

JANDAKOT ROAD PRECINCT

FLORA AND VEGETATION SURVEY

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The logo for PGV Environmental is located in the bottom right corner of the page. It features the letters 'PGV' in a large, bold, white sans-serif font. Below 'PGV', the word 'ENVIRONMENTAL' is written in a smaller, white, all-caps sans-serif font. The background of the logo area is a vibrant orange with a subtle pattern of fine, white, curved lines that create a sense of movement and depth.

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1 INTRODUCTION

1.1 Background

The Jandakot Road Precinct consists of a large number of small rural lots located between Jandakot Road and Jandakot Airport in the City of Cockburn (Figure 1).

To assist the landowners to understand the environmental features of the Precinct that need to be considered in any future proposed change of land use PGV Environmental was commissioned to undertake a flora and vegetation survey of the area. The survey area (the site) consists of 34 lots bounded by Jandakot Road to the south, Industrial land to the west, Jandakot Airport to the north and Cessna Drive to the east (Figure 2).

1.2 Scope of Works

A Detailed Flora and Vegetation Survey was undertaken in accordance with EPA Technical Guidance *Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016). The survey included the following:

- Desktop search and review of the Department of Biodiversity, Conservation and Attractions (DBCA) Threatened and Priority flora Databases;
- A search of the Naturemap website (DBCA, 2020);
- A search of the Commonwealth Government's Protected Matters Search Tool (DAWE, 2020) to identify species potentially occurring within the area that are protected under the *Environment Protection and Biodiversity Conservation (EPBC) Act 1999*;
- Examination of historic and recent aerial photography and contour and soil maps to provisionally identify vegetation types and condition;
- Field survey using quadrats to record native and introduced species as well as a thorough site walkover of any areas of native vegetation;
- Recording of any significant plant species using a hand-held GPS;
- Description and mapping of vegetation types and vegetation condition; and
- Compilation of a flora list.

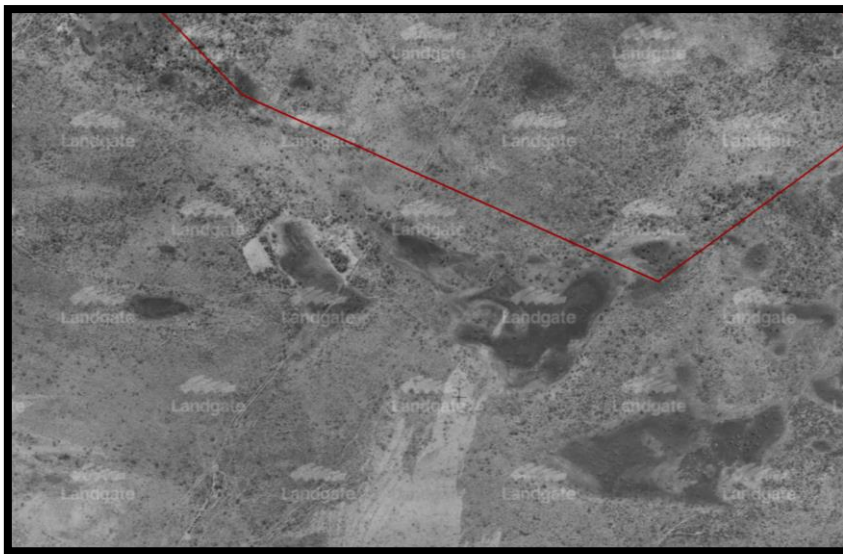
2 EXISTING ENVIRONMENT

2.1 Land Use

The site is currently developed as 'Special Rural' lots and is zoned as 'Rural – water protection' under the Metropolitan Region Scheme (MRS). The site is zoned 'Resource' under the City of Cockburn Local Planning Scheme No. 3 (WAPC, 2002).

The earliest available historic aerial photograph on-line (Landgate, 2020) shows that the site was partially cleared in 1953 (Plate 1).

Plate 1: Aerial Photograph 1965 (Landgate, 2020)



Aerial photography from 1963 shows more clearing has occurred for agricultural purposes (Landgate, 2020). Clearing continued to 1977 (Plate 2).

Plate 2: Aerial Photograph 1977 (Landgate, 2020)



In aerial photography from 1981 the western half of the site has been developed for special rural lots, with some vegetation retention on most lots (Plate 3) (Landgate, 2020).

Plate 3: Aerial Photograph 1989 (Landgate, 2020)



The special rural lots in the eastern half of the site remainder of the development were established between 1985 and 1995 (Plate 4) (Landgate, 2020).

Plate 4: Aerial Photograph 1995 (Landgate, 2020)



2.2 Topography

The site is gently undulating from a low of 28m Australian Height Datum(AHD) in the eastern part to 42m AHD along the western boundary (Figure 2).

2.3 Geology and Soils

2.3.1 Geology

The site is mapped as part of the Bassendean System, the oldest of the three dune systems on the Swan Coastal Plain (Bolland, 1998). The Bassendean System consists of very low relief, leached, grey siliceous Pleistocene sand dunes, intervening sandy and clayey swamps and gently undulating plains.

These occur immediately west of, and partly overlie, the Pinjarra Plain. These soils are very leached, infertile and mildly acidic (DPIRD, 2020).

2.3.2 Soils

The soils on the site have been described by the Department of Primary Industry and Regional Development (DPIRD) as:

- Bassendean B1 Phase (212Bs_B1) which are described as deep bleached grey sands sometimes with a pale yellow B horizon or a weak iron-organic hardpan at depths generally greater than 2m. These soils occur on extremely low to very low relief dunes, undulating sandplain and discrete sand rises;
- Bassendean B2 Phase (212Bs_B2) which are located on 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 1-2m;
- Bassendean B3 Phase (212Bs_B3) mapped on it which are closed depressions and poorly defined stream channels. The soils are poorly to very poorly drained moderately deep, bleached sands with an iron-organic pan, or clay subsoil and surfaces are dark grey sand or sandy loam; and
- Bassendean B4 Phase (212Bs_B4) which is located on broad poorly drained sandplain. The soils are described as 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 (DPIRD, 2020).

2.4 Hydrology

Groundwater is at approximately 24 to 26m AHD, which is 2 to 18m below the surface level, and generally flows to the west (DWER, 2020). Surface water is likely to be limited to the wetland areas. There are five wetlands on the site (National Map, 2020) as outlined in Table 1.

Table 1: Wetlands on the Site

Wetland Number	Management Category	Wetland Type	Completely/Partially in the site
6778	Conservation	Dampland	Partially
6881	Resource Enhancement	Sumpland	Partially (about half)
6780	Multiple Use ¹	Dampland	Mostly
6781	Resource Enhancement	Dampland	Partially
6880	Multiple Use	Dampland	Completely

¹ – Changed to Multiple Use by DBCA Wetlands Program on 5 May 2020 but still mapped as Resource Enhancement on the geomorphic wetland mapping website.

3 METHODOLOGY

3.1 Database Searches

Searches of the following databases were undertaken for a 10km radius around the central point of the site prior to the site survey:

- Department of Biodiversity, Conservation and Attractions (DBCA) Declared Rare and Priority Flora database and Threatened Ecological Communities database (Appendix 1);
- DBCA Naturemap Database (DBCA, 2020) (Appendix 2); and
- The Commonwealth Government's Protected Matters Search Tool to identify species potentially occurring within the area that are protected under the *Environment Protection and Biodiversity Conservation (EPBC) Act 1999* (DAWE, 2020). A radius of 5km was used for this database (Appendix 3).

Other available information was also researched to determine any additional studies that had been completed on or near the site.

3.2 Site Survey

A flora and vegetation survey of the site was conducted by Dr Paul van der Moezel of PGV Environmental on 24 and 25 September 2020 and 16 October.

Most of the site was thoroughly walked to record all species in the survey area. Information on flora composition and vegetation structure was recorded in 10m x 10m non-permanent quadrats in representative vegetation types. Access was not possible on several lots. In addition, lots without any native vegetation or no intact native vegetation were sometimes observed from a neighbouring property rather than requiring direct access onto the lot.

Areas of intact native vegetation in good condition or better were walked along a series of 20m traverses to identify any of the smaller flowered species, particularly Threatened orchids, that could occur on the site.

Most plant species were identified in the field. Some specimens were photographed or taken for identification at the Perth Reference Herbarium or office using standard reference guides.

3.3 Survey Conditions

The conditions that the survey was undertaken in are presented in Table 2 in order to assess the adequacy of the survey. In summary, there were no constraints to the survey.

Table 2: Statement of Botanical Survey Conditions

Issue	Constraints (Y/N)*	Comment
Competency/experience of the consultant conducting the survey	No	Dr Paul van der Moezel has extensive botanical survey experience in the Perth Metropolitan Region.
Proportion of the flora identified^	No	The timing of the survey in late September was optimal to identify most flora species on the site including all potential Threatened and Priority Flora. No follow-up survey required.
Sources of information (historic/recent or new data)	No	The flora in the Perth Metropolitan Region is well documented.
Proportion of the task achieved and further work that may need to be undertaken	No	No follow-up survey required as no Threatened Flora expected to occur in other seasons.
Timing/weather/season/cycle	No	The spring survey was optimal for most flora species. 2020 was a good year for ephemeral species, including orchids.
Disturbances (Fire)	No	The fire age of the vegetation was mostly greater than 5 years apart from one small area on Lot 4 Coonadoo Court.
Intensity of survey (e.g. In retrospect was the intensity adequate)	No	The time spent on the site and ease of access made for a full coverage.
Completeness (e.g. was relevant area fully surveyed)	No	
Resources (e.g. degree of expertise available for plant identification)	No	Experienced botanist undertook most plant identifications on site.
Remoteness and/or access problems	No	Easily accessible site in the Perth Metropolitan Region.
Availability of contextual (e.g. bioregional) information for the study area.	No	Bush Forever

*Constraints have been rated as Significant, Moderate or No constraints

^Fungi and nonvascular flora (e.g. algae, mosses and liverworts) were not specifically surveyed for during the survey.

4 RESULTS

4.1 Flora Database Searches

The search of the DBCA Threatened Flora Databases: the WA Herbarium database (WAHerb), the Threatened (Declared Rare) and Priority Flora Species List (TFPL) (Appendix 1) and Naturemap (Appendix 2) indicates that a number of species that are listed as Endangered, Threatened or Priority have been recorded within a 10km radius of the site. The EPBC Act Protected Matters Search Tool (Appendix 3) identifies species listed under the EPBC Act as potentially having habitat in the area. The results from these database searches are shown in Table 3. None of the species has been recorded from the survey area.

Table 4 lists the likelihood that any of these species could occur on the site based on the soil types and vegetation condition. Species of fungi have been excluded as fungi were not included in the survey.

Table 3: Conservation Significant Flora Identified in Database Searches

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Austrostipa jacobiana</i>		Schedule 1	Critically Endangered
<i>Caladenia huegelii</i>	King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid	Schedule 1	Endangered
<i>Drakaea elastica</i>	Glossy-leafed Hammer Orchid	Schedule 1	Endangered
<i>Synaphea</i> sp. Fairbridge Farm (D Papenfus 696)	Selena's Synaphea	Schedule 1	Critically Endangered
<i>Thelymitra dedmaniarum</i>	Cinnamon Sun-orchid	Schedule 1	Endangered
<i>Diuris purdiei</i>	Purdie's Donkey-orchid	Schedule 2	Endangered
<i>Drakaea micrantha</i>	Dwarf Hammer-orchid	Schedule 2	Vulnerable
<i>Eremophila glabra</i> subsp. <i>chlorella</i>		Schedule 2	Endangered
<i>Lepidosperma rostratum</i>	Beaked Lepidosperma	Schedule 2	Endangered
<i>Andersonia gracilis</i>	Slender Andersonia	Schedule 3	Endangered
<i>Diuris drummondii</i>	Tall Donkey Orchid	Schedule 3	Vulnerable
<i>Diuris micrantha</i>	Dwarf Bee-orchid	Schedule 3	Vulnerable
<i>Eleocharis keigheryi</i>	Keighery's Eleocharis	Schedule 3	Vulnerable
<i>Acacia lasiocarpa</i> var. <i>bracteolata</i> long peduncle variant (G.J. Keighery 5026)		Priority 1	
<i>Hydrocotyle striata</i>		Priority 1	
<i>Acacia benthamii</i>		Priority 2	
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Priority 2	
<i>Poranthera moorokatta</i>		Priority 2	
<i>Stenanthemum sublineare</i>		Priority 2	
<i>Thelymitra variegata</i>	Queen of Sheba	Priority 2	

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Thysanotus</i> sp. Badgingarra (E.A. Griffin 2511)		Priority 2	
<i>Angianthus micropodioides</i>		Priority 3	
<i>Byblis gigantea</i>	Rainbow Plant	Priority 3	
<i>Cyathochaeta teretifolia</i>		Priority 3	
<i>Dampiera triloba</i>		Priority 3	
<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		Priority 3	
<i>Jacksonia gracillima</i>		Priority 3	
<i>Meionectes tenuifolia</i>		Priority 3	
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		Priority 3	
<i>Pimelea calcicola</i>		Priority 3	
<i>Pithocarpa corymbulosa</i>		Priority 3	
<i>Schoenus benthamii</i>		Priority 3	
<i>Schoenus capillifolius</i>		Priority 3	
<i>Schoenus pennisetis</i>		Priority 3	
<i>Stylidium aceratum</i>		Priority 3	
<i>Stylidium paludicola</i>		Priority 3	
<i>Styphelia filifolia</i>		Priority 3	
<i>Thysanotus anceps</i>		Priority 3	
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons	Priority 4	
<i>Dodoniaeae hackettiana</i>	Hackett's Hopbush	Priority 4	
<i>Drosera occidentalis</i>	Western Sundew	Priority 4	
<i>Hydrocotyle lemnoides</i>	Aquatic Pennywort	Priority 4	
<i>Jacksonia sericea</i>	Waldjumi	Priority 4	
<i>Kennedia beckxiana</i>	Cape Arid Kennedia	Priority 4	
<i>Microtis quadrata</i>	South Coast Mignonette Orchid	Priority 4	
<i>Ornduffia submersa</i>		Priority 4	
<i>Stylidium longitubum</i>	Jumping Jacks	Priority 4	
<i>Thysanotus glaucus</i>		Priority 4	
<i>Tripterococcus</i> sp. Brachylobus (A.S. George 14234)		Priority 4	
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		Priority 4	

Conservation Codes are shown in Appendix 4

Table 4: Likelihood of Identified Significant Flora Species Occurring on the Site

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Austrostipa jacobiana</i>		<i>Austrostipa jacobiana</i> occurs on a roadside on coastal plain in dry white/grey sand, well drained (Western Australian Herbarium, 2003).	Highly Unlikely
<i>Caladenia huegelii</i>	King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid	The Grand Spider-orchid prefers sand or clay loam. This species generally does not survive in disturbed areas.	Possible in areas of good quality vegetation on dry sandy soils
<i>Drakaea elastica</i>	Glossy-leafed Hammer Orchid	The Glossy-leafed Hammer Orchid prefers low-lying situations adjoining winter-wet swamps. This species does not survive in disturbed areas.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Synaphea</i> sp. Fairbridge Farm (D Papenfus 696)	Selena's Synaphea	Selena's Synaphea occurs in sandy with lateritic pebbles near winter-wet flats, in low woodland with weedy grasses.	Highly Unlikely, not suitable soil type
<i>Thelymitra dedmaniarum</i>	Cinnamon Sun-orchid	Cinnamon sun orchid is known from only two locations in the Gidgegannup area. It is confined to open wandoo woodland on red-brown sandy loam associated with dolerite and granite outcropping (DEC, 2012).	No, not suitable soil type
<i>Diuris purdiei</i>	Purdie's Donkey-orchid	Purdie's Donkey Orchid occurs in grey-black sand in moist winter-wet swamps.	Highly Unlikely, as areas of winter-wet wetland vegetation in good quality are very few.
<i>Drakaea micrantha</i>	Dwarf Hammer-orchid	Dwarf Hammer-orchid occurs in grey sands over dark, grey to blackish, sandy clay-loam substrates in winter wet depressions or swamps.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Eremophila glabra</i> subsp. <i>chlorella</i>		<i>Eremophila glabra</i> subsp. <i>chlorella</i> occurs in sandy clay in winter-wet depressions.	Highly Unlikely, as areas of winter-wet wetland vegetation on clay soils unlikely to be present.
<i>Lepidosperma rostratum</i>	Beaked Lepidosperma	Beaked Lepidosperma is found in peaty sand, clay.	Highly Unlikely, as areas of winter-wet wetland vegetation with peaty sandy soils unlikely to be present.

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Andersonia gracilis</i>	Slender Andersonia	Slender Andersonia occurs in white/grey sand, sandy clay, gravelly loam in winter-wet areas, near swamps.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Diuris drummondii</i>	Tall Donkey Orchid	The Tall Donkey Orchid grows in low-lying depressions, swamps.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Diuris micrantha</i>	Dwarf Bee-orchid	The Dwarf Bee-orchid is usually found on cleared firebreaks or open sandy patches that have been disturbed with in Jarrah Banksia woodland or thickets of Spearwood (<i>Kunzea ericifolia/ glabrescens</i>) (Williams <i>et al.</i> , 2001).	Possible
<i>Eleocharis keigheryi</i>	Keighery's Eleocharis	Keighery's Eleocharis occurs in clay, sandy loam and is emergent in freshwater: creeks, claypans.	Highly Unlikely, as site unlikely to have claypans and creeks are not present.
<i>Acacia lasiocarpa</i> var. bracteolata long peduncle variant (G.J. Keighery 5026)		This variant of <i>Acacia lasiocarpa</i> occurs in grey or black sand over clay in swampy areas, winter wet lowlands.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Hydrocotyle striata</i>		<i>Hydrocotyle striata</i> occurs in clay near springs.	Highly Unlikely, as site unlikely to have claypans.
<i>Acacia benthamii</i>		<i>Acacia benthamii</i> grows on sand, typically on limestone breakaways	Highly Unlikely as no limestone soils or breakaways on site
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Beautiful Stylewort grows in sand.	Possible
<i>Poranthera moorokatta</i>		<i>Poranthera moorokatta</i> grows in white silica sand and has been recorded in Banksia woodland and in a shallow dampland (Barrett, 2012).	Possible
<i>Stenanthemum sublineare</i>		<i>Stenanthemum sublineare</i> grows in littered white sand on coastal plain.	Unlikely, unsuitable soil type
<i>Thelymitra variegata</i>	Queen of Sheba	The Queen of Sheba orchid grows on sandy clay, sand and laterite.	No, unsuitable soil type
<i>Thysanotus</i> sp. Badgingarra (E.A. Griffin 2511)		<i>Thysanotus</i> sp. Badgingarra grows in grey sand with lateritic gravel.	No, unsuitable soil type

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Angianthus micropodioides</i>		<i>Angianthus micropodioides</i> occurs in saline sandy soils on river edges, saline depressions, claypans.	No, unsuitable soil type
<i>Byblis gigantea</i>	Rainbow Plant	The Rainbow Plant occurs in sandy-peat swamps in seasonally wet areas.	Highly Unlikely, as site unlikely to have sandy peat swamps
<i>Cyathochaeta teretifolia</i>		<i>Cyathochaeta teretifolia</i> occurs in grey sand, sandy clay on swamps, creek edges.	Possible
<i>Dampiera triloba</i>		<i>Dampiera triloba</i> grows in loamy sand (Australian National Herbarium, 2009)	No, unsuitable soil type
<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> is recorded from a winter wet claypan, water to 20 cm deep in grey-brown clay (Western Australian Herbarium, 1989)	Highly Unlikely, as site unlikely to have claypans
<i>Jacksonia gracillima</i>		<i>Jacksonia gracillima</i> occurs in grey and brown well-drained sand.	Possible
<i>Meionectes tenuifolia</i>		<i>Meionectes tenuifolia</i> occurs on swamp margins (Western Australian Herbarium, 2011)	Possible
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i> grows in white or grey sand, lateritic gravel.	Possible
<i>Pimelea calcicola</i>		<i>Pimelea calcicola</i> occurs in sand on coastal limestone ridges.	Unlikely, no limestone ridges on the site and the site is not coastal
<i>Pithocarpa corymbulosa</i>		<i>Pithocarpa corymbulosa</i> occurs in gravelly or sandy loam amongst granite outcrops.	No, unsuitable soil type
<i>Schoenus benthamii</i>		<i>Schoenus benthamii</i> prefers white, grey sand, sandy clay in winter-wet flats, swamps.	Possible
<i>Schoenus capillifolius</i>		<i>Schoenus capillifolius</i> grows in brown mud on claypans.	Highly Unlikely, as site unlikely to have claypans
<i>Schoenus pennisetis</i>		<i>Schoenus pennisetis</i> occurs in grey or peaty sand, sandy clay in swamps, winter-wet depressions.	Unlikely, as areas of wetland vegetation in good quality are very few.

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Stylidium aceratum</i>		<i>Stylidium aceratum</i> occurs in sandy soils in swamp heathland.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Stylidium paludicola</i>		<i>Stylidium paludicola</i> prefers peaty sand over clay in winter wet habitats in Marri and Melaleuca woodland, Melaleuca shrubland.	Possible
<i>Styphelia filifolia</i>		<i>Styphelia filifolia</i> occurs in sandy soils of the coastal plain (with one known occurrence from the northern Darling Scarp), usually in Banksia or Jarrah woodland and in low-lying situations (Hislop and Lelièvre, 2017).	Possible
<i>Thysanotus anceps</i>		<i>Thysanotus anceps</i> grows on white or grey sand, lateritic gravel, laterite.	Possible
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons	Stalked Water Ribbons grow in freshwater: ponds, rivers, claypans	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Dodonea hackettiana</i>	Hackett's Hopbush	Hackett's Hopbush occurs in sand with outcropping limestone.	Unlikely, no limestone on the site
<i>Drosera occidentalis</i>	Western Sundew	The Western Sundew occurs in sandy and clayey soils in swamps and wet depressions.	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Hydrocotyle lemnoides</i>	Aquatic Pennywort	Aquatic Pennywort occurs in swamps	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Jacksonia sericea</i>	Waldjumi	Waldjumi grows in calcareous and sandy soils.	Possible
<i>Kennedia becxiana</i>	Cape Arid Kennedia	Cape Arid Kennedia occurs in sand, loam on granite hills and outcrops.	No, unsuitable soil type
<i>Microtis quadrata</i>	South Coast Mignonette Orchid	South Coast Mignonette Orchid occurs on clay based coastal flats (Brown et al., 2013).	No, the site is not coastal
<i>Ornduffia submersa</i>		<i>Ornduffia submersa</i> grows in freshwater 0.05-0.6 m deep. Pools, lakes, swamps, winter-wet depressions, claypans.	Unlikely, wetland type unlikely to be present

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Stylidium longitubum</i>	Jumping Jacks	Jumping Jacks prefer sandy clay, clay in seasonal wetlands.	Unlikely, clay wetland type unlikely to be present
<i>Thysanotus glaucus</i>		<i>Thysanotus glaucus</i> occurs in white, grey or yellow sand, sandy gravel.	Possible
<i>Tripterococcus</i> sp. Brachylobus (A.S. George 14234)		<i>Tripterococcus</i> sp. Brachylobus occurs in grey, black or peaty sand winter-wet flats	Unlikely, as areas of wetland vegetation in good quality are very few.
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i> prefers sand, sandy clay in winter-wet depressions.	Unlikely, as areas of wetland vegetation in good quality are very few.

* sourced from Florabase (DBCA, 2017) and SPRAT Database (DoEE, 2016) as well as the DBCA database searches unless otherwise denoted

4.2 TEC and PEC Desktop Search

A search of DBCA's Threatened (TEC) and Priority Ecological Communities (PEC) database was conducted within a radius of 5km around the site (14-1020EC) (Appendix 5). Four TECs and eight PECs at State level were identified in the database search. There are five State listed PECs are listed under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) as TECs. The communities identified in the database searches are outlined in Table 5. The mound spring, Muchea limestone, claypan, wooded waterbird wetlands and saltmarsh communities would not occur on the site.

Table 5: Threatened and Priority Ecological Communities likely to occur within 5km of the Site

Ecological Community	Description	Conservation Status WA	Status under the EPBC Act
Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered
SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson <i>et al.</i> (1994))	Endangered	Critically Endangered as part of the Claypans SCP
Muchea Limestone	Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain	Endangered	Endangered
SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson <i>et al.</i> (1994))	Vulnerable	Critically Endangered as part of the Claypans SCP
Claypans with shrubs over herbs	Claypans with mid dense shrublands of <i>Melaleuca lateritia</i> over herbs	Priority 1	Critically Endangered as part of the Claypans SCP

Ecological Community	Description	Conservation Status WA	Status under the EPBC Act
Wooded waterbird wetlands	Wooded wetlands which support colonial waterbird nesting areas	Priority 2	
SCP24	Northern Spearwood shrublands and woodlands	Priority 3	
SCP21c	Low lying <i>Banksia attenuata</i> woodlands or shrublands	Priority 3	Endangered as part of the Banksia WL SCP
Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable
Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered
Tuart woodlands	Tuart (<i>Eucalyptus gomphocephala</i>) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered
SCP22	<i>Banksia ilicifolia</i> woodlands	Priority 3	Endangered as part of the Banksia WL SCP

4.3 Flora

A total of 166 plant species were recorded during the 2020 flora survey (Appendix 6). This total consisted of 134 native species and 32 (19%) introduced species. The number of native species is considered to be expected for the range of vegetation types, vegetation condition and overall amount of vegetation in the survey area.

The plant Families with the highest representation of species were the Fabaceae (Pea and Wattle family – 18 species, including 15 native and 3 introduced) Myrtaceae (Myrtle family - 17 species, all native), Asteraceae (Daisy family – 16 species, 9 native and 7 introduced), Orchidaceae (Orchid family – 10 species, all native), Proteaceae (Banksia family – 9 species, all native) and the Poaceae (Grass family – 9 species, 1 native and 8 introduced).

Quadrat Data are provided in Appendix 7.

Species richness in the quadrats ranged from 12 to 46 with the highest species richness in the vegetation in Very Good condition or better on dry sandy soils (41 species average). The lower values of species richness were in the poorer quality vegetation on low-lying wetland soils.

There were no Threatened (Declared Rare) or Priority plant species recorded on the site.

4.4 Vegetation

4.4.1 General Description

The site has mostly been cleared in the past and subdivided into small rural landholdings. Some intact native vegetation has been retained on some lots, particularly on the western side of the site. Many lots contain some native trees in a parkland cleared condition with grazed or mowed non-native understorey. All lots contain some planted non-native trees and shrubs around the houses and sheds.

4.4.2 Vegetation Complex

Vegetation Complexes are a broad level of vegetation description which is based on the underlying geomorphology and rainfall (Heddle *et al.*, 1980). The areas of remnant native vegetation on the site are part of the Bassendean– Central and South vegetation complex which is described as:

Bassendean Complex-Central and South - Vegetation ranges from woodland of Jarrah (*Eucalyptus marginata*) – Sheoak (*Allocasuarina fraseriana*) – Banksia (*Banksia* spp.) to low woodland of Paperbark (*Melaleuca* spp.), and sedgeland on moister sites (Heddle *et al.*, 1980).

The general description of the vegetation complex matches the different types of native vegetation remaining on the site.



4.4.3 Vegetation Type



For small scale sites, such as the survey area, vegetation mapping can be further refined by using vegetation types which are described by the composition and structure of the dominant species rather than based on geomorphology.



A total of nine native vegetation types were described and mapped on the site. The vegetation types are described in Table 6 and mapped in Figure 3.



Three vegetation types were recorded and mapped on elevated land while the other six vegetation types were recorded on lower lying areas of the site.


