duckweed)			
1287.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
1288.	1308 <i>Laxmannia sessiliflora</i> (Nodding Lily)			
1289.	11464 <i>Laxmannia sessiliflora</i> subsp. <i>australis</i>			
1290.	1051 <i>Lemna disperma</i> (Duckweed)			
1291.	1075 <i>Lepidobolus preissianus</i>			
1292.	18074 <i>Lepidobolus preissianus</i> subsp. <i>preissianus</i>			
1293.	925 <i>Lepidosperma angustatum</i>			
1294.	42742 <i>Lepidosperma calcicola</i>			
1295.	932 <i>Lepidosperma effusum</i> (Spreading Sword-sedge)			
1296.	933 <i>Lepidosperma gladiatum</i> (Coast Sword-sedge, Kerbin)			
1297.	936 <i>Lepidosperma leptostachyum</i>			
1298.	937 <i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
1299.	940 <i>Lepidosperma pubisquameum</i>			
1300.	944 <i>Lepidosperma scabrum</i>			
1301.	945 <i>Lepidosperma squamatum</i>			
1302.	946 <i>Lepidosperma striatum</i>			
1303.	1653 <i>Leporella fimbriata</i> (Hare Orchid)			
1304.	15418 <i>Leptoceras menziesii</i>			
1305.	1090 <i>Lepyrodia muirii</i>			
1306.	476 <i>Lolium perenne</i> (Perennial Ryegrass)	Y		
1307.	478 <i>Lolium rigidum</i> (Wimmera Ryegrass)	Y		
1308.	1223 <i>Lomandra caespitosa</i> (Tufted Mat Rush)			
1309.	1228 <i>Lomandra hermaphrodita</i>			
1310.	1231 <i>Lomandra maritima</i>			
1311.	14542 <i>Lomandra micrantha</i> subsp. <i>micrantha</i>			
1312.	1234 <i>Lomandra nigricans</i>			
1313.	1239 <i>Lomandra preissii</i>			
1314.	1243 <i>Lomandra sericea</i> (Silky Mat Rush)			
1315.	1246 <i>Lomandra suaveolens</i>			
1316.	1097 <i>Lyginia barbata</i>			
1317.	18049 <i>Lyginia imberbis</i>			
1318.	954 <i>Mesomelaena preissii</i>			
1319.	955 <i>Mesomelaena pseudostygia</i>			
1320.	485 <i>Microlaena stipoides</i> (Weeping Grass)			
1321.	34158 <i>Microtis alboviridis</i>			
1322.	15419 <i>Microtis media</i> subsp. <i>media</i>			
1323.	19179 <i>Moraea flaccida</i> (One-leaf Cape Tulip)	Y		
1324.	1537 <i>Orthrosanthus laxus</i> (Morning Iris)			
1325.	11749 <i>Orthrosanthus laxus</i> var. <i>laxus</i> (Morning Iris)			
1326.	1667 <i>Paracaleana nigrata</i> (Flying Duck Orchid)			
1327.	532 <i>Paspalum urvillei</i> (Vasey Grass)	Y		
1328.	1550 <i>Patersonia occidentalis</i> (Purple Flag, Koma)			
1329.	30472 <i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
1330.	1552 <i>Patersonia rudis</i> (Hairy Flag)			
1331.	40423 <i>Pentameris airoides</i> (False Hairgrass)	Y		
1332.	20460 <i>Pheladenia deformis</i>			
1333.	1478 <i>Phlebocarya ciliata</i>			
1334.	573 <i>Poa drummondiana</i> (Knotted Poa)			
1335.	578 <i>Poa porphyroclados</i>			
1336.	582 <i>Polypogon monspeliensis</i> (Annual Beardgrass)	Y		
1337.	1668 <i>Prasophyllum brownii</i>			
1338.	15425 <i>Prasophyllum calcicola</i>			
1339.	1672 <i>Prasophyllum fimbria</i> (Fringed Leek Orchid)			
1340.	1680 <i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
1341.	<i>Pterostylis</i> aff. <i>nana</i>			

