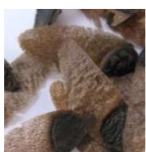
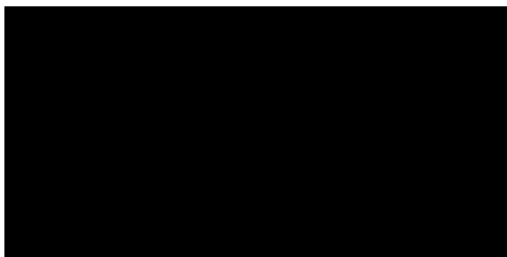




Anstey Road, Ranford Road, Skeet Road Flora Assessment



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Location	Client Folders [REDACTED] Anstey Road Flora Survey/Report				
Draft/Version No.	Date	Changes	Prepared by	Approved by	Status
V1	April 2021	New Document	[REDACTED]	[REDACTED]	Released

Executive Summary

████████████████████ was commissioned by the ██████████ ██████████ to undertake a basic flora and vegetation survey for a proposed fence installation along Anstey Keane Dampland, within the City of Armadale. The proposed fence will be installed along portions of Anstey Road to the south, and Skeet Rd and Ranford Rd to the north. The intent of fencing works is to upgrade and replace existing fencing on site, to protect vegetation within the dampland area by preventing unauthorised pedestrian and vehicular traffic. Outcomes of the survey activities will inform a clearing permit application associated with the proposed works.

The survey outcomes confirmed:

- a total of 47 flora species (taxa) from 20 families, of which 30 are native and 17 are introduced flora species (weeds)
- one Priority 3 (P3) flora species, *Jacksonia gracillima* was identified within the proposed clearing boundary; this will be retained and protected
- one Declared Pest species, *Gomphocarpus fruticosus* (Narrowleaf Cottonbush)
- vegetation condition ranged from Very Good to Completely Degraded with majority of the proposed fence alignment clearing area (77.8%) being Completely Degraded
- ongoing surrounding developments, including road works along Skeet Road and Anstey Road have encroached within the proposed fencing alignment with vegetation degradation and removal/previous pruning noted
- no threatened or priority ecological communities (TEC/PEC) were identified within the survey area.

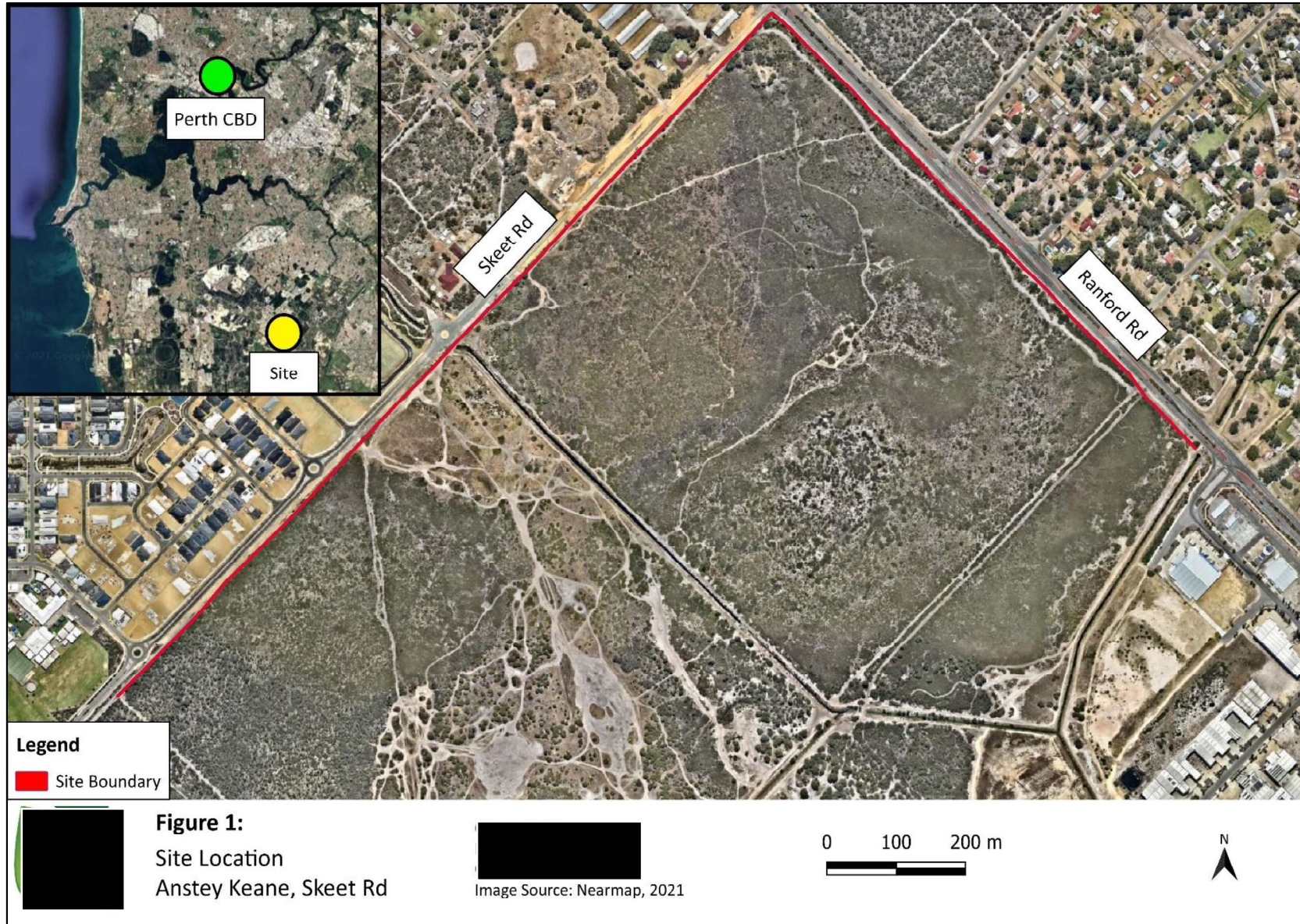
Given the nature of the proposed works, impacts to the environment are considered to be minimal. The 1 m corridor required for the installation of the fence requires minimal vegetation removal as the alignment runs along an existing fence line, adjacent to firebreaks/access tracks and road verges which are mostly in a Completely Degraded vegetative condition. Portions of the proposed clearing alignment have been impacted by development with several areas already subjected to clearing.

The proposed works will accommodate the retention of the one individual *Jacksonia gracillima* (P3). Spacing and alignment of the star-pickets will occur in a manner which does not disturb or damage the plant.

Numerous unauthorised entries and evidence of off-road vehicles utilising Anstey Keane Dampland were noted, along with illegal rubbish dumping. These activities continue to deteriorate the surrounding environment. Upgrading the existing fence will provide an additional physical barrier against anthropogenic disturbances and provide better land management through controlled access.

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2.0 Site Characteristics

The characteristics of a site have a strong bearing on the flora, vegetation, fauna, and ecological communities present. Key characteristics of the site are outlined in this section.

2.1 Regional Context

According to the Interim Biogeographical Regionalisation of Australia (IBRA) descriptions, the site is located within the Swan Coastal Plain. This area is described as 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 *Melaleuca* (Paperbark) in damp areas and Jarrah Woodland to the east where the Swan Coastal Plain rises (Mitchell, Williams and Desmond, 2002).

2.2 Climate

The climate experienced in the area is Mediterranean, with dry, hot summers and cool, wet winters.

According to the Bureau of Meteorology (2021); Gosnells City, Site No. 009106:

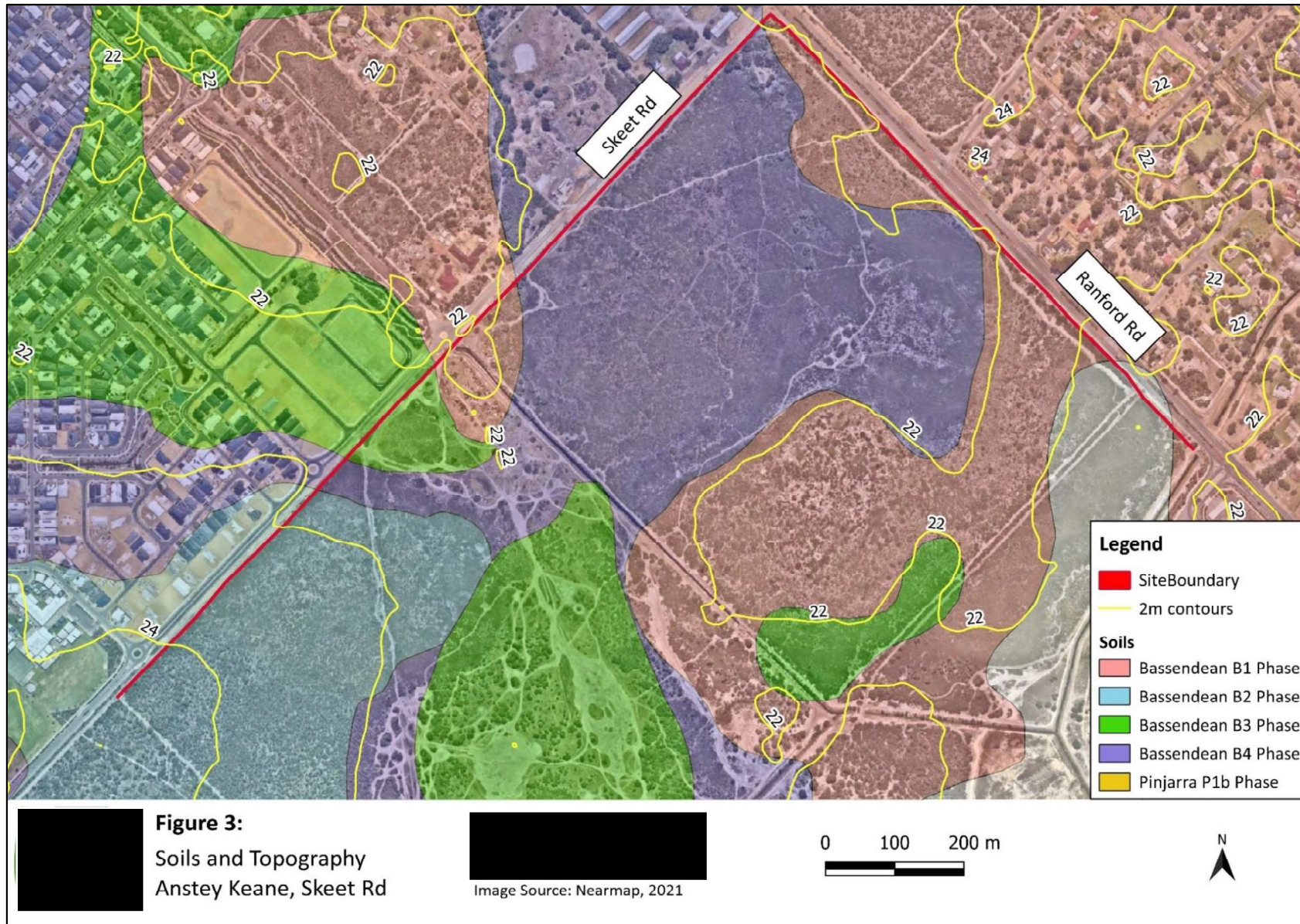
- rainfall averages 804.3 mm per annum, with rain falling predominantly between May and August
- maximum mean temperatures range from 18.7 °C in winter to 33 °C in summer, with a maximum recorded temperature of 46 °C
- minimum mean temperatures range from 8.8 °C in winter to 18.8 °C in summer, with a minimum recorded temperature of 0.5 °C
- predominant wind directions include morning north-easterlies and westerly sea breezes during the summer months, with an average wind speed of 9.5 km/h.