Table 6: Vegetation Types on the Site

Vegetation Type	Description	Photograph
<p>BaBm¹ <i>Banksia attenuata</i>/<i>B. menziesii</i>/<i>Nuytsia floribunda</i>/<i>Eucalyptus todtiana</i> Low open Woodland over <i>Allocasuarina humilis</i>/<i>Eremaea pauciflora</i>/<i>Hibbertia hypericoides</i> Open to Closed Low Heath</p>	<p>This is the main intact native vegetation type on the site, occurring predominantly on the western and northwestern perimeter of the site. <i>Banksia attenuata</i> and <i>Banksia menziesii</i> occur in mixed abundance with some areas containing very few mature trees, possibly a result of dieback or water table decline over the years. Christmas Tree (<i>Nuytsia floribunda</i>) and <i>Eucalyptus todtiana</i> are common trees in the vegetation type. Common understorey species include <i>Allocasuarina humilis</i>, <i>Eremaea pauciflora</i>, <i>Hibbertia hypericoides</i>, <i>Gompholobium tomentosum</i>, <i>Burchardia congesta</i>, <i>Dasypogon bromeliifolius</i>, <i>Dampiera linearis</i>, <i>Amphipogon turbinatus</i>, <i>Caladenia flava</i>, <i>Trachymene pilosa</i> and <i>Thysanotus patersonii</i>. The soils are brownish grey sand.</p> <p>Quadrats JR2, 3, 8 and 10 are representative of this vegetation type.</p>	
<p>BaBm² Very scattered individuals of <i>Banksia attenuata</i>/<i>B. menziesii</i>/<i>Nuytsia floribunda</i>/<i>Eucalyptus todtiana</i> over <i>Allocasuarina humilis</i>/<i>Eremaea pauciflora</i>/<i>Hibbertia hypericoides</i> Open to Closed Low Heath</p>	<p>This vegetation type is very similar to BaBm1 with respect to the composition of the low heath vegetation but has very scattered individuals of <i>Banksia attenuata</i>, <i>B. menziesii</i>, <i>Nuytsia floribunda</i> and/or <i>Eucalyptus todtiana</i>. The paucity of trees may be due to past clearing or long-term reduction in numbers due to dieback or water table decline.</p>	

Vegetation Type	Description	Photograph
<p>Af <i>Allocasuarina fraseriana/ Melaleuca preissiana/ Eucalyptus todtiana/Banksia ilicifolia</i> Low Open Woodland over <i>Xanthorrhoea preissii</i> Open Low Heath</p>	<p>This vegetation type occurred in the north-west part of the site on relatively low-lying land. The dominant trees were Sheoak (<i>Allocasuarina fraseriana</i>), with <i>Eucalyptus todtiana</i>, <i>Banksia ilicifolia</i> and occasionally <i>Melaleuca preissiana</i> also present. <i>Xanthorrhoea preissii</i> was a common understorey species.</p> <p>The soils are dark grey sand.</p> <p>Quadrat JR5 is representative of this vegetation type.</p>	
<p>MpBm <i>Melaleuca preissiana/Banksia menziesii</i> Low Open Woodland over <i>Beaufortia squarrosa/ Astartea affinis</i> Open Heath</p>	<p>One very small area of this vegetation type was recorded on Lot 20 Boeing Way. The presence of Paperbark trees (<i>Melaleuca preissiana</i>), <i>Astartea affinis</i> and <i>Pultenaea reticulata</i> suggest a small area of wetland. However, the presence of <i>Banksia menziesii</i> and many other dryland shrub species indicates the site is transitional between wetland and dryland. The soil type is brownish grey sand.</p> <p>Quadrat JR1 is representative of this vegetation type.</p>	

Vegetation Type	Description	Photograph
<p>MpHa <i>Melaleuca preissiana</i> Low Open Woodland over <i>Hypocalymma angustifolium</i>/<i>Astartea affinis</i> Closed Heath</p>	<p>Two small areas of this vegetation type were mapped on the site, one with few <i>M. preissiana</i> trees and the other with the trees more common. The vegetation type is dominated by the wetland shrub <i>Hypocalymma angustifolium</i> with other wetland indicator species present including <i>Pericalymma ellipticum</i>, <i>Astartea affinis</i> and <i>Boronia spathulata</i>. The area mapped in the north-west corner of the site on Lots 25 and 26 Boeing Way represent new locations of wetlands in the area. The soil type is dark grey sand.</p> <p>Quadrats JR4 and 9 are representative of this vegetation type.</p>	
<p>MpKg <i>Melaleuca preissiana</i> Low Open Woodland over <i>Kunzea glabrescens</i>/<i>Adenanthos cygnorum</i> Tall Shrubland over weeds</p>	<p>One small stand of this vegetation type occurred at the north-east end of the site on the margin of wetland 6780. The Paperbark (<i>Melaleuca preissiana</i>) and Spearwood (<i>Kunzea glabrescens</i>) trees are up to 4m high with <i>Banksia ilicifolia</i> and <i>Adenanthos cygnorum</i> also present as well as the introduced Sydney Wattle (<i>Acacia longifolia</i>). <i>Hypocalymma angustifolium</i> and <i>Astartea affinis</i> are present but not widespread. The surface soils are black sand.</p> <p>Quadrat JR6 is representative of this vegetation type.</p>	

Vegetation Type	Description	Photograph
<p>Kg <i>Kunzea glabrescens</i> Tall Open Scrub over weeds</p>	<p>Some moderately dense stands of Spearwood (<i>Kunzea glabrescens</i>) Scrub up to 4m high occurs at the north-east end of the site. <i>Kunzea glabrescens</i> occurs on the margins of wetlands. The presence of <i>Eucalyptus todtiana</i> indicates that the vegetation is transitional between wetland and dryland. The surface soils are dark grey sand.</p> <p>Quadrat JR7 is representative of this vegetation type.</p>	
<p>Er <i>Eucalyptus rudis</i> Low Woodland over <i>Astartea affinis</i> Open Shrubland over weeds</p>	<p>This vegetation type is associated with wetland 6881. The central core of the wetland contains <i>Eucalyptus rudis</i> (Flooded Gum) trees up to 8m high over a mixed understorey that is very weedy in places and with some native heath vegetation in others. Common native species in the better quality areas include <i>Astartea affinis</i>, <i>Acacia pulchella</i> and <i>Lepidosperma longitudinale</i>. Areas away from the core wetland contain Flooded Gum trees over a parkland cleared or grassy weed understorey. The soil types are brown sand.</p> <p>Quadrat JR11 is representative of this vegetation type.</p>	

Vegetation Type	Description	Photograph
<p>Mp Parkland Cleared <i>Melaleuca preissiana</i> Trees</p>	<p>Several properties at the eastern end of the site contain scattered Paperbark trees (<i>Melaleuca preissiana</i>) over a completely cleared and grazed or mowed understorey. These areas have wetland soils that are typically waterlogged in an average year.</p>	

4.4.4 Vegetation Condition

The condition of the vegetation was assessed according to the system of Keighery as described in Bush Forever (Government of Western Australia, 2000) (Table 7).

Table 7: Vegetation Condition Rating Scale

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

The condition of the vegetation is shown in Figure 3. Vegetation condition ranged from Excellent to Completely Degraded. The areas of Excellent vegetation were limited to some of the Banksia woodland (BaBm¹) vegetation at the western end of the site and one area on Lot 4 Coonadoo Court. Areas with high quality heath vegetation but with very few trees (BaBm² unit) were rated as Very Good. Parkland cleared areas with Banksia/Eucalyptus/Nuytsia trees are Completed Degraded.

Only one small area of wetland vegetation (MpHa) on Lots 25 and 26 Boeing Way was rated as Excellent. All other areas were Completely Degraded to Good due to most areas being parkland cleared for grazing or the wetter soils being more susceptible to invasion by weed species.

4.5 Conservation Significance of Flora and Vegetation

4.5.1 Flora

No Threatened or Priority flora species were recorded on the site. No other species of conservation significance were recorded.

4.5.2 Vegetation

Vegetation Complex

The vegetation on the site is part of the Bassendean - Central and South Vegetation Complex. There is approximately 23,509ha (26.87%) of the pre-European extent of the Bassendean Complex-Central and South remaining on the Swan Coastal Plain portion of the Perth Metropolitan Region (DBCA, 2018). There is 1,625ha in secure reserves which is 1.86% of the original extent of the complex (DBCA, 2018).

The percentage retention is above the EPA's target for minimum 10% retention of vegetation complexes in the Perth and Peel Region Constrained Areas. The amount protected in secure reserves, however, is low.

Floristic Community Type

Floristic Community Types (FCT) are based on the floristic composition of all the species in a vegetation type rather than being determined by the nature of the dominant species (Vegetation Types) or the underlying soil type and geomorphology (Vegetation Complex).

The *Banksia attenuata*/*B. menziesii* vegetation type (BaBm¹) and the *Allocasuarina fraseriana*-dominated woodland (Af) vegetation types were inferred as being FCT 23a 'Central *Banksia attenuata* – *B. menziesii* woodlands' based on the composition of the flora in the quadrats sampled from the vegetation types. The BaBm² vegetation type was also inferred as being FCT23a despite the absence or very low density of *Banksia attenuata* and *B. menziesii* trees. The absence or low density of *Banksia* trees does not have a big impact on the identification of the FCT as the FCT is based on the whole assemblage of plant species and not just the dominant tree canopy.

FCT23a is one of the most common *Banksia* Woodland FCTs, occurring from Bullsbrook south to Woodman Point. The FCT is not a Threatened or Priority Ecological Community in its own right but may be part of the broader *Banksia* Woodlands of the Swan Coastal TEC listed under the EPBC Act. Further assessment of the *Banksia* Woodland TEC is provided below.

Only vegetation in Good condition or better is able to be identified as a Floristic Community Type. Vegetation in Degraded and Completely Degraded condition have too few native species to compare accurately with the FCT descriptions of Gibson *et al.* (1994). Therefore, almost all the vegetation other than the *Banksia* woodlands was not able to be assigned to a FCT. The small area of MpHa wetland vegetation on Lots 25 and 26 Boeing Way is inferred as being FCT 5 'mixed shrub damplands'. FCT 5 is not a TEC or PEC.

Banksia Woodland TEC Assessment

The *Banksia* Woodlands of the Swan Coastal Plain Threatened Ecological Community (*Banksia* Woodland TEC) is listed as an Endangered TEC under the Commonwealth EPBC Act. The *Banksia* Woodland community is a conglomerate of a number of *Banksia*-dominated FCTs recognised at State level. FCT 23a is one of the FCTs that form part of the *Banksia* Woodland TEC. However, the identification of one of the relevant FCTs on a site is not of itself sufficient to assign the vegetation to the *Banksia* Woodland TEC. The vegetation needs to meet specific criteria to be considered the TEC.

The *Approved Conservation Advice (incorporating listing advice) for the Banksia Woodlands of the Swan Coastal Plain ecological community* (Commonwealth of Australia, 2016) (Conservation Advice) describes the Banksia Woodland TEC as:

The ecological community is a woodland associated with the Swan Coastal Plain of southwest Western Australia. A key diagnostic feature is a prominent tree layer of Banksia, with scattered eucalypts and other tree species often present among or emerging above the Banksia canopy. The understorey is a species rich mix of sclerophyllous shrubs, graminoids and forbs. The ecological community is characterised by a high endemism and considerable localised variation in species composition across its range (Commonwealth of Australia, 2016).

Table 8 assesses the vegetation type on the site against the Banksia Woodland TEC criteria contained in the Conservation Advice.

Table 9 summarises the assessment with respect to Banksia Woodland TEC on each lot in the survey area.

In summary, the areas of BaBm¹ vegetation type in Excellent and Very Good condition meet all the requirements of the Banksia Woodland TEC. Most of these areas are considered one patch of around 5.6ha on the western end of the site as the areas on each lot are only separated by perimeter firebreaks which provide a gap of only 7m, which is well under the 30m allowable separation distance within a patch of the TEC. One isolated patch of the TEC around 1.4ha in size occurs on Lot 4 Coonadoo Court.

A total of around 7.42ha of Banksia Woodland TEC is mapped on the site.

The areas containing BaBm¹ vegetation in Degraded condition are not considered to be the TEC due to the degraded condition of the vegetation not meeting the minimum condition threshold for the TEC.

The areas containing BaBm² vegetation type with very few to no Banksia trees are not considered the TEC due to the lack of Banksia trees as a prominent tree layer. The three areas of this vegetation type on Boeing Way (Lots 27, 28 and 29) total around 1.8ha which is below the threshold 2ha for vegetation in Good condition to be the TEC.

Table 8: Assessment of the Banksia Woodland of the Swan Coastal Plain TEC.

Feature	Characteristic	Vegetation Type	
		BaBm ¹	BaBm ²
		<i>Banksia attenuata</i> / <i>B. menziesii</i> / <i>Nuytsia floribunda</i> / <i>Eucalyptus todtiana</i> Low open Woodland over <i>Allocasuarina humilis</i> / <i>Eremaea pauciflora</i> / <i>Hibbertia hypericoides</i> Open to Closed Low Heath	Very scattered individuals of <i>Banksia attenuata</i> / <i>B. menziesii</i> / <i>Nuytsia floribunda</i> / <i>Eucalyptus todtiana</i> over <i>Allocasuarina humilis</i> / <i>Eremaea pauciflora</i> / <i>Hibbertia hypericoides</i> Open to Closed Low Heath
Banksia Species	The patch must include at least one of the following diagnostic species: <ul style="list-style-type: none"> • <i>Banksia attenuata</i> (Candlestick Banksia) • <i>Banksia menziesii</i> (Firewood Banksia) • <i>Banksia prionotes</i> (Acorn Banksia) • <i>Banksia ilicifolia</i> (Holly-Leaved Banksia). 	<i>Banksia attenuata</i> and <i>B. menziesii</i> common.	<i>Banksia attenuata</i> and/or <i>B. menziesii</i> usually present.
Vegetation Structure	<ul style="list-style-type: none"> • A distinctive upper sclerophyllous layer of low trees (occasionally large shrubs more than 2 m tall), typically dominated or codominated³ by one or more of the <i>Banksia</i> species (<i>B. attenuata</i>, <i>B. menziesii</i>, <i>B. ilicifolia</i>, <i>B. prionotes</i>); • An emergent tree layer of medium or tall (>10 m) height <i>Eucalyptus</i> or <i>Allocasuarina</i> (Sheoak) species may sometimes be present above the <i>Banksia</i> canopy. • An understory that is often highly species-rich consists of: <ul style="list-style-type: none"> – A layer of sclerophyllous shrubs of various heights; and, – A herbaceous ground layer of cord rushes, sedges and perennial and ephemeral forbs, that sometimes includes grasses. The development of a ground layer may vary depending on the density of the shrub layer and disturbance history. 	<ul style="list-style-type: none"> • Banksia trees form a distinctive upper layer of low trees in these vegetation types, often with WA Christmas Tree (<i>Nuytsia floribunda</i>) and <i>Eucalyptus todtiana</i>. • <i>Eucalyptus todtiana</i> is sometimes co-dominant but not emergent in these vegetation types. • Understorey of shrubs, sedges, herbs in Excellent to Good condition have a moderate diversity of native species including shrubs, sedges, climbing plants and ephemerals. Some areas have a Degraded to Completely Degraded understorey with few native species. 	<ul style="list-style-type: none"> • Banksia trees are very sparse and do not form a distinctive upper layer of trees. • Trees are very sparse and emergent tree layer not present • Understorey of shrubs, sedges, herbs, in Good condition have a moderate diversity of native species including shrubs, sedges, climbing plants and ephemerals. Completely Degraded areas have very few native species.
Vegetation Condition	An area of Banksia woodland needs to be at least in Good condition to be considered the TEC.	Vegetation types range from Excellent to Completely Degraded.	Vegetation types range from Good to Completely Degraded
Patch Size	The Banksia woodland TEC needs to meet a minimum 'patch' size depending on its condition to qualify as the TEC, as follows: <ul style="list-style-type: none"> • 'Pristine' – no minimum patch size • 'Excellent' – 0.5ha • 'Very Good' – 1ha • 'Good' – 2ha 	Three patches of Very Good to Excellent vegetation range from 5.6ha, 1.4ha and 0.2ha.	Only patch in Good condition is 1.8ha.
Conclusion		Most areas in Excellent to Good condition meet all the required criteria. One isolated patch in Very Good condition on Lot 19 Boeing Way too small to be the TEC	Does not meet all the criteria to be the TEC including a lack of Banksia trees as a dominant tree canopy and the size of the areas in Good condition being below the threshold.

Table 9: Assessment of Banksia Woodland TEC on Individual Lots

Lot Number	Vegetation Type	Vegetation Condition	Banksia Woodland TEC
Lot 19 Boeing Way	BaBm ¹ (front) BaBm ¹ (back) BaBm ² (back)	Very Good Very Good Completely Degraded	Yes No (too small) No
Lot 20 Boeing Way	BaBm ¹	Excellent	Yes
Lot 21 Boeing Way	BaBm ¹	Excellent	Yes
Lot 22 Boeing Way	BaBm ¹	Excellent and Good	Yes
Lot 23 Boeing Way	BaBm ¹	Excellent and Very Good	Yes
Lot 24 Boeing Way	BaBm ¹	Excellent	Yes
Lot 25 Boeing Way	BaBm ¹	Good	Yes, considered part of woodland on Lot 24
Lot 26 Boeing Way	BaBm ¹	Degraded	No
Lot 27 Boeing Way	BaBm ²	Good	No
Lot 28 Boeing Way	BaBm ²	Good	No
Lot 29 Boeing Way	BaBm ²	Good	No
Lot 30 Boeing Way	BaBm ¹	Completely Degraded	No
Lot 32 Boeing Way	BaBm ¹	Completely Degraded	No
Lot 33 Boeing Way	BaBm ¹	Completely Degraded	No
Lot 4 Coonadoo Court	BaBm ¹	Excellent to Very Good (size 1.4ha)	Yes
Lot 5 Coonadoo Court	BaBm ²	Completely Degraded	No
Lot 300 Solomon Road	BaBm ¹	Degraded to Completely Degraded	No
Lot 5001 Solomon Road	BaBm ¹	Completely Degraded	No

5 SUMMARY AND CONCLUSIONS

The Flora and Vegetation survey resulted in the following findings:

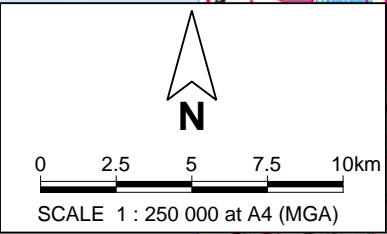
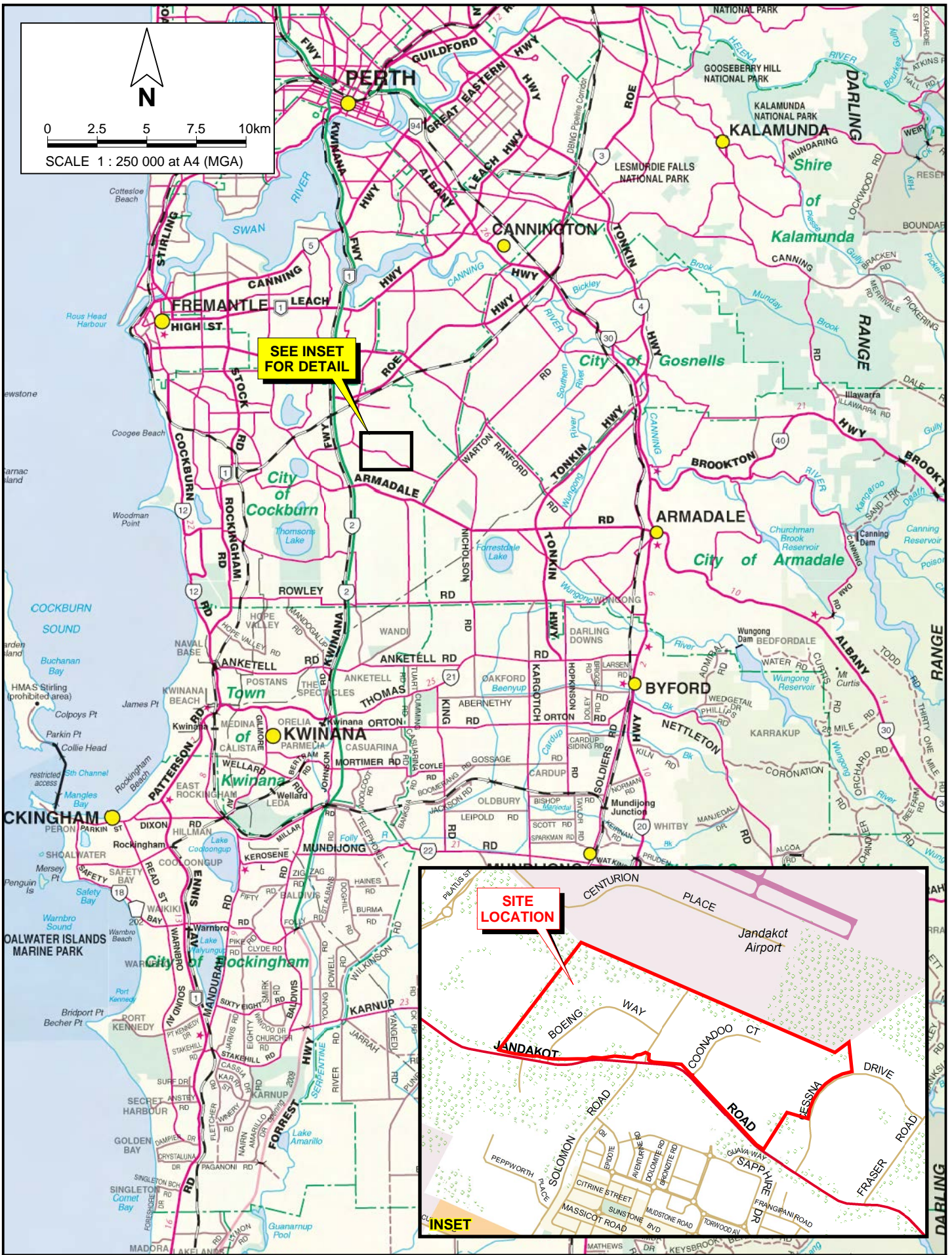
- The site has mostly been cleared in the past and subdivided into small rural landholdings. Some intact native vegetation has been retained on some lots, particularly on the western side of the site. Many lots contain some native trees in a parkland cleared condition with little to no native understorey
- A total of 166 plant species were recorded during the 2020 flora survey. This total consisted of 134 native species and 32 introduced species;
- No Threatened (Declared Rare) or Priority flora species were recorded on the site;
- Nine native vegetation types were described and mapped on the site. Three vegetation types were recorded on elevated land while the other six vegetation types were recorded on lower lying areas of the site. The vegetation on the higher parts of the site was mostly a Banksia woodland with *Eucalyptus todtiana* and WA Christmas Tree also common. Some native Sheoak vegetation was also present. On some higher areas the tree species were either absent or very sparse which may be due to past clearing or the effects of dieback or water table decline. The lower lying vegetation was mostly associated with mapped wetlands and was in poor condition. One new wetland area at the rear of Lots 25 and 26 Boeing Way was recorded with dampland heath vegetation in Very Good condition;
- The vegetation condition ranged from Excellent at the western end to Completely Degraded over most of the lower-lying parts of the site;
- The vegetation is part of the Bassendean - Central and South Vegetation Complex which is above the minimum retention levels in the Perth Metropolitan Region but is poorly reserved;
- The upland vegetation is inferred as being Floristic Community Type (FCT) 23a 'Central *Banksia attenuata* – *B. menziesii* woodlands' which is not a Threatened or Priority Ecological Community in its own right. The low-lying vegetation types are mostly too degraded to assign to an FCT. The small area of wetland vegetation on Lots 25 and 26 Boeing Way is considered to be FCT 5 'mixed shrub damplands' which is not a TEC or PEC; and
- The Banksia woodlands (BaBm¹ and BaBm²) were assessed against the criteria for the Federally listed TEC *Banksia Woodlands of the Swan Coastal Plain*. Most areas of BaBm1 vegetation in Good to Excellent condition were assessed as being part of the Banksia Woodland TEC. Areas containing the BaBm2 vegetation type were considered to not meet the criteria of the TEC due to the absence of Banksia trees as a dominant tree layer and the size of the areas being below the threshold minimum patch size. A total of 7.42ha of Banksia Woodland TEC occurs on the site.

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FIGURES



SEE INSET FOR DETAIL

SITE LOCATION

INSET

PINPOINT CARTOGRAPHICS (08) 9562 7136 2020-535-101.dgn

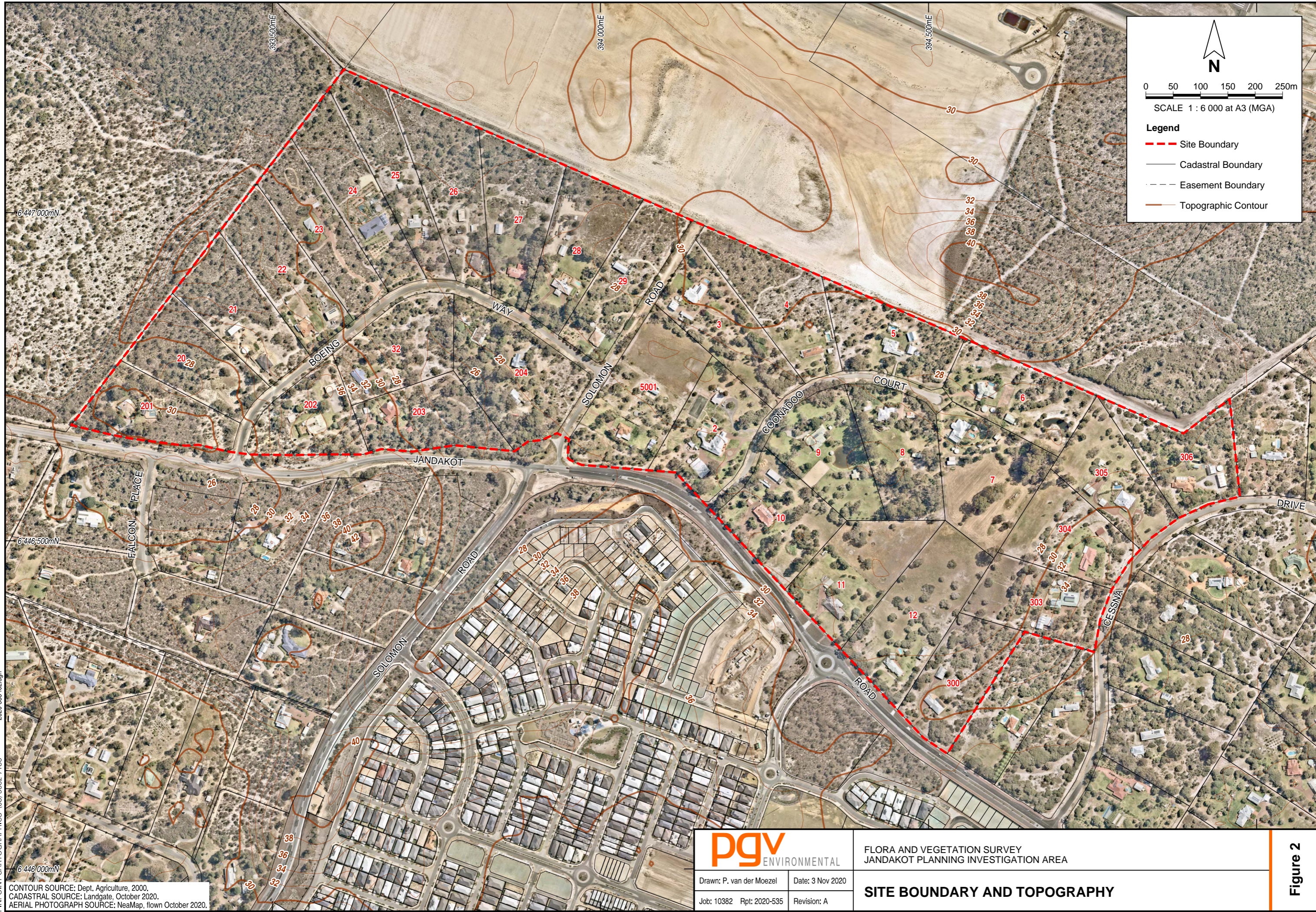
pgv ENVIRONMENTAL

FLORA AND VEGETATION SURVEY
JANDAKOT PLANNING INVESTIGATION AREA

Drawn: P. van der Moezel Date: 3 Nov 2020
Job: 10382 Rpt: 2020-535 Revision: A

SITE LOCATION

Figure 1



N

0 50 100 150 200 250m

SCALE 1 : 6 000 at A3 (MGA)

Legend

- - - Site Boundary
- Cadastral Boundary
- Easement Boundary
- Topographic Contour

2020-535-102.dgn
PINPOINT CARTOGRAPHICS (08) 9562 7136

CONTOUR SOURCE: Dept. Agriculture, 2000.
 CADASTRAL SOURCE: Landgate, October 2020.
 AERIAL PHOTOGRAPH SOURCE: NeaMap, flown October 2020.

pgv

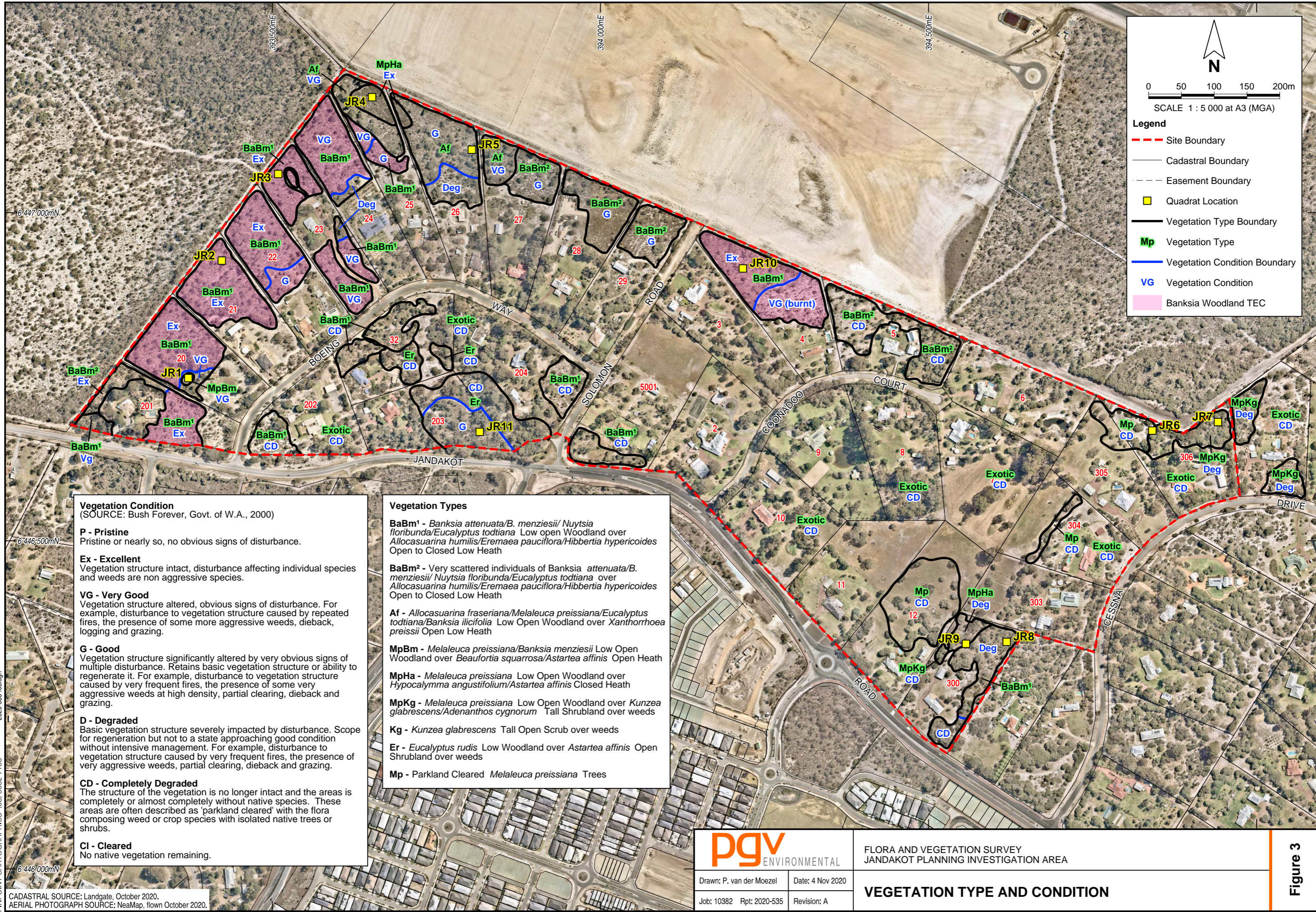
ENVIRONMENTAL

Drawn: P. van der Moezel Date: 3 Nov 2020
 Job: 10382 Rpt: 2020-535 Revision: A

FLORA AND VEGETATION SURVEY
 JANDAKOT PLANNING INVESTIGATION AREA

SITE BOUNDARY AND TOPOGRAPHY

Figure 2



N

0 50 100 150 200m

SCALE 1 : 5 000 at A3 (MGA)

Legend

- Site Boundary
- Cadastral Boundary
- Easement Boundary
- Quadrat Location
- Vegetation Type Boundary
- Mp Vegetation Type
- Vegetation Condition Boundary
- Banksia Woodland TEC

Vegetation Condition
(SOURCE: Bush Forever, Govt. of W.A., 2000)

P - Pristine
Pristine or nearly so, no obvious signs of disturbance.