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
1342.	15426 <i>Pterostylis aspera</i>			
1343.	17267 <i>Pterostylis brevisepala</i>			
1344.	44723 <i>Pterostylis glebosa</i>			
1345.	48674 <i>Pterostylis orbiculata</i>			
1346.	1693 <i>Pterostylis recurva</i> (Jug Orchid)			
1347.	12217 <i>Pterostylis sanguinea</i>			
1348.	<i>Pterostylis</i> sp.			
1349.	18645 <i>Pterostylis</i> sp. limestone (B.J. Keighery & G.J. Keighery 65)			
1350.	1698 <i>Pterostylis vittata</i> (Banded Greenhood)			
1351.	16367 <i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
1352.	1556 <i>Romulea rosea</i> (Guildford Grass)	Y		
1353.	11544 <i>Romulea rosea</i> var. <i>australis</i> (Guildford Grass)	Y		
1354.	10970 <i>Rostraria cristata</i>	Y		
1355.	40426 <i>Rytidosperra occidentale</i>			
1356.	48356 <i>Schoenoplectus tabernaemontani</i>			
1357.	978 <i>Schoenus brevisetis</i>			
1358.	979 <i>Schoenus caespitius</i>			
1359.	982 <i>Schoenus clandestinus</i>			
1360.	984 <i>Schoenus curvifolius</i>			
1361.	985 <i>Schoenus discifer</i>			
1362.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
1363.	997 <i>Schoenus lanatus</i> (Woolly Bog-rush)			
1364.	998 <i>Schoenus latitans</i>			
1365.	1002 <i>Schoenus nanus</i> (Tiny Bog Rush)			
1366.	1006 <i>Schoenus odontocarpus</i>			
1367.	1007 <i>Schoenus pedicellatus</i>			
1368.	1018 <i>Schoenus subfascicularis</i>			
1369.	1026 <i>Schoenus unispiculatus</i>			
1370.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
1371.	1558 <i>Sparaxis bulbifera</i>	Y		
1372.	625 <i>Spinifex longifolius</i> (Beach Spinifex)			
1373.	1260 <i>Stypantra glauca</i> (Blind Grass)			
1374.	1036 <i>Tetralia octandra</i>			
1375.	35581 <i>Tetralia</i> sp. <i>Chandala</i> (G.J. Keighery 17055)		P2	
1376.	10856 <i>Thelymitra benthamiana</i> (Leopard Orchid)			
1377.	1705 <i>Thelymitra crinita</i> (Blue Lady Orchid)			
1378.	1708 <i>Thelymitra fuscolutea</i> (Chestnut Sun Orchid)			
1379.	1319 <i>Thysanotus arenarius</i>			
1380.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
1381.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
1382.	1343 <i>Thysanotus patersonii</i>			
1383.	46055 <i>Thysanotus</i> sp. Coastal plain (N.H. Brittan 66/63)			
1384.	1351 <i>Thysanotus sparteus</i>			
1385.	1357 <i>Thysanotus thyrsoideus</i>			
1386.	1358 <i>Thysanotus triandrus</i>			
1387.	1368 <i>Trachyandra divaricata</i>	Y		
1388.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
1389.	1363 <i>Tricoryne tenella</i>			
1390.	43207 <i>Tricostularia exsul</i>			
1391.	1038 <i>Tricostularia neesii</i>			
1392.	33276 <i>Triglochin isingiana</i>			
1393.	18587 <i>Triglochin nana</i>			
1394.	152 <i>Triglochin trichophora</i>			
1395.	708 <i>Triticum aestivum</i> (Wheat)	Y		
1396.	99 <i>Typha orientalis</i> (Bulrush, Cumbungi)			
1397.	<i>Urochilus vittatus</i>			Y
1398.	716 <i>Urochloa mutica</i>	Y		
1399.	722 <i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
1400.	724 <i>Vulpia myuros</i> (Rat's Tail Fescue)	Y		
1401.	33101 <i>Vulpia myuros</i> forma <i>myuros</i>	Y		
1402.	17910 <i>Washingtonia filifera</i>	Y		
1403.	12072 <i>Wurmbea dioica</i> subsp. <i>alba</i>			
1404.	1398 <i>Wurmbea monantha</i>			
1405.	1401 <i>Wurmbea pygmaea</i>			
1406.	1256 <i>Xanthorrhoea preissii</i> (Grass tree, Palga)			

**Pteridophyte (Fern)**

1407.	41651 <i>Pteridium esculentum</i> subsp. <i>esculentum</i>			
1408.	45 <i>Pteris vittata</i> (Chinese Brake)			

**Reptile**

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
1409.	42368 <i>Acritoscincus trilineatus</i> (Western Three-lined Skink)			
1410.	44629 <i>Anilius australis</i>			
1411.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
1412.	24991 <i>Aprasia repens</i> (Sand-plain Worm-lizard)			
1413.	42380 <i>Brachyuropis fasciolatus</i> subsp. <i>fasciolatus</i> (Narrow-banded Shovel-nosed Snake)			
1414.	42381 <i>Brachyuropis semifasciatus</i> (Southern Shovel-nosed Snake)			
1415.	25335 <i>Caretta caretta</i> (Loggerhead Turtle)		T	
1416.	43380 <i>Chelodina colliei</i> (South-western Snake-necked Turtle)			
1417.	25336 <i>Chelonia mydas</i> (Green Turtle)		T	
1418.	24980 <i>Christinus marmoratus</i> (Marbled Gecko)			
1419.	24918 <i>Crenadactylus ocellatus</i> subsp. <i>ocellatus</i> (Clawless Gecko)			
1420.	30893 <i>Cryptoblepharus buchananii</i>			
1421.	25020 <i>Cryptoblepharus plagiocephalus</i>			
1422.	30899 <i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
1423.	25027 <i>Ctenotus australis</i>			
1424.	25039 <i>Ctenotus fallens</i>			
1425.	25087 <i>Cyclodomorphus celatus</i> (Western Slender Blue-tongue)			
1426.	30906 <i>Delma concinna</i> (Javelin Legless Lizard)			
1427.	30905 <i>Delma concinna</i> subsp. <i>concinna</i> (Javelin Legless Lizard)			
1428.	25766 <i>Delma fraseri</i> (Fraser's Legless Lizard)			
1429.	24999 <i>Delma grayii</i>			
1430.	25468 <i>Demansia psammophis</i> (Yellow-faced Whipsnake)			
1431.	25296 <i>Demansia psammophis</i> subsp. <i>reticulata</i> (Yellow-faced Whipsnake)			
1432.	25346 <i>Dermochelys coriacea</i> (Leatherback Turtle)		T	
1433.	24939 <i>Diplodactylus polyophthalmus</i>			
1434.	25251 <i>Echiopsis curta</i> (Bardick)			
1435.	25096 <i>Egernia kingii</i> (King's Skink)			
1436.	25100 <i>Egernia napoleonis</i>			
1437.	25119 <i>Hemiergis quadrilineata</i>			
1438.	43384 <i>Hydrophis platurus</i> (Yellow-bellied Seasnake)			
1439.	25128 <i>Lerista christinae</i>			
1440.	25131 <i>Lerista distinguenda</i>			
1441.	25133 <i>Lerista elegans</i>			
1442.	25148 <i>Lerista lineopunctulata</i>			
1443.	25154 <i>Lerista microtis</i> subsp. <i>microtis</i>			
1444.	25165 <i>Lerista praepedita</i>			
1445.	25005 <i>Lialis burtonis</i>			
1446.	42414 <i>Lucasium alboguttatum</i>			
1447.	25184 <i>Menetia greyii</i>			
1448.	25494 <i>Morelia spilota</i> (Carpet Python)			
1449.	25240 <i>Morelia spilota</i> subsp. <i>imbricata</i> (Carpet Python)			
1450.	25191 <i>Morethia lineocellata</i>			
1451.	25192 <i>Morethia obscura</i>			
1452.	25248 <i>Neelaps bimaculatus</i> (Black-naped Snake)			
1453.	25249 <i>Neelaps calonotos</i> (Black-striped Snake, black-striped burrowing snake)		P3	
1454.	25252 <i>Notechis scutatus</i> (Tiger Snake)			
1455.	25253 <i>Parasuta gouldii</i>			
1456.	25007 <i>Pletholax gracilis</i> subsp. <i>gracilis</i> (Keeled Legless Lizard)			
1457.	25510 <i>Pogona minor</i> (Dwarf Bearded Dragon)			
1458.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
1459.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
1460.	25511 <i>Pseudonaja affinis</i> (Dugite)			
1461.	25259 <i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			
1462.	25258 <i>Pseudonaja affinis</i> subsp. <i>exilis</i> (Rottnest Island Dugite)		P4	
1463.	25008 <i>Pygopus lepidopodus</i> (Common Scaly Foot)			
1464.	25266 <i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
1465.	25518 <i>Strophurus spinigerus</i>			
1466.	24943 <i>Strophurus spinigerus</i> subsp. <i>inornatus</i>			
1467.	24942 <i>Strophurus spinigerus</i> subsp. <i>spinigerus</i>			
1468.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
1469.	25519 <i>Tiliqua rugosa</i>			
1470.	25204 <i>Tiliqua rugosa</i> subsp. <i>aspera</i>			
1471.	25207 <i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
1472.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1473.	25526 <i>Varanus tristis</i> (Racehorse Monitor)			