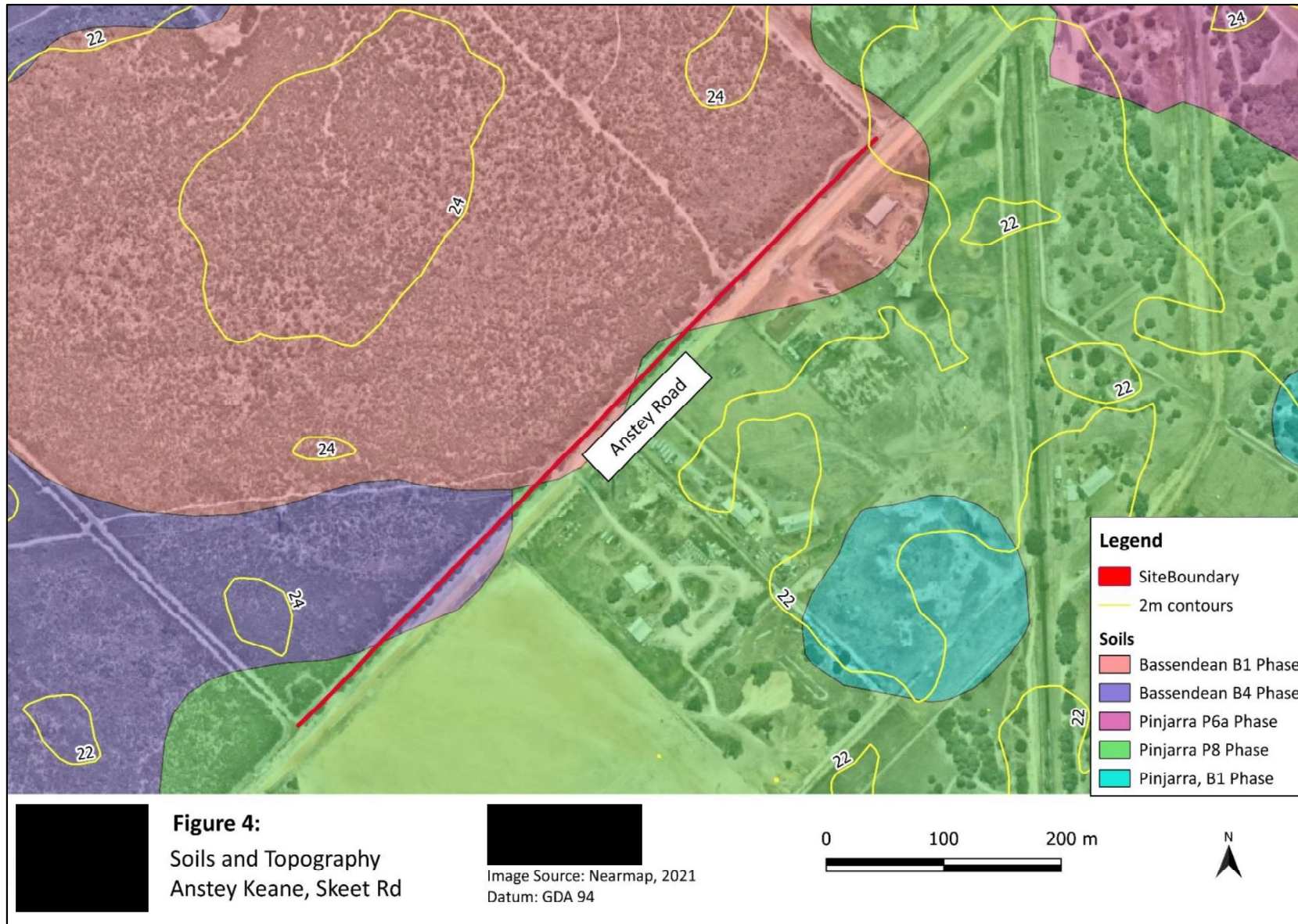
2.3 Topography and Soils

The site is relatively flat with gentle rises in the north-west and south-east boundaries, with site contours ranging from 22 to 24 m AHD (Australian Height Datum). Six soil types are present across the site (Department of Primary Industries and Regional Development, 2021) (Table 1, Figure 3, and Figure 4).

Table 1: Soil types at the site

Name	Symbol	Description
Bassendean B1 Phase	212Bs_B1	Extremely low to very low relief dunes, undulating sandplain and discrete sand rises with deep bleached grey sands. Sometimes with a pale-yellow B horizon or a weak iron-organic hardpan at depths generally greater than 2 m; <i>Banksia</i> dominant.
Bassendean B2 Phase	212Bs_B2	Flat to very gently undulating sandplain with well to moderately well drained deep bleached grey sands with a pale-yellow B horizon or a weak iron-organic hardpan 1-2 m.
Bassendean B3 Phase	212Bs_B3	Closed depressions and poorly defined stream channels with moderately deep, poorly to very poorly drained bleached sands with an iron-organic pan, or clay subsoil. Surfaces are dark grey sand or sandy loam.
Bassendean B4 Phase	212Bs_B4	Broad poorly drained sandplain with deep grey siliceous sands or bleached sands, underlain at depths generally greater than 1.5 m by clay or less frequently a strong iron-organic hardpan.
Pinjarra P1b Phase	213Pj_P1b	Flat to very gently undulating plain with deep acidic mottled yellow duplex (or effective duplex) soils. Moderately deep pale sand to loamy sand over clay: imperfectly drained and moderately susceptible to salinity in limited areas.
Pinjarra P8 Phase	213Pj_P8	Broad poorly drained flats and poorly defined stream channels with moderately deep to deep sands over mottled clays; acidic or less commonly alkaline grey and yellow duplex soils to uniform bleached or pale brown sands over clay.





2.4 Vegetation Complex

The Southern River vegetation complex, as described by Heddle *et al.* (1980), was the only vegetation complex identified to occur within the survey area. This complex consists of Marri-Jarra-Banksia Open Woodland on the elevated areas and a fringing Woodland of *Eucalyptus rudis*, *Melaleuca raphiophylla* along the streams. South of the Murray River, *Agonis flexuosa* occurs in association with the *Eucalyptus rudis* and *Melaleuca raphiophylla*.

2.5 Tenure and Current Land Use

The area is zoned by the City of Armadale as Parks and Recreation within Town Planning Scheme No. 4. The proposed fence also runs along the north, south and north-east boundaries of Anstey-Keane Dampland (Bush Forever Site 342) (Department of Planning, Lands and Heritage, 2021). Bush Forever is a strategic plan to protect regionally significant bushland on the Swan Coastal Plain within the Perth Metropolitan Region.

Anstey Keane Dampland contains high diversity of plant species and is associated with seasonal wetlands with both Conservation Category and Resource Enhancement Wetlands (Department of Biodiversity, Conservation and Attractions, 2016). It is also located within 5 km of a Wetland of International Importance (Ramsar) (Department of Agriculture, Water and the Environment, 2021).

3.0 Methodology

The basic flora survey methodologies undertaken by ██████████ are described in this section.

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 species
- likely presence of any threatened or priority ecological communities.

The following databases were accessed to obtain relevant information:

- NatureMap (Department of Biodiversity, Conservation and Attractions, 2021b) (Appendix 1)
- Protected Matters Search Tool (Department of Agriculture, Water and the Environment, 2021), (Appendix 2)
- NationalMap to determine to determine soil types (Department of Primary Industries and Regional Development, 2021)
- FloraBase (Department of Biodiversity, Conservation and Attractions, 2021a).

3.2 On-ground Flora Survey

████████████████████ surveyed the site on 9 April 2021, with key GPS data recorded using Mappt software on a handheld Samsung tablet. Field activities included:

- walking the site and identifying flora species present, including targeted searches for declared rare and priority species indicated as potentially present during desktop assessments
- assessing vegetation condition across the site
- mapping of clearing pegs to indicate proposed fencing alignment
- using a GPS to map significant species and boundaries of differing vegetation conditions
- determining the presence of any further threatened or priority listed flora species and/or ecological communities listed under the *Biodiversity and Conservation Act 2016 (WA)* and/or the *Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth)*.

Samples were collected and any unfamiliar species were recorded and photographed to enable later identification.

3.2.1 Vegetation Condition

Vegetation condition was assessed using the rating scale attributed to Keighery in *Bush Forever Volume 2* (Table 2) (Government of Western Australia, 2000).

Table 2: 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.
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

There are several limitations associated with both desktop and on-ground flora surveys:

- the on-ground survey was conducted outside of the optimal time of year for flora surveys in the south-west region; as such some species (e.g., orchids) would not be visible during the survey and only those observed were recorded
- database searches provide an indication of what flora species may be present, with on ground surveys required to confirm those present
- 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
- on-ground surveys indicate species present at the time of the assessment, with species flowering at different times not always able to be identified
- not all species flower every year
- 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.

4.0 Results

Both desktop and field surveys were carried out for the proposed fence replacement/installation at Anstey Keane and Skeet Road. Results of the surveys are presented in this section.

4.1 Flora Desktop Survey

A review of the NatureMap report (Department of Biodiversity, Conservation and Attractions, 2021b) (Appendix 1) indicated the potential for 547 flora species to occur within 5 km of the site, comprising:

- one hepatic (liverworts)
- three gymnosperms
- four pteridophyte (fern)
- 250 monocotyledons
- 289 dicotyledons.

4.1.1 Significant Flora Species

Of the flora species identified, NatureMap indicated the potential for 27 conservation significant flora species listed under the *Biodiversity Conservation Act 2016 (WA)* to occur within 5 km of the site (Department of Biodiversity, Conservation and Attractions, 2021b). The Protected Matters Search Tool (PMST) (Department of Agriculture, Water and the Environment, 2021) indicated the potential for 16 flora species listed as Matters of National Environmental Significance, under the *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)* (Cwlth), to occur within a 5 km radius of the site.

Table 3: Potential threatened and priority species that may occur on site

Species	Common Names	Conservation Code	NatureMap	PMST
<i>Acacia benthamii</i>		P2	X	
<i>Andersonia gracilis</i>		EN		X
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons	P4	X	
<i>Austrostipa jacobiana</i>		CR	X	X
<i>Byblis gigantea</i>	Rainbow Plant	P3	X	
<i>Caladenia huegelii</i>	Grand Spider Orchid	EN	X	X
<i>Diuris drummondii</i>	Tall Donkey Orchid	VU		X
<i>Diuris micrantha</i>	Dwarf Hammer Orchid	VU		X
<i>Diuris purdiei</i>	Purdie's Donkey Orchid	EN	X	X
<i>Drakaea elastica</i>	Glossy-leaved Hammer Orchid	EN	X	X
<i>Drakaea micrantha</i>		VU	X	X
<i>Drosera occidentalis</i>	Western Sundew	P4	X	
<i>Eryngium pinnatifidum</i> subsp. <i>palustre</i>		P3	X	
<i>Eucalyptus x balanites</i>	Cadda Road Mallee	EN		X

Species	Common Names	Conservation Code	NatureMap	PMST
<i>Goodenia arthrotricha</i>		EN		X
<i>Grevillea curviloba</i> subsp. <i>incurva</i>		EN		X
<i>Jacksonia gracillima</i>		P3	X	
<i>Jacksonia sericea</i>	Waldjumi	P4	X	
<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		P2	X	
<i>Lepidosperma rostratum</i>		EN	X	X
<i>Meionectes tenuifolia</i>		P3	X	
<i>Ornduffia submersa</i>		P4	X	
<i>Schoenus benthamii</i>		P3	X	
<i>Schoenus capillifolius</i>		P3	X	
<i>Schoenus pennisetis</i>		P3	X	
<i>Stenanthemum sublineare</i>		P2	X	
<i>Stylidium aceratum</i>		P3	X	
<i>Stylidium longitubum</i>	Jumping Jacks	P4	X	
<i>Styphelia filifolia</i>		P3	X	
<i>Synaphea</i> sp. Fairbridge Farm (D. Papenfus 696)		CR		X
<i>Synaphea</i> sp. Pinjarra Plain (A.S. George 17182)		EN		X
<i>Synaphea</i> sp. Serpentine (G.R. Brand 103)		CR		X
<i>Thelymitra stellata</i>	Star Orchid	EN		X
<i>Thysanotus anceps</i>		P3	X	
<i>Thysanotus glaucus</i>		P4	X	
<i>Tripterococcus</i> sp. Brachylobus (A.S. George 14234)		P4	X	
<i>Verticordia lindleyi</i> subsp. <i>Lindleyi</i>		P4	X	

4.1.2 Threatened and Priority Ecological Communities

A review of the PMST report (Department of Agriculture, Water and the Environment, 2021) (Appendix 2) indicated that three Threatened Ecological Communities (TEC) may potentially occur within the survey site, namely:

- Banksia Woodlands of the Swan Coastal Plain ecological community (Endangered)
- Clay Pans of the Swan Coastal Plain (Critically Endangered)
- Tuart (*Eucalyptus gomphocephala*) Woodlands and Forests of the Swan Coastal Plain ecological community (Critically Endangered).

4.2 Flora On-ground Survey

The survey confirmed the presence of 47 flora species from 20 families, including 30 native, 17 introduced (weeds) and one Priority 3 (P3) flora species. One Priority 3 *Jacksonia gracillima* listed under the *Biodiversity Conservation Act 2016* (WA) was recorded along the northern limits of the proposed site, near the corner of Skeet and Ranford roads (Figure 5). Photos of some of the flora species recorded on site are illustrated in Figure 6. *Gomphocarpus fruticosus* (Narrowleaf Cottonbush) was also recorded on site. This species is listed as a Declared Pest in Western Australia and landowners are required to manage its population under the *Biosecurity and Agriculture Management Act 2007* (WA).



Calytrix fraseri



Jacksonia gracillima (P3)



Acacia stenoptera



**Gomphocarpus fruticosus* (Declared Pest)



**Oenothera drummondii*



**Agave americana*

Figure 6: Photos of flora recorded within proposed site. * Denotes introduced species

4.2.1 Vegetation Condition

Vegetation condition across the site ranges from Completely Degraded to Very Good (Table 4, Figures 8 - 10), with the majority of the site classed as Completely Degraded as it runs along an existing fence and adjacent to firebreaks and access tracks. Numerous disturbances from adjacent roads works along Skeet Road also negatively impacted the vegetation condition (Figure 7).