Ex - Excellent
Vegetation structure intact, disturbance affecting individual species and weeds are non aggressive species.

VG - 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.

G - Good
Vegetation structure significantly altered by very obvious signs of multiple disturbance. Retains basic vegetation structure or ability to regenerate it. For example, disturbance to vegetation structure caused by very frequent fires, the presence of some very aggressive weeds at high density, partial clearing, dieback and grazing.

D - 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.

CD - Completely Degraded
The structure of the vegetation is no longer intact and the areas is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora composing weed or crop species with isolated native trees or shrubs.

CI - Cleared
No native vegetation remaining.

Vegetation Types

BaBm¹ - *Banksia attenuata/B. menziesii/ Nuytsia floribunda/Eucalyptus todtiana* Low open Woodland over *Allocasuarina humilis/Eremaea pauciflora/Hibbertia hypericoides* Open to Closed Low Heath

BaBm² - Very scattered individuals of *Banksia attenuata/B. menziesii/ Nuytsia floribunda/Eucalyptus todtiana* over *Allocasuarina humilis/Eremaea pauciflora/Hibbertia hypericoides* Open to Closed Low Heath

Af - *Allocasuarina fraseriana/Melaleuca preissiana/Eucalyptus todtiana/Banksia ilicifolia* Low Open Woodland over *Xanthorrhoea preissii* Open Low Heath

MpBm - *Melaleuca preissiana/Banksia menziesii* Low Open Woodland over *Beaufortia squarrosa/Astartea affinis* Open Heath

MpHa - *Melaleuca preissiana* Low Open Woodland over *Hypocalymma angustifolium/Astartea affinis* Closed Heath

MpKg - *Melaleuca preissiana* Low Open Woodland over *Kunzea glabrescens/Adenanthos cygnorum* Tall Shrubland over weeds

Kg - *Kunzea glabrescens* Tall Open Scrub over weeds

Er - *Eucalyptus rudis* Low Woodland over *Astartea affinis* Open Shrubland over weeds

Mp - Parkland Cleared *Melaleuca preissiana* Trees

pgv ENVIRONMENTAL

Drawn: P. van der Moezel Date: 4 Nov 2020

Job: 10382 Rpt: 2020-535 Revision: A

FLORA AND VEGETATION SURVEY
JANDAKOT PLANNING INVESTIGATION AREA

VEGETATION TYPE AND CONDITION

Figure 3

2020-535-103.dgn
PINPOINT CARTOGRAPHICS (08) 9562 7136

CADASTRAL SOURCE: Landgate, October 2020.
AERIAL PHOTOGRAPH SOURCE: NeaMap, flown October 2020.

APPENDIX 1
DBCA Flora Database Searches

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
717	4099451	3237	Acacia benthamii	2	Shrub 1.7 m tall.	On a very low sand drift (a few feet thick over clay). Dull, pale yellowish brown clayey sand.	Vininaria juncea low open woodland to low woodland over Acacia benthamii shrubland to open heath over Baeckea camphorosmae low open heath over Cyathochaeta avenacea, Dryandra nivea, Mesomelaena tetragon sedgeland/herbland. Allocasuarina humilis, Paterson			AUTO	3	9/12/1994
2683	190705	14932	Acacia lasiocarpa var. bracteolata long peduncle variant (G.J. Keighery 5026)	1		Black sandy swampy area.	Jarrah.			AUTO	3	26/08/1957
5671	2241749	18195	Amanita carneiphylla	3			Under Eucalyptus marginata.		Murdoch University Forest	MAN	0	7/05/1989
5672	5031559	18195	Amanita carneiphylla	3						MAN	0	12/04/1992
5673	2241927	18195	Amanita carneiphylla	3			Under Eucalyptus marginata, P. pinaster.		Murdoch University Forest	MAN	0	7/05/1989
5674	1007181	18195	Amanita carneiphylla	3		In deep yellow/white sand. Flat firebreak.	Banksia woodland with Eucalyptus marginata, Pinus pinaster.			MAN	3	/05/1988
5677	7587422	18195	Amanita carneiphylla	3	Mode of Life: unknown.		Eucalyptus marginata.			TOPO	3	7/05/1989
5678	7587414	18195	Amanita carneiphylla	3	Mode of Life: unknown.		Eucalyptus marginata.			TOPO	3	7/05/1989
5679	7587406	18195	Amanita carneiphylla	3	Mode of Life: unknown.		Eucalyptus marginata.			TOPO	3	7/05/1989
5680	8793530	18195	Amanita carneiphylla	3	Pileus 52-77 mm diameter, 6-10 mm thick, white, convex becoming plane, margin appendiculate, surface dry; context white bruising pale pink. Universal veil on pileus white, as large conical warts over the whole disc, adnate. Lamellae very pale rose (7A2),	Sand.	Degraded native bush. Nearby woody plants: Eucalyptus marginata.	collection.		GPS	1	8/05/2016
5681	2224445	18195	Amanita carneiphylla	3	Pink gills, pale cream to pure white.	In heavy sand.	With Eucalyptus marginata and Pinus pinaster.		VTMH 2 Sporeprint.	MAN	0	7/05/1989
5682	8351279	18195	Amanita carneiphylla	3	Single basidiome.	In sand.	Degraded native vegetation with Pinus pinaster.			GPS	1	14/05/2005
5684	8320993	18195	Amanita carneiphylla	3	Pileus 50-83 mm diameter, white, convex when young applanate when mature, margin appendiculate when young, no smell, context white. Universal veil on the pileus: as large, soft white warts, adnate. Lamaellae: clay pink, close, margin is very slightly fim	Emerging from deep sandy soil.	With nearby degraded native vegetation and introduced Eucalypts.		Microscopic character details housed with specimen.	UNK	3	3/05/1992

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5685	8320918	18195	Amanita carneiphylla	3	Pileus 50-115 mm diameter, white, convex when young applanate when mature, margin appendiculate when young, no smell, context to 10 mm thick, white. Universal veil on the pileus: as large, white warts, mainly in the centre. Lamaellae: adnate, pale rose p	Sandy soil. Emerging from deep sand.	With nearby degraded native vegetation and introduced Eucalypts.	collection, gregarious and scattered.		UNK	3	29/04/1990
5690	5505909	18195	Amanita carneiphylla	3	Characterised by 1. pale pink gills, 2. long, ventricose, radicating white stem, with pendulous white striate superior annulus, 3. white cap with white, flat and sometimes conical warts, 4. sits mainly below the surface and can usually be seen only as a		Eucalyptus marginata.			AUTO	3	3/06/1995
5691	7698828	18195	Amanita carneiphylla	3	Characterised Features: (i) Pastel pink (near 8A2 to 9A2) gills which dull (near 9B2) but remain pink in old age; (ii) finely striate pendulous persistent superior annulus; (iv) multiple belts of membranous tissue on lower stem; (iv) fleshy solid pale pi	Barley emerging at maturity from white/grey sand.	Davesia sp., Eucalyptus marginata and Banksia sp. Pinus plantation on other side.		Field name: Pink-gilled Amanita.	GPS	1	25/05/2006
5692	8320942	18195	Amanita carneiphylla	3	Immature, only a few spores seen: [20/1] ex lamella mean 12.0 x 5.6 um, Q=2.14, range (9.5-) 11-13 x 5-6 (-6.5) um, Q: (1.73-) 1.83-2.60. Marginal cells: up to 50 um long x 15 um wide, clavate, ovoid, pyriform, colourless, thin walled. Clamps abundant. H	Emerging from deep sand.	Degraded native vegetation, species of plants nearby: Eucalyptus marginata, Pinus pinaster.			UNK	2	11/06/1989
5693	8320950	18195	Amanita carneiphylla	3	Spores [15/1] ex lamella, mean 11.1 x 5.6, Q=2.00, range: (9-) 10-12 (-12.5) x 5-6 (-6.5), Q: (1.8-) 1.82-2.20 (-2.40). Clamps abundant. Habit: single basidiome.		Degraded native vegetation, species of plants nearby: Eucalyptus marginata.		Badly chewed by insects.	UNK	2	25/04/1989
5694	8320969	18195	Amanita carneiphylla	3	Immature, no spores seen, clamp abundant. The universal veil on the pileus is composed of both inflated cells in short chains and filamentous hyphae. These hyphae and cells have a more or less anticlinal orientation, but there is also a lot of interweavi	Emerging from deep sand.	Degraded native vegetation, species of plants nearby: Eucalyptus marginata. Pinus pinaster.			UNK	2	4/06/1988
5696	8587043	45013	Amanita drummondii	3		In sandy soil.	Wet eucalpt woodland, nearby Corymbia calophylla.		GenBank KF803241.	GPS	1	29/06/2011

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5703	8725683	45013	Amanita drummondii	3	Pileus 50 mm diameter, hazel in centre, paler towards the margin (5-6D4), 4 mm thick, striate margin (6/25), surface slightly tacky when moist, no smell. Universal veil on pileus a pale vinaceous buff (5B3) submembranous, adnate, patch in the centre. Lam	Eucalypt woodland.	Nearby woody plants: Eucalyptus marginata, Jacksonia furcellata.	single specimen.		GPS	1	6/06/2015
5708	8587167	43543	Amanita fibrilopes	3		In soil under [E.] rudis.	Eucalyptus rudis woodland.	several, one collected.		GPS	1	8/07/2014
5712	8347395	43543	Amanita fibrilopes	3		In soil under Marri.	Marri/paperbark woodland.			GPS	1	28/05/2010
5714	8347379	43543	Amanita fibrilopes	3		In leaf litter, in sandy soil.	Eucalypt/paperbark woodland, nearby Corymbia calophylla and Melaleuca preissiana.			GPS	1	18/05/2008
5715	8347387	43543	Amanita fibrilopes	3		In leaf litter, in sandy soil.	Eucalypt/paperbark woodland, nearby Corymbia calophylla and Melaleuca preissiana.			GPS	1	18/05/2008
5723	8353158	43543	Amanita fibrilopes	3	Large collection of all ages.		Eucalypt/paperbark woodland with Banksia ilicifolia and B. attenuate; nearby trees and other woody plants: Corymbia callophylla and Melaleuca preissiana.			GPS	1	18/05/2008
5732	9004629	43543	Amanita fibrilopes	3	Pileus 76 mm diameter, white with very pale pink flush, plane with decurved margin, margin not striate, slightly appendiculate. Universal veil on pileus as small straight sided warts over whole of the disc, adnate, floccose, white. Lamellae white, free,		Degraded eucalypt woodland with Corymbia calophylla.	one.		GPS	1	9/07/2017
5779	8942064	48332	Amanita preissii	3	Pileus 50-60 mm diameter, white, plane with decurved margin, dry, margin not striate, appendiculate. Universal veil on pileus as a thin, floccose layer over whole of disc, ivory white (B), adnate. Lamellae ivory white (B), adnexed, 6 mm broad, margin con		Jarrah/marri/banksia woodland. Eucalyptus marginata, Hibbertia hypericoides.	two.		GPS	1	18/06/2017
5780	7616538	48332	Amanita preissii	3	Mode of Life: unknown.		Eucalyptus marginata.			UNK	3	7/05/1989
5781	3096718	48332	Amanita preissii	3						MAN	0	5/05/1990
5782	8774811	48332	Amanita preissii	3	Pileus to 40-65 mm diameter, white, convex when young becoming plane, smooth, slightly viscid, margin appendiculate when young. Universal veil on pileus of small thin patches in centre of disc, ivory white (B). Lamellae ivory white (B), adnexed. Stipe 75		Eucalypt plantation. Nearby woody plants: Eucalyptus marginata.	collection.		GPS	1	13/06/2004
5785	3097110	48332	Amanita preissii	3						MAN	0	24/05/1992
5787	7587392	48332	Amanita preissii	3		In deep sandy soil.	Under Eucalyptus marginata and Pinus pinaster.			MAN	0	7/05/1989

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5788	2224518	48332	Amanita preissii	3		In deep sandy soil.	Under Eucalyptus marginata and Pinus pinaster.		Sporeprint. The collection date is incorrect. It should be 7 May 1989. E.M. Davison 24/05/2017.	MAN	0	7/05/1989
5790	8774803	48332	Amanita preissii	3	Pileus 25-75 mm diameter, Ivory white (B), plane, smooth, slightly viscid, margin appendiculate with remains of partial veil that age saffron. Universal veil on pileus of small to large warts in centre of disc, initially white, aging saffron. Lamellae iv		Eucalypt plantation. Nearby woody plants: Eucalyptus spp.	collection.	ITS sequences Genbank JX398317, nuLSU not yet deposited.	GPS	1	18/06/1995
5792	8774781	48332	Amanita preissii	3	Pileus to 74 mm diameter, Ivory white (B), convex when young becoming plane, smooth, viscid when moist, margin appendiculate. Universal veil on pileus of small thin patches in centre of disc, initially ivory white (B), aging saffron. Lamellae ivory white		Eucalypt plantation. Nearby woody plants: Eucalyptus spp.	collection.	ITS sequence Genbank JX398318, nuLSU, BTUB, EF not yet deposited.	GPS	1	2/07/1995
5803	9224491	48332	Amanita preissii	3	Pileus 42, 48 mm diameter, white, convex, margin appendiculate, no smell, context white, unchanging. Universal veil on pileus ivory white (B), as a thin patch over the central two thirds of the disc, felted. Lamellae ivory white, to 4 mm broad, narrowly		Degraded native vegetation with Eucalyptus marginata.	two.		GPS	1	5/06/2016
5804	8793549	45014	Amanita quenda	1	Pileus 40, 50 mm diameter, 4 mm thick, pale vinaceous buff (pale 5B2) white at margin, convex becoming plane, margin not appendiculate, surface slightly tacky, context white. Universal veil on pileus white, as small straight sided warts mainly in the cen	Sand.	Moist eucalypt wetland. Nearby woody plants: Kunzea ericifolia.	two.		GPS	1	8/05/2016
5805	8587116	45014	Amanita quenda	1		In sandy soil.	Paperbark/Eucalyptus rudis/Kunzea peaty swamp.		ABRSS. GenBank KP137063.	GPS	1	27/07/2011
5807	8587078	45014	Amanita quenda	1		Amongst Kunzea bushes.	Kunzea, Eucalyptus rudis woodland.			GPS	1	9/06/2012
5808	8587051	45014	Amanita quenda	1		At base of Astartea bushes.	Paperbark/Eucalyptus rudis/Astartea peaty swamp.			GPS	1	9/06/2012
5809	8587035	45014	Amanita quenda	1		In sandy soil.	Kunzea bush.	3 collected.		GPS	1	26/06/2011
5810	8587124	45014	Amanita quenda	1		In sandy soil.	Kunzea bush.	single specimen.		GPS	1	27/07/2011

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5811	8793433	43542	Amanita wadjukiorum	3	Pileus 45, 60 mm diameter, clay buff, plane, surface viscid when moist. UV on pileus smoke grey, breaking up into thin small patches, adnate. Lamellae white, adnexed, to 6 mm broad, lamellulae truncate and attenuate, frequent. Stipe total length 85, 105	Sandy soil.	Small plantation of exotic and local eucalypts. Nearby woody plants: eucalypts.	two.		GPS	1	18/06/1995
5812	8942137	43542	Amanita wadjukiorum	3	Pileus 90 mm diameter, milky coffee (5D4-6D4), plane with depressed centre and upturned margin, dry, margin not striate, appendiculate. Universal veil on pileus as large straight sided warts in centre of disc, vinaceous buff (6B2), adnate. Lamellae cream		Jarrah/marri/banksia woodland. Eucalyptus marginata, Corymbia calophylla.	one.		GPS	1	18/06/2017
5815	8403945	43542	Amanita wadjukiorum	3		In leaf litter.	Under Allocasuarina fraseriana.			GPS	1	4/08/2002
5816	8774307	43542	Amanita wadjukiorum	3					This specimen was previously databased as PERTH 03097099.	MAN	0	25/04/1990
5817	8403899	43542	Amanita wadjukiorum	3		In sand covered with wood chips.	Nearby Corymbia calophylla and C. citriodora.			GPS	1	21/07/2012
5818	8403961	43542	Amanita wadjukiorum	3		In sand covered with wood chips.	Nearby Corymbia calophylla and C. citriodora.			GPS	1	11/08/2008
5819	8403953	43542	Amanita wadjukiorum	3		In sand covered with wood chips.	Nearby Corymbia calophylla and C. citriodora.			GPS	1	8/07/2008
5821	8403929	43542	Amanita wadjukiorum	3		In soil.	Remnant vegetation.			GPS	1	5/07/2003
5824	8690510	43542	Amanita wadjukiorum	3	Pileus 67 mm diameter, 7 mm thick, snuff brown (6E5-6), margin appendiculate, surface dry, no smell, context white, grey beneath the centre of the pileus. Universal veil on pileus milky coffee/clay buff (6D3), as small thin patches over the central half	Degraded native vegetation.	Nearby woody plants: Corymbia calophylla.	single specimen.		GPS	1	28/06/2015
5827	8690553	43542	Amanita wadjukiorum	3	Pileus 82 mm diameter, 6 mm thick, vinaceous buff (5B2), paler at margin, margin appendiculate, surface dry, mushroom smell, context white. Universal veil on the pileus pale smoke grey/vinaceous buff (5C2), crustose, breaking into flat patches and a few	Degraded native vegetation.	Nearby woody plants: Jacksonia furcellata, Corymbia citriodora, Melaleuca.	single specimen.		GPS	1	26/07/2015

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5828	8725675	43542	Amanita wadjukiorum	3	Pileus 61-87 mm diameter, pale vinaceous buff 5-6B2, appendiculate margin, surface slightly tacky when moist. Universal veil on pileus smoke grey to pale drab 5C-D2, initially crustose developing as soft, conical warts mainly in the centre. Lamellae ivory		Degraded native vegetation. Nearby woody plants: Eucalyptus marginata, Banksia attenuata, Xanthorrhoea preissii.	collection.		GPS	1	1/06/2015
5835	8403910	43542	Amanita wadjukiorum	3		In woodchips near Eucalypts.	Degraded native vegation.			GPS	1	14/08/2012
5836	3096815	46333	Amanita wadulawitu	2						MAN	0	17/04/1990
5837	3096742	46333	Amanita wadulawitu	2						MAN	0	5/04/1992
5838	3096890	46333	Amanita wadulawitu	2						MAN	0	5/05/1991
5839	3096688	46333	Amanita wadulawitu	2						MAN	0	29/04/1990
5840	3096882	46333	Amanita wadulawitu	2						MAN	0	5/05/1990
5841	3096874	46333	Amanita wadulawitu	2						MAN	0	14/04/1991
5842	8615853	46333	Amanita wadulawitu	2	Cap: 77 mm in diameter, planar, white, margin smooth, cap surface has tiny pointed warts over most of it, these are grey probably stained from the sandy soil. Gills: Convex, adnate, 3 sets of lamellulae, cream, margin smooth (x 10 lens). Stipe: Robust, 2	Growing in sand.		3 fruiting bodies.	When cut the flesh had areas of grey bruising.	UNK	2	20/05/2005
5843	8615845	46333	Amanita wadulawitu	2	Cap: 91 & 71 mm in diameter, white but stained and encrusted with soil, almost entirely covered with tiny flat white warts, margin smooth, not noticeably appendiculate. Caps are planar, gills are upraised. Gills: Creamy white, adnexed pulling free, 3 set	Growing in sand.	Under Eucalyptus marginata.	two fruiting bodies found.		UNK	2	14/05/2005
5844	8615810	46333	Amanita wadulawitu	2	Cap: 85, 60 & 36 mm in diameter, white to cream in colour but heavily stained with soil, margin not striate nor appreciably appendiculate, densely covered with tiny pointed warts at the cap centres interspersed with scattered flat white scraps these are	Growing in sand.	Near mixed eucalypts.	three fruiting bodies.		UNK	2	14/05/2005

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5845	8615837	46333	Amanita wadulawitu	2	Cap: 59 mm in diameter, planar, incurved margin, dirty white scraps of UV all over cap but most densely packed at the centre. Gills: Adnate pulling free, 3 sets of lamellulae, margin fimbriate (x 10 lens). Stipe: Almost all of length was beneath the leve	Growing in sand.		single fruiting body.		UNK	3	20/05/2005
5847	8616132	46333	Amanita wadulawitu	2	Macroscopic characters: Pileus: 90 mm, white, plane, margin appendiculate, non- sulcate, surface slightly viscid, context white, 14 mm thick in centre, slight mustard smell. Universal veil on pileus: white, friable covering the whole pileus, adnate. Lamel	In deep sand.	Near Corymbia calophylla.			UNK	2	13/05/2007
5849	8616043	46333	Amanita wadulawitu	2	Macroscopic characters: Pileus: 47-105 mm, white, 9-16 mm thick in centre, plane becoming slightly depressed with age, margin slightly appendiculate, non- sulcate, context white becoming pale vinaceous buff (5B2) in centre in old specimens after cutting,	In deep sand.	Under Corymbia calophylla.			UNK	2	3/05/2008
5850	8725624	46333	Amanita wadulawitu	2	Pileus 50-80 mm diameter, white, appendiculate margin, covered with white, felty universal veil which is breaking into small patches. Lamellae white, adnate, crowded. Stipe total length 120-140 mm, to 25 mm thick, white, with a superior, soft descendant,	Degraded native vegetation.	Nearby woody plants: Eucalyptus spp.	collection.		TOPO	3	8/06/1995
5851	3096661	46333	Amanita wadulawitu	2						MAN	0	22/04/1990
5854	3096785	46333	Amanita wadulawitu	2						MAN	0	17/05/1992
5856	7551657	46333	Amanita wadulawitu	2	(i) fusoid, turnip-like stem with large, adhering apical, striate annulus; (ii) overall white to cream colours; (iii) occurring deeply buried in the sand. Pileus: to 70mm diameter; flat-convex with incurved, thick margin, finally expanding to become sligh	Deeply buried in sand.	Eucalyptus marginata.			TOPO	3	3/06/1995
5860	3096750	46333	Amanita wadulawitu	2						MAN	0	10/05/1992
5861	3096912	46333	Amanita wadulawitu	2						MAN	0	12/04/1992
5862	3096793	46333	Amanita wadulawitu	2						MAN	0	12/05/1991
5863	3096807	46333	Amanita wadulawitu	2						MAN	0	29/03/1992

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
5864	8615861	46333	Amanita wadulawitu	2	Cap: 69, 65 & 42 mm in diameter, slightly upturned, margin not striate nor appreciably appendiculate, caps white, there are tiny pointed warts densely packed at the cap centres, towards the margins there are sparsely scattered flat white scraps. Gills: W	Growing in sand.	Near mixed eucalypts.	three fruiting bodies.		UNK	2	14/05/2005
5865	9144404	46333	Amanita wadulawitu	2	Pileus 57-92 mm diameter, initially white becoming very pale SB2, very pale buff with age, convex becoming plane with depressed centre, margin slightly appendiculate when young, no smell, context white, unchanging. Universal veil on pileus white becoming		Eucalypt plantation, near Corymbia calophylla.	collection.		GPS	1	26/04/2015
5866	3096920	46333	Amanita wadulawitu	2						MAN	0	8/04/1990
6586	9020209	7831	Angianthus micropodioides	3	Small, erect annual. Aspect grey-green. Florets yellow.	Subsaline flats. Seasonally wet, grey clay-loam.	Open Casuarina obesa woodland. With Melaleuca raphiophylla, M. viminea & Sarcocornia sp.	locally common in pockets.		GPS	1	21/11/2015
7130	8016240	141	Aponogeton hexatepalus	4	Aquatic, floating, perennial, rhizomatous herb. Flowers green-white.	Plain. Grey sand. Seasonal wetland.	Melaleuca raphiophylla.	50 plants over 3 sq m.		GPS	1	20/05/2007
7131	6969496	141	Aponogeton hexatepalus	4	Tuberous aquatic herb. Flowers white; plants in bud, flower and fruit.	Shallow water filled claypans. Grey brown clay.	Melaleuca laterita open low shrubland over sedges (Chorizandra, Meeboldinia and Chaetanthus).	several hundred plants.		GPS	1	25/07/2004
7774	6600840	38481	Austrostipa jacobiana	T	Perennial grass clump. height: 110 cm and width: 20 cm at base of clump. Lemma lobes, most florets shed.	Soil surface: leaf litter. Colour: grey. Type: sandy clay, hard set. Landform: sand plain. Geology: granite. Collected from east side of road verge next to cleared farmland.	Remnant bushland. Species: Eucalyptus calophylla, Acacia sp., Xanthorrhoea sp., Eragrostis curvula, Paspalum dilatatum, Avena sp.	about 100 plants in two groups of about 50, on each side of the road.	Only known Austrostipa juncifolia in Perth region.	MAN	3	29/12/2003
7775	7770111	38481	Austrostipa jacobiana	T	Erect, perennial, caespitose grass. 1.2 m high x 0.15 m wide. Flowers green. Reproductive method: seeds.	Roadside on coastal plain. Dry white/grey sand, well drained.	Xanthorrhoea and Acacia shrubs with Eragrostis curvula dominant grass.	21-50 plants.	Population structure: adult, 50% fruiting. Other alien species: many (4 of more).	GPS	1	14/11/2003
7776	6534252	38481	Austrostipa jacobiana	T	Tufted rhizomatous herb.					TOPO	2	10/12/1995
7777	8790450	38481	Austrostipa jacobiana	T	High dehisced fruit, moderate mature fruit.	Plain. Grey sand.	Open Corymbia woodland. Associated species: Corymbia calophylla, Hakea sp., Poaceae sp., Viminaria juncea, Xanthorrhoea sp.	>100 plants.		GPS	1	22/10/2015