**Slime Mould**

1474.	39061 <i>Physarum bitectum</i>			
1475.	39063 <i>Physarum cinereum</i>			
1476.	39079 <i>Physarum viride</i>			
1477.	39094 <i>Trichia affinis</i>			

Name ID Species Name

Naturalised

Conservation Code

<sup>1</sup>Endemic To Query Area

**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

<sup>1</sup> 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 2: Protected Matter 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: 19/08/20 15:33:24

[Summary](#)

[Details](#)

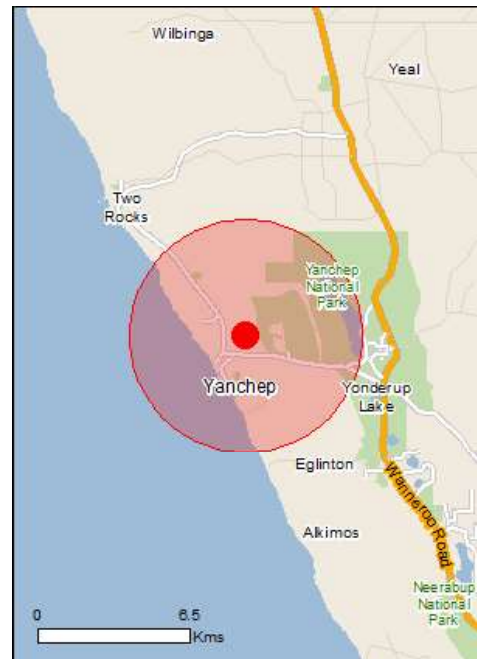
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



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[Coordinates](#)

Buffer: 5.0Km



# 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](#).

<a href="#">World Heritage Properties:</a>	None
<a href="#">National Heritage Places:</a>	None
<a href="#">Wetlands of International Importance:</a>	None
<a href="#">Great Barrier Reef Marine Park:</a>	None
<a href="#">Commonwealth Marine Area:</a>	None
<a href="#">Listed Threatened Ecological Communities:</a>	4
<a href="#">Listed Threatened Species:</a>	42
<a href="#">Listed Migratory Species:</a>	42

## 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. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

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.

<a href="#">Commonwealth Land:</a>	1
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	69
<a href="#">Whales and Other Cetaceans:</a>	12
<a href="#">Critical Habitats:</a>	None
<a href="#">Commonwealth Reserves Terrestrial:</a>	None
<a href="#">Australian Marine Parks:</a>	None

## Extra Information

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

<a href="#">State and Territory Reserves:</a>	1
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Invasive Species:</a>	33
<a href="#">Nationally Important Wetlands:</a>	1
<a href="#">Key Ecological Features (Marine)</a>	None

# Details

## Matters of National Environmental Significance

### Listed Threatened Ecological Communities [ [Resource Information](#) ]

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.

Name	Status	Type of Presence
<a href="#">Aquatic Root Mat Community in Caves of the Swan Coastal Plain</a>	Endangered	Community known to occur within area
<a href="#">Banksia Woodlands of the Swan Coastal Plain ecological community</a>	Endangered	Community likely to occur within area
<a href="#">Sedgeland in Holocene dune swales of the southern Swan Coastal Plain</a>	Endangered	Community known to occur within area
<a href="#">Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community</a>	Critically Endangered	Community likely to occur within area

### Listed Threatened Species [ [Resource Information](#) ]

Name	Status	Type of Presence
<b>Birds</b>		
<a href="#">Anous tenuirostris melanops</a> Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat may occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Calyptorhynchus latirostris</a> Carnaby's Cockatoo, Short-billed Black-Cockatoo [59523]	Endangered	Species or species habitat known to occur within area
<a href="#">Diomedea amsterdamensis</a> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<a href="#">Diomedea epomophora</a> Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea sanfordi</a> Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Halobaena caerulea</a> Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area



Name	Status	Type of Presence
<a href="#">Leipoa ocellata</a> Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Limosa lapponica baueri</a> Bar-tailed Godwit ( <i>baueri</i> ), Western Alaskan Bar-tailed Godwit [86380]	Vulnerable	Species or species habitat may occur within area
<a href="#">Limosa lapponica menzbieri</a> Northern Siberian Bar-tailed Godwit, Bar-tailed Godwit ( <i>menzbieri</i> ) [86432]	Critically Endangered	Species or species habitat may occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
<a href="#">Pachyptila turtur subantarctica</a> Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Phoebastria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
<a href="#">Pterodroma mollis</a> Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
<a href="#">Rostratula australis</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
<a href="#">Sternula nereis nereis</a> Australian Fairy Tern [82950]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<b>Insects</b>		
<a href="#">Hesperocolletes douglasi</a> Douglas' Broad-headed Bee, Rottnest Bee [66734]	Critically Endangered	Species or species habitat may occur within area
<b>Mammals</b>		
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat likely to occur

Name	Status	Type of Presence
<a href="#">Dasyurus geoffroii</a> Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Breeding known to occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Neophoca cinerea</a> Australian Sea-lion, Australian Sea Lion [22]	Vulnerable	Species or species habitat known to occur within area