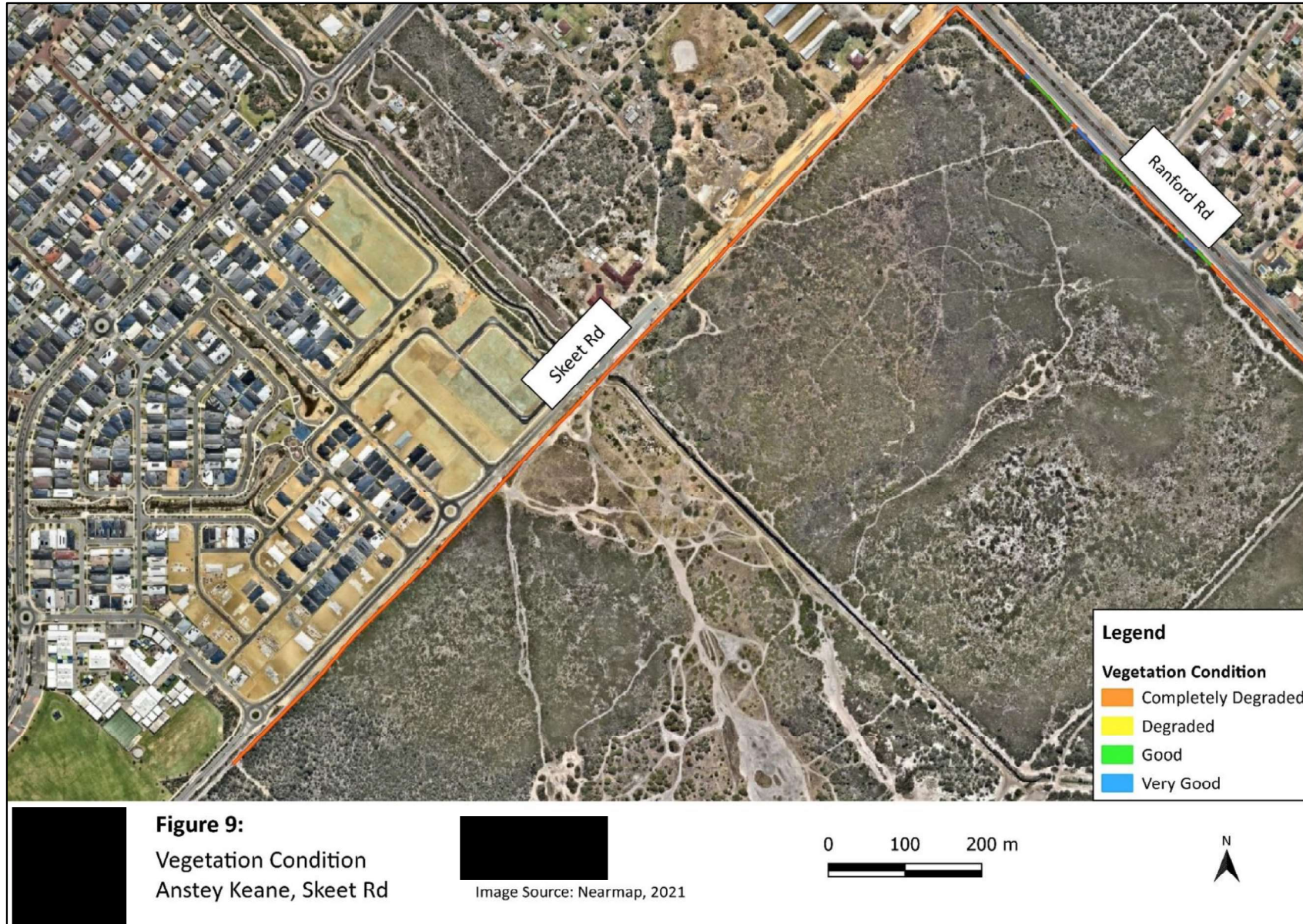
Table 4: Vegetation condition across site

Vegetation Condition	Pristine	Excellent	Very Good	Good	Degraded	Completely Degraded	Total
Area (ha)	0	0	0.0160	0.0752	0.0377	0.451	0.580
Area (%)	0	0	2.7	13	6.5	77.8	100



Figure 7: Vegetation condition ranged from Very Good to Completely Degraded







4.2.2 Threatened and Priority Ecological Communities

While no TECs and/or PECs were found to be within the survey area due to the degraded nature present, the endangered Banksia Woodlands of the Swan Coastal Plain Ecological Community is known to occur in close proximity to the proposed site, along Skeet Road (Figure 11).



Figure 11: Proposed upgrading of existing fence-line in close proximity to potential Banksia Woodland TEC, separated by access tracks/ firebreaks

5.0 Implications of Results

5.1 Flora and Vegetation

As the proposed area consists of an existing fence is adjacent to a firebreak and access track, flora diversity is relatively low due to the degraded nature of the alignment. There is also substantial disturbance from neighbouring developments, including on-going road works and Western Power maintenance works, which is presented in the form of vegetation removal and ground disturbance. As a result, vegetation condition is mostly Completed Degraded as a result from these edge disturbances. Furthermore, it is noted that illegal rubbish dumping and illegal entry by off-road vehicles has deteriorated the environmental value of the Bush Forever Site.

The proposed pruning of vegetation 0.5 m on either side of the fence line, totalling approximately 0.58 ha will facilitate the installation and upgrading of the current fence. The alignment of the new fence will be installed to accommodate any mature trees within the alignment. As the proposed style of fencing includes steel cables with intermediate star-pickets and steel posts strainer assemblies, there will be minimal disturbance and impact to the surrounding areas, with star pickets and box braces driven directly into the ground, resulting in minimal soil disturbance, and limiting potential erosion. Proposed entry gates will be installed in areas with existing tracks, utilising existing cleared areas with minimal to no vegetation clearing required.

The upgrading of the fence will provide a barrier to better protect the surrounding remnant bushland from anthropogenic disturbances such as illegal off-roading and rubbish dumping which degrade the bushland. Figures 12 and 13 illustrate the various disturbances recorded during the survey.

5.2 Significant Flora

Jacksonia gracillima, a Priority 3 flora species, was recorded within the northern alignment of the survey site. This is a prostrate, spreading or scrambling shrub that typically flowers between October and November and occurs in the South-West Botanical Province, on the Swan Coastal Plain.

The proposed fence can be constructed around the one individual plant. Spacing and alignment between the fence posts can accommodate the small shrub without sacrificing its function or causing damage. Upgrading of the fence will also provide an additional physical protection against trampling and other negative anthropogenic activities.

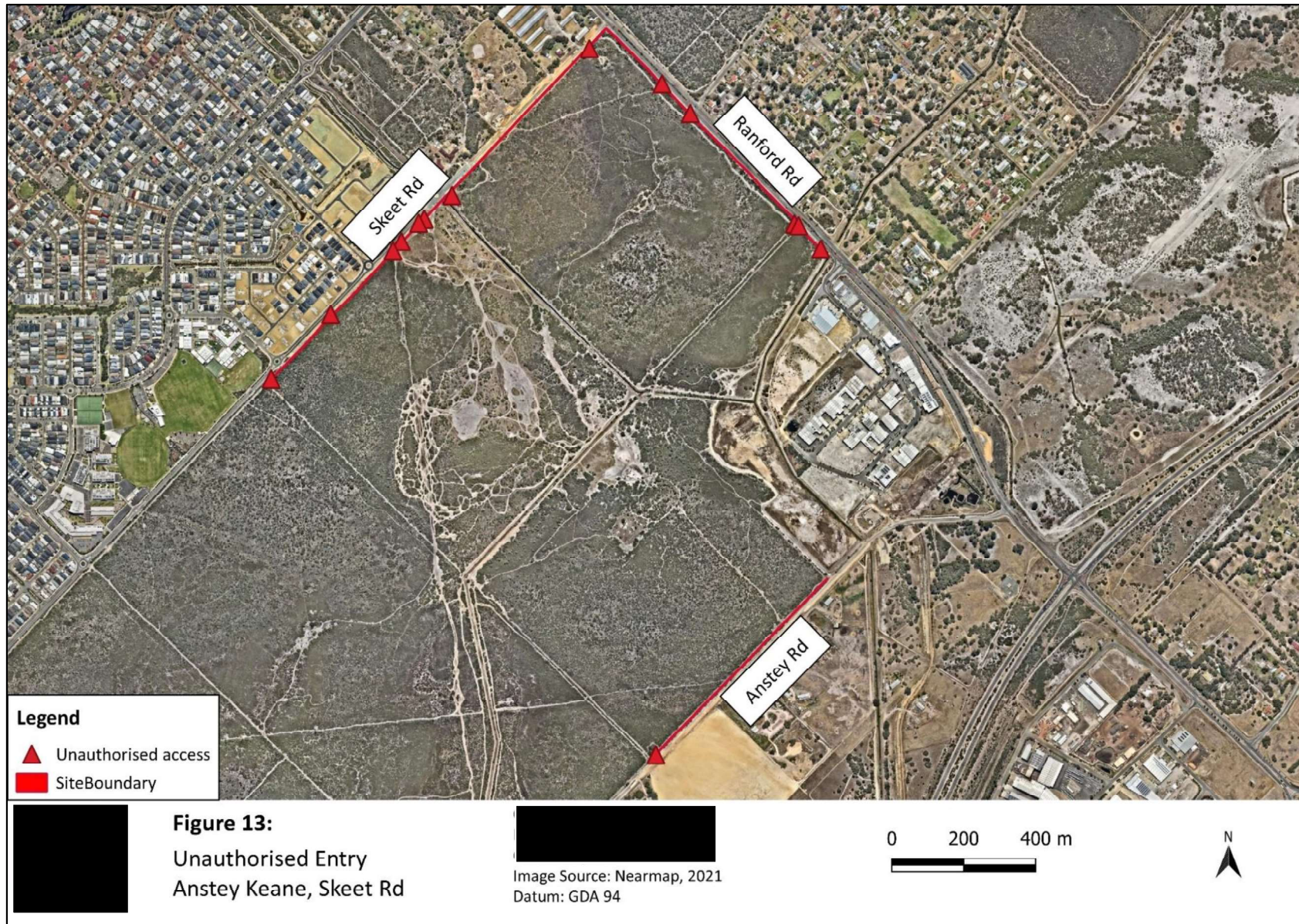
5.3 Threatened and Priority Ecological Communities

No TECs or PECs were recorded within the 1 m wide proposed fence line alignment. The endangered Banksia Woodland of the Swan Coastal Plain ecological community is known to occur within Anstey Keane Damplands, but as it occurs outside the proposed site, is not assessed.

The presence of an existing firebreak/access track separating the site from the potential TEC, coupled with the proposed construction methodology of the fence, suggests that there will be minimal to no impact to the existing vegetation. The proposed installation of the fence will more than likely benefit the remnant vegetation by restricting access to illegal off-road vehicles and reduce rubbish dumping.



Figure 12: Illegal dumping of rubbish



6.0 References

Biosecurity and Agriculture Management Act 2007 (Western Australia)

Biodiversity Conservation Act 2016 (Western Australia)

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Appendix 1: NatureMap

NatureMap Species Report

Created By Guest user on 08/04/2021

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 115° 57' 00" E, 32° 07' 34" S
Buffer 5km
Group By Species Group

Species Group	Species	Records
Alga	2	2
Amphibian	7	143
Bird	198	33081
Dicotyledon	289	995
Fish	1	1
Fungus	11	38
Gymnosperm	3	22
Hepatic (Liverwort)	1	1
Invertebrate	31	186
Mammal	17	170
Monocotyledon	250	1061
Pteridophyte (Fern)	4	7
Reptile	38	308
Slime Mould	9	9
TOTAL	861	36024