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7778	8816492	38481	<i>Austrostipa jacobsoniana</i>	T	Clumping, perennial grass. 0.6 m (in spike to 1.1m) x to 0.5 m wide.	Low Open Plain to Dampland. Flat. Grey sandy clay.	Remaining vegetation on road verge is <i>Corymbia calophylla</i> trees over <i>Xanthorrhoea preissii</i> , <i>Viminaria juncea</i> and <i>Jacksonia sternbergiana</i> over occasional <i>Phyllanthus calycinus</i> , <i>Tricoryne elatior</i> , <i>Lepidosperma longitudinale</i> and <i>Mesomelaena tetragona</i> . Assoc	113 mature plants on north and south sides of the road verge.	The site is extensively cleared for rural and urban development. Evidence of herbicide spraying and slashing of the road verges.	GPS	1	30/01/2014
7779	8816506	38481	<i>Austrostipa jacobsoniana</i>	T	Clumping, perennial grass. 0.6 m (in spike to 1.1m) x to 0.5 m wide.	Low Open Plain to Dampland. Flat. Grey sandy clay.	Remaining vegetation on road verge is <i>Corymbia calophylla</i> trees over <i>Xanthorrhoea preissii</i> , <i>Viminaria juncea</i> and <i>Jacksonia sternbergiana</i> over occasional <i>Phyllanthus calycinus</i> , <i>Tricoryne elatior</i> , <i>Lepidosperma longitudinale</i> and <i>Mesomelaena tetragona</i> . Assoc	113 mature plants on north and south sides of the road verge.	The site is extensively cleared for rural and urban development. Evidence of herbicide spraying and slashing of the road verges.	GPS	1	30/01/2014
12194	1488635	3178	<i>Byblis gigantea</i>	3						AUTO	3	21/11/1966
12205	1488651	3178	<i>Byblis gigantea</i>	3	Flowers deep pink.	On sandy flat.	With Rushes, <i>Stackhousia</i> , <i>Verticordia</i> .			AUTO	3	29/02/1960
12207	3415015	3178	<i>Byblis gigantea</i>	3	Perennial soft shrub, from rootstock. In flower, flowers pink-purple, anthers yellow.	Winter wet, grey sandy clay over clay.	<i>Melaleuca teretifolia</i> open shrubland.		Abundance: scattered in area.	MAN	0	29/12/1992
12216	6439845	3178	<i>Byblis gigantea</i>	3	Insectivorous plant. Flowers purple through to various shades of pink.	Growing in black sandy soil.				MAN	2	31/12/1991
12217	6439853	3178	<i>Byblis gigantea</i>	3	Insectivorous plant. Flowers purple through to various shades of pink.	Growing in black sandy soil.				MAN	2	11/11/1991
12525	4647882	1596	<i>Caladenia huegelii</i>	T	Geophyte c. 65 cm high.	Coastal plain, grey sand.	Open <i>Banksia</i> woodland - Open sedge dominated areas. <i>Anigozanthus manglesii</i> , <i>Hibbertia</i> spp., <i>Stirlingia latifolia</i> , <i>Conostylis</i> spp., <i>Eucalyptus calophylla</i> .		Abundance: 1 seen.	MAN	0	3/10/1996
12528	908622	1596	<i>Caladenia huegelii</i>	T	To 80 cm tall, one with two flowers, no odour.	In grey sand on gently undulating terrain.	Low woodland - low forest over scrub and heath; <i>Banksia attenuata</i> , <i>B. menziesii</i> , <i>B. ilicifolia</i> , <i>Allocasuarina fraseriana</i> , <i>Eucalyptus todtiana</i> , <i>E. marginata</i> over <i>Adenanthos</i> .		Abundance: four plants in full flower.	MAN	3	9/09/1985
12529	908630	1596	<i>Caladenia huegelii</i>	T		Gently undulating sandplain.	Low woodland over low heath; <i>Banksia</i> , <i>Casuarina</i> , <i>Eucalyptus marginata</i> over <i>Xanthorrhoea</i> .		Abundance: 1 plant in first flower.	MAN	3	9/09/1985
12531	256463	1596	<i>Caladenia huegelii</i>	T		On sandy rises in gently undulating terrain.	<i>Eucalyptus marginata</i> - <i>Banksia</i> woodland. Burnt previous summer.	Scattered.	Abundance: Scattered.	MAN	3	26/09/1983
12532	255955	1596	<i>Caladenia huegelii</i>	T		Sand.	Open low woodland, heath; <i>Eucalyptus marginata</i> , <i>Casuarina fraseriana</i> , <i>Banksia attenuata</i> , <i>B. ilicifolia</i> over heath of <i>Melaleuca</i> .	2 plants.	Abundance: 2 plants.	MAN	3	21/09/1983
12536	256021	1596	<i>Caladenia huegelii</i>	T		In sandy soil.	Jarra - <i>Banksia</i> woodland.			MAN	3	7/09/1958

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12537	256013	1596	Caladenia huegelii	T		In sand.	Open low woodland, heath; Eucalyptus marginata, Casuarina fraseriana, Banksia attenuata, B. ilicifolia over heath of Melaleuca.			MAN	3	21/09/1983
12539	327476	1596	Caladenia huegelii	T		On sandy rises in gently undulating terrain.	Eucalyptus marginata - Banksia woodland. Burnt previous summer.	scattered.		MAN	3	26/09/1983
12540	4421213	1596	Caladenia huegelii	T	Up to 60 cm high.	Coastal plain. Grey sand.	Closed Banksia woodland. Banksia sp., Stirlingia latifolia, Hibbertia spp., Hypocalymma robustum, Conostephium pendulum		Abundance: 23 plants flowering. Plants found only in 'depression' ca 50 m x 75 m.	GPS	1	20/09/1996
12541	4421205	1596	Caladenia huegelii	T	Up to 60 cm high.	Coastal plain. Grey sand.	Closed Banksia woodland. Banksia sp., Stirlingia latifolia, Hibbertia spp., Hypocalymma robustum, Conostephium pendulum		Abundance: 23 plants flowering. Plants found only in 'depression' ca 50 m x 75 m.	GPS	1	20/09/1996
12546	6752624	1596	Caladenia huegelii	T	Ca 30 cm tall. Linear hairy leaf 15 cm x 1 cm.	Grey sand.	Low open woodland of Melaleuca preissiana over Low Open Shrubland of Melaleuca thymoides over Dasypogon sp. and Desmodcladus sp. herbland on lower slopes.	2 mature plants, one dead over 2 sq m.	Condition of population: healthy.	GPS	1	30/10/2003
12548	6069800	1596	Caladenia huegelii	T	Perianth greenish yellow with pale red markings; labellum white at base; maroon in upper half; fringe greenish yellow.					MAN	3	3/10/1979
12550	7501080	1596	Caladenia huegelii	T		Deep grey sand soil.	Banksia attenuata, B. menziesii, Allocasuarina fraseriana woodland over low shrubs and annuals.	35+ plants.		TOPO	3	2/10/1991
12551	7439938	1596	Caladenia huegelii	T		Private land. Flat. White / grey sand.		452 mature plants.	Healthy population but at risk from disturbance given location and proximity to sand.	GPS	1	21/10/2004
12554	255971	1596	Caladenia huegelii	T	Perianth pale cream; labellum apex deep maroon.	Sand.	Low woodland of Banksia attenuata, B. menziesii with some Casuarina fraserana and Eucalyptus marginata.			MAN	3	7/09/1977
16311	8528535	16245	Cyathochaeta teretifolia	3	Tufted rhizomatous herb, 1 - 2 m high x 1 - 2 m wide. In fruit, about 20% flowered last year.	Flow line in swamp with black peaty sand.	Melaleuca preissiana low forest over Cyathochaeta teretifolia tall sedgeland.	locally abundant.		UNK	2	2/07/2008
16337	6534163	16245	Cyathochaeta teretifolia	3						MAN	3	10/12/1995
16717	8298815	7485	Dampiera triloba	3	Shrub.	Coastal plain. Damp peaty sand.				UNK	2	26/10/2010

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16729	8755434	7485	Dampiera triloba	3	Erect spreading branched herb to 30 cm tall. Leaves clustered. Plants flowering at the time of collection. Purple.	Dark brown/black peaty soils.	Low woodland to open forest of Eucalyptus rudis, Banksia attenuata and Melaleuca preissiana. Low open shrubland of Taxandria linearifolia, Gastrolobium ebracteolatum and Pteridium. Closed sedgeland of Baumea sp.	1 mature plant.	Project: 3516.	GPS	1	8/10/2015
16730	9023828	7485	Dampiera triloba	3	Compact, prostrate, perennial herb, 40 cm high x 1 m wide. Blue flowers.	Wetland. Reserve. Grey loam.	Tall trees with Melaleuca preissiana and Corymbia calophylla and sedges.	21 - 50 plants.	Population structure: 50% flowering.	MAN	3	2/11/2008
18779	9011854	10796	Diuris drummondii	T		Burnt swamp.				MAN	4	30/11/1980
18780	9012524	10796	Diuris drummondii	T						MAN	4	1/11/1959
18789	8891451	10796	Diuris drummondii	T						MAN	3	6/12/1959
18822	8891648	1637	Diuris purdiei	T						MAN	3	21/09/1984
18835	9238883	1637	Diuris purdiei	T	Full flower.	Peaty sand waterlogged.	Recently burnt scattered emergent Melaleuca paperbarks, Byblis gigantea, Thelymitra mucida, Prasophyllum regium, Cyrtostylis tenuissima.	1000+ plants.	Drains in D. purdiei population.	TOPO	2	9/10/1986
18836	9238891	1637	Diuris purdiei	T	Full flower.	Peaty sand waterlogged.	Recently burnt scattered emergent Melaleuca paperbarks, Byblis gigantea, Thelymitra mucida, Prasophyllum regium, Cyrtostylis tenuissima.	1000+ plants.	Drains in D. purdiei population.	TOPO	2	9/10/1986
18913	4260171	4763	Dodonaea hackettiana	4						AUTO	2	28/11/1993
18917	1157663	4763	Dodonaea hackettiana	4	Shrub 2.5 m high. Fruit red/green.	Grey sand.				MAN	3	20/12/1980
18918	1157566	4763	Dodonaea hackettiana	4						MAN	3	11/11/1981
18919	1157655	4763	Dodonaea hackettiana	4					2159/62/2.	MAN	3	/09/1962
18921	1157132	4763	Dodonaea hackettiana	4	Erect shrub, 2 m high, variable age structure.	Disturbed area, in sandy paddock.	Eucalyptus marginata open forest, with grasses, Carpobrotus sp.		Abundance: large population, dominant shrub. (Within population 3262-3267).	MAN	3	5/12/1978
18922	1157124	4763	Dodonaea hackettiana	4	Erect shrub, 1 m high, variable age structure.	Disturbed area, in sandy paddock.	Eucalyptus marginata open forest, with grasses, Carpobrotus sp.		Abundance: large population, dominant shrub. (Within population 3262-3267).	MAN	3	5/12/1978
18924	1157612	4763	Dodonaea hackettiana	4	Erect shrub, of small tree, 4 - 5 m high.	Sand with outcropping limestone.	Tall danse Banksia forest.		(Within population 3268-3271).	MAN	3	5/12/1978

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18937	9094156	4763	Dodonaea hackettiana	4	Shrub 2 m high.	Grey sand.	Banksia menziesii, B. attenuata, B. ilicifolia low open forest over Dodonaea hackettiana, Xanthorrhoea preissii over Dasypogon bromeliifolius open sedgeland. Associated species: Leptospermum erubescens.	10 within a 100 square metres.		GPS	1	12/10/2015
19001	231282	1639	Drakaea elastica	T		In deep grey sand on gradual slopes in undulating plain.	Low woodland of Banksia attenuata, B. menziesii, B. ilicifolia, and Jarrah over scrub of Adenanthos cygnorum and Kunzea over herbs.	ca 60 plants.	Abundance: ca 60 plants.	MAN	3	28/10/1982
19019	231797	13635	Drakaea micrantha	T		Alongside winter wet swamp in sand.	Growing in Casuarina and Banksia woodland with Eucalyptus marginata and E. calophylla.	five plants, only two in flower.		TOPO	3	/09/1982
20111	2404842	17150	Eremophila glabra subsp. chlorella	T		Damp flat.				MAN	4	24/07/1901
32738	4055772	6233	Hydrocotyle lemnoides	4	Floating in pools.	In pools c. 30-40 cm deep.				MAN	0	19/09/1985
32816	6609953	11074	Hydrocotyle striata	1						MAN	3	8/10/1970
33856	1595636	20462	Jacksonia gracillima	3	Decumbent shrub, ascending branches to 50 cm, plant to 1.5 m across. Flowers yellow-red, in full flower.	Sand dune. Grey sand over white sand.	Banksia attenuata/B. Menziesii low woodland.		Abundance: common in area.	MAN	0	9/11/1990
33857	1595644	20462	Jacksonia gracillima	3	Prostrate or decumbent shrub, branches ascending to 50 cm x 1.5 m wide. Flowers orange-red. In flower.	Winter wet flats, peaty sand over clay.	Kunzea recurva shrubland.		Abundance: common in area.	MAN	0	9/11/1990
33865	5206472	20462	Jacksonia gracillima	3	Spreading, compact shrub 100 cm high x 100 cm wide. Standard orange with darker band near base, wings orange, keel darker orange. Buds very angular.	Swan Coastal plain, winter wet Bassendean Sands. Littered, grey, peaty, loamy sand.	Open Low Woodland B over Dense Heath B over Low Sedges (Muir 1977). With Melaleuca preissiana, Pericalymma elliptica, Melaleuca seriata.	locally common.		GPS	1	15/11/1998
33870	6836445	20462	Jacksonia gracillima	3	Low spreading shrub to 30 cm x 120 cm. Standard yellow-orange with red band close to base and yellow eye; wings yellow-orange in distal half, red basally, keel red.	Coastal plain, low flat. Dry, but in area of high water table. Grey sand.	Open heath over dense herbs. Kunzea glabrescens, Melaleuca thymoides, Dasypogon bromeliifolius, Phlebocarya ciliata.	occasional.		GPS	1	12/11/2003
33873	6533345	20462	Jacksonia gracillima	3	Low spreading semi-prostrate shrub, buds and flowers, flowers orange.	Flat ground, grey and brown sand over ?sand, well drained.	Low Forest A, Associated species: Allocasuarina fraseriana, Banksia menziesii.			GPS	1	25/10/1994
33874	8642176	20462	Jacksonia gracillima	3	Shrub.		Melaleuca preissiana and Nuytsia floribunda open woodland over Kunzea glabrescens tall shrubland over Astartea scoparia, Regelia ciliata and Jacksonia gracillima open heath.			GPS	1	24/11/2011

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33875	8642214	20462	Jacksonia gracillima	3	Shrub.		Melaleuca preissiana low woodland over Astartea scoparia and Xanthorrhoea preissii open shrubland, over Hypocalymma angustifolium, Euchilopsis linearis and Adenanthos obovatus low shrubland over Cyathochaeta avenacea and Lepidosperma squamatum open sedge			GPS	1	3/10/2011
33876	8642222	20462	Jacksonia gracillima	3	Shrub to 0.5 m.	Flat of grey sand.	Melaleuca preissiana low open woodland over Regelia ciliata, Acacia pulchella and Kunzea ericifolia open heath over Meeboldina scariosa and Lepidosperma sp. open sedgeland over Phlebocarya filifolia very open herbland.			GPS	1	3/10/2011
33879	4463773	20462	Jacksonia gracillima	3	Swamp Form. Low spreading shrub.	Soil: Grey sand. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain).	Vegetation: Hypolaena exsulca, Lyginia barbata Dense Low Sedges.			GPS	1	31/10/1992
33880	9137343	20462	Jacksonia gracillima	3	Low spreading shrub, 40 cm high x 1 m wide.	Low lying sand dune. Peaty grey sand with leaf litter. Fire >10 years.	Low open forest of Allocasuarina fraseriana. Associated species: Melaleuca preissiana, Xanthorrhoea preissii, X. brunonis, Kunzea glabrescens, Dasypogon bromeliifolius, Phlebocarya ciliata, Schoenus efoliatus.	1 plant seen.		GPS	1	26/10/2017
33883	6836305	20462	Jacksonia gracillima	3	Low sprawling shrub usually 40 cm high x 80 cm wide (occasionally 70 cm high x 100 cm). Standard orange with darker orange band close to base, then with basal yellow eye; wings red in basal half then orange distally; keel red.	Coastal plain. Dry, grey sand. Edge of seasonal wetland.	Banksia woodland over dense heath 2-3 m. Banksia menziesii, B. attenuata, Melaleuca thymoides, Kunzea glabrescens.	locally common.		GPS	1	20/10/2003
33885	8415331	20462	Jacksonia gracillima	3	Decumbent perennial to 0.3 m high x 1.4 m diam.	Flat, well-drained but adjacent to winter-wet swamp; pale grey sand.	Banksia woodland.	infrequent.		GPS	1	14/11/2010
34045	8755353	4027	Jacksonia sericea	4	Low spreading shrub, silvery sericeous, in bud at the time of collection.	Grey, white sandy loam.	Low woodland to open forest of Banksia attenuata and Melaleuca preissiana. Banksia menziesii also common in the site.	1 mature plant.	Project: 3515.	GPS	1	28/10/2015
34200	8873712	4035	Kennedia beckxiana	4	Vigorous climbing shrub with twining stems climbing up a Melaleuca preissiana tree to a height of about 4 m. Glabrous leaves divided into 3 leaflets. Inflorescence stalked with obvious amplexicaule bract. Showy orange-red flowers, most still in bud but s	Poorly drained flat at edge of lake. Black loamy sand. Litter cover 20%, depth <1 cm. Moss cover 50%. Bare ground cover 20%.	Melaleuca preissiana Low Woodland, over an Open Tall Shrubland of Acacia longifolia and Kunzea glabrescens, over an Open Shrubland of Solanum nigrum, Climbers of Kennedia beckxiana and Fumaria sp., a Fernland of Pteridium esculentum, an Open Grassland of	Two plants present.	Plant is to be removed as it is invading native bushland where it is not a local native.	GPS	1	19/08/2016

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35825	6985246	942	Lepidosperma rostratum	T	Tufted perennial herb.	Seasonally wet poorly drained flat grey sandy clay.	Low dense sedgeland with scattered Melaleuca and Kunzea shrubs.	locally common.		GPS	1	16/06/2004
35834	4494156	942	Lepidosperma rostratum	T	Erect perennial sedge.	Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain). Soil: Grey sand.	Vegetation: Melaleuca uncinata Low Scrub B over Leptocarpus spp. Low Sedges.			GPS	1	31/10/1992
35835	4520831	942	Lepidosperma rostratum	T	Erect perennial sedge.	Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain).	Vegetation: Melaleuca uncinata Low Scrub B over Leptocarpus spp. Low Sedges.			GPS	1	12/05/1992
37015	8988226	7674	Levenhookia preissii	1	Erect, compact, annual herb, branched 3 times. 100 mm high x 45 mm wide. Flowers pink.	Wetland. Reserve. Dry grey sand.	Tall shrubland. Associated species: Hypocalymma angustifolium, Melaleuca seriata and Regelia ciliata.	one plant only.	Population structure: 100% flowering.	GPS	1	17/12/2011
37697	8893217	33638	Meionectes tenuifolia	3	Annual semi aquatic herb.	Seasonally wet poorly drained flat. Grey sand.	Melaleuca uncinata, Verticordia plumosa over Leptocarpus canus and Apodasmia ceramophila.		Vegetation condition: excellent. Claypan TEC, communities 7 & 8.	GPS	1	31/10/2013
38856	282235	33742	Microtis quadrata	4		In black peaty soil.	Under paperbarks.			AUTO	3	11/11/1960
39745	2245558	36200	Ornduffia submersa	4	Aquatic herb rooted in clay. Leaves and stems dying back.	Damp claypan.	Melaleuca hamulosa Heath B over open herbs and sedges.		Abundance: 6 plants counted	MAN	0	5/11/1990
39756	2245531	36200	Ornduffia submersa	4	Leaves elliptic, dying back.	Brown clay, winter wet depression. Dry claypan.	With herbs surrounded by Melaleuca hamulosa low scrub A over Pericalymma ellipticum, Regelia ciliata low heath C.			MAN	0	25/10/1990
39774	7684118	36200	Ornduffia submersa	4		On plain, grey sandy clay.	Open heath of Melaleuca viminea subsp. viminea, Calothamnus hirsutus, Verticordia densiflora and Chaetanthus aristatus. Associated species Actinostrobos pyramidalis, Schoenus rigens, Regelia ciliata, Pericalymma ellipticum, Lyginia imberbis.		Healthy population.	UNK	2	22/09/2004
40901	1084135	11557	Phlebocarya pilosissima subsp. pilosissima	3		Sand ridge.	In Banksia woodland.			MAN	2	23/05/1978
41150	5592224	5237	Pimelea calcicola	3	Erect, perennial, dwarf shrub.	Brown sand and protruding limestone.	Melaleuca/Acacia rostellifera patches. Associated vegetation: Dryandra sessilis, Phyllanthus calycinus, Hibbertia hypericoides, Ehrharta calycina.			MAN	0	10/11/1997
43711	6533337	974	Schoenus benthamii	3	Perennial sedge, flowers brown.					GPS	1	29/11/1994

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
43718	7325649	980	Schoenus capillifolius	3	Annual aquatic herb. In flower.	In very shallow water of drying claypan. Grey clay.	Melaleuca lateritia low open shrubland over herbs.		very common in herbfields in opening between shrubs.	GPS	1	30/10/2005
43856	8017042	1008	Schoenus pennisetis	3	Tiny perennial, to ca 8 cm tall. Forms a low mat.	Seasonally waterlogged sandy plain. Grey acid sands.	With heathy vegetation.			UNK	3	7/09/2007
43886	7693982	1008	Schoenus pennisetis	3	Very fine delicate tufted sedge to 0.06 m; small brown flower heads.					GPS	1	30/08/2007
45477	6550193	19704	Stenanthemum sublineare	2	Very low erect shrub, 7 cm high x 15 cm wide. Plants multistemmed at ground level - apparently lignotuberous. Flowers very insignificant, greeny cream.	Bassendean dunes. Littered dry surface. Grey sand.	Banksia woodland over mixed heath and herbs. Characteristic species: Banksia menziesii, B. attenuata, Acacia pulchella and Melaleuca thymoides.	1 plant seen.		GPS	1	15/10/2003
45521	1631063	18564	Stylidium aceratum	3	Annual herb, flowers pink with deep pink markings around throat-yellow.	Flat low drainage line, white sandy clay over clay.	Melaleuca (M. uncinata, M. incana, M. sp.) low open shrubland.		Abundance: abundant.	MAN	0	9/11/1990
46199	3172805	7756	Stylidium longitubum	4	Ephemeral herb, flowers pink.					AUTO	3	22/11/1973
46208	4052609	7756	Stylidium longitubum	4	Erect annual herb, flowers pink, with distinct red line across near throat.	Winter wet flats. Grey sandy clay over clay.	Melaleuca vinea tall shrubland.		Abundance: abundant in area.	MAN	0	30/11/1991
46236	8893306	7756	Stylidium longitubum	4	Annual herb.	Seasonally wet poorly drained flat.	Melaleuca viminea over weedy annual herbs and grasses.		Vegetation condition: good to poor. Claypan TEC, communities 7 & 8.	GPS	1	31/10/2013
46387	2857685	25800	Stylidium paludicola	3	0.5 m tall, flowers pink.	Near edge of swamp.	Amongst Juncus.			MAN	0	4/12/1974
46388	2857693	25800	Stylidium paludicola	3	Flowers pink.	Shady places in swampy ground.				AUTO	3	/08/1919
46390	2857642	25800	Stylidium paludicola	3		Swamp.	Under Melaleuca preissii.			AUTO	3	/11/1979
46394	7279906	25800	Stylidium paludicola	3	Herb to 0.4 m high. Flowers pink/red.	Gentle slope, south aspect, surface soil is dark grey loamy sand and sub surface soil is very dark grey brown sandy loam, drainage is poor and wet during winter and spring only.	Melaleuca preissiana, Kunzea glabrescens low open forest over Astartea scoparia, Hypocalymma angustifolium open shrubland over Lepidosperma longitudinale open sedgeland. Vegetation is in a pristine to excellent condition with some rabbit diggings and pot	scattered.		GPS	1	22/11/2005
46395	6239404	25800	Stylidium paludicola	3		In swampy area.				MAN	3	/11/1965
46397	5620856	25800	Stylidium paludicola	3	Upright herb 60-75 cm high x 5 cm wide. Pink trigger plant. Linear basal leaves in tufts 20-60 mm. One stem or stolon with rosette of leaves 35 cm up stem.	Dry swamp, sand. Fire previous summer.	Paperbark swamp. Melaleuca preissiana, sedges.	2-3 plants.		MAN	0	21/11/1999

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
46408	9137335	25800	<i>Stylidium paludicola</i>	3	Herbaceous perennial.	Dampland basin. Grey, peaty, moist sand. Fire >10 years.	Low open forest of <i>Melaleuca preissiana</i> . Associated species: <i>Astartea scoparia</i> , <i>Acacia pulchella</i> , <i>Aotus gracilis</i> , <i>Adenanthos obovatus</i> , <i>Xanthorrhoea brunonis</i> , <i>Hypocalymma angustifolium</i> , <i>Euchilopsis linearis</i> , <i>Burchardia bairdiae</i> , <i>Actinotus glomeratum</i> , <i>Scho</i>	occasional.		GPS	1	26/10/2017
47226	5572320	48297	<i>Styphelia filifolia</i>	3	Erect shrub, 60 cm high x 40 cm wide. Flowers white, spreading - pendulous. Plant single stemmed at ground level.	Coastal plain, winter damp. Dry, litter soil surface.	Open Low Woodland B over Dense Thicket (Muir 1977) with <i>Melaleuca preissiana</i> , <i>Regelia ciliata</i> and <i>Pericalymma ellipticum</i> .	occasional.		GPS	1	5/04/1999
47227	5791057	48297	<i>Styphelia filifolia</i>	3	Erect shrub, to 60 cm high x 60 cm wide. Flowers white, pendulous.	Coastal plain. Dry, littered, grey sand.	<i>Banksia</i> woodland with <i>Banksia attenuata</i> , <i>B. menziesii</i> , <i>B. ilicifolia</i> , <i>Stirlingia latifolia</i> , <i>Bossiaea eriocarpa</i> .	scattered.	Confined to lowest ground with <i>B. ilicifolia</i> .	GPS	1	6/05/2001
47233	5256925	48297	<i>Styphelia filifolia</i>	3	Erect open shrub, 70 cm high x 50 cm wide. Flowers cream.	Swan coastal plain (Bassendean Sands). Littered grey sand.	Low Woodland A over Low Woodland B over Scrub (Muir 1977). <i>Corymbia calophylla</i> , <i>Banksia attenuata</i> , <i>Adenanthos cygnorum</i> , <i>Kunzea glabrescens</i> , <i>Leucopogon conostephioides</i> , <i>L. oxycedrus</i> flowering in the area.			GPS	1	3/05/1998
47236	6443044	48297	<i>Styphelia filifolia</i>	3	Erect shrub to 60 cm high and 60 cm wide. Flowers white, strictly pendulous.	Sandy rise. Dry littered. Grey sand.	<i>Banksia</i> woodland. <i>B. attenuata</i> , <i>B. menziesii</i> , <i>Allocasuarina humilis</i> , <i>Stirlingia latifolia</i> .	scattered.		GPS	2	21/04/2002
47238	6851886	48297	<i>Styphelia filifolia</i>	3	Open shrub to 70 cm high x 50 cm wide. Plants fruiting.	Coastal plain. Littered, dry, grey sand.	<i>Banksia</i> woodland over mixed heath. <i>Banksia menziesii</i> , <i>B. attenuata</i> , <i>Acacia pulchella</i> , <i>Melaleuca thymoides</i> .	occasional.		GPS	1	15/10/2003
47248	6395686	48297	<i>Styphelia filifolia</i>	3	Upright shrub 70 cm high and 50 cm wide. Masses of white tubular flowers in upper axils.	Hill slope; grey sand.	<i>Banksia</i> woodland, <i>B. menziesii</i> , <i>Adenanthos cygnorum</i> .	4 plants over large area.		MAN	2	25/04/2002
47255	5306493	48297	<i>Styphelia filifolia</i>	3	Open shrub, 60 cm high x 60 cm wide. Flowers white.	Coastal plain. Littered grey sand.	Open Woodland over Low Forest B over Low Heath C over Herb (Muir, 1977). <i>Eucalyptus marginata</i> , <i>Banksia attenuata</i> , <i>Banksia menziesii</i> , <i>Scholtzia involucrata</i> , <i>Phlebocarya ciliata</i> .	occasional.		GPS	1	21/03/1999

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
48174	8186111	18590	Synaphea sp. Fairbridge Farm (D. T Papenfus 696)						Herbarium specimen made from fresh material collected by UWA Botany Dept. technical officer for the second year unit Land Plant diversity practical exam. No collection information available and area not revisited to relocate population.	TOPO	3	10/10/2004
49531	279188	1717	Thelymitra variegata	2		In yellow sand.	With Banksia attenuata, Casuarina fraseri, Hibbertia hypericoides, etc.			AUTO	3	16/08/1959
50397	1053566	1334	Thysanotus glaucus	4	Leaves glaucous, flowers deep purple, very thickly fringed, stamens 3, 1 larger.	On disturbed sandy soil.				MAN	3	29/02/1960
50400	1053981	1334	Thysanotus glaucus	4	Leaves glaucous, flowers deep purple, very thickly fringed. Stamens 3, 1 larger.	On disturbed sandy soil.				MAN	3	29/02/1960
50502	8730350	13783	Thysanotus sp. Badgingarra (E.A. Griffin 2511)	2						GPS	1	28/12/2014
51144	2170175	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Multi-stemmed herb to 60 cm. Flowers with long pedicels in paniculate inflorescences.	Moist sandy flat.	On edge of regenerating Regelia ciliata heath B.			MAN	0	11/12/1990
51145	2161613	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Glabrous herb to 50 cm high.	Low lying grey sand. Along edge of tracks.	Low scrub B and Dense Low Heath C with scattered Melaleuca preissiana. In cleared or open patches amongst heath.			MAN	0	18/12/1990
51146	2521296	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Slender erect multi-stemmed shrub to 40 cm. Flowers orange-yellow, in full flower.	Winter wet flats, peaty sand over clay.	Hypocalymma angustifolium low heath.	scattered groups of 5-15 plants.		MAN	3	21/02/1992
51148	5678749	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Open spreading shrub 60 cm high x 60 cm wide. Flowers yellow. Plant leafless at flowering.	Coastal plain (winter damp). Bare white sand.	Low Heath C (Muir, 77). Hypocalymma angustifolium, Euchilopsis linearis, Dasypogon bromeliifolius.	one only seen.		GPS	1	21/03/1999
51157	2170183	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Perennial herb with terete to linear leaves. Inflorescences paniculate.	Flat, grey-brown clayey sand.	Mixed low heath C with emergent Melaleuca preissiana, with Pericalymma ellipticum, Adenanthos obovatus and Hypocalymma angustifolium.	occasional.		MAN	0	18/12/1990
51158	2170159	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Herb to 60 cm high. Usually with c. 6 flowering spikes but as many as 15 counted.	Grey sand, low lying.	Regenerating heath with scattered Melaleuca preissiana with Nuytsia floribunda.	several 100 plants.		MAN	0	18/12/1990