#### Plants

<a href="#">Diuris micrantha</a> Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Drakaea elastica</a> Glossy-leafed Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat likely to occur within area
<a href="#">Eleocharis keigheryi</a> Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat may occur within area
<a href="#">Eucalyptus argutifolia</a> Yanchep Mallee, Wabbling Hill Mallee [24263]	Vulnerable	Species or species habitat known to occur within area

#### Reptiles

<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area

#### Sharks

<a href="#">Carcharias taurus (west coast population)</a> Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Carcharodon carcharias</a> White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may 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
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#### Migratory Marine Birds

<a href="#">Anous stolidus</a> Common Noddy [825]		Species or species habitat may occur within area
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Name	Threatened	Type of Presence
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Ardenna carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea amsterdamensis</a> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<a href="#">Diomedea epomophora</a> Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea sanfordi</a> Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Hydroprogne caspia</a> Caspian Tern [808]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Onychoprion anaethetus</a> Bridled Tern [82845]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Phoebastria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sterna dougallii</a> Roseate Tern [817]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<b>Migratory Marine Species</b>		
<a href="#">Balaena glacialis australis</a> Southern Right Whale [75529]	Endangered*	Breeding known to occur within area

Name	Threatened	Type of Presence
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
<a href="#">Caperea marginata</a> Pygmy Right Whale [39]		Species or species habitat may occur within area
<a href="#">Carcharodon carcharias</a> White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Lamna nasus</a> Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area
<a href="#">Manta alfredi</a> Reef Manta Ray, Coastal Manta Ray, Inshore Manta Ray, Prince Alfred's Ray, Resident Manta Ray [84994]		Species or species habitat may occur within area
<a href="#">Manta birostris</a> Giant Manta Ray, Chevron Manta Ray, Pacific Manta Ray, Pelagic Manta Ray, Oceanic Manta Ray [84995]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
<b>Migratory Terrestrial Species</b>		
<a href="#">Motacilla cinerea</a> Grey Wagtail [642]		Species or species habitat may occur within area
<b>Migratory Wetlands Species</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat likely to occur within area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat may occur within

Name	Threatened	Type of Presence area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat may occur within area
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		Species or species habitat may occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Species or species habitat known to 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
<b>Birds</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat likely to occur within area
<a href="#">Anous stolidus</a> Common Noddy [825]		Species or species habitat may occur within area
<a href="#">Anous tenuirostris melanops</a> Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may occur within area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Ardea alba</a> Great Egret, White Egret [59541]		Breeding known to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Species or species habitat may occur within area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat may occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species

Name	Threatened	Type of Presence
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		habitat likely to occur within area  Species or species habitat may occur within area
<a href="#">Catharacta skua</a> Great Skua [59472]		Species or species habitat may occur within area
<a href="#">Diomedea amsterdamensis</a> Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<a href="#">Diomedea epomophora</a> Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea sanfordi</a> Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Haliaeetus leucogaster</a> White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
<a href="#">Halobaena caerulea</a> Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
<a href="#">Larus pacificus</a> Pacific Gull [811]		Foraging, feeding or related behaviour may occur within area
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		Species or species habitat may occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<a href="#">Motacilla cinerea</a> Grey Wagtail [642]		Species or species habitat may occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
<a href="#">Pachyptila turtur</a> Fairy Prion [1066]		Species or species habitat known to occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Species or species habitat known to occur within area
<a href="#">Phoebastria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within

Name	Threatened	Type of Presence area
<a href="#">Pterodroma mollis</a> Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
<a href="#">Puffinus assimilis</a> Little Shearwater [59363]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Puffinus carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Rostratula benghalensis (sensu lato)</a> Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
<a href="#">Sterna anaethetus</a> Bridled Tern [814]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Sterna caspia</a> Caspian Tern [59467]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Sterna dougallii</a> Roseate Tern [817]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thinornis rubricollis</a> Hooded Plover [59510]		Species or species habitat likely to occur within area
<b>Fish</b>		
<a href="#">Acentronura australe</a> Southern Pygmy Pipehorse [66185]		Species or species habitat may occur within area
<a href="#">Campichthys galei</a> Gale's Pipefish [66191]		Species or species habitat may occur within area
<a href="#">Choeroichthys suillus</a> Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
<a href="#">Halicampus brocki</a> Brock's Pipefish [66219]		Species or species habitat may occur within area
<a href="#">Hippocampus angustus</a> Western Spiny Seahorse, Narrow-bellied Seahorse [66234]		Species or species habitat may occur within

Name	Threatened	Type of Presence
<a href="#">Hippocampus breviceps</a> Short-head Seahorse, Short-snouted Seahorse [66235]		area Species or species habitat may occur within area
<a href="#">Hippocampus subelongatus</a> West Australian Seahorse [66722]		Species or species habitat may occur within area
<a href="#">Lissocampus fatiloquus</a> Prophet's Pipefish [66250]		Species or species habitat may occur within area
<a href="#">Maroubra perserrata</a> Sawtooth Pipefish [66252]		Species or species habitat may occur within area
<a href="#">Mitotichthys meraculus</a> Western Crested Pipefish [66259]		Species or species habitat may occur within area
<a href="#">Nannocampus subosseus</a> Bonyhead Pipefish, Bony-headed Pipefish [66264]		Species or species habitat may occur within area
<a href="#">Phycodurus eques</a> Leafy Seadragon [66267]		Species or species habitat may occur within area
<a href="#">Phyllopteryx taeniolatus</a> Common Seadragon, Weedy Seadragon [66268]		Species or species habitat may occur within area
<a href="#">Pugnaso curtirostris</a> Pugnose Pipefish, Pug-nosed Pipefish [66269]		Species or species habitat may occur within area
<a href="#">Solegnathus lettiensis</a> Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
<a href="#">Stigmatopora argus</a> Spotted Pipefish, Gulf Pipefish, Peacock Pipefish [66276]		Species or species habitat may occur within area
<a href="#">Stigmatopora nigra</a> Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area
<a href="#">Syngnathoides biaculeatus</a> Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
<a href="#">Urocampus carinirostris</a> Hairy Pipefish [66282]		Species or species habitat may occur within area
<a href="#">Vanacampus margaritifer</a> Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area
<b>Mammals</b>		
<a href="#">Arctocephalus forsteri</a> Long-nosed Fur-seal, New Zealand Fur-seal [20]		Species or species habitat may occur within area
<a href="#">Neophoca cinerea</a> Australian Sea-lion, Australian Sea Lion [22]	Vulnerable	Species or species habitat known to occur within area
<b>Reptiles</b>		
<a href="#">Aipysurus pooleorum</a> Shark Bay Seasnake [66061]		Species or species