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Alga				
1.	26587 <i>Centroceras clavulatum</i>			
2.	27318 <i>Struvea plumosa</i>			
Amphibian				
3.	25398 <i>Crinia georgiana</i> (Quacking Frog)			
4.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
5.	25410 <i>Heleioporus eyrei</i> (Moaning Frog)			
6.	25415 <i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
7.	25378 <i>Litoria adelaidensis</i> (Slender Tree Frog)			
8.	25388 <i>Litoria moorei</i> (Motorbike Frog)			
9.	25433 <i>Pseudophryne guentheri</i> (Crawling Toadlet)			
Bird				
10.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
11.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
12.	24262 <i>Acanthiza inornata</i> (Western Thornbill)			
13.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			
14.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
15.	24281 <i>Accipiter cirrocephalus</i> subsp. <i>cirrocephalus</i> (Collared Sparrowhawk)			
16.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
17.	24283 <i>Accipiter fasciatus</i> subsp. <i>didimus</i> (Brown Goshawk)			
18.	25755 <i>Acrocephalus australis</i> (Australian Reed Warbler)			
19.	24831 <i>Acrocephalus australis</i> subsp. <i>gouldi</i> (Australian Reed Warbler)			
20.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
21.	24301 <i>Aegotheles cristatus</i> subsp. <i>cristatus</i> (Australian Owllet-nightjar)			
22.	24310 <i>Anas castanea</i> (Chestnut Teal)			
23.	24312 <i>Anas gracilis</i> (Grey Teal)			
24.	<i>Anas platyrhynchos</i> subsp. <i>domesticus</i>			
25.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
26.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
27.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
28.	<i>Anser anser</i>			
29.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
30.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
31.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
32.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
33.	24337 <i>Ardea garzetta</i> subsp. <i>nigripes</i> (Little Egret)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
34.	25558 <i>Ardea ibis</i> (Cattle Egret)			
35.	41324 <i>Ardea modesta</i> (great egret, white egret)			
36.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
37.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
38.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
39.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
40.	24352 <i>Artamus cinereus</i> subsp. <i>melanops</i> (Black-faced Woodswallow)			
41.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
42.	24318 <i>Aythya australis</i> (Hardhead)			
43.	<i>Barnardius zonarius</i>			
44.	24319 <i>Biziura lobata</i> (Musk Duck)			
45.	24345 <i>Botaurus poiciloptilus</i> (Australasian Bittern)		T	
46.	25713 <i>Cacatua galerita</i> (Sulphur-crested Cockatoo)			
47.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
48.	25715 <i>Cacatua roseicapilla</i> (Galah)			
49.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
50.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
51.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
52.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
53.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
54.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
55.	24786 <i>Calidris melanotos</i> (Pectoral Sandpiper)		IA	
56.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
57.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
58.	25717 <i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
59.	24731 <i>Calyptorhynchus banksii</i> subsp. <i>naso</i> (Forest Red-tailed Black Cockatoo)		T	
60.	24734 <i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		T	
61.	48400 <i>Calyptorhynchus</i> sp. (white-tailed black cockatoo)		T	
62.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		T	
63.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
64.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
65.	<i>Chroicocephalus novaehollandiae</i>			
66.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
67.	25601 <i>Chrysococcyx lucidus</i> (Shining Bronze Cuckoo)			
68.	24432 <i>Chrysococcyx lucidus</i> subsp. <i>plagosus</i> (Shining Bronze Cuckoo)			
69.	24288 <i>Circus approximans</i> (Swamp Harrier)			
70.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
71.	24774 <i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
72.	25675 <i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
73.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
74.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
75.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
76.	25592 <i>Corvus coronoides</i> (Australian Raven)			
77.	24417 <i>Corvus coronoides</i> subsp. <i>perplexus</i> (Australian Raven)			
78.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
79.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
80.	24673 <i>Coturnix ypsilophora</i> subsp. <i>australis</i> (Brown Quail)			
81.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
82.	24423 <i>Cracticus tibicen</i> subsp. <i>tibicen</i> (Black-backed Magpie)			
83.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
84.	24424 <i>Cracticus torquatus</i> subsp. <i>torquatus</i> (Grey Butcherbird)			
85.	24322 <i>Cygnus atratus</i> (Black Swan)			
86.	24323 <i>Cygnus olor</i> (Mute Swan)	Y		
87.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
88.	25673 <i>Daphoenositta chrysoptera</i> (Varied Sittella)			
89.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
90.	<i>Egretta garzetta</i>			
91.	<i>Egretta novaehollandiae</i>			
92.	<i>Elanus axillaris</i>			
93.	25540 <i>Elanus caeruleus</i> (Black-shouldered Kite)			
94.	47937 <i>Euseiornis melanops</i> (Black-fronted Dotterel)			
95.	<i>Eolophus roseicapillus</i>			
96.	24567 <i>Epthianura albifrons</i> (White-fronted Chat)			
97.	24379 <i>Erythronyx cinctus</i> (Red-kneed Dotterel)			
98.	24368 <i>Eurostopodus argus</i> (Spotted Nightjar)			
99.	25621 <i>Falco bengora</i> (Brown Falcon)			
100.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
101.	25623 <i>Falco longipennis</i> (Australian Hobby)			
102.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)			

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Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
103.	25727 <i>Fulica atra</i> (Eurasian Coot)			
104.	24761 <i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
105.	25729 <i>Gallinula tenebrosa</i> (Dusky Moorhen)			
106.	24763 <i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
107.	25730 <i>Gallirallus philippensis</i> (Buff-banded Rail)			
108.	47954 <i>Gelochelidon nilotica</i> (Gull-billed Tern)		IA	
109.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
110.	47962 <i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
111.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
112.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)			
113.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
114.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
115.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
116.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
117.	47975 <i>Ixobrychus dubius</i> (Australian Little Bittern)		P4	
118.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
119.	24511 <i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
120.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
121.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
122.	25683 <i>Lonchura castaneothorax</i> (Chestnut-breasted Mannikin)			
123.	<i>Lophoictinia isura</i>			
124.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
125.	25654 <i>Malurus splendens</i> (Splendid Fairy-wren)			
126.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
127.	25758 <i>Megalurus gramineus</i> (Little Grassbird)			
128.	24587 <i>Melithreptus chloropsis</i> (Western White-naped Honeyeater)			
129.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			
130.	<i>Microcarbo melanoleucos</i>			
131.	25542 <i>Milvus migrans</i> (Black Kite)			
132.	25610 <i>Myiagra inquieta</i> (Restless Flycatcher)			
133.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
134.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
135.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
136.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
137.	24328 <i>Oxyura australis</i> (Blue-billed Duck)		P4	
138.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
139.	24624 <i>Pachycephala rufiventris</i> subsp. <i>rufiventris</i> (Rufous Whistler)			
140.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
141.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
142.	24625 <i>Pardalotus punctatus</i> subsp. <i>punctatus</i> (Spotted Pardalote)			
143.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
144.	24630 <i>Pardalotus striatus</i> subsp. <i>westraliensis</i> (Striated Pardalote)			
145.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
146.	48060 <i>Petrochelidon ariel</i> (Fairy Martin)			
147.	48061 <i>Petrochelidon nigricans</i> (Tree Martin)			
148.	48066 <i>Petroica boodang</i> (Scarlet Robin)			
149.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
150.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
151.	25698 <i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
152.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
153.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
154.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
155.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
156.	48071 <i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
157.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
158.	24841 <i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
159.	24842 <i>Platalea regia</i> (Royal Spoonbill)			
160.	25720 <i>Platycercus icterotis</i> (Western Rosella)			
161.	24747 <i>Platycercus spurius</i> (Red-capped Parrot)			
162.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
163.	24750 <i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
164.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
165.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
166.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
167.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
168.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
169.	24681 <i>Poliiocephalus poliocephalus</i> (Hoary-headed Grebe)			
170.	25722 <i>Polytelis anthopeplus</i> (Regent Parrot)			
171.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
172.	24767 <i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swamphen)			

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173.	24769 <i>Porzana fluminea</i> (Australian Spotted Crake)			
174.	25732 <i>Porzana pusilla</i> (Baillon's Crake)			
175.	24771 <i>Porzana tabuensis</i> (Spotless Crake)			
176.	48085 <i>Psittacula krameri</i> (Indian Ringnecked Parrot, Rose-ringed Parakeet)	Y		
177.	24702 <i>Pterodroma brevirostris</i> (Kerguelen Petrel)			
178.	<i>Purpureicephalus spurius</i>			
179.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
180.	48096 <i>Rhipidura albiscapa</i> (Grey Fantail)			
181.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
182.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
183.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
184.	30948 <i>Smicrornis brevirostris</i> (Weebill)			
185.	24516 <i>Stercorarius longicaudus</i> (long-tailed jaeger, long-tailed skua)		IA	
186.	24329 <i>Stictonetta naevosa</i> (Freckled Duck)			
187.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
188.	30951 <i>Streptopelia chinensis</i> subsp. <i>tigrina</i> (Spotted Turtle-Dove)	Y		
189.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
190.	30950 <i>Streptopelia senegalensis</i> subsp. <i>senegalensis</i> (Laughing Turtle-Dove)	Y		
191.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
192.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
193.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
194.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
195.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
196.	24309 <i>Todiramphus sanctus</i> subsp. <i>sanctus</i> (Sacred Kingfisher)			
197.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
198.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
199.	24755 <i>Trichoglossus haematodus</i> subsp. <i>moluccanus</i> (Rainbow Lorikeet)	Y		
200.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
201.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
202.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper, little greenshank)		IA	
203.	48147 <i>Turnix varius</i> (Painted Button-quail)			
204.	24852 <i>Tyto alba</i> subsp. <i>delicatula</i> (Barn Owl)			
205.	25577 <i>Vanellus miles</i> (Masked Lapwing)			
206.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
207.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereye)			

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208.	? <i>Epilobium</i> sp.			
209.	? <i>Jacksonia furcellata</i>			Y
210.	? <i>Kennedia prostrata</i>			Y
211.	? <i>Kunzea glabrescens</i>			
212.	? <i>Symphotrichum squamatum</i>			Y
213.	? <i>Trachymene pilosa</i>			Y
214.	<i>Acacia</i> ? <i>longifolia</i>			Y
215.	3207 <i>Acacia alata</i> (Winged Wattle)			
216.	3237 <i>Acacia benthamii</i>		P2	
217.	3374 <i>Acacia huegelii</i>			
218.	3409 <i>Acacia lasiocarpa</i> (Panjang)			
219.	17861 <i>Acacia longifolia</i>	Y		
220.	3502 <i>Acacia pulchella</i> (Prickly Moses)			
221.	15483 <i>Acacia pulchella</i> var. <i>pulchella</i>			
222.	3527 <i>Acacia saligna</i> (Orange Wattle, Kudjong)			
223.	<i>Acacia</i> sp.			
224.	<i>Acacia</i> sp. F13 seedling			Y
225.	3557 <i>Acacia stenoptera</i> (Narrow Winged Wattle)			
226.	14970 <i>Adenanthos barbiger</i>			
227.	1775 <i>Adenanthos cygnorum</i> (Common Woollybush)			
228.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
229.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
230.	1732 <i>Allocasuarina humilis</i> (Dwarf Sheoak)			
231.	6314 <i>Andersonia lehmanniana</i>			
232.	12724 <i>Anthotium junciforme</i>			
233.	7838 <i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		
234.	<i>Astartea</i> aff. <i>fascicularis</i> sthct			
235.	20350 <i>Astartea affinis</i> (West-coast Astartea)			
236.	20283 <i>Astartea scoparia</i> (Common Astartea)			
237.	6323 <i>Astroloma ciliatum</i> (Candle Cranberry)			
238.	6339 <i>Astroloma xerophyllum</i>			
239.	2471 <i>Atriplex prostrata</i> (Hastate Orache)	Y		
240.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			