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Geo_Met hod	Precision	Date
51159	2170167	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Erect perennial herb, glabrous. Leaves scattered. Flowers pedicellate, in branched inflorescences.	Grey sand, flat.	Melaleuca preissiana open low woodland A with Adenanthos obovata, Periclymma ellipticum, Hypocalymma angustifolium and Hakea varia.	2 plants recorded.	See. N. Casson Coll.9/6/1989	MAN	0	18/12/1990
51160	1114409	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Perennial herb; flowers dull yellow.	On sandy flat.	In low heath - sedgeland.			MAN	0	24/11/1980
52391	2166690	14714	Verticordia lindleyi subsp. lindleyi	4	Erect dwarf shrub with pink/purple flowers.	White grey loamy sand on seasonally wet flat ground.	In heath with Pericalymma elipticum, Banksia telmatiaea, sedges.		Abundance: 12 plants	MAN	0	11/05/1990
52400	2166682	14714	Verticordia lindleyi subsp. lindleyi	4	Upright dwarf shrub to 75 cm, flowers pink/purple.	Grey sand on swampy flat, winter wet.	Shrubland with emergent paperbarks, Melaleuca sp., Actinostrobis pyramidalis, Pericalymma elipticum.		Abundance: Abundant	MAN	0	13/03/1990
52413	2166704	14714	Verticordia lindleyi subsp. lindleyi	4	Erect dwarf shrub with pink/purple flowers.	Grey sand, flat terrain.	Heathland with Pericalymma elipticum, Beaufortia squarrosa, Dasyogon sp., Regelia inops, Melaleuca preissiana.		Abundance: 40 plants	MAN	0	11/05/1990
52415	4055500	14714	Verticordia lindleyi subsp. lindleyi	4	Erect shrub to 50 cm. Flowers pink, in flower.	Winter wet flats, grey sand over clay.	Banksia / Calothamnus low open heath.		Abundance: uncommon and scattered	MAN	0	30/11/1991
52430	7410670	14714	Verticordia lindleyi subsp. lindleyi	4		Road verge.	Woodland of Corymbia calophylla over open low heath to low shrubland of mixed species including Xanthorrhoea preissii.		Reproductive state: flowering. Potential threat from mining. Fire history not known. Population healthy.	GPS	1	8/01/2003
52440	8016232	14714	Verticordia lindleyi subsp. lindleyi	4	Perennial shrub 0.5 m high.	Plain. Grey sand. Poor drainage.	Melaleuca raphiophylla, Mel. preissiana.			GPS	1	20/09/2005
52446	8642168	14714	Verticordia lindleyi subsp. lindleyi	4	Shrub to 0.75 m.		Melaleuca preissiana and Nuytsia floribunda open woodland over Kunzea glabrescens tall shrubland over Astartea scoparia, Regelia ciliata and Jacksonia gracillima open heath.			GPS	1	24/11/2011

FID	Popld	NameID	Taxon	Cons Stat	WAR ank	Pop Num ber	Location	District	CountDate	Method	MatC ount	JuvCo unt	Seedl Cou nt	LiveT otal	Coun tType	AreaO ccupy	InFlo wer	PopCondit i	HabCondi ti	HabNotes	SoilCon dit	Landfor m	SoilTyp e	SoilCol or	Drainag e	AssSpecies	Veg_Stru_ A	Veg_dom A1	Veg_dom A2	Veg_Stru_ B	Veg_dom B1	Veg_dom B2	Veg_Stru_ C	Veg_dom C1	Veg_dom C2	Veg_Stru_ D	Veg_dom D1	Veg_dom D2			
315	86281	3237	Acacia benthamii	2		7	80 metres north of Passmore Road, halfway between Phoebo and Furley Roads in the suburb of Southern River, City of Gosnells. Land tenure is uncertain - herbarium record only.	SWAN COASTAL	9/12/2004 0:00		0		0				N			On a very low sand drift a few feet thick over clay. Viminaria juncea low open woodland.			SND_CL AY	YEL_BR WN		Viminaria juncea	Unknown Veg Class	Viminaria juncea													
1896	94378	18195	Amanita carneiphylla	3		1	Murdoch University, NFRZ EXTN area, along E-W firebreak.	SWAN COASTAL	3/06/1995 0:00	ESTMT	20		20				N			Banksia sp.		RI_DUN E	SAND			Eucalyptus marginata, Xanthorrhoea preissii, Pinus pinaster	woodland 10-30m, 20-50%	Eucalyptus marginata		Unknown Veg Class	Pinus pinaster		Unknown Veg Class	Xanthorrhoea preissii							
1901	94379	48332	Amanita preissii	3		1	Murdoch University, NFRZ EXTN area, along E-W firebreak.	SWAN COASTAL	3/06/1995 0:00	ESTMT	20		20				N			Banksia sp.		RI_DUN E	SAND			Eucalyptus marginata, Xanthorrhoea preissii, Pinus pinaster	woodland 10-30m, 20-50%	Eucalyptus marginata		Unknown Veg Class	Pinus pinaster		Unknown Veg Class	Xanthorrhoea preissii							
2233	89363	7831	Angianthus micropodioides	3		4	Canning Foreshore at Salters Point, ca. 1.0m S of road, towards Salters Point. GIS extrapolated coords.	SWAN COASTAL	5/01/1994 0:00		0		0				N			DomSp: Samolus juncea, Cynodon dactylon.			SAND		SEASIN UN	Nuytsia floribunda, Eremaea pauciflora, Hypocalymma angustifolium, Dasypogon bromeliifolius	Unknown Veg Class	Nuytsia floribunda		Unknown Veg Class	Eremaea pauciflora		Unknown Veg Class	Hypocalymma angustifolium		Unknown Veg Class	Dasypogon bromeliifolius				
2501	84410	141	Aponogeton hexatepalus	4		33	PRI Lot. 726. Swamp behind Carousel Shopping Centre.	SWAN COASTAL	25/07/2004 0:00	UNKNOWN	200		200				N			DomSp: Chorizandra sp., Meeboldinia sp., Chaetanthus sp.	INUND ATE	FL_CLY PN	CLAY	GREY		Melaleuca lateritia	Unknown Veg Class	Melaleuca lateritia													
2674	108822	38481	Austrostipa jacobiana	T	CR	1	Passmore Street, both sides. 121-132m NE of Phoebe Street along Passmore St. Southern River.	SWAN COASTAL	30/01/2014 0:00	ACT_CLMP	113	0	0	0	0	190	N	HEALTHY	DEGRADE D	Corymbia calophylla trees over Xanthorrhoea preissii, Viminaria juncea and Jacksonia sternbergiana over occasional Phyllanthus calycinus, Tricoryne elatior, Lepidosperma longitudinale and Mesomelaena tetragona amongst weeds of Poaceae and Iridaceae spp.	DRY	FLAT	SND_CL AY	GREY	WLL_D RND																
2675	108824	38481	Austrostipa jacobiana	T	CR	1	Private Property Lot 1789 Phoebe Street, Southern River. The population is on the NW side of Passmore St, in two patches, ca. 30m and 118m NE along Passmore Street from the intersection of Phoebe Street.	SWAN COASTAL	25/10/2019 0:00		156		0				Y	HEALTHY	DEGRADE D	The paddock where the population occurs is degraded. Native species growing with both patches of A. jacobiana plants are, Eucalyptus decipiens, Corymbia calophylla, Melaleuca preissiana, Jacksonia sternbergiana, Acacia saligna over Xanthorrhoea preissii	DRY	FLAT	SND_CL AY	GREY	WLL_D RND	Haloragis aculeolata.															
4139	86234	3178	Byblis gigantea	3		3	Corner of Ranford & Nicholson Rds, Canning Vale (Jandakot).	SWAN COASTAL	31/12/1991 0:00		0		0				N						SAND	BLACK																	
4596	84930	1596	Caladenia huegelii	T	CR	1	** Probably extinct **. Vegetation in the western corner of the junction with Ranford and Nicholson Roads, Canningvale. Vegetation to the north of the track (once Hope Road).	SWAN COASTAL	9/09/2004 0:00	ESTMT	0	0	0				N			Microtis. Some Open low woodland but mainly low scrub/heath. Melaleuca preissiana.		OD_SW AMP	SAND	WHITE		Melaleuca preissiana, Caladenia flava, Prasophyllum sp., Elythranthera brunonis	open woodland 10-30m, 0.25-20%	Melaleuca preissiana		Unknown Veg Class	Caladenia flava		Unknown Veg Class	Prasophyllum sp.		Unknown Veg Class	Elythranthera brunonis				
4597	97266	1596	Caladenia huegelii	T	CR	2	**Extinct** ca. 300-500m NW of Dumbarton Rd junction with Nicholson Rd, swamps and rise. (Swamp form of C. huegelii)	SWAN COASTAL	15/10/1997 0:00	ACT_IND	0		0				N			swamps and rises.		OD_SW AMP	SAND	GREY		Eucalyptus marginata, Melaleuca, Banksia a, Allocasuarina fraseriana	woodland 10-30m, 20-50%	Eucalyptus marginata		Unknown Veg Class	Melaleuca		Unknown Veg Class	Banksia		Unknown Veg Class	Allocasuarina fraseriana				
4598	97267	1596	Caladenia huegelii	T	CR	2	**Extinct** 0.5km N of Dumbarton Rd along Nicholson Rd, beyond drain.	SWAN COASTAL	15/10/1997 0:00	ACT_IND	0		0				N			Patersonia occidentalis		FLAT	SAND	GREY	PERMI NUN	Eucalyptus marginata, Banksia attenuata, Allocasuarina fraseriana, Boronia sp.	open woodland 10-30m, 0.25-20%	Eucalyptus marginata	low heathland 0.5-1m, 50-80%	Banksia attenuata		Unknown Veg Class	Allocasuarina fraseriana		Unknown Veg Class	Boronia sp.					
4599	97268	1596	Caladenia huegelii	T	CR	2	XXXXX EXTINCT - NO REMNANT VEG IN AREA OF POPULATION - ALL CLEARED XXXXX 100m N of Dumbarton Rd on Nicholson Rd. Bush remnant, on fringe of swamp.	SWAN COASTAL	9/09/2004 0:00		0		0				N			Banksia ilicifolia, Banksia menziesii, Patersonia sp.		FL_PLAI N	SAND	GREY		Allocasuarina fraseriana, Xanthorrhoea preissii, Stirlingia latifolia, Banksia attenuata	woodland 10-30m, 20-50%	Allocasuarina fraseriana	heathland 1-2m, 50-80%	Xanthorrhoea preissii		Unknown Veg Class	Stirlingia latifolia		Unknown Veg Class	Banksia attenuata					
4600	84939	1596	Caladenia huegelii	T	CR	3	**Extinct** 0.6km S of South St at 200m W of Benningfield Rd, opp. Target Supermarket.	SWAN COASTAL	1/01/2004 0:00		0		0				N			Habitat probably destroyed for housing development in 1987/88.		FL_PLAI N	SAND			Eucalyptus marginata, Allocasuarina fraseriana, Banksia attenuata, Banksia ilicifolia	open woodland 10-30m, 0.25-20%	Eucalyptus marginata	woodland 10-30m, 20-50%	Allocasuarina fraseriana	low heathland 0.5-1m, 50-80%	Banksia attenuata		Unknown Veg Class	Banksia ilicifolia						
4601	84943	1596	Caladenia huegelii	T	CR	4	** This site no longer exists, possibly due to development *** (1.7km S of South St along Findlay Rd, Leeming, 100m W of Findlay Rd). Plants may occur at Classon Park.	SWAN COASTAL	22/09/2004 0:00		0		0				N			Healthy bushland to the south. Banksia Woodland	DRY	FLAT	SAND	GREY		Eucalyptus marginata, Caladenia aurenicola, Allocasuarina fraseriana, Banksia attenuata, Banksia ilicifolia	open woodland 10-30m, 0.25-20%	Eucalyptus marginata	woodland 10-30m, 20-50%	Allocasuarina fraseriana	low heathland 0.5-1m, 50-80%	Banksia attenuata		Unknown Veg Class	Banksia ilicifolia						

FID	PopId	NameId	Taxon	Cons Stat	WAR ank	Pop Number	Location	District	CountDate	Method	Mat Count	Juv Count	Seed Count	Live Total	Cou nType	Area Occup	InFlo wer	PopCondit i	HabCondi ti	HabNotes	SoilCon dit	Landfor m	SoilTyp e	SoilCol or	Drainag e	AssSpecies	Veg_Stru_ A	Veg_dom A1	Veg_dom A2	Veg_Stru_ B	Veg_dom B1	Veg_dom B2	Veg_Stru_ C	Veg_dom C1	Veg_dom C2	Veg_Stru_ D	Veg_dom D1	Veg_dom D2	
4615	97263	1596	Caladenia huegelii	T	CR	19	Pop. extinct due to urban development; W of Warton Rd on SW bdy of Loc 119.	SWAN COASTAL	15/10/1997 0:00	ACT_IND	0		0				N			Patersonia occidentalis	DRY	RI_DUNE	SAND	GREY		Banksia attenuata,Banksia menziesii,Hibbertia hypericoides,Daviesia preissii	woodland 10-30m, 20-50%	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Hibbertia hypericoides		Unknown Veg Class	Daviesia preissii		
4616	97264	1596	Caladenia huegelii	T	CR	19	Pop. extinct due to urban development; W of Warton Rd & Ranford Rd jnc. Loc 119.	SWAN COASTAL	15/10/1997 0:00	ACT_IND	0	0	0				N			Patersonia occidentalis	DRY	RI_DUNE	SAND	GREY		Banksia attenuata,Banksia menziesii,Hibbertia hypericoides,Daviesia preissii	woodland 10-30m, 20-50%	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Hibbertia hypericoides		Unknown Veg Class	Daviesia preissii		
4617	114929	1596	Caladenia huegelii	T	CR	19	PP belonging to the Thornlie Christian College - Lot 801 (P406125) Warton Rd Ca. 300m NE of Warton Rd - Ranford Rd intersection. Opposite Gosnells Golf Course. Approx 180m from Warton Rd in a SE direction and 10m NE of SW firebreak	SWAN COASTAL	9/09/2015 0:00	ACT_IND	1		0	PLANTS		Y	HEALTHY	VRY_GOOD		Recently burnt area, only 4m from plant	MOIST	SLOPE	SAND	GREY	WILLDRND	Desmodcladus flexuosus, Dasyopogon bromelilifolius	open woodland 10-30m, 0.25-20%	Banksia attenuata	Banksia ilicifolia	low shrubland 0.5-1m, 50-80%	Xanthorrhoea preissii	Xanthorrhoea brunonis							
4618	97270	1596	Caladenia huegelii	T	CR	21	In SE cnr of Ken Hurst Park, at cnr of Clifton/Leeming Rd jnc.	SWAN COASTAL	11/10/2004 0:00		0	0	0				N			Xanthorrhoea preissii, Patersonia sp., Hibbertia sp., Stirlingia latifolia. Low Woodland A.	DRY	FLAT	SAND	GREY		Banksia attenuata, B.menziesii,Caladenia arenicola,Allocasuarina fraseriana,Banksia ilicifolia	woodland 10-30m, 20-50%	Banksia attenuata , B.menziesii		Unknown Veg Class	Caladenia arenicola		Unknown Veg Class	Allocasuarina fraseriana		Unknown Veg Class	Banksia ilicifolia		
4619	97271	1596	Caladenia huegelii	T	CR	21	ca.190-220m NW along Clifton Rd (track) from gate cnr post near Johnston Rd. ca 3-20m into bush NE of track.	SWAN COASTAL	2/10/1998 0:00		4		4				Y				DRY	FL_PLAIN	SAND	WHITE		Banksia attenuata,Banksia menziesii,Allocasuarina fraseriana,Leptospermum sp.	woodland 10-30m, 20-50%	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Allocasuarina fraseriana		Unknown Veg Class	Leptospermum sp.		
4621	84936	1596	Caladenia huegelii	T	CR	23	Canning River Regional Park; ca 50m S of Surrey Rd along Fern Rd & ca 50m SE into bush.	SWAN COASTAL	10/09/2004 0:00		0	0	0				N			In moderate condition with some disturbance, weedy grasses. Recent revegetation operation observed.	DRY	SLOPE	SAND	GREY		Banksia menziesii, Viminaria, Dampiera, Hibbertia,Banksia attenuata,Nuytsia floribunda,Allocasuarina sp.	woodland 10-30m, 20-50%	Banksia menziesii, Viminaria, Dampiera , Hibbertia		Unknown Veg Class	Banksia attenuata		Unknown Veg Class	Nuytsia floribunda		Unknown Veg Class	Allocasuarina sp.		
4624	97273	1596	Caladenia huegelii	T	CR	28	###Land has been cleared for Perth to Mandurah railway line### Remnant vegetation on the SW corner of the junction of South St and Kwinana Freeway.	SWAN COASTAL	19/03/2005 0:00		0	0	0				N			Banksia woodland.		FLAT	SAND	GREY		Banksia attenuata,Banksia menziesii,Xanthorrhoea preisii	open woodland 10-30m, 0.25-20%	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Xanthorrhoea preisii					
4625	97274	1596	Caladenia huegelii	T	CR	28	Lot 340 South Street, Murdoch Station Preservation area (Main Roads owned). Within the northeast corner of the remnant vegetation between the South Street on ramp and Kwinana Freeway [south-east corner of intersection].	SWAN COASTAL	1/10/2006 0:00		0		2				Y			Banksia over heath.	MOIST			GREY		Caladenia flava, Caladenia arenicola, Pterostylis vittata.													
4633	97281	1596	Caladenia huegelii	T	CR	37	Holmes St, Gosnells. 1.5km SE of Warton Rd. NE of road. The block is north of the intersection of Balfour St and Holmes St.	SWAN COASTAL	8/10/2004 0:00	ACT_IND	0	0	0				N			Low Woodland B (Banksia component), Low Woodland A (Jarrah component).		SLOPE	SAND	GREY		Banksia attenuata,Banksia menziesii,Eucalyptus marginata,Allocasuarina fraseriana	Unknown Veg Class	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Eucalyptus marginata		Unknown Veg Class	Allocasuarina fraseriana		
4634	97282	1596	Caladenia huegelii	T	CR	37	Northern corner of Holmes St and Balfour St, Huntingdale. The block is north of the intersection of Balfour St and Holmes St.	SWAN COASTAL	8/10/2004 0:00	ACT_IND	0	0	0				N			Banksia Woodland. Low Woodland B & Low Woodland A.		SLOPE	SAND	GREY		Stirligia,Xanthorrhoea,Sedges ,Allocasuarina	Unknown Veg Class	Stirligia		Unknown Veg Class	Xanthorrhoea		Unknown Veg Class	Sedges		Unknown Veg Class	Allocasuarina		
4638	84944	1596	Caladenia huegelii	T	CR	41	EXTINCT - Area cleared for Kwinana Freeway on-ramp (NW corner of Beelihar Rd & Kwinana Freeway in bushland. North from second overhead light)	SWAN COASTAL	23/10/2006 0:00		0	0	0				N			Banksia/Jarrah woodland. Xanthorrhoea preisii, Patersonia sp., Hibbertia sp., Stirlingia latifolia.	DRY	FLAT	SAND	GREY		Banksia attenuata,Banksia menziesii,Banksia ilicifolia,Allocasuarina fraseriana	woodland 10-30m, 20-50%	Banksia attenuata		Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Banksia ilicifolia		Unknown Veg Class	Allocasuarina fraseriana		

FID	Popld	Nameid	Taxon	Cons Stat	WAR ank	Pop Num ber	Location	District	CountDate	Method	MatC ount	JuvCo unt	Seed/ Coun t	Live/ Total	Coun tType	Area/ occupy	InFlo wer	PopCondit i	HabCondit i	HabNotes	SoilCon dit	Landfor m	SoilTyp e	SoilCol or	Drainag e	AssSpecies	Veg_Stru_ A	Veg_dom_ A1	Veg_dom_ A2	Veg_Stru_ B	Veg_dom_ B1	Veg_dom_ B2	Veg_Stru_ C	Veg_dom_ C1	Veg_dom_ C2	Veg_Stru_ D	Veg_dom_ D1	Veg_dom_ D2		
4639	97288	1596	Caladenia huegelii	T	CR	42	Lot 820 (previously part of Lot 136), Fraser Rd. WAPC owned private property. East side of Fraser Road. Plants scattered throughout the remaining bushland. Bush Forever Site 390 covers most of Lot 820.	SWAN COASTAL	23/09/2011 0:00	ACT_IND	447		0		PLANTS	1E+05	Y	HEALTHY	VERY GOOD	Low open woodland over low open shrubland and hermland on lower slopes. Banksia Woodland. The overall condition of the vegetation due to drought conditions is declining. Recent fire (April 2011?) in NE edge of Lot 820, NW edge of Lot 4 (42F) & SE edge of	MOIST	SLOPE	SAND	WHITE	WLL_D RND	Melaleuca thymoides, Desmodium sp., Melaleuca preissiana, Dasyopogon sp. <2% cover of sedges & Grasses - Schoenus caespitosa, S. clandestinus, Lyginia imberbis. Orchid species present: Pterostylis recurva, P. sanguineus, Diuris brumalis/corymbosa, Caladenia	low open woodland	Banksia menziesii	Banksia attenuata	low open woodland	Banksia ilicifolia	Eucalyptus tottiana	open heathland	1-2m, 20-50%	Allocasuarina humilis	Conostegium preissii	open heathland	1-2m, 20-50%	Hibbertia hypericoides	Hibbertia huegelii
4640	97289	1596	Caladenia huegelii	T	CR	42	Lot 9012 (Lot 135) Fraser Road, Banjup. Located on the west side of Fraser Road.	SWAN COASTAL	2/10/2013 0:00	ACT_IND	15		0		PLANTS	262	Y	HEALTHY	GOOD	Vegetation away from the edges within the wider remnants were in Excellent condition; the more narrow remnants were Good to Completely Degraded. This site contains a high diversity of flora species.	MOIST	FL_PLAIN	SAND	GREY	WLL_D RND	Nuytsia floribunda, Allocasuarina humilis, Conostegium preissii, Gompholobium tomentosum, Bossiaea eriocarpa, Stirlingia latifolia, Amphipogon turbinatus, Conostylis aculeata ssp. cygnorum, Eremaea pauciflora, Burchardia congesta, Acacia lasiocarpa, Hem	low open woodland	Banksia attenuata	Banksia menziesii	sparse shrubland	1-2m, 20-50%	Adenanthos cygnorum	low closed shrubland	0.5-1m, >80%	Hibbertia hypericoides	Astroloma xerophyllum				
4641	97290	1596	Caladenia huegelii	T	CR	42	Lot 131 Fraser Road, Banjup. Located along the southern boundary of the lot, from the southern terminal to the northern terminal transmission line route.	SWAN COASTAL	9/10/2004 0:00		5	5					Y			Low open woodland over low open shrubland and hermland on lower slopes. Banksia Woodland.		SLOPE	SAND	GREY		Melaleuca thymoides, Desmodium sp., Melaleuca preissiana, Dasyopogon sp.	Unknown Veg Class	Melaleuca thymoides		Unknown Veg Class	Desmodium sp.	Unknown Veg Class	Melaleuca preissiana		Unknown Veg Class	Dasyopogon sp.				
4642	97291	1596	Caladenia huegelii	T	CR	42	Fraser Road, Banjup, within the road reserve.	SWAN COASTAL	23/09/2011 0:00		0	0					N		DEGRADED	Low open woodland over low open shrubland and hermland on lower slopes. Banksia Woodland. Lower slope to drainage line. Undulating topography. Habitat condition: Good to degraded. The road reserve is declining in condition due to the impacts of rubbish	MOIST	SLOPE	SAND	GREY	WLL_D RND	Melaleuca thymoides, Desmodium sp., Melaleuca preissiana, Dasyopogon sp.	low open woodland	Eucalyptus tottiana	Banksia menziesii	low open woodland	<10m, 0.25-20%		shrubland	1-2m, 50-80%	Hibbertia hypericoides	Hibbertia huegelii	shrubland	1-2m, 50-80%	Conostegium preissii	Stirlingia latifolia
4643	106241	1596	Caladenia huegelii	T	CR	42	Lot 821 (previously part of Lot 136) Fraser Road, Banjup. Private property owned by the Housing Commission. East side of Fraser Road [ca. 340m along Fraser Rd from Armadale Rd].	SWAN COASTAL	14/10/2005 0:00	ACT_IND	0		0				Y	MODERATE		Low open woodland over low open shrubland and hermland on lower slopes. Banksia Woodland.		SLOPE	SAND	GREY		Melaleuca thymoides, Desmodium sp., Melaleuca preissiana, Dasyopogon sp.														
4644	106242	1596	Caladenia huegelii	T	CR	42	Private Property, Lot 4, Armadale Rd, Banjup. Adjacent to Lots 820 & 821 Fraser Road. Previously included as part of Pop 42A. Part of Lot 4 is Bush Forever Site 390. [Plants found in the vegetation in the northern and western parts of Lot 4].	SWAN COASTAL	14/10/2005 0:00	ACT_IND	0		0				Y	MODERATE		Low open woodland over low open shrubland and hermland on lower slopes. Banksia Woodland.		SLOPE	SAND	GREY		Melaleuca thymoides, Desmodium sp., Melaleuca preissiana, Dasyopogon sp.														
4645	84945	1596	Caladenia huegelii	T	CR	44	Un-named Nature Reserve CR 49299, Lot 103 (previously Lot 100 & 101) Gay Street, Huntingdale (south side of Warton Road). NW of the corner of Harpenden Street and Gay Street.	SWAN COASTAL	11/10/2005 0:00	ACT_IND	14	14					Y			Banksia/Jarrah Woodland. Xanthorrhoea preissii, Patersonia, Hibbertia, Stirlingia latifolia.		DRY	FLAT	SAND	GREY		Banksia attenuata, Banksia ilicifolia, Hibbertia hypericoides	woodland	10-30m, 20-50%	Banksia attenuata		Unknown Veg Class	Banksia menziesii	Unknown Veg Class	Banksia ilicifolia	Unknown Veg Class	Banksia hypericoides	Unknown Veg Class	Hibbertia hypericoides	
4649	84946	1596	Caladenia huegelii	T	CR	48	**Land cleared under permit** Lot 106 Wright Rd, SW cnr. of Wright/Ranford Rds, Forrestdale.	SWAN COASTAL	2/02/2005 0:00		0		0				N			Banksia woodland. Low forest A.		FLAT	SAND	GREY		Banksia attenuata, Banksia menziesii, Hibbertia hypericoides, Banksia ilicifolia	Unknown Veg Class	Banksia attenuata		Unknown Veg Class	Banksia menziesii	Unknown Veg Class	Hibbertia hypericoides	Unknown Veg Class	Banksia ilicifolia					
4653	84950	1596	Caladenia huegelii	T	CR	55	Roe Hwy Stage 6, NE of South Street. Located SE of Arlington Drive. In patch of woodland in road reserve between Arlington Dvr & Roe Hwy, btwn Musgrave Court & Elliott Place, Willetton. S of cycle path.	SWAN COASTAL	17/09/2008 0:00	ACT_IND	1	1					Y			Banksia Low Woodland		DRY	FL_PLAIN	SAND	GREY		Banksia menziesii, Xanthorrhoea preissii, Acacia pulchella, Patersonia occidentalis	Unknown Veg Class	Banksia menziesii		Unknown Veg Class	Xanthorrhoea preissii	Unknown Veg Class	Acacia pulchella	Unknown Veg Class	Patersonia occidentalis				