Name	Threatened	Type of Presence
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	habitat may occur within area Foraging, feeding or related behaviour known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Disteira kingii</a> Spectacled Seasnake [1123]		Species or species habitat may occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Pelamis platurus</a> Yellow-bellied Seasnake [1091]		Species or species habitat may occur within area

## Whales and other Cetaceans [ Resource Information ]

Name	Status	Type of Presence
<b>Mammals</b>		
<a href="#">Balaenoptera acutorostrata</a> Minke Whale [33]		Species or species habitat may occur within area
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
<a href="#">Caperea marginata</a> Pygmy Right Whale [39]		Species or species habitat may occur within area
<a href="#">Delphinus delphis</a> Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Breeding known to occur within area
<a href="#">Grampus griseus</a> Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Stenella attenuata</a> Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
<a href="#">Tursiops aduncus</a> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
<a href="#">Tursiops truncatus s. str.</a> Bottlenose Dolphin [68417]		Species or species habitat may occur within area

## Extra Information

### State and Territory Reserves [\[ Resource Information \]](#)

Name	State
Yanchep	WA

### 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
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#### Birds

Acridotheres tristis Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
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Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
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Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
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Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
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Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
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Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
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Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
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Streptopelia senegalensis Laughing Turtle-dove, Laughing Dove [781]		Species or species habitat likely to occur within area
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Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
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#### Mammals

Bos taurus Domestic Cattle [16]		Species or species
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Name	Status	Type of Presence
Canis lupus familiaris Domestic Dog [82654]		habitat likely to occur within area  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 pennantii 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
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
<b>Plants</b>		
Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]		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
Olea europaea Olive, Common Olive [9160]		Species or species habitat may occur within area

Name	Status	Type of Presence
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]		Species or species habitat may occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		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 Sterile Pussy Willow [68497]		Species or species 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
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#### Nationally Important Wetlands

[ Resource Information ]

Name	State
<a href="#">Loch McNess System</a>	WA

# 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 and National Heritage properties, Wetlands of International and National 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.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

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.

## Coordinates

-31.54064 115.63664

# 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:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian 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, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- 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.

## Appendix 3: Conservation Codes

### Western Australia

Conservation Code	Name	Description
T	Threatened	Flora or fauna that is rare or likely to become extinct, ranked according to their level of threat using IUCN Red List criteria (Schedules 1-3 of the Wildlife Conservation (Specially Protected Fauna) Notice or the Wildlife Conservation (Rare Flora) Notice)
CR	Critically endangered	Species considered to be facing an extremely high risk of extinction within the wild in the immediate future
EN	Endangered	Species considered to be facing a very high risk of extinction in the wild in the near future
VU	Vulnerable	Species considered to be facing a high risk of extinction in the wild in the medium-term future
EX	Extinct Species	Species where 'there is no reasonable doubt that the last member of the species has died (Schedule 4 of the Wildlife Conservation (Specially Protected Fauna) Notice or the Wildlife Conservation (Rare Flora) Notice)
EW	Extinct in the Wild	Species that are known to only survive in cultivation, in captivity, or as a naturalised population well outside its past range; and it has not been recorded in its known or expected habitat at appropriate seasons anywhere in its past range, despite surveys over a timeframe appropriate to its life cycle and form
MI	Migratory Species	Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth (Schedule 5 of the Wildlife Conservation (Specially Protected Fauna) Notice)
CD	Conservation Dependent	Species of special conservation interest (conservation dependent fauna), being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened (Schedule 6 of the Wildlife Conservation (Specially Protected Fauna) Notice)
OS	Specially Protected	Fauna otherwise in need of special protection to ensure their conservation (Schedule 7 of the Wildlife Conservation (Specially Protected Fauna) Notice)
P	Priority Species	Possibly threatened species that do not meet survey criteria, or are otherwise data deficient, are added to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of

Conservation Code	Name	Description
		conservation status so that consideration can be given to their declaration as threatened fauna or flora. Species that are adequately known, are rare but not threatened, or meet criteria for near threatened, or that have been recently removed from the threatened species or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring.
P1	Priority One	Poorly known species – Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either very small or on lands not managed for conservation, such as road verges, urban areas, farmland, active mineral lease and under threat of habitat destruction or degradation.
2	Priority Two	Poorly known species – Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, such as national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves and similar.
3	Priority Three	Poorly known species – Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat
4	Priority Four	Rare or near threatened and other species in need of monitoring.

(Source: Department of Biodiversity, Conservation and Attractions, 2020a)

## Commonwealth

Category	Description
<b>Critically Endangered</b>	Species facing an extremely high risk of extinction in the wild in the immediate future
<b>Endangered</b>	Species facing a very high risk of extinction in the wild in the near future
<b>Vulnerable</b>	Species facing a high risk of extinction in the wild in the medium term

(Source: Department of Agriculture Water and the Environment, 2020a)



## Appendix 4: Flora Species List

A complete comprehensive flora list is provided in the table below. \*Denotes introduced species (weeds).  
 Species are listed in alphabetical order by species name.