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241.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
242.	<i>Banksia ilicifolia/menziesii</i>			Y
243.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
244.	1852 <i>Banksia telmatiaea</i> (Swamp Fox Banksia)			
245.	5393 <i>Beaufortia squarrosa</i> (Sand Beaufortia, Sand Bottlebrush, Puno)			
246.	48868 <i>Bellardia viscosa</i>	Y		
247.	4417 <i>Boronia dichotoma</i>			
248.	4420 <i>Boronia fastigiata</i> (Bushy Boronia)			
249.	11381 <i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
250.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
251.	6341 <i>Brachyloma preissii</i> (Globe Heath)			
252.	7878 <i>Brachyscome iberidifolia</i>			
253.	3178 <i>Byblis gigantea</i> (Rainbow Plant)		P3	
254.	16365 <i>Calandrinia</i> sp. <i>Kenwick</i> (G.J. Keighery 10905)			
255.	5411 <i>Calothamnus hirsutus</i>			
256.	5415 <i>Calothamnus lateralis</i>			
257.	5458 <i>Calytrix flavescens</i> (Summer Starflower)			
258.	5460 <i>Calytrix fraseri</i> (Pink Summer Calytrix)			
259.	2795 <i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
260.	2957 <i>Cassytha racemosa</i> (Dodder Laurel)			
261.	6543 <i>Cicendia filiformis</i> (Slender Cicendia)	Y		
262.	2929 <i>Clematis pubescens</i> (Common Clematis)			
263.	4554 <i>Comesperma flavum</i>			
264.	<i>Comesperma</i> sp. <i>FL-3</i> (too young to be id)			Y
265.	6348 <i>Conostephium pendulum</i> (Pearl Flower)			
266.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
267.	7941 <i>Conyza parva</i>	Y		
268.	20074 <i>Conyza sumatrensis</i>	Y		
269.	17104 <i>Corymbia calophylla</i> (Marri)			
270.	7945 <i>Cotula coronopifolia</i> (Waterbuttons)	Y		
271.	17701 <i>Crassula closiana</i>			
272.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
273.	15706 <i>Crassula natans</i> var. <i>minus</i>	Y		
274.	29054 <i>Crepis foetida</i> subsp. <i>foetida</i> (Stinking Hawksbeard)	Y		
275.	7420 <i>Dampiera alata</i> (Winged-stem Dampiera)			
276.	7451 <i>Dampiera lavandulacea</i>			
277.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
278.	7484 <i>Dampiera trigona</i> (Angled-stem Dampiera)			
279.	5508 <i>Darwinia citriodora</i> (Lemon-scented Darwinia)			
280.	3832 <i>Daviesia physodes</i>			
281.	<i>Drosera ?paleacea</i>			Y
282.	<i>Drosera ?porrecta</i>			
283.	48751 <i>Drosera drummondii</i>			
284.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			
285.	3097 <i>Drosera gigantea</i> (Giant Sundew)			
286.	3101 <i>Drosera heterophylla</i> (Swamp Rainbow)			
287.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
288.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
289.	3113 <i>Drosera neesii</i> (Jewel Rainbow)			
290.	3114 <i>Drosera nitidula</i> (Shining Sundew)			
291.	3115 <i>Drosera occidentalis</i> (Western Sundew)		P4	
292.	3118 <i>Drosera pallida</i> (Pale Rainbow)			
293.	3124 <i>Drosera pulchella</i> (Pretty Sundew)			
294.	8911 <i>Drosera rosulata</i>			
295.	<i>Drosera</i> sp. "climbing"			
296.	3131 <i>Drosera stolonifera</i> (Leafy Sundew)			
297.	3135 <i>Drosera zonaria</i> (Painted Sundew)			
298.	2501 <i>Dysphania glomulifera</i>			
299.	11368 <i>Dysphania glomulifera</i> subsp. <i>glomulifera</i>			
300.	6131 <i>Epilobium billardioreanum</i> (Glabrous Willow Herb)			
301.	13949 <i>Eremaea asterocarpa</i>			
302.	13950 <i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
303.	14097 <i>Eremaea asterocarpa</i> subsp. <i>brachyclada</i>			
304.	5541 <i>Eremaea pauciflora</i>			
305.	18301 <i>Eriobotrya japonica</i>	Y		
306.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
307.	41801 <i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		P3	
308.	5615 <i>Eucalyptus decipiens</i> (Limestone Marlock, Moit)			
309.	5708 <i>Eucalyptus marginata</i> (Jarrah, Djara)			
310.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
311.	<i>Eucalyptus</i> sp.			
312.	5790 <i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
313.	3872 <i>Euchilopsis linearis</i> (Swamp Pea)			
314.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
315.	3880 <i>Eutaxia virgata</i>			
316.	7323 <i>Galium murale</i> (Small Goosegrass)	Y		
317.	20475 <i>Gastrolobium capitatum</i>			
318.	4339 <i>Geranium molle</i> (Dove's Foot Cranesbill)	Y		
319.	12624 <i>Gnephosis angianthoides</i>			
320.	3948 <i>Gompholobium capitatum</i>			
321.	3954 <i>Gompholobium polymorphum</i>			
322.	3957 <i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
323.	6160 <i>Gonocarpus paniculatus</i>			
324.	6161 <i>Gonocarpus pithyoides</i>			
325.	12551 <i>Goodenia micrantha</i>			
326.	7538 <i>Goodenia pulchella</i>			
327.	19286 <i>Goodenia pulchella</i> subsp. Coastal Plain A (M. Hislop 634)			
328.	37500 <i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
329.	19628 <i>Grevillea bipinnatifida</i> subsp. <i>bipinnatifida</i>			
330.	13429 <i>Grevillea diversifolia</i> subsp. <i>diversifolia</i>			
331.	<i>Grevillea robusta</i>			Y
332.	2179 <i>Hakea marginata</i>			
333.	2197 <i>Hakea prostrata</i> (Harsh Hakea)			
334.	2212 <i>Hakea sulcata</i> (Furrowed Hakea)			
335.	2216 <i>Hakea varia</i> (Variable-leaved Hakea)			
336.	<i>Hemiandra</i> ?sp. <i>Jurien</i>			Y
337.	6839 <i>Hemiandra pungens</i> (Snakebush)			
338.	38320 <i>Hemiandra</i> sp. <i>Jurien</i> (B.J. Conn & M.E. Tozer BJC 3885)			
339.	6856 <i>Hemigenia incana</i> (Silky Hemigenia)			
340.	19778 <i>Hibbertia glomerata</i> subsp. <i>darlingensis</i>			
341.	<i>Hibbertia huegelii</i> complex			
342.	45534 <i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
343.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
344.	43280 <i>Hibbertia sericosepala</i>			
345.	48381 <i>Hibbertia striata</i>			
346.	5173 <i>Hibbertia subvaginata</i>			
347.	6222 <i>Homalosciadium homalocarpum</i>			
348.	3968 <i>Hovea trisperma</i> (Common Hovea)			
349.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
350.	12741 <i>Hyalosperma cotula</i>			
351.	5216 <i>Hybanthus calycinus</i> (Wild Violet)			
352.	6223 <i>Hydrocotyle alata</i>			
353.	6226 <i>Hydrocotyle callicarpa</i> (Small Pennywort)			
354.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
355.	5825 <i>Hypocalymma robustum</i> (Swan River Myrtle)			
356.	8086 <i>Hypochaeris glabra</i> (Smooth Catsear)	Y		
357.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
358.	20462 <i>Jacksonia gracillima</i>		P3	
359.	4027 <i>Jacksonia sericea</i> (Waldjumi)		P4	
360.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
361.	5832 <i>Kunzea ericifolia</i> (Spearwood, Pondil)			
362.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
363.	5835 <i>Kunzea micrantha</i>			
364.	8095 <i>Lactuca saligna</i> (Wild Lettuce, Willow-leaf Lettuce)	Y		
365.	4052 <i>Latrobea tenella</i>			
366.	6879 <i>Lavandula stoechas</i> (Italian Lavender)	Y		
367.	7572 <i>Lechenaultia expansa</i>			
368.	7574 <i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
369.	8099 <i>Leontodon saxatilis</i> (Hairy Hawkbit)	Y		
370.	5850 <i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
371.	6374 <i>Leucopogon conostephioides</i>			
372.	6416 <i>Leucopogon nutans</i> (Drooping Leucopogon)			
373.	6425 <i>Leucopogon oxycedrus</i>			
374.	6434 <i>Leucopogon polymorphus</i>			
375.	40803 <i>Leucopogon squarrosus</i> subsp. <i>squarrosus</i>			
376.	6447 <i>Leucopogon strictus</i>			
377.	6451 <i>Leucopogon tenuis</i>			
378.	7677 <i>Levenhookia stipitata</i> (Common Stylewort)			
379.	7408 <i>Lobelia tenuior</i> (Slender Lobelia)			
380.	4059 <i>Lotus angustissimus</i> (Narrowleaf Trefoil)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
381.	8564 <i>Lotus subbiflorus</i>	Y		
382.	36375 <i>Lysimachia arvensis</i> (Pimpernel)	Y		
383.	2838 <i>Macarthuria apetala</i>			
384.	2839 <i>Macarthuria australis</i>			
385.	33638 <i>Meionectes tenuifolia</i>		P3	
386.	37580 <i>Melaleuca acutifolia</i>			
387.	5900 <i>Melaleuca cuticularis</i> (Saltwater Paperbark)			
388.	5921 <i>Melaleuca incana</i> (Grey Honey Myrtle)			
389.	13273 <i>Melaleuca incana</i> subsp. <i>incana</i>			
390.	5925 <i>Melaleuca lateriflora</i> (Gorada)			
391.	5926 <i>Melaleuca lateritia</i> (Robin Redbreast Bush)			
392.	20297 <i>Melaleuca osullivanii</i>			
393.	5952 <i>Melaleuca preissiana</i> (Moonah)			
394.	5959 <i>Melaleuca raphiophylla</i> (Swamp Paperbark)			
395.	5964 <i>Melaleuca seriata</i>			
396.	5978 <i>Melaleuca teretifolia</i> (Banbar)			
397.	5980 <i>Melaleuca thymoides</i>			
398.	5984 <i>Melaleuca uncinata</i> (Broom Bush, Kwidjard)			
399.	5987 <i>Melaleuca viminea</i> (Mohan)			
400.	8106 <i>Millotia tenuifolia</i> (Soft Millotia)			
401.	16693 <i>Minuartia mediterranea</i>	Y		
402.	7410 <i>Monopsis debilis</i>	Y		
403.	37440 <i>Monopsis debilis</i> var. <i>depressa</i>	Y		
404.	8117 <i>Myriocephalus helichrysoides</i>			
405.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
406.	6140 <i>Oenothera mollissima</i>	Y		
407.	8143 <i>Olearia paucidentata</i> (Autumn Scrub Daisy)			
408.	36200 <i>Ornduffia submersa</i>		P4	
409.	4343 <i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
410.	4346 <i>Pelargonium littorale</i>			
411.	6006 <i>Pericalymma ellipticum</i> (Swamp Teatree)			
412.	16477 <i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
413.	11020 <i>Persicaria hydropiper</i>			
414.	11052 <i>Persicaria prostrata</i>			
415.	2273 <i>Persoonia saccata</i> (Snottygobble)			
416.	20391 <i>Petrophile juncifolia</i>			
417.	2299 <i>Petrophile linearis</i> (Pixie Mops)			
418.	2308 <i>Petrophile seminuda</i>			
419.	18529 <i>Philothea spicata</i> (Pepper and Salt)			
420.	16177 <i>Phyllangium paradoxum</i>			
421.	4675 <i>Phyllanthus calycinus</i> (False Boronia)			
422.	4141 <i>Phyllota gracilis</i>			
423.	11404 <i>Pimelea imbricata</i> var. <i>major</i>			
424.	11402 <i>Pimelea imbricata</i> var. <i>piligera</i>			
425.	5252 <i>Pimelea lanata</i>			
426.	18353 <i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
427.	6253 <i>Platysace filiformis</i>			
428.	8175 <i>Podolepis gracilis</i> (Slender Podolepis)			
429.	8182 <i>Podotrochea angustifolia</i> (Sticky Longheads)			
430.	8183 <i>Podotrochea chrysantha</i> (Yellow Podotrochea)			
431.	4578 <i>Polygala virgata</i>	Y		
432.	4691 <i>Poranthera microphylla</i> (Small Poranthera)			
433.	<i>Poranthera microphylla</i> /moorokatta			
434.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
435.	4177 <i>Pultenaea ochreatea</i>			
436.	8195 <i>Quinetia urvillei</i>			
437.	6012 <i>Regelia ciliata</i>			
438.	6014 <i>Regelia inops</i>			
439.	13300 <i>Rhodanthe citrina</i>			
440.	13312 <i>Rhodanthe pyrethrum</i>			
441.	7602 <i>Scaevola calliptera</i>			
442.	7613 <i>Scaevola glandulifera</i> (Viscid Hand-flower)			
443.	7619 <i>Scaevola lanceolata</i> (Long-leaved Scaevola)			
444.	7636 <i>Scaevola platyphylla</i> (Broad-leaved Fanflower)			
445.	6263 <i>Schoenolaena juncea</i>			
446.	6033 <i>Scholtzia involucrata</i> (Spiked Scholtzia)			
447.	25878 <i>Senecio condylus</i>			
448.	8203 <i>Senecio diaschides</i>			
449.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
450.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
451.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
452.	2912 <i>Spergula arvensis</i> (Corn Spurry)	Y		
453.	4205 <i>Sphaerolobium linophyllum</i>			
454.	19704 <i>Stenanthemum sublineare</i>		P2	
455.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
456.	18564 <i>Stylidium aceratum</i>		P3	
457.	7684 <i>Stylidium amoenum</i> (Lovely Triggerplant)			
458.	30278 <i>Stylidium androsaceum</i>			
459.	25831 <i>Stylidium araeophyllum</i> (Stilt Walker)			
460.	<i>Stylidium araeophyllum/neurophyllum</i>			
461.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
462.	7712 <i>Stylidium despectum</i> (Dwarf Triggerplant)			
463.	7713 <i>Stylidium dichotomum</i> (Pins-and-needles)			
464.	7717 <i>Stylidium divaricatum</i> (Daddy-long-legs)			
465.	7719 <i>Stylidium ecorne</i> (Foot Triggerplant)			
466.	7721 <i>Stylidium emarginatum</i> (Biddy-four-legs)			
467.	7734 <i>Stylidium guttatum</i> (Dotted Triggerplant)			
468.	7742 <i>Stylidium inundatum</i> (Hundreds and Thousands)			
469.	7756 <i>Stylidium longitubum</i> (Jumping Jacks)		P4	
470.	7768 <i>Stylidium obtusatum</i> (Pinafore Triggerplant)			
471.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
472.	7790 <i>Stylidium roseoalatum</i> (Pink-wing Triggerplant)			
473.	45594 <i>Stylidium tenue</i> subsp. <i>majusculum</i> (Showy Fountain Triggerplant)			
474.	7806 <i>Stylidium utricularioides</i> (Pink Fan Triggerplant)			
475.	48297 <i>Styphelia filifolia</i>		P3	
476.	6476 <i>Styphelia tenuiflora</i> (Common Pinheath)			
477.	37360 <i>Tamarix ramosissima</i>	Y		
478.	48341 <i>Tetratheca hirsuta</i> subsp. <i>viminea</i>			
479.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
480.	44444 <i>Tripterococcus</i> sp. <i>Brachylobus</i> (A.S. George 14234)		P4	
481.	1139 <i>Trithuria bibracteata</i>			
482.	8254 <i>Urospermum picroides</i> (False Hawkbit)	Y		
483.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
484.	7145 <i>Utricularia menziesii</i> (Redcoats)			
485.	7148 <i>Utricularia multifida</i>			
486.	7157 <i>Utricularia violacea</i> (Violet Bladderwort)			
487.	6076 <i>Verticordia densiflora</i> (Compacted Featherflower)			
488.	12411 <i>Verticordia densiflora</i> var. <i>cespitosa</i>			
489.	6077 <i>Verticordia drummondii</i> (Drummond's Featherflower)			
490.	14714 <i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		P4	
491.	6110 <i>Verticordia plumosa</i> (Plumed Featherflower)			
492.	12449 <i>Verticordia plumosa</i> var. <i>brachyphylla</i>			
493.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
494.	7389 <i>Wahlenbergia preissii</i>			
495.	6289 <i>Xanthosia huegelii</i>			
496.	2331 <i>Xylomelum occidentale</i> (Woody Pear, Djandin)			