FID	PopId	NameId	Taxon	Cons Stat	WAR ank	Pop Num ber	Location	District	CountDate	Method	MatC ount	JuvCo unt	Seedl Cou nt	LiveT Cou n	AreaO ccupy	Inflo wer	PopCondit i	HabCondit i	HabNotes	SoilCon dit	Landfor m	SoilTyp e	SoilCol or	Drainag e	AssSpecies	Veg_Stru_ A	Veg_dom A1	Veg_dom A2	Veg_Stru_ B	Veg_dom B1	Veg_dom B2	Veg_Stru_ C	Veg_dom C1	Veg_dom C2	Veg_Stru_ D	Veg_dom D1	Veg_dom D2		
4695	110509	1596	Caladenia huegelii	T	CR	80	Private property (Lot 25 on Plan 13024). 90 Robinson Rd, Wand/Plants are between 2-5m into the bush at several sites along the driveway and the firebreak on the northern portion of the property.	SWAN COASTAL	20/10/2011 0:00	ACT_IND	4		0	PLANTS	370	Y	HEALTHY	EXCELENT		MOIST	FLAT	SAND	GREY	WLL_D RND	Lepidosperma squamata, Xanthorrhoea preissii, Austostipa elegantissima, Briza maxima	open forest 10-30m, 50-80%	Banksia attenuata	Banksia ilicifolia	tall open shrubland >2m, 20-50%	Kunzea glabrescens	Adenanthos cygnorum	low open shrubland 0.5-1m, 20-50%	Gompholobium tomentosum	Bossiaea eriocarpa	low open grassland <0.5m, 20-50%	Dasyglossa obliquifolia	Phlebocarya ciliata		
4699	114889	1596	Caladenia huegelii	T	CR	84	Portcullis Park, 100 Portcullis Drive, Willetton 6155. Approximately 45m south of Kelly Pl, into bushland. (Vacant land, non-residential)	SWAN COASTAL	26/09/2012 0:00			0				Y	HEALTHY	DEGRADE D		DRY	FLAT	SAND	GREY	WLL_D RND	Xanthorrhoea preissii, Regillia inops, Grevillea tomentosum. Lomandria sp., Daypogon brom Haemondorium spicatum, Patersonia occidentalis	woodland 10-30m, 20-50%	Banksia attenuata	Allocasuarina fraseriana	woodland 10-30m, 20-50%	Nuytsia floribunda	Banksia menziesii								
7206	97354	1637	Diuris purdiei	T	EN	1	N of junction of Nicholson & Ranford Rds. Canning. (Now extinct).	SWAN COASTAL	1/10/1990 0:00	ESTMT	640		640			N					OD_SW AMP	SAND	GREY																
7207	97355	1637	Diuris purdiei	T	EN	1	150-350m NW of Nicholson Rd on S side of Ranford Rd. Canning. (Now extinct).	SWAN COASTAL	15/10/1988 0:00	ESTMT	300		300			Y			Podotheca sp., Caladenia aff. huegelii, Prasophyllum gibbosum, Prasophyllum fimbria, Prasophyllum ovale	MOIST	OD_SW AMP	LOAM_SND	GREY		Melaleuca preissiana, Xanthorrhoea, Thryptomena, Boronia	low open woodland <10m, 0.25-20%	Melaleuca preissiana		tall heathland >2m, 50-80%	Xanthorrhoea		Unknown Veg Class	Thryptomene		Unknown Veg Class	Boronia			
7208	97356	1637	Diuris purdiei	T	EN	1	E of Nicholson Rd. S of Ranford Rd. NW cnr of Lot 278. Canning. (Now extinct).	SWAN COASTAL	7/07/1988 0:00	ESTMT	0		30			N			Burnt summer 85-86.																				
7209	97357	1637	Diuris purdiei	T	EN	1	E of Nicholson Rd. S of Ranford Rd. Lot 1. Canning. (Now extinct).	SWAN COASTAL	7/07/1988 0:00	ESTMT	0		600			N			Burnt summer 85-86																				
7210	97358	1637	Diuris purdiei	T	EN	1	E of Nicholson Rd. S of Ranford Rd. Lot 2. Canning. (Now extinct).	SWAN COASTAL	15/10/1986 0:00	ESTMT	0		20			N			Burnt summer 85-86																				
7211	97359	1637	Diuris purdiei	T	EN	1	E of Nicholson Rd. S of Ranford Rd. Road res. Canning. (Now extinct).	SWAN COASTAL	15/10/1986 0:00	ESTMT	0		350			N			Burnt summer 85-86																				
7212	97360	1637	Diuris purdiei	T	EN	1	NW cnr Hope Rd & Serpentine Main Trunk Rd. Canning. (Now extinct).	SWAN COASTAL	18/10/1984 0:00	ESTMT	0		15			N			Burnt summer '84			SAND	WHITE		Melaleuca preissiana, Leptospermum ellipticum, Hypocalymma, Xanthorrhoea preissii	tall open shrubland >2m, 20-50%	Melaleuca preissiana		Unknown Veg Class	Leptospermum ellipticum		Unknown Veg Class	Hypocalymma		Unknown Veg Class	Xanthorrhoea preissii			
7213	97361	1637	Diuris purdiei	T	EN	1	NW cnr Hope Rd & Serpentine Main Trunk Rd. Canning. (Now extinct).	SWAN COASTAL	18/10/1984 0:00	ESTMT	0		5			N			Burnt summer '84			SAND	WHITE		Melaleuca preissiana, Leptospermum ellipticum, Hypocalymma, Xanthorrhoea preissii	tall open shrubland >2m, 20-50%	Melaleuca preissiana		Unknown Veg Class	Leptospermum ellipticum		Unknown Veg Class	Hypocalymma		Unknown Veg Class	Xanthorrhoea preissii			
7214	97362	1637	Diuris purdiei	T	EN	1	SE of jnc Hope Rd & Fraser Rd. Lot 182. Canning. (Now extinct).	SWAN COASTAL	19/04/1984 0:00		0		0			N																							
7215	97363	1637	Diuris purdiei	T	EN	1	S of jnc of Nicholson Rd & Fraser Rd. Lot 276. Canning. (Now extinct).	SWAN COASTAL	19/04/1984 0:00		0		0			N																							
7217	85051	1637	Diuris purdiei	T	EN	3	Warton Rd, SE side. 300m SW of Gay St. Locs 1578, 1579.	SWAN COASTAL	15/10/2002 0:00	ESTMT	0		0			N				Dom sp: Banksia Woodland																			
7218	97369	1637	Diuris purdiei	T	EN	4	Armadale Golf Course (R 27165). 10-20m from Forrest Rd, ca 500m NW of Stirling Rd.	SWAN COASTAL	14/01/2004 0:00		0		0			N			Disturbed		OD_SW AMP	CLAY			Regelia ciliata, Verticordia spp	open shrubland 1-2m, 20-50%	Regelia ciliata		Unknown Veg Class	Verticordia spp									
7219	97370	1637	Diuris purdiei	T	EN	4	Armadale Golf Course (R 27165). Follow NW-SE running firebreak from Stirling Rd to powerline, follow powerline NE for 250m to edge of pop. PP, Lot 66 Anstey Rd, 'Jandakot Regional Park'. NE of junction with Keane Rd. 100m from Keane Rd, ca 60m NW of Anstey Rd & 500m from Keane Rd, 50m NW of Anstey Rd.	SWAN COASTAL	14/01/2004 0:00		0		0			N			SCR, GLI, VLR, JI; Melaleuca sp., weeds.		MOIST	OD_SW AMP	SAND	WHITE		Anigozanthos viridis, Diuris laxiflora, Microtis media, Hakea sp.	Unknown Veg Class	Anigozanthos viridis		Unknown Veg Class	Diuris laxiflora		Unknown Veg Class	Microtis media		Unknown Veg Class	Hakea sp.		
7221	85053	1637	Diuris purdiei	T	EN	6	PP, Lot 66 Anstey Rd, 'Jandakot Regional Park'. NE of junction with Keane Rd. 100m from Keane Rd, ca 60m NW of Anstey Rd & 500m from Keane Rd, 50m NW of Anstey Rd.	SWAN COASTAL	14/01/2004 0:00		0		0			Y			Boronia fastigiata, Tribonanthes sp., Nuytsia floribunda, Burchardia sp., Anigozanthos viridis		MOIST	FLAT	SAND	GREY		Eucalyptus todtiana, Melaleuca sp., Melaleuca preissiana, Xanthorrhoea preissii	low open woodland <10m, 0.25-20%	Eucalyptus todtiana		sparse shrubland 1-2m, 0.25-20%	Melaleuca sp.		Unknown Veg Class	Melaleuca preissiana		Unknown Veg Class	Xanthorrhoea preissii		
7228	85041	1637	Diuris purdiei	T	EN	11	PP, Loc 1569. E side of Ranford Rd, 500m SE of Warton Rd.	SWAN COASTAL	17/10/1984 0:00		0		0			Y			Herbs & grasses.			SAND	WHITE		Leptospermum ellipticum, Xanthorrhoea preissii, Melaleuca preissiana, Nuytsia floribunda	Unknown Veg Class	Leptospermum ellipticum		Unknown Veg Class	Xanthorrhoea preissii		Unknown Veg Class	Melaleuca preissiana		Unknown Veg Class	Nuytsia floribunda			

FID	Popld	Nameid	Taxon	Cons Stat	WAR ank	Pop Num ber	Location	District	CountDate	Method	MatC ount	JuvCoun t	Seedl Cou nt	LiveT otal	Coun tType	AreaO ccupy	InFlo wer	PopCondit i	HabCondit i	HabNotes	SoilCon dit	Landfor m	SoilTyp e	SoilCol or	Drainag e	AssSpecies	Veg_Stru_ A	Veg_dom A1	Veg_dom A2	Veg_Stru_ B	Veg_dom B1	Veg_dom B2	Veg_Stru_ C	Veg_dom C1	Veg_dom C2	Veg_Stru_ D	Veg_dom D1	Veg_dom D2
7388	85074	1639	Drakaea elastica	T	CR	31	Private Property, Lot 129 Bodeman Road, Wandl. Plants scattered in bush in rear of block near western boundary. Shire of Kwinana.	SWAN COASTAL	17/08/2010 0:00		0		0				N			Banksia sp., Calothamnus sp., Conostylis sp., grasses (interpreted from photo).	FLAT	SAND	WHITE		Banksia attenuata,Kunzea glabrescens,Adenanthos cyngnorum,Hibbertia hypericoides	Unknown Veg Class	Banksia attenuata		Unknown Veg Class	Kunzea glabrescens		Unknown Veg Class	Adenanthos cyngnorum		Unknown Veg Class	Hibbertia hypericoides		
7426	91317	13635	Drakaea micrantha	T	EN	1	Ca. 100m W of Nicholson Rd, ca. 650m S of jnc with Amherst Rd. PLANTS NOW EXTINCT-HOUSING DEVELOPMENT.	SWAN COASTAL	12/08/1988 0:00	ESTMT	2		2				N					SAND			Banksia attenuata	Unknown Veg Class	Banksia attenuata											
7444	91320	13635	Drakaea micrantha	T	EN	15	PP (Loc 33,37,1 or 27). SW of Forrestdale. N of Gibbs Rd, ca 500m W of Nicholson Rd. Armadale-Kelmscott.	SWAN COASTAL	14/11/2002 0:00		0		0					N				MOIST	FL_PLAIN	SAND	WHITE	Banksia	open woodland 10-30m, 0.25-20%	Banksia										
7523	90842	3115	Drosera occidentalis	4		8	Lot 66, N corner of Keane and Anstey Rds, Forrestdale.	SWAN COASTAL	19/10/1989 0:00	ESTMT	0		####				N				OD_SW AMP	CLAY_S ND	GREY		Melaleuca,Calitris sp.,Calothamnus villosus	Unknown Veg Class	Melaleuca		Unknown Veg Class	Calitris sp.		Unknown Veg Class	Calothamnus villosus					
7526	90822	3115	Drosera occidentalis	4		11	Recreation Reserve 750 m S of Armadale Golf Course, at approx. 200 m W of Stirling Rd and 400 m N of Oxley Rd.	SWAN COASTAL	6/11/1989 0:00	ESTMT	100		100				N				MOIST	OD_SW AMP	CLAY_S ND	GREY	Melaleuca spp.,Anigozanthos viridis	low open shrubland 0.5-1m, 20-50%	Melaleuca spp.		Unknown Veg Class	Anigozanthos viridis								
11988	98909	4027	Jacksonia sericea	4		11	Lot 100 Anstey Rd, Forrestdale.	SWAN COASTAL	9/11/1990 0:00		0		0				N			Winter wet flats, peaty sand over clay. Kunzea recurva shrubland.	FLAT	CLAY_S ND		SEASIN UN	Kunzea recurva	heathland 1-2m, 50-80%	Kunzea recurva											
11989	98910	4027	Jacksonia sericea	4		11	Lot 101 Anstey Rd, Forrestdale.	SWAN COASTAL	9/11/1990 0:00		0		0				N			Winter wet flats, peaty sand over clay. Kunzea recurva shrubland.	FLAT	CLAY_S ND		SEASIN UN	Kunzea recurva	heathland 1-2m, 50-80%	Kunzea recurva											
12762	84469	942	Lepidosperma rostratum	T	EN	4	Armadale Golf Course Shire Reserve 27165, Lot 460 [E of Forrestdale Lake Nature Reserve]. Ca. 800m south-west along Stirling Rd from the intersection with Forrest Road and ca. 25m W of Stirling Road.	SWAN COASTAL	4/12/2018 0:00	EXT_GRQD	0		0	CLUMPS	285		N		VRY_GOOD	Lepidosperma rostratum occurs in Sedgeland over Herbland, or among Open to Closed Shrubland over Herbland, in the area which remains inundated for the longest period within this sand over clay Open Depression. Shrubland species include; Melaleuca oculi	INUNDATE	OPEN	CLAY_S ND	BROWN	SEASIN UN	Weed species include; Hypochaeris glabra, Briza minor, Sonchus oleraceus, Stachys arvensis, Moraea flaccida, Trifolium spp. Lotus subbiflorus, Isoplepis marginata, Arctotheca calendula, Romulea rosea, Ursinia anthemoides.												
13908	96770	36200	Ornduffia submersa	4		1	Lot 66 Anstey Rd, Forrestdale. 1.4 km SW of Ranford Rd and 1.5 NW of Anstey Rd, in winter-wet water course.	SWAN COASTAL	27/09/1989 0:00	ACT_IND	25		25				N				FLAT	LOAM_SND	GREY	SEASIN UN	Melaleuca viminea,Triglochinsp.,Villarsia capitata	open shrubland 1-2m, 20-50%	Melaleuca viminea		Unknown Veg Class	Triglochinsp.		Unknown Veg Class	Villarsia capitata					
13921	96771	36200	Ornduffia submersa	4		13	Armadale Golf Course, SW corner. 80 m S of 7th fairway at 70-80 m from the 7th tee-off.	SWAN COASTAL	5/11/1990 0:00	ACT_IND	6		6				N				MOIST	FLAT	CLAY_S ND	BROWN	Melaleuca hamulosa,Tribonanthes sp.,Brachycome sp.	heathland 1-2m, 50-80%	Melaleuca hamulosa		Unknown Veg Class	Tribonanthes sp.	open forbland 0.5-1m, 20-50%	Brachycome sp.	low sedgeland <0.5m, 50-80%					
15141	84508	974	Schoenus benthamii	3		5	Lot.1607, Lakey St. In the Holmes Street Bushland (Bush ForeverSite 125), Gosnells (adj. plot gosn05), WA.	SWAN COASTAL	29/11/1994 0:00		0		0				N																					
15156	84514	980	Schoenus capillifolius	3		11	Carousel Swamp; behind Carousel Shopping Centre.	SWAN COASTAL	30/10/2005 0:00		0		0				N					FL_CLY PN	CLAY	GREY	SEASIN UN	Melaleuca lateritia	Unknown Veg Class	Melaleuca lateritia										
15646	89292	7756	Stylidium longitubum	4		10	Un-named Reserve (ID: 32926), Anstey Rd, Jandakot.	SWAN COASTAL	30/11/1991 0:00		0		0				N					FL_PAL U	CLAY_S ND	GREY	SEASIN UN	Melaleuca viminea	Unknown Veg Class	Melaleuca viminea										
16646	93718	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4		9	NE of Anstey Rd and Keane Rd junction. Between Anstey Rd and drain.	SWAN COASTAL	11/12/1990 0:00	ACT_IND	80		80				Y				MOIST	FLAT	SAND	GREY		Anigozanthos manglesii,Burchardra barrdii,Regelia ciliata	forbland 0.5-1m, 50-80%	Anigozanthos manglesii		Unknown Veg Class	Regelia ciliata		Unknown Veg Class	Burchardra barrdii				
16647	103512	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4		10	W of Ranford Rd - Nicholson Rd junction & N of Hope Rd.	SWAN COASTAL	18/12/1990 0:00		0		0				Y				FLAT	CLAY_S ND	BROWN		Pericalymma ellipticum,Adenanthos obovatus,Hypocalymma angustifolium	forbland 0.5-1m, 50-80%	Pericalymma ellipticum		Unknown Veg Class	Hypocalymma angustifolium		Unknown Veg Class	Adenanthos obovatus					
16648	103513	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4		10	N of Ranford Rd - Nicholson Rd intersection.	SWAN COASTAL	18/12/1990 0:00	ESTMT	0		500				Y				FLAT	SAND	WHITE	SEASIN UN	Pericalymma ellipticum,Hypocalymma angustifolium,Astartea fascicularis,Adenanthos obovatus	forbland 0.5-1m, 50-80%	Pericalymma ellipticum		Unknown Veg Class	Astartea fascicularis		Unknown Veg Class	Adenanthos obovatus		Unknown Veg Class	Hypocalymma angustifolium		
16649	103515	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4		11	S of Nicholson Rd - Ranford Rd junction.15metres E of Nicholson Rd.	SWAN COASTAL	18/12/1990 0:00	ACT_IND	2		2				Y				FLAT	CLAY_S ND	GREY	SEASIN UN	Pericalymma ellipticum,Xanthorrhoea preissii,Adenanthos obovatus,Nuytsia floribunda	forbland 0.5-1m, 50-80%	Pericalymma ellipticum		Unknown Veg Class	Adenanthos obovatus		Unknown Veg Class	Nuytsia floribunda		Unknown Veg Class	Xanthorrhoea preissii		
16650	103516	44444	Tripterococcus sp. Brachylobus (A.S. George 14234)	4		11	Nicholson Rd and Govan Rd Intersection. East of Nicholson Rd.	SWAN COASTAL	18/12/1990 0:00	ACT_IND	0		16				Y			Grows in cleared/opened patches amongst heath along track edge.	FLAT	SAND	GREY	SEASIN UN	Pericalymma ellipticum,Hypocalymma angustifolium,Jacksonia furcellata,Xanthorrhoea preissii	forbland 0.5-1m, 50-80%	Pericalymma ellipticum		Unknown Veg Class	Jacksonia furcellata		Unknown Veg Class	Xanthorrhoea preissii		Unknown Veg Class	Hypocalymma angustifolium		

APPENDIX 2

Naturemap Report

NatureMap Species Report

Created By Guest user on 26/10/2020

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 115° 52' 46" E, 32° 06' 41" S
Buffer 10km
Group By Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	1776	98226
Other specially protected fauna	2	59
Priority 1	4	12
Priority 2	6	29
Priority 3	28	396
Priority 4	23	991
Protected under international agreement	27	1252
Rare or likely to become extinct	24	2791
TOTAL	1890	103756

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Rare or likely to become extinct				
1.	38481 <i>Austrostipa jacobsoniana</i>		T	
2.	24345 <i>Botaurus poiciloptilus</i> (Australasian Bittern)		T	
3.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
4.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
5.	24790 <i>Calidris tenuirostris</i> (Great Knot)		T	
6.	24731 <i>Calyptorhynchus banksii subsp. naso</i> (Forest Red-tailed Black Cockatoo)		T	
7.	24733 <i>Calyptorhynchus baudinii</i> (Baudin's Cockatoo, White-tailed Long-billed Black Cockatoo)		T	
8.	24734 <i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		T	
9.	48400 <i>Calyptorhynchus sp.</i> (white-tailed black cockatoo)		T	
10.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		T	
11.	24092 <i>Dasyurus geoffroii</i> (Chuditch, Western Quoll)		T	
12.	10796 <i>Diuris drummondii</i> (Tall Donkey Orchid)		T	
13.	1637 <i>Diuris purdiei</i> (Purdie's Donkey Orchid)		T	
14.	1639 <i>Drakaea elastica</i> (Glossy-leaved Hammer Orchid)		T	
15.	13635 <i>Drakaea micrantha</i>		T	
16.	17150 <i>Eremophila glabra subsp. chlorella</i>		T	
17.	33983 <i>Leioproctus douglasiellus</i> (a short-tongued bee)		T	
18.	942 <i>Lepidosperma rostratum</i>		T	
19.	24146 <i>Myrmecobius fasciatus</i> (Numbat, Walpurti)		T	
20.	33984 <i>Neopasiphae simplicior</i> (a short-tongued bee)		T	
21.	48237 <i>Rostratula australis</i> (Australian Painted Snipe)		T	
22.	24145 <i>Setonix brachyurus</i> (Quokka)		T	
23.	18590 <i>Synaphea sp.</i> Fairbridge Farm (D. Papenfus 696)		T	
24.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
Protected under international agreement				
25.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
26.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
27.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
28.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
29.	24780 <i>Calidris alba</i> (Sanderling)		IA	
30.	24786 <i>Calidris melanotos</i> (Pectoral Sandpiper)		IA	
31.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
32.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
33.	25574 <i>Charadrius dubius</i> (Little Ringed Plover)		IA	
34.	41332 <i>Chlidonias leucopterus</i> (White-winged Black Tern, white-winged tern)		IA	
35.	24791 <i>Gallinago hardwickii</i> (Latham's Snipe, Japanese snipe)		IA	
36.	24793 <i>Gallinago stenura</i> (Pin-tailed Snipe)		IA	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
37.	47954 <i>Gelochelidon nilotica</i> (Gull-billed Tern)		IA	
38.	48587 <i>Hydroprogne caspia</i> (Caspian Tern)		IA	
39.	30932 <i>Limosa lapponica</i> (Bar-tailed Godwit)		IA	
40.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
41.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
42.	24802 <i>Philomachus pugnax</i> (Ruff, reeve)		IA	
43.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
44.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
45.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
46.	24516 <i>Stercorarius longicaudus</i> (long-tailed jaeger, long-tailed skua)		IA	
47.	48597 <i>Thalasseus bergii</i> (Crested Tern)		IA	
48.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
49.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
50.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper, little greenshank)		IA	
51.	41351 <i>Xenus cinereus</i> (Terek Sandpiper)		IA	
Other specially protected fauna				
52.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
53.	24475 <i>Falco peregrinus subsp. macropus</i> (Australian Peregrine Falcon)		S	
Priority 1				
54.	14932 <i>Acacia lasiocarpa</i> var. <i>bracteolata</i> long peduncle variant (G.J. Keighery 5026)		P1	
55.	45014 <i>Amanita quenda</i>		P1	
56.	11074 <i>Hydrocotyle striata</i>		P1	
57.	33994 <i>Throscodectes xiphos</i> (Stylet Bush Cricket, Stylet Throscoco (Jandakot))		P1	Y
Priority 2				
58.	3237 <i>Acacia benthamii</i>		P2	
59.	46333 <i>Amanita wadulawitu</i> (Long-spored <i>Lepidella</i>)		P2	
60.	42022 <i>Poranthera moorokatta</i>		P2	
61.	19704 <i>Stenanthemum sublineare</i>		P2	
62.	1717 <i>Thelymitra variegata</i> (Queen of Sheba)		P2	
63.	13783 <i>Thysanotus</i> sp. <i>Badgingarra</i> (E.A. Griffin 2511)		P2	
Priority 3				
64.	25242 <i>Acanthophis antarcticus</i> (Southern Death Adder)		P3	
65.	18195 <i>Amanita carneiphylla</i>		P3	
66.	45013 <i>Amanita drummondii</i>		P3	
67.	43543 <i>Amanita fibrilloses</i>		P3	
68.	48332 <i>Amanita preissii</i> (Cinnamon-ring <i>Lepidella</i>)		P3	
69.	43542 <i>Amanita wadjukiorum</i>		P3	
70.	7831 <i>Angianthus micropodioides</i>		P3	
71.	3178 <i>Byblis gigantea</i> (Rainbow Plant)		P3	
72.	16245 <i>Cyathochaeta teretifolia</i>		P3	
73.	7485 <i>Dampiera triloba</i>		P3	
74.	41801 <i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		P3	
75.	48935 <i>Idiosoma sigillatum</i> (Swan Coastal Plain shield-backed trapdoor spider)		P3	
76.	20462 <i>Jacksonia gracillima</i>		P3	
77.	33982 <i>Leioproctus contrarius</i> (a short-tongued bee)		P3	
78.	25147 <i>Lerista lineata</i> (Perth Slider, Lined Skink)		P3	
79.	33638 <i>Meionectes tenuifolia</i>		P3	
80.	25249 <i>Neelaps calonotos</i> (Black-striped Snake, black-striped burrowing snake)		P3	
81.	11557 <i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		P3	
82.	5237 <i>Pimelea calcicola</i>		P3	
83.	8163 <i>Pithocarpa corymbulosa</i> (Corymbose <i>Pithocarpa</i>)		P3	
84.	974 <i>Schoenus benthamii</i>		P3	
85.	980 <i>Schoenus capillifolius</i>		P3	
86.	1008 <i>Schoenus pennisetis</i>		P3	
87.	18564 <i>Stylidium aceratum</i>		P3	
88.	25800 <i>Stylidium paludicola</i>		P3	
89.	48297 <i>Styphelia filifolia</i>		P3	
90.	1317 <i>Thysanotus anceps</i>		P3	
91.	24855 <i>Tyto novaehollandiae</i> subsp. <i>novaehollandiae</i> (Masked Owl (southwest))		P3	
Priority 4				
92.	141 <i>Aponogeton hexatepalus</i> (Stalked Water Ribbons)		P4	
93.	25035 <i>Ctenotus delli</i> (Dell's skink, Darling Range southwest <i>Ctenotus</i>)		P4	
94.	4763 <i>Dodonaea hackettiana</i> (Hackett's Hopbush)		P4	
95.	3115 <i>Drosera occidentalis</i> (Western Sundew)		P4	
96.	24189 <i>Falsistrellus mackenziei</i> (Western False Pipistrelle, Western Falsistrelle)		P4	
97.	6233 <i>Hydrocotyle lemnooides</i> (Aquatic Pennywort)		P4	
98.	24215 <i>Hydromys chrysogaster</i> (Water-rat, Rakali)		P4	
99.	48588 <i>Isodon fusciventer</i> (Quenda, southwestern brown bandicoot)		P4	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
100.	47975 <i>Ixobrychus dubius</i> (Australian Little Bittern)		P4	
101.	4027 <i>Jacksonia sericea</i> (Waldjumi)		P4	
102.	4035 <i>Kennedia beckxiana</i> (Cape Arid Kennedia)		P4	
103.	33742 <i>Microtis quadrata</i>		P4	
104.	48024 <i>Notamacropus eugenii</i> subsp. <i>derbianus</i> (Tammar Wallaby, Tammar)		P4	
105.	48022 <i>Notamacropus irma</i> (Western Brush Wallaby)		P4	
106.	36200 <i>Ornduffia submersa</i>		P4	
107.	24328 <i>Oxyura australis</i> (Blue-billed Duck)		P4	
108.	24663 <i>Phaethon rubricauda</i> (Red-tailed Tropicbird)		P4	
109.	7756 <i>Stylidium longitubum</i> (Jumping Jacks)		P4	
110.	33992 <i>Synemon gratiosa</i> (Graceful Sunmoth)		P4	
111.	48135 <i>Thinornis rubricollis</i> (Hooded Plover, Hooded Dotterel)		P4	
112.	1334 <i>Thysanotus glaucus</i>		P4	
113.	44444 <i>Tripterococcus</i> sp. <i>Brachylobus</i> (A.S. George 14234)		P4	
114.	14714 <i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		P4	