Family	Species	Common Name	Growth Form
Asteraceae	* <i>Arctotheca calendula</i>	Cape Weed	Herb
Brassicaceae	* <i>Brassica tournefortii</i>	Mediterranean Turnip	Herb
Casuarinaceae	* <i>Casuarina glauca</i>	Swamp Sheoak	Tree
Poaceae	* <i>Cenchrus clandestinus</i>	Kikuyu Grass	Grass/Herb
Myrtaceae	* <i>Chamelaucium uncinatum</i>	Geraldton Wax	Shrub
Asteraceae	* <i>Conyza bonariensis</i>	Flaxleaf Fleabane	Herb
Poaceae	* <i>Ehrharta calycina</i>	Perennial Veldt Grass	Grass/herb
Myrtaceae	* <i>Eucalyptus sp.</i>		Tree
Euphorbiaceae	* <i>Euphorbia terracina</i>	Geraldton Carnation Weed	Herb
Asteraceae	* <i>Lactuca serriola</i>	Prickly Lettuce	Herb
Poaceae	* <i>Lagurus ovatus</i>	Hare's Tail Grass	Grass/Herb
Fabaceae	* <i>Lupinus angustifolius</i>	Narrow Lupin	Herb
Fabaceae	* <i>Lupinus cosentinii</i>	Blue Lupin	Herb
Fabaceae	* <i>Medicago polymorpha</i>	Burr Medic	Herb
Fabaceae	* <i>Melilotus indicus</i>		Herb
Geraniaceae	* <i>Pelargonium capitatum</i>	Rose Pelargonium	Herb
Asteraceae	* <i>Solanum nigrum</i>	Blackberry Night Shade	Herb
Asteraceae	* <i>Sonchus oleraceus</i>	Common Sowthistle	Herb
Asphodelaceae	* <i>Trachyandra divaricata</i>	Onion weed	Herb
Fabaceae	* <i>Trifolium arvense</i>	Hare's-foot Clover	Herb
Fabaceae	* <i>Vicia sativa</i>	Common Vetch	Herb
Fabaceae	<i>Acacia cyclops</i>	Coastal Wattle	Shrub
Fabaceae	<i>Acacia lasiocarpa</i>	Panjang	Small shrub
Fabaceae	<i>Acacia saligna</i>	Orange Wattle	Shrub
Proteaceae	<i>Adenanthos cygnorum</i>	Common Woollybush	Shrub
Myrtaceae	<i>Agonis flexuosa</i>	Peppermint Tree	Tree
Haemodoraceae	<i>Anigozanthos manglesii</i>	Mangle's Kangaroo Paw	Herb

Chenopodiaceae	<i>Atriplex isatidea</i>	Grey Saltbush	Shrub
Proteaceae	<i>Banksia nivea</i>	Honeypot Dryandra	Small shrub
Proteaceae	<i>Banksia prionotes</i>	Acorn Banksia	Tree
Proteaceae	<i>Banksia sessilis</i>	Parrot Bush	Shrub
Myrtaceae	<i>Callistemon phoeniceus</i>	Lesser Bottlebrush	Shrub
Myrtaceae	<i>Calothamnus lateralis</i>		Shrub
Myrtaceae	<i>Calothamnus quadrifidus</i>	One-sided Bottlebrush	Shrub
Aizoaceae	<i>Carpobrotus virescens</i>	Coastal Pigface	Herb
Haemodoraceae	<i>Conostylis aculeata</i>	Prickly Conostylis	Herb
Haemodoraceae	<i>Conostylis pauciflora</i>	Dawesville Conostylis	Herb
Myrtaceae	<i>Corymbia calophylla</i>	Marri	Tree
Sapindaceae	<i>Dodonaea hackettiana</i>	Hackett's Hopbush (P4)	Shrub
Scrophulariaceae	<i>Eremophila glabra</i>	Tar Bush	Small shrub
Myrtaceae	<i>Eucalyptus gomphocephala</i>	Tuart	Tree
Myrtaceae	<i>Eucalyptus marginata</i>	Jarrah	Tree
Santalaceae	<i>Exocarpos sparteus</i>	Broom Ballart	Shrub
Cyperaceae	<i>Ficinia nodosa</i>	Knotted Club Rush	Sedge
Frankeniaceae	<i>Frankenia pauciflora</i>	Seaheath	Small shrub
Proteaceae	<i>Grevillea crithmifolia</i>		Small shrub
Proteaceae	<i>Grevillea olivacea</i>	Olive Grevillea	Shrub
Proteaceae	<i>Grevillea thelemanniana</i>	Spider Net Grevillea (T)	Shrub
Malvaceae	<i>Guichenotia ledifolia</i>	Large-flowered Guichenotia	Small shrub
Proteaceae	<i>Hakea laurina</i>	Pincushion Hakea	Shrub
Proteaceae	<i>Hakea petiolaris</i>	Sea Urchin Hakea	Shrub
Proteaceae	<i>Hakea prostrata</i>	Harsh Hakea	Shrub
Proteaceae	<i>Hakea trifurcata</i>	Two-leaf Hakea	Shrub
Fabaceae	<i>Hovea pungens</i>	Devil's Pins	Small shrub
Fabaceae	<i>Jacksonia calcicola</i>		Small shrub
Fabaceae	<i>Kennedia prostrata</i>	Scarlet Runner	Creeper
Cyperaceae	<i>Lepidosperma gladiatum</i>	Coast Sword-sedge	Sedge
Asteraceae	<i>Leucophyta brownii</i>		Small shrub
Myrtaceae	<i>Melaleuca raphiophylla</i>	Swamp Paperbark	Tree

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Myrtaceae	<i>Melaleuca teretifolia</i>	Banbar	Shrub
Scrophulariaceae	<i>Myoporum insulare</i>	Blueberry Tree	Shrub
Asteraceae	<i>Olearia axillaris</i>	Coastal Daisybush	Shrub
Myrtaceae	<i>Regelia ciliata</i>		Shrub
Goodeniaceae	<i>Scaevola crassifolia</i>	Thick-leaved Fan-flower	Shrub
Goodeniaceae	<i>Scaevola nitida</i>	Shining Fanflower	Shrub
Poaceae	<i>Spinifex longifolius</i>	Beach Spinifex	Grass/herb
Rhamnaceae	<i>Spyridium globulosum</i>	Basket Bush	Shrub
Lamiaceae	<i>Westringia dampieri</i>		Small shrub
Xanthorrhoeaceae	<i>Xanthorrhoea preissii</i>	Grass Tree	Shrub

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## Appendix 5: Quadrat Data

**Quadrat No.:** 1 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan Crossley,  
 Sharon Hynes  
**Easting:** 370592  
**Northing:** 6509460  
**Location:** Splendid Park  
**Topography:** Drainage Swale  
**Aspect:** North West  
**Slope:** 1-3%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** 0%  
**Bare Ground:** 40%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015 to create the Park



**Note:** *Ficinia nodosa* Open Sedgeland

\*Denotes introduced species (weeds). Species are listed in alphabetical order by species name.