Fish

497. 34028 *Galaxias occidentalis* (Western Minnow)

Fungus

498. 38756 *Amanita umbrinella*
 499. 38776 *Cortinarius phalarus*
 500. 38780 *Crepidotus eucalyptorum*
 501. 31280 *Lichenomphalia chromacea*
 502. *Nidula emodensis*
 503. 38816 *Omphalotus nidiformis*
 504. *Phytophthora cinnamomi*
 505. 49071 *Picipes badius*
 506. 38826 *Podoserpula pusio*
 507. *Poronia erici*
 508. 45838 *Tilletia ehrhartae*

Gymnosperm

509. 36600 *Callitris pyramidalis* (Swamp Cypress)
 510. 18119 *Macrozamia fraseri*
 511. 85 *Macrozamia riedlei* (*Zamia*, Djiridji)

Hepatic (Liverwort)

512. *Marchantia berteroa*

Invertebrate

513. *Aname mainae*

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
514.	<i>Aname tepperi</i>			
515.	<i>Artonia flavimana</i>			
516.	<i>Artonia linnaei</i>			
517.	<i>Asadipus kunderang</i>			
518.	<i>Cercophonius sulcatus</i>			
519.	33939 <i>Cherax cainii</i> (Marron)			
520.	<i>Cherax destructor</i>			
521.	<i>Cherax preissii</i>			
522.	<i>Cherax quinquecarinatus</i>			
523.	<i>Cherax</i> sp.			
524.	<i>Cormocephalus aurantiipes</i>			
525.	<i>Dingosa serrata</i>			
526.	<i>Henicops dentatus</i>			
527.	<i>Idiommata blackwalli</i>			
528.	48935 <i>Idiosoma sigillatum</i> (Swan Coastal Plain shield-backed trapdoor spider)		P3	
529.	<i>Isopeda leishmanni</i>			
530.	<i>Lampona cylindrata</i>			
531.	<i>Latrodectus hasseltii</i>			
532.	33982 <i>Leioproctus contrarius</i> (a short-tongued bee)		P3	
533.	33983 <i>Leioproctus douglasiellus</i> (a short-tongued bee)		T	
534.	<i>Lycosa ariadnae</i>			
535.	<i>Missulena granulosa</i>			
536.	33984 <i>Neopasiphae simplicior</i> (a short-tongued bee)		T	
537.	<i>Ommatoiulus moreleti</i>			
538.	<i>Ommatoiulus moreletii</i>			
539.	<i>Supunna funerea</i>			
540.	<i>Tasmanicosa leuckartii</i>			
541.	<i>Urodacus novaehollandiae</i>			
542.	<i>Venator immansueta</i>			
543.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
Mammal				
544.	47713 <i>Austronomus australis</i> (White-striped Free-tailed Bat)			
545.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
546.	24041 <i>Felis catus</i> (Cat)	Y		
547.	24215 <i>Hydromys chrysogaster</i> (Water-rat, Rakali)		P4	
548.	48588 <i>Isoodon fusciventer</i> (Quenda, southwestern brown bandicoot)		P4	
549.	24132 <i>Macropus fuliginosus</i> (Western Grey Kangaroo)			
550.	24223 <i>Mus musculus</i> (House Mouse)	Y		
551.	24146 <i>Myrmecobius fasciatus</i> (Numbat, Walpurti)		T	
552.	48022 <i>Notamacropus irma</i> (Western Brush Wallaby)		P4	
553.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
554.	41424 <i>Nyctophilus major</i> (Greater Long-eared Bat)			
555.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
556.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
557.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
558.	24158 <i>Trichosurus vulpecula</i> subsp. <i>vulpecula</i> (Common Brushtail Possum)			
559.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
560.	24040 <i>Vulpes vulpes</i> (Red Fox)	Y		
Monocotyledon				
561.	? <i>Arnocrinum preissii</i>			
562.	? <i>Desmocladius flexuosus</i>			Y
563.	? <i>Haemodorum spicatum</i>			
564.	? <i>Lepidosperma squamatum</i>			Y
565.	? <i>Lepidosperma squamatum</i> s.l.			
566.	? <i>Lomandra sericea</i>			Y
567.	? <i>Microtis media</i>			Y
568.	? <i>Rytidosperma occidentalis</i>			
569.	? <i>Rytidosperma</i> sp.			Y
570.	? <i>Vulpia</i> sp.			Y
571.	1261 <i>Agrostocrinum scabrum</i> (Blue Grass Lily)			
572.	184 <i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
573.	<i>Aira caryophyllea/cupaniana</i> group			
574.	187 <i>Aira praecox</i> (Early Hairgrass)	Y		
575.	13380 <i>Amphibromus nervosus</i>			
576.	20184 <i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
577.	199 <i>Amphipogon strictus</i> (Greybeard Grass)			
578.	200 <i>Amphipogon turbinatus</i>			
579.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
580.	11261 <i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			

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581.	11566 <i>Anigozanthos viridis</i> subsp. <i>viridis</i>			
582.	202 <i>Anthoxanthum odoratum</i> (Sweet Vernal Grass)	Y		
583.	1117 <i>Aphelia cyperoides</i>			
584.	1118 <i>Aphelia drummondii</i>			
585.	17845 <i>Apodasmia ceramophila</i>			
586.	141 <i>Aponogeton hexatepalus</i> (Stalked Water Ribbons)		P4	
587.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
588.	1264 <i>Arnocrinum preissii</i>			
589.	<i>Austrostipa ?compressa</i>			
590.	17234 <i>Austrostipa compressa</i>			
591.	38481 <i>Austrostipa jacobsoniana</i>		T	
592.	231 <i>Avellinia michelii</i>	Y		
593.	233 <i>Avena barbata</i> (Bearded Oat)	Y		
594.	743 <i>Baumea juncea</i> (Bare Twigrush)			
595.	1417 <i>Blancoa canescens</i> (Winter Bell)			
596.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		
597.	245 <i>Briza minor</i> (Shivery Grass)	Y		
598.	<i>Briza</i> sp.			
599.	250 <i>Bromus hordeaceus</i> (Soft Brome)	Y		
600.	1383 <i>Burchardia bairdiae</i>			
601.	12770 <i>Burchardia congesta</i>			
602.	1385 <i>Burchardia multiflora</i> (Dwarf Burchardia)			
603.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
604.	1277 <i>Caesia occidentalis</i>			
605.	<i>Caladenia ?flava</i>			
606.	1586 <i>Caladenia discoidea</i> (Dancing Orchid)			
607.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
608.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
609.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
610.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
611.	1605 <i>Caladenia marginata</i> (White Fairy Orchid)			
612.	15503 <i>Caladenia paludosa</i>			
613.	<i>Caladenia</i> sp.			
614.	15398 <i>Caladenia xantha</i>			
615.	1162 <i>Cartonema philydroides</i>			
616.	1121 <i>Centrolepis aristata</i> (Pointed Centrolepis)			
617.	1125 <i>Centrolepis drummondiana</i>			
618.	1129 <i>Centrolepis glabra</i> (Smooth Centrolepis)			
619.	1132 <i>Centrolepis mutica</i>			
620.	1134 <i>Centrolepis polygyna</i> (Wiry Centrolepis)			
621.	17685 <i>Chaetanthus aristatus</i>			
622.	1280 <i>Chamaescilla corymbosa</i> (Blue Squill)			
623.	11299 <i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>			
624.	763 <i>Chorizandra enodis</i> (Black Bristlerush)			
625.	1418 <i>Conostylis aculeata</i> (Prickly Conostylis)			
626.	11695 <i>Conostylis festucea</i> subsp. <i>festucea</i>			
627.	1436 <i>Conostylis juncea</i>			
628.	1455 <i>Conostylis setosa</i> (White Cottonhead)			
629.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
630.	768 <i>Cyathochaeta avenacea</i>			
631.	40661 <i>Cycnogeton lineare</i>			
632.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
633.	806 <i>Cyperus polystachyos</i> (Bunchy Sedge)			
634.	815 <i>Cyperus tenellus</i> (Tiny Flatsedge)	Y		
635.	10916 <i>Cyrtostylis huegelii</i>			
636.	10942 <i>Cyrtostylis tenuissima</i>			
637.	17692 <i>Cytogonidium leptocarpoides</i>			
638.	1218 <i>Dasyopogon bromeliifolius</i> (Pineapple Bush)			
639.	15831 <i>Desmocladius castaneus</i>			
640.	16595 <i>Desmocladius flexuosus</i>			
641.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
642.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
643.	306 <i>Dichelachne crinita</i> (Longhair Plumegrass)			
644.	1287 <i>Dichopogon capillipes</i>			
645.	17838 <i>Dielsia stenostachya</i>			
646.	19649 <i>Disa bracteata</i>	Y		
647.	11049 <i>Diuris corymbosa</i>			
648.	<i>Diuris corymbosa/magnifica</i>			
649.	42231 <i>Diuris decremента</i>			
650.	1634 <i>Diuris laxiflora</i> (Bee Orchid)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
651.	12939 <i>Diuris magnifica</i>			
652.	1637 <i>Diuris purdiei</i> (Purdie's Donkey Orchid)		T	
653.	1639 <i>Drakaea elastica</i> (Glossy-leaved Hammer Orchid)		T	
654.	13635 <i>Drakaea micrantha</i>		T	
655.	347 <i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
656.	349 <i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
657.	822 <i>Eleocharis acuta</i> (Common Spikerush)			
658.	1645 <i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
659.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
660.	379 <i>Eragrostis elongata</i> (Clustered Lovegrass)			
661.	1646 <i>Eriochilus dilatatus</i> (White Bunny Orchid)			
662.	15410 <i>Eriochilus dilatatus</i> subsp. <i>dilatatus</i>			
663.	15414 <i>Eriochilus helonomos</i>			
664.	15415 <i>Eriochilus scaber</i> subsp. <i>scaber</i>			
665.	835 <i>Evandra pauciflora</i>			
666.	1515 <i>Ferraria crispa</i> (Black Flag)	Y		
667.	894 <i>Fimbristylis velata</i>			
668.	907 <i>Gahnia trifida</i> (Coast Saw-sedge)			
669.	1520 <i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
670.	1524 <i>Gladiolus undulatus</i> (Wild Gladiolus)	Y		
671.	17043 <i>Glyceria declinata</i>	Y		
672.	1470 <i>Haemodorum paniculatum</i> (Mardja)			
673.	1472 <i>Haemodorum simplex</i>			
674.	1475 <i>Haemodorum spicatum</i> (Mardja)			
675.	1293 <i>Hensmania turbinata</i>			
676.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
677.	445 <i>Holcus setiger</i> (Annual Fog)	Y		
678.	452 <i>Hyparrhenia hirta</i> (Tambookie Grass)	Y		
679.	1070 <i>Hypolaena exsulca</i>			
680.	17841 <i>Hypolaena pubescens</i>			
681.	910 <i>Isolepis cernua</i> (Nodding Club-rush)			
682.	917 <i>Isolepis marginata</i> (Coarse Club-rush)			
683.	919 <i>Isolepis oldfieldiana</i>			
684.	924 <i>Isolepis stellata</i> (Star Club-rush)			
685.	19272 <i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		P2	
686.	1177 <i>Juncus articulatus</i> (Jointed Rush)	Y		
687.	1178 <i>Juncus bufonius</i> (Toad Rush)	Y		
688.	1180 <i>Juncus capitatus</i> (Capitate Rush)	Y		
689.	19954 <i>Lachnagrostis aemula</i>			
690.	20019 <i>Lachnagrostis filiformis</i>			
691.	19955 <i>Lachnagrostis plebeia</i>			
692.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
693.	11464 <i>Laxmannia sessiflora</i> subsp. <i>australis</i>			
694.	1309 <i>Laxmannia squarrosa</i>			
695.	925 <i>Lepidosperma angustatum</i>			
696.	937 <i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
697.	940 <i>Lepidosperma pubisquamium</i>			
698.	41649 <i>Lepidosperma rigidulum</i>			
699.	942 <i>Lepidosperma rostratum</i>		T	
700.	<i>Lepidosperma</i> sp.			
701.	<i>Lepidosperma</i> sp. Brixton Street			Y
702.	<i>Lepidosperma</i> sp. Brixton Street broad inflorescence			
703.	<i>Lepidosperma</i> sp. Darling Scarp			
704.	945 <i>Lepidosperma squamatum</i>			
705.	<i>Lepidosperma squamatum</i> s.l.			
706.	1653 <i>Leporella fimbriata</i> (Hare Orchid)			
707.	1077 <i>Leptocarpus canus</i> (Hoary Twine-rush)			
708.	1078 <i>Leptocarpus coangustatus</i>			
709.	46375 <i>Leptocarpus decipiens</i>			
710.	19833 <i>Leptocarpus laxus</i>			
711.	46382 <i>Leptocarpus roycei</i>			
712.	478 <i>Lolium rigidum</i> (Wimmera Ryegrass)	Y		
713.	<i>Lolium</i> sp.			
714.	<i>Lomandra ?caespitosa</i>			
715.	1223 <i>Lomandra caespitosa</i> (Tufted Mat Rush)			
716.	1228 <i>Lomandra hermaphrodita</i>			
717.	1232 <i>Lomandra micrantha</i> (Small-flower Mat-rush)			
718.	1234 <i>Lomandra nigricans</i>			
719.	1239 <i>Lomandra preissii</i>			
720.	1243 <i>Lomandra sericea</i> (Silky Mat Rush)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
721.	<i>Lomandra</i> sp.			
722.	1246 <i>Lomandra suaveolens</i>			
723.	1097 <i>Lyginia barbata</i>			
724.	<i>Lyginia barbata</i> /imberbis			
725.	18049 <i>Lyginia imberbis</i>			
726.	953 <i>Mesomelaena graciliceps</i>			
727.	485 <i>Microlaena stipoides</i> (Weeping Grass)			
728.	1658 <i>Microtis atrata</i> (Swamp Mignonette Orchid)			
729.	10954 <i>Microtis media</i> (Tall Mignonette Orchid)			
730.	15419 <i>Microtis media</i> subsp. <i>media</i>			
731.	19179 <i>Moraea flaccida</i> (One-leaf Cape Tulip)	Y		
732.	492 <i>Neurachne alopecuroidea</i> (Foxtail Mulga Grass)			
733.	<i>Orchidaceae</i> sp.			Y
734.	502 <i>Panicum capillare</i> (Witchgrass)	Y		
735.	1550 <i>Patersonia occidentalis</i> (Purple Flag, Koma)			
736.	30472 <i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
737.	1172 <i>Philydrella drummondii</i>			
738.	14306 <i>Philydrella pygmaea</i> subsp. <i>pygmaea</i>			
739.	1478 <i>Phlebocarya ciliata</i>			
740.	1479 <i>Phlebocarya filifolia</i>			
741.	583 <i>Polypogon tenellus</i>			
742.	1670 <i>Prasophyllum drummondii</i> (Swamp Leek Orchid)			
743.	1673 <i>Prasophyllum gibbosum</i> (Humped Leek Orchid)			
744.	1674 <i>Prasophyllum giganteum</i> (Bronze Leek Orchid)			
745.	1676 <i>Prasophyllum hians</i> (Yawning Leek Orchid)			
746.	1680 <i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
747.	1681 <i>Prasophyllum regium</i> (King Leek Orchid)			
748.	<i>Pterostylis</i> aff. <i>nana</i>			
749.	17267 <i>Pterostylis brevisepala</i>			
750.	48677 <i>Pterostylis ectypha</i>			
751.	44723 <i>Pterostylis glebosa</i>			
752.	<i>Pterostylis nana</i> "short sepal"			
753.	48674 <i>Pterostylis orbiculata</i>			
754.	1693 <i>Pterostylis recurva</i> (Jug Orchid)			
755.	12217 <i>Pterostylis sanguinea</i>			
756.	<i>Pterostylis</i> sp.			
757.	18655 <i>Pterostylis</i> sp. crinkled leaf (G.J. Keighery 13426)			
758.	1698 <i>Pterostylis vittata</i> (Banded Greenhood)			
759.	16367 <i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
760.	1556 <i>Romulea rosea</i> (Guildford Grass)	Y		
761.	40426 <i>Rytidosperma occidentale</i>			
762.	973 <i>Schoenus asperocarpus</i> (Poison Sedge)			
763.	974 <i>Schoenus benthamii</i>		P3	
764.	980 <i>Schoenus capillifolius</i>		P3	
765.	983 <i>Schoenus cruentus</i>			
766.	984 <i>Schoenus curvifolius</i>			
767.	986 <i>Schoenus efoliatus</i>			
768.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
769.	1006 <i>Schoenus odontocarpus</i>			
770.	1008 <i>Schoenus pennisetis</i>		P3	
771.	17614 <i>Schoenus plumosus</i>			
772.	1011 <i>Schoenus rigens</i>			
773.	1018 <i>Schoenus subfascicularis</i>			
774.	1023 <i>Schoenus tenellus</i>			
775.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
776.	1560 <i>Sparaxis pillansii</i> (Harlequin Flower)	Y		
777.	1260 <i>Stypandra glauca</i> (Blind Grass)			
778.	1036 <i>Tetragia octandra</i>			
779.	<i>Thelymitra</i> ?graminea			Y
780.	11143 <i>Thelymitra graminea</i>			
781.	20731 <i>Thelymitra vulgaris</i>			
782.	20728 <i>Thelymitra xanthotricha</i>			
783.	<i>Thysanotus</i> ?thyrsoides			
784.	1317 <i>Thysanotus anceps</i>		P3	
785.	1318 <i>Thysanotus arbuscula</i>			
786.	1334 <i>Thysanotus glaucus</i>		P4	
787.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
788.	<i>Thysanotus manglesianus/patersonii</i> complex			
789.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
790.	1351 <i>Thysanotus sparteus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
791.	1354	<i>Thysanotus tenellus</i>		
792.	1357	<i>Thysanotus thyrsoideus</i>		
793.	1358	<i>Thysanotus triandrus</i>		
794.	17684	<i>Tremulina tremula</i>		
795.	1481	<i>Tribonanthes australis</i> (Southern Tiurndin)		
796.	1483	<i>Tribonanthes longipetala</i> (Branching Tiurndin)		
797.	1485	<i>Tribonanthes violacea</i> (Violet Tiurndin)		
798.	1361	<i>Tricoryne elatior</i> (Yellow Autumn Lily)		
799.	1363	<i>Tricoryne tenella</i>		
800.	33676	<i>Triglochin calcitrapa</i>		
801.	148	<i>Triglochin muelleri</i>		
802.	18587	<i>Triglochin nana</i>		
803.		<i>Triglochin</i> sp. FL-3 (possibly <i>T. nana</i>)		Y
804.	722	<i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y	
805.	724	<i>Vulpia myuros</i> (Rat's Tail Fescue)	Y	
806.	18108	<i>Watsonia meriana</i> var. <i>bulbillifera</i>	Y	
807.	1569	<i>Watsonia versfeldii</i>	Y	
808.	1256	<i>Xanthorrhoea preissii</i> (Grass tree, Palga)		
809.		<i>Xanthorrhoea</i> sp.		
810.	1049	<i>Zantedeschia aethiopica</i> (Arum Lily)	Y	