Non-conservation taxon

115.	? <i>Adenanthos obovatus</i>			Y
116.	? <i>Amphipogon turbinatus</i>			Y
117.	? <i>Anigozanthos humilis</i>			
118.	? <i>Amorcinum preissii</i>			
119.	? <i>Asparagus asparagoides</i>			Y
120.	? <i>Astroloma pallidum</i>			Y
121.	? <i>Austrostipa compressa</i>			
122.	? <i>Boronia ramosa</i>			Y
123.	? <i>Briza maxima</i>			Y
124.	? <i>Burchardia congesta</i>			
125.	? <i>Caesia</i> sp.			Y
126.	? <i>Caladenia discoidea</i>			Y
127.	? <i>Calandrinia</i> sp.			Y
128.	? <i>Calytrix angulata</i>			Y
129.	? <i>Calytrix flavescens</i>			Y
130.	? <i>Calytrix</i> sp.			Y
131.	? <i>Chamaescilla corymbosa</i>			Y
132.	? <i>Cirsium vulgare</i>			Y
133.	? <i>Conostylis aculeata</i>			Y
134.	? <i>Conostylis juncea</i>			Y
135.	? <i>Conostylis</i> sp.			Y
136.	? <i>Conyza bonariensis</i>			Y
137.	? <i>Dampiera linearis</i>			Y
138.	? <i>Dasyopogon bromeliifolius</i>			Y
139.	? <i>Desmocladius flexuosus</i>			Y
140.	? <i>Diuris corymbosa/magnifica</i>			Y
141.	? <i>Ehrharta calycina</i>			Y
142.	? <i>Epilobium hirtigerum</i>			Y
143.	? <i>Epilobium</i> sp.			Y
144.	? <i>Eremaea pauciflora</i>			Y
145.	? <i>Euchiton sphaericus</i>			Y
146.	? <i>Gonocarpus pithyoides</i>			Y
147.	? <i>Haemodorum spicatum</i>			Y
148.	? <i>Hemiandra</i> sp.			Y
149.	? <i>Hibbertia subvaginata</i>			Y
150.	? <i>Hovea trisperma</i> var. <i>trisperma</i>			
151.	? <i>Hypocalymma angustifolia</i>			Y
152.	? <i>Isolepis marginata</i>			Y
153.	? <i>Jacksonia furcellata</i>			Y
154.	? <i>Kennedia prostrata</i>			Y
155.	? <i>Kunzea glabrescens</i>			
156.	? <i>Lactuca serriola</i>			Y
157.	? <i>Lepidosperma</i> sp.			Y
158.	? <i>Lepidosperma squamatum</i>			Y
159.	? <i>Lepidosperma squamatum</i> s.l.			
160.	? <i>Leptomeria empetriformis</i>			Y
161.	? <i>Leucopogon conostephioides</i>			Y
162.	? <i>Lomandra caespitosa</i>			
163.	? <i>Lomandra sericea</i>			Y
164.	? <i>Lomandra</i> sp.			Y
165.	? <i>Lomandra suaveolens</i>			Y
166.	? <i>Lotus subbiflorus</i>			
167.	? <i>Lysimachia arvensis</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
168.	? <i>Melaleuca thymoides</i>			Y
169.	? <i>Microlaena stipoides</i>			
170.	? <i>Microtis media</i>			Y
171.	? <i>Monoculus monstrosus</i>			Y
172.	? <i>Opercularia vaginata</i>			Y
173.	? <i>Pelargonium capitatum</i>			Y
174.	? <i>Petrophile linearis</i>			Y
175.	? <i>Petrophragma dubia</i>			Y
176.	? <i>Philothea spicata</i>			Y
177.	? <i>Phlebocarya ciliata</i>			
178.	? <i>Phlebocarya filifolia</i>			Y
179.	? <i>Phlebocarya</i> sp.			Y
180.	? <i>Podrothea</i> sp.			Y
181.	? <i>Pterostylis sanguinea</i>			
182.	? <i>Rhodanthe citrina</i>			Y
183.	? <i>Romulea rosea</i>			Y
184.	? <i>Rytidosperma occidentalis</i>			
185.	? <i>Rytidosperma</i> sp.			Y
186.	? <i>Schoenus curvifolius</i>			Y
187.	? <i>Scholtzia involucrata</i>			Y
188.	? <i>Solanum nigrum</i>			Y
189.	? <i>Sowerbaea laxiflora</i>			
190.	? <i>Stylidium repens</i>			Y
191.	? <i>Stylidium schoenoides</i>			Y
192.	? <i>Symphotrichum squamatum</i>			Y
193.	? <i>Thysanotus manglesianus/patersonii</i> complex			Y
194.	? <i>Trachymene pilosa</i>			Y
195.	? <i>Urospermum picroides</i>			Y
196.	? <i>Vulpia</i> sp.			Y
197.	? <i>Wahlenbergia capensis</i>			Y
198.	? <i>Wahlenbergia preissii</i>			Y
199.	? <i>Wahlenbergia</i> sp.			Y
200.	? <i>Xanthorrhoea brunonis</i>			Y
201.	? <i>Zantedeschia aethiopica</i>			Y
202.	<i>Acacia</i> ? <i>longifolia</i>			Y
203.	<i>Acacia</i> ? <i>pulchella</i>			Y
204.	3207 <i>Acacia alata</i> (Winged Wattle)			
205.	15466 <i>Acacia applanata</i>			
206.	3262 <i>Acacia cochlearis</i> (Rigid Wattle)			
207.	3282 <i>Acacia cyclops</i> (Coastal Wattle)			
208.	3294 <i>Acacia dentifera</i>			
209.	3307 <i>Acacia divergens</i>			
210.	3374 <i>Acacia huegelii</i>			
211.	3409 <i>Acacia lasiocarpa</i> (Panjang)			
212.	11611 <i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i>			
213.	17861 <i>Acacia longifolia</i>	Y		
214.	17464 <i>Acacia longifolia</i> subsp. <i>longifolia</i>	Y		
215.	3502 <i>Acacia pulchella</i> (Prickly Moses)			
216.	<i>Acacia pulchella</i> ?var <i>glaberrima</i>			Y
217.	15481 <i>Acacia pulchella</i> var. <i>glaberrima</i>			
218.	15483 <i>Acacia pulchella</i> var. <i>pulchella</i>			
219.	3527 <i>Acacia saligna</i> (Orange Wattle, Kudjong)			
220.	30032 <i>Acacia saligna</i> subsp. <i>saligna</i>			
221.	3541 <i>Acacia sessilis</i>			
222.	<i>Acacia</i> sp.			
223.	<i>Acacia</i> sp. F13 seedling			Y
224.	3557 <i>Acacia stenoptera</i> (Narrow Winged Wattle)			
225.	3581 <i>Acacia trigonophylla</i>			
226.	3584 <i>Acacia truncata</i>			
227.	3602 <i>Acacia willdenowiana</i> (Grass Wattle)			
228.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
229.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
230.	24262 <i>Acanthiza inornata</i> (Western Thornbill)			
231.	1208 <i>Acanthocarpus preissii</i>			
232.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			
233.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
234.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
235.	24283 <i>Accipiter fasciatus</i> subsp. <i>didimus</i> (Brown Goshawk)			
236.	24282 <i>Accipiter fasciatus</i> subsp. <i>fasciatus</i> (Brown Goshawk)			
237.	<i>Acentrogobius bifrenatus</i>			

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238.	<i>Acerella falcipes</i>			
239.	42368 <i>Acritoscincus trilineatus</i> (Western Three-lined Skink)			
240.	25755 <i>Acrocephalus australis</i> (Australian Reed Warbler)			
241.	24831 <i>Acrocephalus australis</i> subsp. <i>gouldi</i> (Australian Reed Warbler)			
242.	14970 <i>Adenanthos barbiger</i>			
243.	1775 <i>Adenanthos cygnorum</i> (Common Woollybush)			
244.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
245.	1791 <i>Adenanthos obovatus</i> (Basket Flower)			
246.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
247.	<i>Afurcagobius suppositus</i>			
248.	<i>Agaricus</i> sp.			
249.	17202 <i>Agonis flexuosa</i> var. <i>flexuosa</i>			
250.	1261 <i>Agrostocrinum scabrum</i> (Blue Grass Lily)			
251.	184 <i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
252.	<i>Aira caryophyllea/cupaniana</i> group			
253.	185 <i>Aira cupaniana</i> (Silvery Hairgrass)	Y		
254.	187 <i>Aira praecox</i> (Early Hairgrass)	Y		
255.	<i>Aira/Pentameris</i> sp.			Y
256.	48513 <i>Aizoon pubescens</i>	Y		
257.	<i>Akamptogonus novarae</i>			
258.	<i>Aldrichetta forsteri</i>			
259.	1056 <i>Alexgeorgea nitens</i>			
260.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
261.	1732 <i>Allocasuarina humilis</i> (Dwarf Sheoak)			
262.	<i>Allothereua maculata</i>			
263.	2648 <i>Alternanthera denticulata</i> (Lesser Joyweed)			
264.	2652 <i>Alternanthera nodiflora</i> (Common Joyweed)			
265.	<i>Amanita basiorubra</i>			
266.	38754 <i>Amanita conicobulbosa</i>			
267.	48320 <i>Amanita eucalypti</i>			
268.	38755 <i>Amanita ochroterrea</i>			
269.	38756 <i>Amanita umbrinella</i>			
270.	38757 <i>Amanita xanthocephala</i>			
271.	2655 <i>Amaranthus albus</i> (Tumbleweed)	Y		
272.	25840 <i>Amaranthus blitum</i>	Y		
273.	2656 <i>Amaranthus caudatus</i> (Love Lies Bleeding)	Y		
274.	2668 <i>Amaranthus powellii</i> (Powell's Amaranth)	Y		
275.	2671 <i>Amaranthus viridis</i> (Green Amaranth)	Y		
276.	13380 <i>Amphibromus nervosus</i>			
277.	198 <i>Amphipogon laguroides</i>			
278.	20184 <i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
279.	199 <i>Amphipogon strictus</i> (Greybeard Grass)			
280.	200 <i>Amphipogon turbinatus</i>			
281.	2375 <i>Amyema linophylla</i>			
282.	13267 <i>Amyema linophylla</i> subsp. <i>linophylla</i>			
283.	<i>Aname mainae</i>			
284.	<i>Aname tepperi</i>			
285.	24310 <i>Anas castanea</i> (Chestnut Teal)			
286.	24312 <i>Anas gracilis</i> (Grey Teal)			
287.	24313 <i>Anas platyrhynchos</i> (Mallard)			
288.	<i>Anas platyrhynchos</i> subsp. <i>domesticus</i>			
289.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
290.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
291.	7833 <i>Angianthus preissianus</i>			
292.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
293.	<i>Anigozanthos ?humilis</i>			Y
294.	1409 <i>Anigozanthos humilis</i> (Catspaw)			
295.	11434 <i>Anigozanthos humilis</i> subsp. <i>humilis</i>			
296.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
297.	11261 <i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			
298.	<i>Anigozanthos</i> sp.			
299.	44629 <i>Anillios australis</i>			
300.	17455 <i>Anredera cordifolia</i>	Y		
301.	<i>Anser anser</i>			
302.	11725 <i>Anthocercis ilicifolia</i> subsp. <i>ilicifolia</i>			
303.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
304.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
305.	12724 <i>Anthotium junciforme</i>			
306.	202 <i>Anthoxanthum odoratum</i> (Sweet Vernal Grass)	Y		
307.	3686 <i>Aotus cordifolia</i>			

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308.	3688 <i>Aotus gracillima</i>			
309.	3692 <i>Aotus procumbens</i>			
310.	1117 <i>Aphelia cyperoides</i>			
311.	1118 <i>Aphelia drummondii</i>			
312.	12040 <i>Apium prostratum</i> subsp. <i>prostratum</i> var. <i>prostratum</i> (Sea Celery)			
313.	17845 <i>Apodasmia ceramophila</i>			
314.	<i>Apogon rueppellii</i>			
315.	24990 <i>Aprasia pulchella</i> (Granite Worm-lizard)			
316.	24991 <i>Aprasia repens</i> (Sand-plain Worm-lizard)			
317.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
318.	<i>Arachnura higginsi</i>			
319.	<i>Araneus cyphoxis</i>			
320.	<i>Araneus eburneiventris</i>			
321.	<i>Araneus senicaudatus</i>			
322.	7838 <i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		
323.	38963 <i>Arcyria affinis</i>			Y
324.	38964 <i>Arcyria cinerea</i>			
325.	38965 <i>Arcyria denudata</i>			
326.	38966 <i>Arcyria ferruginea</i>			
327.	38967 <i>Arcyria incarnata</i>			
328.	38968 <i>Arcyria insignis</i>			
329.	44709 <i>Arcyria major</i>			Y
330.	38970 <i>Arcyria obvelata</i>			
331.	38973 <i>Arcyria pomiformis</i>			
332.	38974 <i>Arcyria stipata</i>			Y
333.	24337 <i>Ardea garzetta</i> subsp. <i>nigripes</i> (Little Egret)			
334.	25558 <i>Ardea ibis</i> (Cattle Egret)			
335.	25559 <i>Ardea intermedia</i> (Intermediate Egret)			
336.	41324 <i>Ardea modesta</i> (great egret, white egret)			
337.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
338.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
339.	25560 <i>Ardea sacra</i> (Eastern Reef Egret, Eastern Reef Heron)			
340.	<i>Arenigobius bifrenatus</i>			
341.	17797 <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i>	Y		
342.	<i>Argiope trifasciata</i>			
343.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
344.	<i>Arkys walckenaeri</i>			
345.	<i>Armillaria luteobubalina</i>			
346.	1264 <i>Arnocrinum preissii</i>			
347.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
348.	24352 <i>Artamus cinereus</i> subsp. <i>melanops</i> (Black-faced Woodswallow)			
349.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
350.	<i>Artoria flavimana</i>			
351.	<i>Artoria linnaei</i>			
352.	<i>Artoria taeniifera</i>			
353.	<i>Artoriopsis eccentrica</i>			
354.	<i>Artoriopsis joergi</i>			
355.	<i>Asadipus kunderang</i>			
356.	20752 <i>Asparagus aethiopicus</i>	Y		
357.	8779 <i>Asparagus asparagoides</i> (Bridal Creeper)	Y		
358.	1364 <i>Asphodelus fistulosus</i> (Onion Weed)	Y		
359.	<i>Astartea</i> aff. <i>fascicularis</i> sthct			
360.	20350 <i>Astartea affinis</i> (West-coast Astartea)			
361.	20283 <i>Astartea scoparia</i> (Common Astartea)			
362.	<i>Asteraceae</i> sp.			
363.	7851 <i>Asteridea pulverulenta</i> (Common Bristle Daisy)			
364.	6323 <i>Astroloma ciliatum</i> (Candle Cranberry)			
365.	6334 <i>Astroloma pallidum</i> (Kick Bush)			
366.	6339 <i>Astroloma xerophyllum</i>			
367.	<i>Atherinomorus vaigiensis</i>			
368.	<i>Atherinosoma wallacei</i>			
369.	2462 <i>Atriplex hypoleuca</i>			
370.	2471 <i>Atriplex prostrata</i> (Hastate Orache)	Y		
371.	<i>Aureocrypta lugubris</i>			
372.	<i>Austracantha minax</i>			
373.	<i>Austrogautieria manjimupana</i>			
374.	47713 <i>Austronomus australis</i> (White-striped Free-tailed Bat)			
375.	<i>Austrostipa</i> ? <i>compressa</i>			Y
376.	17234 <i>Austrostipa compressa</i>			
377.	17240 <i>Austrostipa flavescens</i>			

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378.	17241 <i>Austrostipa hemipogon</i>			
379.	17245 <i>Austrostipa mollis</i>			
380.	17253 <i>Austrostipa semibarbata</i>			
381.	<i>Austrostipa</i> sp.			
382.	37421 <i>Austrostipa</i> sp. <i>Marchagee</i> (B.R. Maslin 1407)			
383.	231 <i>Avellinia michelii</i>	Y		
384.	233 <i>Avena barbata</i> (Bearded Oat)	Y		
385.	24318 <i>Aythya australis</i> (Hardhead)			
386.	17737 <i>Azolla pinnata</i>			
387.	42902 <i>Azolla rubra</i>			
388.	36441 <i>Babingtonia camphorosmae</i> (Camphor Myrtle)			
389.	<i>Backbourkia heroine</i>			
390.	16346 <i>Bacopa monnieri</i>	Y		
391.	<i>Badhamia affinis</i>			Y
392.	38975 <i>Badhamia capsulifera</i>			Y
393.	38976 <i>Badhamia foliicola</i>			
394.	38977 <i>Badhamia goniospora</i>			Y
395.	38978 <i>Badhamia panicea</i>			
396.	38979 <i>Badhamia utricularis</i>			
397.	<i>Badumna insignis</i>			
398.	<i>Ballarra longipalpus</i>			
399.	<i>Banksia ?menziesii</i>			Y
400.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			
401.	32580 <i>Banksia dallanneyi</i> subsp. <i>dallanneyi</i> var. <i>dallanneyi</i>			
402.	1819 <i>Banksia grandis</i> (Bull Banksia, Pulgarta)			
403.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
404.	<i>Banksia ilicifolia/menziesii</i>			Y
405.	1830 <i>Banksia littoralis</i> (Swamp Banksia, Pungura)			
406.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
407.	32077 <i>Banksia sessilis</i> var. <i>cygnorum</i>			
408.	<i>Banksia</i> sp.			
409.	1852 <i>Banksia telmatiaea</i> (Swamp Fox Banksia)			
410.	<i>Barnardius zonarius</i>			
411.	38765 <i>Battarrea stevenii</i>			
412.	740 <i>Baumea arthropylla</i>			
413.	741 <i>Baumea articulata</i> (Jointed Rush)			
414.	743 <i>Baumea juncea</i> (Bare Twigrush)			
415.	744 <i>Baumea laxa</i>			
416.	745 <i>Baumea preissii</i>			
417.	748 <i>Baumea vaginalis</i> (Sheath Twigrush)			
418.	5382 <i>Beaufortia elegans</i> (Elegant Beaufortia)			
419.	5393 <i>Beaufortia squarrosa</i> (Sand Beaufortia, Sand Bottlebrush, Puno)			
420.	7046 <i>Bellardia trixago</i> (Bellardia)	Y		
421.	48868 <i>Bellardia viscosa</i>	Y		
422.	7855 <i>Bidens pilosa</i> (Cobbler's Pegs)	Y		
423.	25788 <i>Billardiera fraseri</i> (Elegant Pronaya)			
424.	24319 <i>Biziura lobata</i> (Musk Duck)			
425.	1417 <i>Blancoa canescens</i> (Winter Bell)			
426.	38848 <i>Bolbitius titubans</i>			
427.	749 <i>Bolboschoenus caldwellii</i> (Marsh Club-rush)			
428.	<i>Boletus</i> sp.			
429.	4413 <i>Boronia crenulata</i> (Aniseed Boronia)			
430.	11503 <i>Boronia crenulata</i> subsp. <i>crenulata</i> var. <i>crenulata</i>			
431.	16636 <i>Boronia crenulata</i> subsp. <i>viminea</i>			
432.	4417 <i>Boronia dichotoma</i>			
433.	4420 <i>Boronia fastigiata</i> (Bushy Boronia)			
434.	4438 <i>Boronia ramosa</i>			
435.	11381 <i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
436.	4441 <i>Boronia spathulata</i> (Boronia)			
437.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
438.	6341 <i>Brachyloma preissii</i> (Globe Heath)			
439.	8661 <i>Brachypodium distachyon</i> (False Brome)	Y		
440.	7867 <i>Brachyscome bellidioides</i>			
441.	7878 <i>Brachyscome iberidifolia</i>			
442.	42380 <i>Brachyurophis fasciolatus</i> subsp. <i>fasciolatus</i> (Narrow-banded Shovel-nosed Snake)			
443.	42381 <i>Brachyurophis semifasciatus</i> (Southern Shovel-nosed Snake)			
444.	3000 <i>Brassica tournefortii</i> (Mediterranean Turnip)	Y		
445.	2995 <i>Brassica x napus</i>	Y		
446.	<i>Briza ?maxima</i>			Y
447.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		

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448.	245 <i>Briza minor</i> (Shivery Grass)	Y		
449.	<i>Briza</i> sp.			
450.	249 <i>Bromus diandrus</i> (Great Brome)	Y		
451.	250 <i>Bromus hordeaceus</i> (Soft Brome)	Y		
452.	27598 <i>Buellia dissa</i>			
453.	27615 <i>Buellia subdisciformis</i>			
454.	1383 <i>Burchardia bairdiae</i>			
455.	12770 <i>Burchardia congesta</i>			
456.	1385 <i>Burchardia multiflora</i> (Dwarf Burchardia)			
457.	25713 <i>Cacatua galerita</i> (Sulphur-crested Cockatoo)			
458.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
459.	25715 <i>Cacatua roseicapilla</i> (Galah)			
460.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
461.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
462.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
463.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
464.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
465.	1277 <i>Caesia occidentalis</i>			
466.	<i>Caesia</i> sp.			
467.	<i>Caladenia ?arenicola</i>			Y
468.	<i>Caladenia ?discoidea</i>			Y
469.	<i>Caladenia ?flava</i>			
470.	<i>Caladenia ?longicauda</i> subsp. <i>calcigena</i>			Y
471.	15330 <i>Caladenia arenicola</i>			
472.	1586 <i>Caladenia discoidea</i> (Dancing Orchid)			
473.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
474.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
475.	15502 <i>Caladenia footeana</i>			
476.	15352 <i>Caladenia georgei</i>			
477.	1599 <i>Caladenia latifolia</i> (Pink Fairy Orchid)			
478.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
479.	1605 <i>Caladenia marginata</i> (White Fairy Orchid)			
480.	15371 <i>Caladenia nana</i> subsp. <i>nana</i>			
481.	17760 <i>Caladenia nobilis</i>			
482.	17589 <i>Caladenia occidentalis</i>			
483.	15503 <i>Caladenia paludosa</i>			
484.	<i>Caladenia</i> sp.			
485.	18019 <i>Caladenia vulgata</i>			
486.	15398 <i>Caladenia xantha</i>			
487.	2848 <i>Calandrinia corrigioloides</i> (Strap Purslane)			
488.	2854 <i>Calandrinia granulifera</i> (Pygmy Purslane)			
489.	2856 <i>Calandrinia liniflora</i> (Parakeelya)			
490.	<i>Calandrinia</i> sp.			
491.	16365 <i>Calandrinia</i> sp. Kenwick (G.J. Keighery 10905)			
492.	44722 <i>Calceolaria tripartita</i>	Y		Y
493.	19309 <i>Calectasia narragara</i>			
494.	24787 <i>Calidris minuta</i> (Little Stint)			
495.	<i>Calidris</i> sp.			
496.	34942 <i>Callitriche brutia</i> subsp. <i>brutia</i>	Y		
497.	36600 <i>Callitriche pyramidalis</i> (Swamp Cypress)			
498.	<i>Calocera guepinioides</i>			
499.	38981 <i>Calomyxa metallica</i>			
500.	5411 <i>Calothamnus hirsutus</i>			
501.	5415 <i>Calothamnus lateralis</i>			
502.	5426 <i>Calothamnus quadrifidus</i> (One-sided Bottlebrush, Kwowdjard)			
503.	35816 <i>Calothamnus quadrifidus</i> subsp. <i>quadrifidus</i>			
504.	5429 <i>Calothamnus sanguineus</i> (Silky-leaved Blood flower, Pindak)			
505.	5433 <i>Calothamnus validus</i> (Barrens Clawflower)			
506.	25717 <i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
507.	<i>Calytrix ?angulata</i>			Y
508.	5439 <i>Calytrix angulata</i> (Yellow Starflower)			
509.	<i>Calytrix angulata/flavescens</i>			Y
510.	5458 <i>Calytrix flavescens</i> (Summer Starflower)			
511.	5460 <i>Calytrix fraseri</i> (Pink Summer Calytrix)			
512.	<i>Calytrix leschenaultii/fraseri</i>			Y
513.	<i>Calytrix</i> sp.			
514.	38767 <i>Campanella gregaria</i>			
515.	32338 <i>Campylopus introflexus</i>	Y		
516.	<i>Carassius auratus</i>			
517.	49010 <i>Cardamine occulta</i>	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
518.	17318 <i>Cardiospermum grandiflorum</i>	Y		
519.	7909 <i>Carduus pycnocephalus</i> (Slender Thistle)	Y		
520.	2794 <i>Carpobrotus aequilaterus</i> (Angular Pigface)	Y		
521.	2795 <i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
522.	1162 <i>Cartonema philydroides</i>			
523.	2951 <i>Cassytha flava</i> (Dodder Laurel)			
524.	2957 <i>Cassytha racemosa</i> (Dodder Laurel)			
525.	11799 <i>Cassytha racemosa forma racemosa</i>			
526.	18321 <i>Casuarina glauca</i>	Y		
527.	1742 <i>Casuarina obesa</i> (Swamp Sheoak, Kuli)			
528.	259 <i>Cenchrus echinatus</i> (Burrgrass)	Y		
529.	41567 <i>Cenchrus macrourus</i> (African Feather Grass)	Y		
530.	41563 <i>Cenchrus purpureus</i> (Elephant Grass)	Y		
531.	41568 <i>Cenchrus setaceus</i> (Fountain Grass)	Y		
532.	7915 <i>Centaurea calcitrapa</i> (Star Thistle)	Y		
533.	7916 <i>Centaurea melitensis</i> (Maltese Cockspur, Malta Thistle)	Y		
534.	6542 <i>Centaureum tenuiflorum</i>	Y		
535.	6214 <i>Centella asiatica</i>			
536.	26587 <i>Centroceras clavulatum</i>			
537.	1121 <i>Centrolepis aristata</i> (Pointed Centrolepis)			
538.	1125 <i>Centrolepis drummondiana</i>			
539.	1129 <i>Centrolepis glabra</i> (Smooth Centrolepis)			
540.	1131 <i>Centrolepis inconspicua</i>			
541.	1132 <i>Centrolepis mutica</i>			
542.	1134 <i>Centrolepis polygyna</i> (Wiry Centrolepis)			
543.	2889 <i>Cerastium glomeratum</i> (Mouse Ear Chickweed)	Y		
544.	38982 <i>Ceratiomyxa fruticulosa</i>			
545.	<i>Cercophonius sulcatus</i>			
546.	<i>Ceryerda cursitans</i>			
547.	17685 <i>Chaetanthus aristatus</i>			
548.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
549.	24187 <i>Chalinolobus morio</i> (Chocolate Wattled Bat)			
550.	18156 <i>Chamaecytisus palmensis</i> (Tagasaste)	Y		
551.	1280 <i>Chamaescilla corymbosa</i> (Blue Squill)			
552.	11299 <i>Chamaescilla corymbosa var. corymbosa</i>			
553.	5498 <i>Chamelaucium uncinatum</i> (Geraldton Wax)			
554.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
555.	43380 <i>Chelodina colliei</i> (South-western Snake-necked Turtle)			
556.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
557.	2483 <i>Chenopodium album</i> (Fat Hen)	Y		
558.	2490 <i>Chenopodium glaucum</i> (Glaucous Goosefoot)	Y		
559.	2491 <i>Chenopodium macrospermum</i>	Y		
560.	47909 <i>Cheramoeca leucosterna</i> (White-backed Swallow)			
561.	33939 <i>Cherax cainii</i> (Marron)			
562.	<i>Cherax destructor</i>			
563.	<i>Cherax preissii</i>			
564.	<i>Cherax quinquecarinatus</i>			
565.	<i>Cherax sp.</i>			
566.	<i>Chiloscyphus semiteres var. semiteres</i>			
567.	7925 <i>Chondrilla juncea</i> (Skeleton Weed)	Y		
568.	17706 <i>Chordifex sinuosus</i>			
569.	763 <i>Chorizandra enodis</i> (Black Bristlerush)			
570.	8971 <i>Chorizema cordatum</i>			
571.	24980 <i>Christinus marmoratus</i> (Marbled Gecko)			
572.	<i>Chroicocephalus novaehollandiae</i>			
573.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
574.	25601 <i>Chrysococcyx lucidus</i> (Shining Bronze Cuckoo)			
575.	24432 <i>Chrysococcyx lucidus subsp. plagosus</i> (Shining Bronze Cuckoo)			
576.	27662 <i>Chrysothrix candelaris</i>			
577.	6543 <i>Cicendia filiformis</i> (Slender Cicendia)	Y		
578.	18303 <i>Cinnamomum camphora</i>	Y		
579.	24288 <i>Circus approximans</i> (Swamp Harrier)			
580.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
581.	7937 <i>Cirsium vulgare</i> (Spear Thistle, Scotch Thistle)	Y		
582.	27663 <i>Cladia aggregata</i>			
583.	28208 <i>Cladonia cervicornis subsp. verticillata</i>			
584.	30377 <i>Cladonia sulcata var. sulcata</i>			
585.	27697 <i>Cladonia tessellata</i>			
586.	24774 <i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
587.	38983 <i>Clastoderma debaryanum</i>			

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588.	<i>Clynotis albobarbatus</i>			
589.	<i>Cnidoglanis macrocephalus</i>			
590.	38984 <i>Collaria arcyronema</i>			
591.	25675 <i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
592.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
593.	38986 <i>Comatricha elegans</i>			
594.	38988 <i>Comatricha laxa</i>			
595.	38990 <i>Comatricha nigra</i>			
596.	38991 <i>Comatricha pulchella</i>			
597.	38994 <i>Comatricha tenerrima</i>			
598.	4550 <i>Comesperma calymega</i> (Blue-spike Milkwort)			
599.	4554 <i>Comesperma flavum</i>			
600.	<i>Comesperma</i> sp. FL-3 (too young to be id)			Y
601.	4564 <i>Comesperma virgatum</i> (Milkwort)			
602.	31595 <i>Commelina benghalensis</i>	Y		
603.	1858 <i>Conospermum amoenum</i> (Blue Smokebush)			
604.	15611 <i>Conospermum stoechadis</i> subsp. <i>stoechadis</i> (Common Smokebush)			
605.	6348 <i>Conostephium pendulum</i> (Pearl Flower)			
606.	6349 <i>Conostephium preissii</i>			
607.	<i>Conostylis ?juncea</i>			Y
608.	1418 <i>Conostylis aculeata</i> (Prickly Conostylis)			
609.	11826 <i>Conostylis aculeata</i> subsp. <i>aculeata</i>			
610.	1423 <i>Conostylis aurea</i> (Golden Conostylis)			
611.	1427 <i>Conostylis candicans</i> (Grey Cottonhead)			
612.	11438 <i>Conostylis candicans</i> subsp. <i>candicans</i>			
613.	11695 <i>Conostylis festucacea</i> subsp. <i>festucacea</i>			
614.	1436 <i>Conostylis juncea</i>			
615.	1453 <i>Conostylis serrulata</i>			
616.	1454 <i>Conostylis setigera</i> (Bristly Cottonhead)			
617.	11597 <i>Conostylis setigera</i> subsp. <i>setigera</i>			
618.	1455 <i>Conostylis setosa</i> (White Cottonhead)			
619.	<i>Conostylis</i> sp.			
620.	<i>Conyza ?bonariensis</i>			
621.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
622.	7941 <i>Conyza parva</i>	Y		
623.	<i>Conyza</i> sp.			
624.	20074 <i>Conyza sumatrensis</i>	Y		
625.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
626.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
627.	<i>Cormocephalus aurantipes</i>			
628.	<i>Cormocephalus novaehollandiae</i>			
629.	<i>Cormocephalus rubriceps</i>			
630.	2891 <i>Corrigiola litoralis</i> (Strapwort)	Y		
631.	48259 <i>Cortaderia selloana</i> subsp. <i>selloana</i>	Y		
632.	38774 <i>Cortinarius archeri</i>			
633.	38776 <i>Cortinarius phalarus</i>			
634.	24416 <i>Corvus bennetti</i> (Little Crow)			
635.	25592 <i>Corvus coronoides</i> (Australian Raven)			
636.	24417 <i>Corvus coronoides</i> subsp. <i>perplexus</i> (Australian Raven)			
637.	17104 <i>Corymbia calophylla</i> (Marri)			
638.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
639.	7945 <i>Cotula coronopifolia</i> (Waterbuttons)	Y		
640.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
641.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
642.	24673 <i>Coturnix ypsilophora</i> subsp. <i>australis</i> (Brown Quail)			
643.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
644.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
645.	24422 <i>Cracticus tibicen</i> subsp. <i>dorsalis</i> (White-backed Magpie)			
646.	24423 <i>Cracticus tibicen</i> subsp. <i>tibicen</i> (Black-backed Magpie)			
647.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
648.	24424 <i>Cracticus torquatus</i> subsp. <i>torquatus</i> (Grey Butcherbird)			
649.	<i>Crassula ?colorata</i>			Y
650.	3136 <i>Crassula alata</i>	Y		
651.	17701 <i>Crassula closiana</i>			
652.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
653.	11709 <i>Crassula colorata</i> var. <i>acuminata</i>			
654.	3139 <i>Crassula exserta</i>			
655.	3140 <i>Crassula glomerata</i>	Y		
656.	3142 <i>Crassula natans</i>	Y		
657.	15706 <i>Crassula natans</i> var. <i>minus</i>	Y		