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
* <i>Brassica tournefortii</i>	0.1	0.5	0	0.5
* <i>Euphorbia terracina</i>	0.5	0.5	0	0.5
* <i>Lupinus cosentinii</i>	0.1	0.2	0	0.2
* <i>Medicago polymorpha</i>	30	0.1	0.1	0.1
* <i>Melilotus indicus</i>	5	0.1	1	0.1
* <i>Pelargonium capitatum</i>	0.1	0.1	0	0.1
* <i>Sonchus oleraceus</i>	0.1	0.1	0	0.1
* <i>Trachyandra divaricata</i>	3	0.1	0.5	0.1
<i>Carpobrotus virescens</i>	1	0.1	0.5	0.1
<i>Conostylis aculeata</i>	0.5	0.5	0.5	0.5
<i>Eremophila glabra</i>	0	0.5	1	0.5
<i>Ficinia nodosa</i>	30	0.5	30	0.5
<i>Frankenia pauciflora</i>	3	0.2	3	0.2
<i>Grevillea thelemanniana</i>	0.5	0.1	0.5	0.1

**Quadrat No.:** 2 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan  
 Crossley,  
 Sharon Hynes  
**Easting:** 370438  
**Northing:** 6509602  
**Location:** Splendid Park  
**Topography:** Upper Slope  
**Aspect:** North West  
**Slope:** 1-3%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** Nil  
**Bare Ground:** 5%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015  
 to create the  
 Park



**Note:** Mixed Coastal Open Heath

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>*Brassica tournefortii</i>	0.1	0.5	0	0.5
<i>*Ehrharta calycina</i>	20	0.1	5	0.1
<i>*Eucalyptus sp.</i>	1.5	1.5	1.5	1.5
<i>*Lagurus ovatus</i>	0.1	0.1	0	0.1
<i>*Lupinus angustifolius</i>	5	0.3	0.1	0.3
<i>*Lupinus cosentinii</i>	20	0.5	0	0.5
<i>*Medicago polymorpha</i>	50	0.1	0	0.1
<i>*Pelargonium capitatum</i>	1	0.5	1	0.5
<i>*Trachyandra divaricata</i>	0.5	0.1	0.1	0.1
<i>Acacia lasiocarpa</i>	7	0.5	7	0.5
<i>Adenanthos cygnorum</i>	2	1.5	2	1.5
<i>Calothamnus lateralis</i>	0.5	1	0.5	1
<i>Calothamnus quadrifidus</i>	1	0.5	1	0.5
<i>Carpobrotus virescens</i>	0.1	0.1	0	0.1
<i>Corymbia calophylla</i>	0.5	2	0.5	2
<i>Dodonaea hackettiana</i>	40	1.5	40	1.5
<i>Eucalyptus gomphocephala</i>	0.5	2	50	2
<i>Olearia axillaris</i>	0.5	1	0.5	1
<i>Scaevola crassifolia</i>	1.5	0.5	0.5	0.5

**Quadrat No.:** 3 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan  
 Crossley,  
 Sharon Hynes  
**Easting:** 370456  
**Northing:** 6509728  
**Location:** Splendid Park  
**Topography:** Mid Slope  
**Aspect:** North West  
**Slope:** 3-5%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** 10%  
**Bare Ground:** 40%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015  
 to create the  
 Park



**Note:** Mixed Coastal Open Heath

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>*Fabaceae</i> (shrub seedling)	0	0	0.1	0
<i>*Medicago polymorpha</i>	3	0.1	0	0.1
<i>Carpobrotus virescens</i>	0.5	0.1	0.1	0.1
<i>Ficinia nodosa</i>	1	0.5	0.1	0.5
<i>Grevillea crithmifolia</i>	1	0.3	1	0.3
<i>Hakea prostrata</i>	0.5	0.3	0.5	0.3
<i>Olearia axillaris</i>	7	1	7	1
<i>Agonis flexuosa</i>	0.5	1.5	0.5	1.5
<i>Scaevola crassifolia</i>	30	0.5	30	0.5
<i>Spinifex longifolius</i>	4	0.5	3	0.5
<i>Westringia dampieri</i>	1	0.3	0.5	0.3

**Quadrat No.:** 4 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan Crossley,  
 Sharon Hynes  
**Easting:** 370612  
**Northing:** 6509750  
**Location:** Splendid Park  
**Topography:** Mid Slope  
**Aspect:** North West  
**Slope:** 3-5%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** Nil  
**Bare Ground:** 70%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015 to create the Park



**Note:** *Ficinia nodosa* Open Sedgeland

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>*Medicago polymorpha</i>	15	0.1	0	0.1
<i>*Melilotus indicus</i>	0	0.5	0.1	0.5
<i>Carpobrotus virescens</i>	0	0.1	0	0.1
<i>Ficinia nodosa</i>	10	0.5	10	0.5
<i>Grevillea crithmifolia</i>	2	0.3	2	0.3
<i>Hakea prostrata</i>	0.5	0.3	0.5	0.3
<i>Olearia axillaris</i>	4	0.5	4	0.5
<i>Scaevola crassifolia</i>	15	0.5	15	0.5
<i>Westringia dampieri</i>	1	0.5	1	0.5

**Quadrat No.:** 5 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan  
 Crossley,  
 Sharon Hynes  
**Easting:** 370841  
**Westing:** 6509749  
**Location:** Splendid Park  
**Topography:** Mid Slope  
**Aspect:** North West  
**Slope:** 3-5%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** Nil  
**Bare Ground:** 25%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015  
 to create the  
 Park