Pteridophyte (Fern)

811.	42902	<i>Azolla rubra</i>		
812.	17	<i>Ophioglossum lusitanicum</i> (Adders Tongue)		
813.	4	<i>Phylloglossum drummondii</i> (Pigmy Clubmoss)		
814.	6	<i>Selaginella gracillima</i> (Tiny Clubmoss)		

Reptile

815.	25242	<i>Acanthophis antarcticus</i> (Southern Death Adder)		P3
816.	42368	<i>Acritoscincus trilineatus</i> (Western Three-lined Skink)		
817.	44629	<i>Anilius australis</i>		
818.	43380	<i>Chelodina colliei</i> (South-western Snake-necked Turtle)		
819.	24980	<i>Christinus marmoratus</i> (Marbled Gecko)		
820.	30893	<i>Cryptoblepharus buchananii</i>		
821.	25020	<i>Cryptoblepharus plagiocephalus</i>		
822.	30899	<i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)		
823.	25027	<i>Ctenotus australis</i>		
824.	25039	<i>Ctenotus fallens</i>		
825.	25766	<i>Delma fraseri</i> (Fraser's Legless Lizard)		
826.	24999	<i>Delma grayii</i>		
827.	25296	<i>Demansia psammophis</i> subsp. <i>reticulata</i> (Yellow-faced Whipsnake)		
828.	25096	<i>Egernia kingii</i> (King's Skink)		
829.	25100	<i>Egernia napoleonis</i>		
830.	25250	<i>Elapognathus coronatus</i> (Crowned Snake)		
831.	25119	<i>Hemiergis quadrilineata</i>		
832.	25131	<i>Lerista distinguenda</i>		
833.	25133	<i>Lerista elegans</i>		
834.	25147	<i>Lerista lineata</i> (Perth Slider, Lined Skink)		P3
835.	25005	<i>Lialis burtonis</i>		
836.	25184	<i>Menetia greyii</i>		
837.	25240	<i>Morelia spilota</i> subsp. <i>imbricata</i> (Carpet Python)		
838.	25191	<i>Morethia lineocellata</i>		
839.	25192	<i>Morethia obscura</i>		
840.	25249	<i>Neelaps calonotos</i> (Black-striped Snake, black-striped burrowing snake)		P3
841.	25252	<i>Notechis scutatus</i> (Tiger Snake)		
842.	25253	<i>Parasuta gouldii</i>		
843.	25509	<i>Pletholax gracilis</i> (Keeled Legless Lizard)		
844.	25510	<i>Pogona minor</i> (Dwarf Bearded Dragon)		
845.	24907	<i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)		
846.	25511	<i>Pseudonaja affinis</i> (Dugite)		
847.	25259	<i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)		
848.	42416	<i>Pseudonaja mengdeni</i> (Western Brown Snake)		
849.	25203	<i>Tiliqua occipitalis</i> (Western Bluetongue)		
850.	25519	<i>Tiliqua rugosa</i>		
851.	25218	<i>Varanus gouldii</i> (Bungarra or Sand Monitor)		
852.	25225	<i>Varanus rosenbergi</i> (Heath Monitor)		

Slime Mould

853.	44709	<i>Arcyria major</i>		Y
854.	38984	<i>Collaria arcyrionema</i>		
855.	39002	<i>Cribraria microcarpa</i>		
856.	39003	<i>Cribraria minutissima</i>		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
857.	39029 <i>Echinostelium minutum</i>			
858.	39030 <i>Enerthenema papillatum</i>			
859.	39041 <i>Licea kleistobolus</i>			
860.	40882 <i>Stemonitopsis hyperopta</i>			
861.	39097 <i>Trichia decipiens</i>			

Conservation Codes

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

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

Appendix 2: Protected Matters Search Tool Report

EPBC Act Protected Matters Report

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

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

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

Report created: 08/04/21 11:14:01

[Summary](#)

[Details](#)

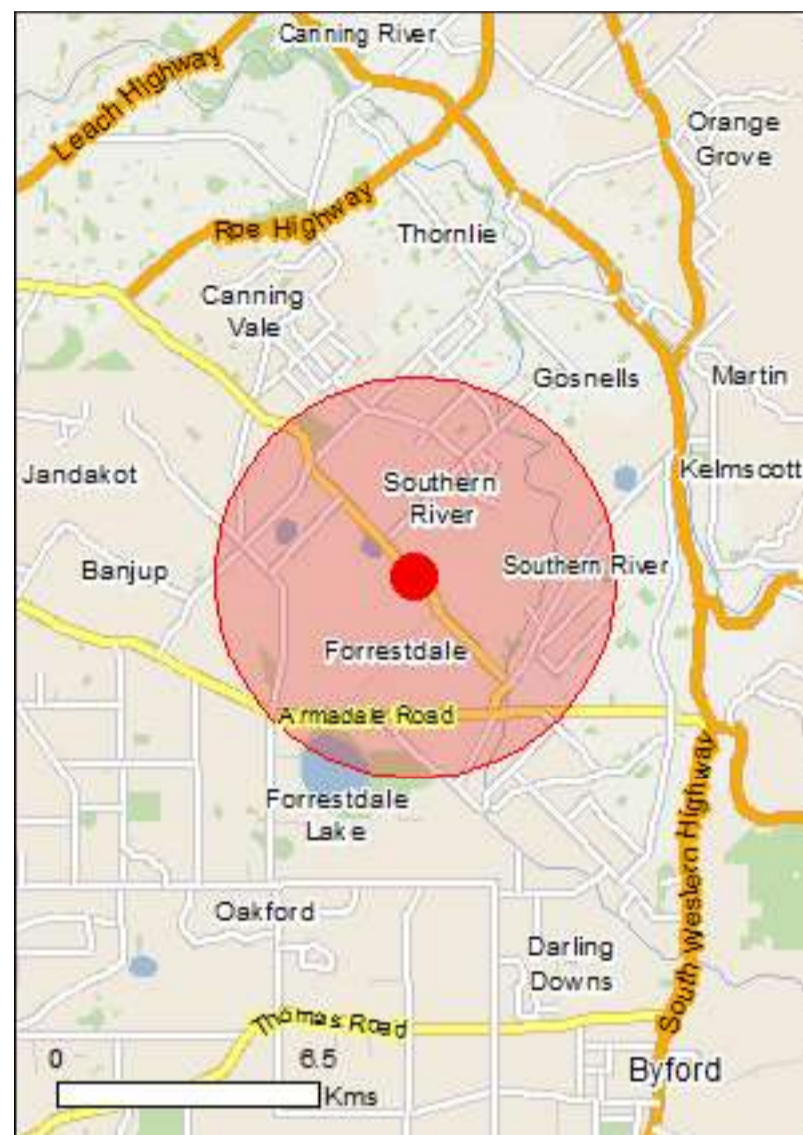
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



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[Coordinates](#)

[Buffer: 5.0Km](#)



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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	3
Listed Threatened Species:	32
Listed Migratory Species:	19

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.

Commonwealth Land:	1
Commonwealth Heritage Places:	None
Listed Marine Species:	28
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

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

State and Territory Reserves:	4
Regional Forest Agreements:	None
Invasive Species:	41
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Wetlands of International Importance (Ramsar)

[[Resource Information](#)]

Name	Proximity
Forrestdale and thomsons lakes	Within Ramsar site

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
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area
Clay Pans of the Swan Coastal Plain	Critically Endangered	Community likely to occur within area
Tuart (<i>Eucalyptus gomphocephala</i>) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community may occur within area

Listed Threatened Species

[[Resource Information](#)]

Name	Status	Type of Presence
Birds		
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat known to occur within area
Calyptorhynchus baudinii Baudin's Cockatoo, Long-billed Black-Cockatoo [769]	Endangered	Roosting known to occur within area
Calyptorhynchus latirostris Carnaby's Cockatoo, Short-billed Black-Cockatoo [59523]	Endangered	Species or species habitat known to occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat known to occur within area

Insects

A native bee [66821]	Critically Endangered	Species or species habitat likely to occur within area
Mammals		
Bettongia penicillata ogilbyi Woylie [66844]	Endangered	Species or species habitat may occur within area
Dasyurus geoffroi Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Species or species habitat may occur within area
Setonix brachyurus Quokka [229]	Vulnerable	Species or species habitat may occur within area
Other		
Westralunio carteri Carter's Freshwater Mussel, Freshwater Mussel [86266]	Vulnerable	Species or species habitat known to occur within area
Plants		
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat may occur within area
Austrostipa jacobiana [87809]	Critically Endangered	Species or species habitat known to occur within area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat known to occur within area
Diuris drummondii Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat likely to occur within area
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area
Diuris purdiei Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat known to occur within area
Drakaea elastica Glossy-leaved Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat known to occur within area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat known to occur within area
Eucalyptus x balanites Cadda Road Mallee, Cadda Mallee [87816]	Endangered	Species or species habitat likely to occur within area
Goodenia arthrotricha		

[Synaphea sp. Fairbridge Farm \(D. Papenfus 696\)](#)

Selena's Synaphea [82881]

Critically Endangered

Species or species habitat likely to occur within area

[Synaphea sp. Pinjarra Plain \(A.S. George 17182\)](#)

[86878]

Endangered

Species or species habitat may occur within area

[Synaphea sp. Serpentine \(G.R. Brand 103\)](#)

[86879]

Critically Endangered

Species or species habitat may occur within area

[Thelymitra stellata](#)

Star Sun-orchid [7060]

Endangered

Species or species habitat likely to occur within area

Listed Migratory Species

[\[Resource Information \]](#)

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

Name

Threatened

Type of Presence

Migratory Marine Birds

[Apus pacificus](#)

Fork-tailed Swift [678]

Species or species habitat likely to occur within area

Migratory Terrestrial Species

[Motacilla cinerea](#)

Grey Wagtail [642]

Species or species habitat may occur within area

Migratory Wetlands Species

[Actitis hypoleucos](#)

Common Sandpiper [59309]

Species or species habitat known to occur within area

[Calidris acuminata](#)

Sharp-tailed Sandpiper [874]

Roosting known to occur within area

[Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat known to occur within area

[Calidris melanotos](#)

Pectoral Sandpiper [858]

Species or species habitat known to occur within area

[Calidris ruficollis](#)

Red-necked Stint [860]

Roosting known to occur within area

[Calidris subminuta](#)

Long-toed Stint [861]

Roosting known to occur within area

[Charadrius dubius](#)

Little Ringed Plover [896]

Roosting known to occur within area

[Gallinago megala](#)

Swinhoe's Snipe [864]

Roosting likely to occur within area

[Gallinago stenura](#)

Pin-tailed Snipe [841]

Roosting likely to occur within area

[Pandion haliaetus](#)

Osprey [952]

Species or species habitat known to occur within area

[Philomachus pugnax](#)

Ruff (Reeve) [850]

Roosting known to occur within area

[Tringa glareola](#)

Wood Sandpiper [829]

Roosting known to occur within area

[Tringa nebularia](#)

Common Greenshank, Greenshank [832]

Species or species habitat known to occur within area

[Tringa stagnatilis](#)

Marsh Sandpiper, Little Greenshank [833]

Roosting 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

Birds

[Actitis hypoleucos](#)

Common Sandpiper [59309]

Species or species habitat known to occur within area

[Apus pacificus](#)

Fork-tailed Swift [678]

Species or species habitat likely to occur within area

[Ardea alba](#)

Great Egret, White Egret [59541]

Breeding known to occur within area

[Ardea ibis](#)

Cattle Egret [59542]

Species or species habitat may occur within area

[Calidris acuminata](#)

Sharp-tailed Sandpiper [874]

Roosting known to occur within area

[Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat known to occur within area

[Calidris melanotos](#)

Pectoral Sandpiper [858]

Species or species habitat known to occur within area

[Calidris ruficollis](#)

Red-necked Stint [860]

Roosting known to occur within area

Gallinago megala Swinhoe's Snipe [864]		within area
Gallinago stenura Pin-tailed Snipe [841]		Roosting likely to occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Roosting likely to occur within area
Himantopus himantopus Pied Stilt, Black-winged Stilt [870]		Species or species habitat known to occur within area
Limosa limosa Black-tailed Godwit [845]		Roosting known to occur within area
Merops ornatus Rainbow Bee-eater [670]		Roosting known to occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Numenius minutus Little Curlew, Little Whimbrel [848]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Roosting likely to occur within area
Philomachus pugnax Ruff (Reeve) [850]		Species or species habitat known to occur within area
Recurvirostra novaehollandiae Red-necked Avocet [871]		Roosting known to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Roosting known to occur within area
Thinornis rubricollis Hooded Plover [59510]		Species or species habitat likely to occur within area
Tringa glareola Wood Sandpiper [829]		Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Roosting known to occur within area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Species or species habitat known to occur within area
		Roosting known to occur within area

Extra Information

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

Name	State
Balannup Lake	WA
Forrestdale Lake	WA
Piara	WA
Unnamed WA49299	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
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Streptopelia senegalensis Laughing Turtle-dove, Laughing Dove [781]		Species or species habitat likely to occur within area
Sturnus vulgaris		

Bos taurus Domestic Cattle [16]	Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]	Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]	Species or species habitat likely to occur within area
Funambulus 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
Vulpes vulpes Red Fox, Fox [18]	Species or species habitat likely to occur within area

Plants

Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]	Species or species habitat likely to occur within area
Asparagus aethiopicus Asparagus Fern, Ground Asparagus, Basket Fern, Sprengi's Fern, Bushy Asparagus, Emerald Asparagus [62425]	Species or species habitat likely to occur within area
Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]	Species or species habitat likely to occur within area
Asparagus plumosus Climbing Asparagus-fern [48993]	Species or species habitat likely to occur within area
Brachiaria mutica Para Grass [5879]	Species or species habitat may occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]	Species or species habitat may occur within area
Chrysanthemoides monilifera Ritou Bush, Boneseed [18083]	Species or species habitat

Genista monspessulana Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom [20126]	Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana Broom [67538]	Species or species habitat may occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large- leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]	Species or species habitat likely to occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]	Species or species habitat likely to occur within area
Olea europaea Olive, Common Olive [9160]	Species or species habitat may occur within area
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]	Species or species habitat may occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]	Species or species habitat likely to occur within area
Sagittaria platyphylla Delta Arrowhead, Arrowhead, Slender Arrowhead [68483]	Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and 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
Solanum elaeagnifolium Silver Nightshade, Silver-leaved Nightshade, White Horse Nettle, Silver-leaf Nightshade, Tomato Weed, White Nightshade, Bull-nettle, Prairie-berry, Satansbos, Silver-leaf Bitter-apple, Silverleaf-nettle, Trompillo [12323]	Species or species habitat likely to occur within area
Tamarix aphylla Athel Pine, Athel Tree, Tamarisk, Athel Tamarisk, Athel Tamarix, Desert Tamarisk, Flowering Cypress, Salt Cedar [16018]	Species or species habitat likely to occur within area
Reptiles	
Hemidactylus frenatus Asian House Gecko [1708]	Species or species habitat likely to occur within area

Nationally Important Wetlands

[[Resource Information](#)]

Name

State

[Gibbs Road Swamp System](#)

WA

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

-32.12155 115.95455

- [-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 status so that consideration can be given to their declaration as threatened fauna or

Conservation Code	Name	Description
		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, 2019)

Commonwealth

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

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

Appendix 4: Flora Species List

Family	Species	Common Name
Fabaceae	<i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i>	
Fabaceae	<i>Acacia saligna</i>	Orange Wattle
Fabaceae	<i>Acacia stenoptera</i>	Narrow Winged Wattle
Asparagaceae	<i>Agave americana</i> *	Century Plant
Myrtaceae	<i>Astartea scoparia</i>	Common Astartea
Proteaceae	<i>Banksia menziesii</i>	Firewood Banksia
Myrtaceae	<i>Calytrix fraseri</i>	Pink Summer Calytrix
Cupressaceae	<i>Callitris pyramidalis</i>	Swamp Cypress
Aizoaceae	<i>Carpobrotus edulis</i> *	Hottentot Fig
Cucurbitaceae	<i>Citrullus amarus</i> *	
Poaceae	<i>Cynodon dactylon</i> *	Couch
Asteraceae	<i>Dittrichia graveolens</i> *	Stinkwort
Chenopodiaceae	<i>Dysphania ambrosioides</i> *	Mexican Tea
Poaceae	<i>Ehrharta calycina</i> *	Perennial Veldt Grass
Poaceae	<i>Eragrostis curvula</i> *	African Lovegrass
Asteraceae	<i>Erigeron bonariensis</i> *	
Geraniaceae	<i>Erodium botrys</i> *	Long Storksbill
Myrtaceae	<i>Eucalyptus todtiana</i>	Pricklybark
Apocynaceae	<i>Gomphocarpus fruticosus</i> * (Declared Pest)	Narrowleaf Cottonbush
Proteaceae	<i>Hakea ceratophylla</i>	Horned Leaf Hakea
Proteaceae	<i>Hakea varia</i>	Variable-leaved Hakea
Fabaceae	<i>Jacksonia furcellata</i>	Grey Stinkwood
Fabaceae	<i>Jacksonia gracillima</i> (P3)	
Fabaceae	<i>Jacksonia sternbergiana</i>	Stinkwood
Fabaceae	<i>Kennedia prostrata</i>	Scarlet Runner
Myrtaceae	<i>Kunzea glabrescens</i>	Spearwood
Restionaceae	<i>Leptocarpus canus</i>	Hoary Twine-rush
Cyperaceae	<i>Lepidosperma longitudinale</i>	Pithy Sword-sedge
Myrtaceae	<i>Leptospermum laevigatum</i> *	Coast Teatree
Anarthriaceae	<i>Lyginia imberbis</i>	

Family	Species	Common Name
Myrtaceae	<i>Melaleuca lateralis</i>	
Myrtaceae	<i>Melaleuca preissiana</i>	Moonah
Myrtaceae	<i>Melaleuca teretifolia</i>	Banbar
Cyperaceae	<i>Mesomelaena tetragona</i>	Semaphore Sedge
Onagraceae	<i>Oenothera drummondii*</i>	Beach Evening Primrose
Iridaceae	<i>Patersonia occidentalis</i>	Purple Flag
Geraniaceae	<i>Pelargonium capitatum*</i>	Rose Pelargonium
Myrtaceae	<i>Regelia ciliata</i>	
Solanaceae	<i>Solanum nigrum*</i>	Black Berry Nightshade
Poaceae	<i>Stenotaphrum secundatum*</i>	Buffalo Grass
Proteaceae	<i>Stirlingia latifolia</i>	Blueboy
Proteaceae	<i>Synaphea</i> sp. Udumung	
Asparagaceae	<i>Thysanotus sparteus</i>	
Asphodelaceae	<i>Trachyandra divaricata*</i>	
Hemerocallidaceae	<i>Tricoryne elatior</i>	Yellow Autumn Lily
Xanthorrhoeaceae	<i>Xanthorrhoea brunonis</i>	
Xanthorrhoeaceae	<i>Xanthorrhoea preissii</i>	Grass Tree