**Note:** *Ficinia nodosa* Open Sedgeland

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>*Euphorbia terracina</i>	0.5	0.5	0	0.5
<i>*Lupinus cosentinii</i>	0.5	0.3	0	0.3
<i>*Medicago polymorpha</i>	40	0.1	0	0.1
<i>*Melilotus indicus</i>	0	0.2	3	0.2
<i>*Pelargonium capitatum</i>	0	0.1	0.5	0.1
<i>*Sonchus oleraceus</i>	0.1	0.3	0	0.3
<i>*Trachyandra divaricata</i>	0.1	0.1	0.1	0.1
<i>Anigozanthos flavidus (variant)</i>	0.5	0.3	0.5	0.3
<i>Calothamnus quadrifidus</i>	0.5	0.3	0.5	0.3
<i>Carpobrotus virescens</i>	0.1	0.1	0	0.1
<i>Conostylis aculeata</i>	0.5	0.5	0.5	0.5
<i>Eremophila glabra</i>	10	1	10	1
<i>Ficinia nodosa</i>	10	0.5	10	0.5
<i>Grevillea crithmifolia</i>	6	0.5	6	0.5
<i>Hakea petiolaris</i>	1.5	1.5	1.5	1.5
<i>Leucophyta brownii</i>	0.5	0.5	0.5	0.5
<i>Regelia ciliata</i>	0.5	0.5	0	0.5



**Quadrat No.:** 6 (10 x 10 m)  
**Survey Date:** 02/09/2020  
**Personnel:** Lachlan Crossley,  
 Sharon Hynes  
**Easting:** 370740  
**Westing:** 6509843  
**Location:** Splendid Park  
**Topography:** Lower Slope  
**Aspect:** South  
**Slope:** 3-5%  
**Soil:** Sand  
**Rock:** Nil  
**Leaf Litter:** Nil  
**Bare Ground:** 40%  
**Drainage:** Well  
**Condition:** Good  
**Disturbances:** Clearing 2015 to create the Park



**Note:** Mixed Coastal Open Heath

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>*Brassica tournefortii</i>	0.5	0.5	0	0.5
<i>*Ehrharta calycina</i>	3	0.3	2	3
<i>*Eucalyptus sp.</i>	6	2.5	6	6
<i>*Euphorbia terracina</i>	0	0.3	0.1	0
<i>*Lagurus ovatus</i>	15	0.3	0	15
<i>*Lupinus cosentinii</i>	2	0.5	0.5	2
<i>*Medicago polymorpha</i>	30	0.1	0	30
<i>*Melilotus indicus</i>	0	0.2	0.1	0
<i>*Pelargonium capitatum</i>	4	0.3	1	4
<i>*Trachyandra divaricata</i>	0.5	0.3	0.1	0.5
<i>Acacia lasiocarpa</i>	25	0.5	25	25
<i>Adenanthos cygnorum</i>	1	1.5	1	1
<i>Banksia prionotes</i>	0.1	0.3	0.1	0.1
<i>Calothamnus lateralis</i>	0	0.5	0.5	0
<i>Calothamnus quadrifidus</i>	2	0.5	2	2
<i>Carpobrotus virescens</i>	5	0.3	5	5
<i>Conostylis aculeata</i>	0.5	0.5	0.5	0.5
<i>Eucalyptus marginata</i>	0.5	1	0.5	0.5
<i>Grevillea crithmifolia</i>	0.5	0.5	5	0.5
<i>Guichenotia ledifolia</i>	0.1	0.5	0.1	0.1
<i>Jacksonia calcicola</i>	0.5	0.5	0.5	0.5

Species	September 2020		October 2020	
	Cover (%)	Height (m)	Cover (%)	Height (m)
<i>Melaleuca teretifolia</i>	1	1	1	1
<i>Myoporum insulare</i>	6	0.5	6	6

## Appendix 6: Species Matrix Splendid Park

Species Name (taxa)	Splendid Park Quadrats					
	SPQ1	SPQ2	SPQ3	SPQ4	SPQ5	SPQ6
<i>Acacia lasiocarpa</i>		1				1
<i>Adenanthos cygnorum</i>		1				1
<i>Agonis flexuosa</i>			1			
<i>Anigozanthos flavidus (variant)</i>					1	
<i>Banksia prionotes</i>						1
* <i>Brassica tournefortii</i>	1	1				1
<i>Calothamnus lateralis</i>		1				1
<i>Calothamnus quadrifidus</i>		1			1	1
<i>Carpobrotus virescens</i>	1	1	1	1	1	1
<i>Conostylis aculeata</i>	1				1	1
<i>Corymbia calophylla</i>		1				
<i>Dodonaea hackettiana (P4)</i>		1				
<i>Ehrharta calycina</i>		1				1
<i>Eremophila glabra</i>	1				1	
<i>Eucalyptus gomphocephala</i>		1				
<i>Eucalyptus marginata</i>						1
* <i>Eucalyptus sp.</i>		1				1
* <i>Euphorbia terracina</i>	1				1	1
<i>Ficinia nodosa</i>	1		1	1	1	
<i>Frankenia pauciflora</i>	1					
<i>Grevillea crithmifolia</i>			1	1	1	1
<i>Grevillea thelemanniana (T)</i>	1					
<i>Guichenotia ledifolia</i>						1
<i>Hakea petiolaris</i>					1	
<i>Hakea prostrata</i>			1			
<i>Hakea prostrata</i>				1		
<i>Jacksonia calcicola</i>						1
* <i>Lagurus ovatus</i>		1				1
<i>Leucophyta brownii</i>					1	

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<i>*Lupinus angustifolius</i>		1				
<i>*Lupinus cosentinii</i>	1	1			1	1
<i>*Medicago polymorpha</i>	1	1	1	1	1	1
<i>Melaleuca teretifolia</i>						1
<i>*Melilotus indicus</i>	1			1	1	1
<i>Myoporum insulare</i>						1
<i>Olearia axillaris</i>		1	1	1		
<i>*Pelargonium capitatum</i>	1	1			1	1
<i>Regelia ciliata</i>						1
<i>Scaevola crassifolia</i>		1	1	1		
<i>*Sonchus oleraceus</i>	1					1
<i>Spinifex longifolius</i>			1			
<i>*Trachyandra divaricata</i>	1	1			1	1
<i>Westringia dampieri</i>			1	1		