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658.	38997 <i>Craterium leucocephalum</i>			
659.	38998 <i>Craterium minutum</i>			
660.	<i>Craterocephalus mugiloides</i>			
661.	38780 <i>Crepidotus eucalyptorum</i>			
662.	29054 <i>Crepis foetida</i> subsp. <i>foetida</i> (Stinking Hawksbeard)	Y		
663.	39000 <i>Cribraria aurantiaca</i>			Y
664.	39001 <i>Cribraria cancellata</i>			
665.	39002 <i>Cribraria microcarpa</i>			
666.	39003 <i>Cribraria minutissima</i>			
667.	39006 <i>Cribraria tenella</i>			
668.	25398 <i>Crinia georgiana</i> (Quacking Frog)			
669.	25399 <i>Crinia glauerti</i> (Clicking Frog)			
670.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
671.	13527 <i>Croninia kingiana</i>			
672.	<i>Crustulina bicrucata</i>			
673.	30893 <i>Cryptoblepharus buchananii</i>			
674.	25020 <i>Cryptoblepharus plagiocephalus</i>			
675.	<i>Cryptoerithus quobba</i>			
676.	1627 <i>Cryptostylis ovata</i> (Slipper Orchid)			
677.	30899 <i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
678.	25027 <i>Ctenotus australis</i>			
679.	25039 <i>Ctenotus fallens</i>			
680.	25040 <i>Ctenotus gemmula</i> (Jewelled South-west Ctenotus (Swan Coastal Plain subpop P3), skink)			
681.	25047 <i>Ctenotus impar</i>			
682.	25049 <i>Ctenotus labillardieri</i>			
683.	6663 <i>Cuscuta epithymum</i> (Lesser Dodder, Greater Dodder)	Y		
684.	15404 <i>Cyanicula sericea</i>			
685.	51 <i>Cyathea cooperi</i>	Y		
686.	768 <i>Cyathochaeta avenacea</i>			
687.	<i>Cyclosa trilobata</i>			
688.	40660 <i>Cycnogeton huegelii</i>			
689.	40661 <i>Cycnogeton lineare</i>			
690.	24322 <i>Cygnus atratus</i> (Black Swan)			
691.	24323 <i>Cygnus olor</i> (Mute Swan)	Y		
692.	19625 <i>Cymbalaria muralis</i> subsp. <i>muralis</i>	Y		
693.	283 <i>Cynodon dactylon</i> (Couch)	Y		
694.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
695.	801 <i>Cyperus laevigatus</i>	Y		
696.	18198 <i>Cyperus papyrus</i>	Y		
697.	806 <i>Cyperus polystachyos</i> (Bunchy Sedge)			
698.	815 <i>Cyperus tenellus</i> (Tiny Flatsedge)	Y		
699.	816 <i>Cyperus tenuiflorus</i> (Scaly Sedge)	Y		
700.	14537 <i>Cyperus vorsteri</i>	Y		
701.	<i>Cyrtophora parnasia</i>			
702.	10916 <i>Cyrtostylis huegelii</i>			
703.	10942 <i>Cyrtostylis tenuissima</i>			
704.	17692 <i>Cytogonidium leptocarpoides</i>			
705.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
706.	7451 <i>Dampiera lavandulacea</i>			
707.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
708.	7462 <i>Dampiera pedunculata</i>			
709.	7484 <i>Dampiera trigona</i> (Angled-stem Dampiera)			
710.	<i>Daphnia carinata</i>			
711.	25673 <i>Daphnoesitta chrysoptera</i> (Varied Sittella)			
712.	5508 <i>Darwinia citriodora</i> (Lemon-scented Darwinia)			
713.	35618 <i>Darwinia</i> sp. <i>Karonie</i> (K. Newbey 8503)			
714.	1218 <i>Dasypogon bromeliifolius</i> (Pineapple Bush)			
715.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
716.	15656 <i>Daviesia brachyphylla</i>			
717.	19747 <i>Daviesia decurrens</i> subsp. <i>decurrens</i>			
718.	3807 <i>Daviesia divaricata</i> (Marno)			
719.	18560 <i>Daviesia divaricata</i> subsp. <i>divaricata</i>			
720.	16585 <i>Daviesia nudiflora</i> subsp. <i>nudiflora</i>			
721.	3832 <i>Daviesia physodes</i>			
722.	3845 <i>Daviesia triflora</i>			
723.	25766 <i>Delma fraseri</i> (Fraser's Legless Lizard)			
724.	24999 <i>Delma grayii</i>			
725.	25468 <i>Demansia psammophis</i> (Yellow-faced Whipsnake)			
726.	25296 <i>Demansia psammophis</i> subsp. <i>reticulata</i> (Yellow-faced Whipsnake)			

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727.	24324 <i>Dendrocygna arcuata</i> (Wandering Whistling Duck, Chestnut Whistling Duck)			
728.	<i>Dermocye clelandii</i>			
729.	15831 <i>Desmocladius castaneus</i>			
730.	17691 <i>Desmocladius fasciculatus</i>			
731.	16595 <i>Desmocladius flexuosus</i>			
732.	299 <i>Deyeuxia quadriseta</i> (Reed Bentgrass)			
733.	39008 <i>Diachea leucopodia</i>			
734.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
735.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
736.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
737.	306 <i>Dichelachne crinita</i> (Longhair Plumegrass)			
738.	6616 <i>Dichondra repens</i> (Kidney Weed)			
739.	1287 <i>Dichopogon capillipes</i>			
740.	32344 <i>Dicranoloma diaphanoneuron</i>			
741.	44064 <i>Dictydiaethalium plumbeum</i>			Y
742.	39011 <i>Diderma asteroides</i>			
743.	39014 <i>Diderma effusum</i>			Y
744.	39015 <i>Diderma hemisphaericum</i>			Y
745.	48606 <i>Diderma rufostriatum</i>			Y
746.	39017 <i>Didymium anellus</i>			Y
747.	39018 <i>Didymium bahiense</i>			
748.	39020 <i>Didymium difforme</i>			
749.	39022 <i>Didymium megalosporum</i>			
750.	<i>Didymium minus</i>			Y
751.	39023 <i>Didymium perforatum</i>			Y
752.	39024 <i>Didymium serpula</i>			
753.	39025 <i>Didymium squamulosum</i>			
754.	39026 <i>Didymium verrucosporum</i>			
755.	32345 <i>Didymodon australasiae</i>			
756.	17838 <i>Dielsia stenostachya</i>			
757.	<i>Dingosa serrata</i>			
758.	44654 <i>Diplodactylus lateroides</i> (Speckled Stone Gecko)			
759.	24939 <i>Diplodactylus polyophthalmus</i>			
760.	3011 <i>Diplotaxis muralis</i> (Wall Rocket)	Y		
761.	19649 <i>Disa bracteata</i>	Y		
762.	7055 <i>Dischisma capitatum</i> (Woolly-headed Dischisma)	Y		
763.	7961 <i>Dittrichia graveolens</i> (Stinkwort)	Y		
764.	<i>Diuris ?magnifica</i>			Y
765.	11049 <i>Diuris corymbosa</i>			
766.	<i>Diuris corymbosa/magnifica</i>			
767.	42231 <i>Diuris decremenda</i>			
768.	1634 <i>Diuris laxiflora</i> (Bee Orchid)			
769.	12939 <i>Diuris magnifica</i>			
770.	4754 <i>Dodonaea aptera</i> (Coast Hop-bush)			
771.	1640 <i>Drakaea glyptodon</i> (King-in-his-carriage)			
772.	<i>Drosera ?paleacea</i>			Y
773.	<i>Drosera ?porrecta</i>			Y
774.	<i>Drosera ?sp. "climbing"</i>			Y
775.	48751 <i>Drosera drummondii</i>			
776.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			
777.	3097 <i>Drosera gigantea</i> (Giant Sundew)			
778.	3098 <i>Drosera glanduligera</i> (Pimpernel Sundew)			
779.	3101 <i>Drosera heterophylla</i> (Swamp Rainbow)			
780.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
781.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
782.	48710 <i>Drosera micrantha</i>			
783.	3113 <i>Drosera neesii</i> (Jewel Rainbow)			
784.	3114 <i>Drosera nitidula</i> (Shining Sundew)			
785.	3118 <i>Drosera pallida</i> (Pale Rainbow)			
786.	29178 <i>Drosera porrecta</i>			
787.	3124 <i>Drosera pulchella</i> (Pretty Sundew)			
788.	8911 <i>Drosera rosulata</i>			
789.	<i>Drosera sp.</i>			
790.	<i>Drosera sp. "climbing"</i>			
791.	3131 <i>Drosera stolonifera</i> (Leafy Sundew)			
792.	3133 <i>Drosera subhirtella</i> (Sunny Rainbow)			
793.	3135 <i>Drosera zonaria</i> (Painted Sundew)			
794.	33500 <i>Dysphania ambrosioides</i> (Mexican Tea)	Y		
795.	2501 <i>Dysphania glomulifera</i>			
796.	11368 <i>Dysphania glomulifera</i> subsp. <i>glomulifera</i>			

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797.	11105 <i>Echinochloa crus-galli</i>	Y		
798.	329 <i>Echinochloa crus-pavonis</i> (South American Barnyard Grass)	Y		
799.	39029 <i>Echinostelium minutum</i>			
800.	6681 <i>Echium plantagineum</i> (Paterson's Curse)	Y		
801.	8450 <i>Eclipta prostrata</i>	Y		
802.	25096 <i>Egernia kingii</i> (King's Skink)			
803.	25100 <i>Egernia napoleonis</i>			
804.	<i>Egretta garzetta</i>			
805.	<i>Egretta novaehollandiae</i>			
806.	347 <i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
807.	349 <i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
808.	<i>Ehrharta</i> sp.			
809.	42241 <i>Elaeomyxa reticulospora</i>			Y
810.	<i>Elanus axillaris</i>			
811.	25540 <i>Elanus caeruleus</i> (Black-shouldered Kite)			
812.	24290 <i>Elanus caeruleus</i> subsp. <i>axillaris</i> (Australian Black-shouldered Kite)			
813.	25250 <i>Elapognathus coronatus</i> (Crowned Snake)			
814.	5187 <i>Elatine gratioloides</i> (Waterwort)			
815.	822 <i>Eleocharis acuta</i> (Common Spikerush)			
816.	47937 <i>Eiseyornis melanops</i> (Black-fronted Dotterel)			
817.	1643 <i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
818.	1644 <i>Elythranthera emarginata</i> (Pink Enamel Orchid)			
819.	39030 <i>Enerthenema papillatum</i>			
820.	<i>Eodelena convexa</i>			
821.	<i>Eodelena lapidicola</i>			
822.	<i>Eolophus roseicapillus</i>			
823.	1645 <i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
824.	6131 <i>Epilobium billardiereanum</i> (Glabrous Willow Herb)			
825.	6132 <i>Epilobium ciliatum</i>	Y		
826.	6133 <i>Epilobium hirtigerum</i> (Hairy Willow Herb)			
827.	24567 <i>Epthianura albifrons</i> (White-fronted Chat)			
828.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
829.	379 <i>Eragrostis elongata</i> (Clustered Lovegrass)			
830.	13949 <i>Eremaea asterocarpa</i>			
831.	13950 <i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
832.	14097 <i>Eremaea asterocarpa</i> subsp. <i>brachyclada</i>			
833.	5541 <i>Eremaea pauciflora</i>			
834.	14104 <i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
835.	18301 <i>Eriobotrya japonica</i>	Y		
836.	1646 <i>Eriochilus dilatatus</i> (White Bunny Orchid)			
837.	15410 <i>Eriochilus dilatatus</i> subsp. <i>dilatatus</i>			
838.	15412 <i>Eriochilus dilatatus</i> subsp. <i>multiflorus</i>			
839.	15414 <i>Eriochilus helonomus</i>			
840.	15415 <i>Eriochilus scaber</i> subsp. <i>scaber</i>			
841.	10802 <i>Eriochilus tenuis</i>			
842.	<i>Eriophora biapicata</i>			
843.	4332 <i>Erodium botrys</i> (Long Storksbill)	Y		
844.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
845.	15446 <i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			
846.	<i>Erythracarus decoris</i>			
847.	24379 <i>Erythronyctes cinctus</i> (Red-kneed Dotterel)			
848.	<i>Ethmostigmus rubripes</i>			
849.	<i>Eucalyptus ?camaldulensis x robusta</i>			Y
850.	<i>Eucalyptus ?rudis</i>			Y
851.	17359 <i>Eucalyptus botryoides</i>	Y		
852.	35345 <i>Eucalyptus camaldulensis</i> subsp. <i>obtusa</i> (Blunt-budded River Red Gum)			
853.	5615 <i>Eucalyptus decipiens</i> (Limestone Marlock, Moit)			
854.	5659 <i>Eucalyptus gomphocephala</i> (Tuart, Duart)			
855.	48440 <i>Eucalyptus grandis</i>	Y		
856.	5708 <i>Eucalyptus marginata</i> (Jarrah, Djara)			
857.	13547 <i>Eucalyptus marginata</i> subsp. <i>marginata</i> (Jarrah)			
858.	5739 <i>Eucalyptus patens</i> (Swan River Blackbutt, Dwuda)			
859.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
860.	13511 <i>Eucalyptus rudis</i> subsp. <i>rudis</i>			
861.	<i>Eucalyptus</i> sp.			
862.	5790 <i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
863.	3872 <i>Euchilopsis linearis</i> (Swamp Pea)			
864.	15137 <i>Euchiton sphaericus</i>			
865.	4627 <i>Euphorbia helioscopia</i> (Sun Spurge)	Y		
866.	20014 <i>Euphorbia hyssopifolia</i>	Y		

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867.	29940 <i>Euphorbia maculata</i>	Y		
868.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
869.	24368 <i>Eurostopodus argus</i> (Spotted Nightjar)			
870.	25591 <i>Eurystomus orientalis</i> (Dollarbird)			
871.	3880 <i>Eutaxia virgata</i>			
872.	835 <i>Evandra pauciflora</i>			
873.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
874.	25621 <i>Falco berigora</i> (Brown Falcon)			
875.	24471 <i>Falco berigora subsp. berigora</i> (Brown Falcon)			
876.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
877.	25623 <i>Falco longipennis</i> (Australian Hobby)			
878.	24041 <i>Felis catus</i> (Cat)	Y		
879.	1515 <i>Ferraria crispa</i> (Black Flag)	Y		
880.	430 <i>Festuca arundinacea</i> (Tall Fescue)	Y		
881.	20216 <i>Ficinia nodosa</i> (Knotted Club Rush)			
882.	1747 <i>Ficus carica</i> (Common Fig)	Y		
883.	894 <i>Fimbristylis velata</i>			
884.	27748 <i>Flavoparmelia rutidota</i>			
885.	27751 <i>Flavoparmelia soledians</i>			
886.	6221 <i>Foeniculum vulgare</i> (Fennel)	Y		
887.	18392 <i>Freesia alba</i> x <i>leichtlinii</i>	Y		
888.	25727 <i>Fulica atra</i> (Eurasian Coot)			
889.	24761 <i>Fulica atra subsp. australis</i> (Eurasian Coot)			
890.	39033 <i>Fuligo septica</i>			
891.	<i>Fumaria ?capreolata</i>			Y
892.	2969 <i>Fumaria capreolata</i> (Whiteflower Fumitory)	Y		
893.	31532 <i>Fumaria muralis subsp. muralis</i>	Y		
894.	<i>Fumaria</i> sp.			
895.	30916 <i>Funambulus pennanti</i> (Indian Palm Squirrel)	Y		
896.	907 <i>Gahnia trifida</i> (Coast Saw-sedge)			
897.	34028 <i>Galaxias occidentalis</i> (Western Minnow)			
898.	7323 <i>Galium murale</i> (Small Goosegrass)	Y		
899.	25729 <i>Gallinula tenebrosa</i> (Dusky Moorhen)			
900.	24763 <i>Gallinula tenebrosa subsp. tenebrosa</i> (Dusky Moorhen)			
901.	25730 <i>Gallirallus philippensis</i> (Buff-banded Rail)			
902.	20247 <i>Gamochaeta calviceps</i>	Y		
903.	19195 <i>Gamochaeta pensylvanica</i>	Y		
904.	20475 <i>Gastrolobium capitatum</i>			
905.	20473 <i>Gastrolobium ebracteolatum</i>			
906.	20483 <i>Gastrolobium linearifolium</i>			
907.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
908.	<i>Gea theridioides</i>			
909.	<i>Geastrum fornicatum</i>			
910.	<i>Geastrum</i> sp.			
911.	24959 <i>Gehyra variegata</i>			
912.	<i>Geogarypus taylori</i>			
913.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
914.	4339 <i>Geranium molle</i> (Dove's Foot Cranesbill)	Y		
915.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
916.	24271 <i>Gerygone fusca subsp. fusca</i> (Western Gerygone)			
917.	1518 <i>Gladiolus angustus</i> (Long Tubed Painted Lady)	Y		
918.	1520 <i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
919.	1524 <i>Gladiolus undulatus</i> (Wild Gladiolus)	Y		
920.	17043 <i>Glyceria declinata</i>	Y		
921.	47962 <i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
922.	12624 <i>Gnephosis angianthoides</i>			
923.	6587 <i>Gomphocarpus fruticosus</i> (Narrowleaf Cottonbush)	Y		
924.	3948 <i>Gompholobium capitatum</i>			
925.	10909 <i>Gompholobium confertum</i>			
926.	3954 <i>Gompholobium polymorphum</i>			
927.	3957 <i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
928.	6160 <i>Gonocarpus paniculatus</i>			
929.	6161 <i>Gonocarpus pithyoides</i>			
930.	12551 <i>Goodenia micrantha</i>			
931.	7538 <i>Goodenia pulchella</i>			
932.	19286 <i>Goodenia pulchella subsp. Coastal Plain A</i> (M. Hislop 634)			
933.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
934.	37500 <i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
935.	14282 <i>Gratiola pubescens</i>			
936.	19628 <i>Grevillea bipinnatifida subsp. bipinnatifida</i>			

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937.	1982 <i>Grevillea crithmifolia</i>			
938.	2032 <i>Grevillea leucopteris</i> (White Plume Grevillea)			
939.	15839 <i>Grevillea preissii</i> subsp. <i>preissii</i>			
940.	<i>Grevillea robusta</i>			Y
941.	<i>Gymnopilus allantopus</i>			
942.	38789 <i>Gymnopilus junonius</i>			
943.	<i>Gymnopilus purpuratus</i>			
944.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
945.	<i>Haemodorum ?spicatum</i>			Y
946.	1470 <i>Haemodorum paniculatum</i> (Mardja)			
947.	1472 <i>Haemodorum simplex</i>			
948.	<i>Haemodorum</i> sp.			
949.	1475 <i>Haemodorum spicatum</i> (Mardja)			
950.	2128 <i>Hakea amplexicaulis</i> (Prickly Hakea)			
951.	2179 <i>Hakea marginata</i>			
952.	2197 <i>Hakea prostrata</i> (Harsh Hakea)			
953.	2212 <i>Hakea sulcata</i> (Furrowed Hakea)			
954.	2216 <i>Hakea varia</i> (Variable-leaved Hakea)			
955.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)			
956.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
957.	3961 <i>Hardenbergia comptoniana</i> (Native Wisteria)			
958.	25410 <i>Heleioporus eyrei</i> (Moaning Frog)			
959.	25412 <i>Heleioporus psammophilus</i> (Sand Frog)			
960.	8010 <i>Helianthus tuberosus</i> (Jerusalem Artichoke)	Y		
961.	3016 <i>Heliophila pusilla</i>	Y		
962.	6710 <i>Heliotropium europaeum</i> (Common Heliotrope)	Y		
963.	<i>Hemiandra ?sp. Jurien</i>			Y
964.	16933 <i>Hemiandra glabra</i>			
965.	6838 <i>Hemiandra linearis</i> (Speckled Snakebush)			
966.	6839 <i>Hemiandra pungens</i> (Snakebush)			
967.	38320 <i>Hemiandra</i> sp. <i>Jurien</i> (B.J. Conn & M.E. Tozer BJC 3885)			
968.	25115 <i>Hemiergis initialis</i> subsp. <i>initialis</i>			
969.	25119 <i>Hemiergis quadrilineata</i>			
970.	<i>Henicops dentatus</i>			
971.	1293 <i>Hensmania turbinata</i>			
972.	<i>Heurodes turritus</i>			
973.	<i>Hexagonia vesparia</i>			
974.	5117 <i>Hibbertia cuneiformis</i> (Cutleaf Hibbertia)			
975.	19778 <i>Hibbertia glomerata</i> subsp. <i>darlingensis</i>			
976.	5134 <i>Hibbertia huegelii</i>			
977.	<i>Hibbertia huegelii</i> complex			Y
978.	5135 <i>Hibbertia hypericoides</i> (Yellow Buttercups)			
979.	45534 <i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
980.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
981.	<i>Hibbertia racemosa</i> /subvaginata			Y
982.	43280 <i>Hibbertia sericosepala</i>			
983.	5172 <i>Hibbertia stellaris</i> (Orange Stars)			
984.	48381 <i>Hibbertia striata</i>			
985.	5173 <i>Hibbertia subvaginata</i>			
986.	5176 <i>Hibbertia vaginata</i>			
987.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
988.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
989.	24775 <i>Himantopus himantopus</i> subsp. <i>leucocephalus</i> (Black-winged Stilt)			
990.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
991.	<i>Hogna crispipes</i>			
992.	38793 <i>Hohenbuehelia bingarra</i>			
993.	<i>Holconia westralia</i>			
994.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
995.	445 <i>Holcus setiger</i> (Annual Fog)	Y		
996.	9051 <i>Homalanthus novo-guineensis</i>			
997.	6222 <i>Homalosciadium homalocarpum</i>			
998.	449 <i>Hordeum leporinum</i> (Barley Grass)	Y		
999.	3966 <i>Hovea pungens</i> (Devil's Pins, Puyenak)			
1000.	3968 <i>Hovea trisperma</i> (Common Hovea)			
1001.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
1002.	12741 <i>Hyalosperma cotula</i>			
1003.	5216 <i>Hybanthus calycinus</i> (Wild Violet)			
1004.	<i>Hydnoplicata convoluta</i>			
1005.	6223 <i>Hydrocotyle alata</i>			
1006.	6226 <i>Hydrocotyle callicarpa</i> (Small Pennywort)			

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1007.	6238 <i>Hydrocotyle ranunculoides</i>	Y		
1008.	6240 <i>Hydrocotyle scutellifera</i>			
1009.	38795 <i>Hygrocybe conica</i>			
1010.	452 <i>Hyparrhenia hirta</i> (Tambookie Grass)	Y		
1011.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
1012.	35070 <i>Hypocalymma angustifolium</i> subsp. Swan Coastal Plain (G.J. Keighery 16777)			
1013.	5825 <i>Hypocalymma robustum</i> (Swan River Myrtle)			
1014.	8086 <i>Hypochoeris glabra</i> (Smooth Catsear)	Y		
1015.	9352 <i>Hypochoeris radicata</i> (Flat Weed, Cats-ear)	Y		
1016.	44718 <i>Hypocrea gelatinosa</i>			
1017.	1070 <i>Hypolaena exsulca</i>			
1018.	17841 <i>Hypolaena pubescens</i>			
1019.	<i>Hyporhamphus regularis</i>			
1020.	<i>Idiommata blackwallii</i>			
1021.	<i>Idiosoma hirsutum</i>			
1022.	48521 <i>Inocybe froudistingii</i>			
1023.	48549 <i>Inocybe subferruginea</i>			
1024.	6620 <i>Ipomoea cairica</i> (Coast Morning Glory)	Y		
1025.	910 <i>Isolepis cernua</i> (Nodding Club-rush)			
1026.	20200 <i>Isolepis cernua</i> var. <i>setiformis</i>			
1027.	912 <i>Isolepis cyperoides</i>			
1028.	917 <i>Isolepis marginata</i> (Coarse Club-rush)			
1029.	919 <i>Isolepis oldfieldiana</i>			
1030.	921 <i>Isolepis producta</i>			
1031.	10831 <i>Isolepis prolifera</i> (Budding Club-rush)	Y		
1032.	924 <i>Isolepis stellata</i> (Star Club-rush)			
1033.	<i>Isopeda leishmanni</i>			
1034.	2227 <i>Isopogon divergens</i> (Spreading Coneflower)			
1035.	3992 <i>Isotropis cuneifolia</i> (Granny Bonnets)			
1036.	19700 <i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i>			
1037.	1533 <i>Ixia paniculata</i>	Y		
1038.	8092 <i>Ixiolaena viscosa</i> (Sticky Ixiolaena)			
1039.	<i>Ixodes australiensis</i>			
1040.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
1041.	4029 <i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
1042.	19632 <i>Johnsonia pubescens</i> subsp. <i>pubescens</i>			
1043.	1177 <i>Juncus articulatus</i> (Jointed Rush)	Y		
1044.	1178 <i>Juncus bufonius</i> (Toad Rush)	Y		
1045.	1180 <i>Juncus capitatus</i> (Capitate Rush)	Y		
1046.	1185 <i>Juncus kraussii</i> (Sea Rush)			
1047.	1186 <i>Juncus microcephalus</i>	Y		
1048.	1188 <i>Juncus pallidus</i> (Pale Rush)			
1049.	1190 <i>Juncus planifolius</i> (Broadleaf Rush)			
1050.	<i>Kangarosa ludwigi</i>			
1051.	<i>Kangarosa properipes</i>			
1052.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
1053.	5832 <i>Kunzea ericifolia</i> (Spearwood, Pondil)			
1054.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
1055.	5835 <i>Kunzea micrantha</i>			
1056.	48837 <i>Laccocephalum mylittae</i>			
1057.	13562 <i>Lachenalia aloides</i>	Y		
1058.	1370 <i>Lachenalia reflexa</i>	Y		
1059.	19954 <i>Lachnagrostis aemula</i>			
1060.	20019 <i>Lachnagrostis filiformis</i>			
1061.	19955 <i>Lachnagrostis plebeia</i>			
1062.	6777 <i>Lachnostachys albicans</i>			
1063.	38803 <i>Lachnum virgineum</i>			
1064.	8095 <i>Lactuca saligna</i> (Wild Lettuce, Willow-leaf Lettuce)	Y		
1065.	8096 <i>Lactuca serriola</i> (Prickly Lettuce)	Y		
1066.	29046 <i>Lactuca serriola</i> forma <i>serriola</i>	Y		
1067.	18585 <i>Lagenophora huegelii</i>			
1068.	14646 <i>Lagunaria patersonia</i>	Y		
1069.	467 <i>Lagurus ovatus</i> (Hare's Tail Grass)	Y		
1070.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
1071.	2249 <i>Lambertia multiflora</i> (Many-flowered Honeysuckle)			
1072.	<i>Lampona brevipes</i>			
1073.	<i>Lampona cylindrata</i>			
1074.	39037 <i>Lamproderma scintillans</i>			
1075.	6733 <i>Lantana camara</i> (Common Lantana)	Y		
1076.	25637 <i>Larus novaehollandiae</i> (Silver Gull)			

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1077.	24511 <i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
1078.	25638 <i>Larus pacificus</i> (Pacific Gull)			
1079.	4052 <i>Latrobea tenella</i>			
1080.	<i>Latrodectus hasseltii</i>			
1081.	6879 <i>Lavandula stoechas</i> (Italian Lavender)	Y		
1082.	4958 <i>Lawrenzia spicata</i>			
1083.	1307 <i>Laxmannia ramosa</i> (Branching Lily)			
1084.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
1085.	11464 <i>Laxmannia sessiliflora</i> subsp. <i>australis</i>			
1086.	<i>Laxmannia</i> sp.			
1087.	1309 <i>Laxmannia squarrosa</i>			
1088.	27805 <i>Lecanora flavopallida</i>			
1089.	<i>Lecanora</i> sp.			
1090.	7572 <i>Lechenaultia expansa</i>			
1091.	7574 <i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
1092.	1051 <i>Lemna disperma</i> (Duckweed)			
1093.	38805 <i>Lentinellus pulvinulus</i>			
1094.	39038 <i>Leocarpus fragilis</i>			
1095.	6880 <i>Leonotis leonurus</i> (Lion's Ear)	Y		
1096.	44490 <i>Leontodon rhagadioloides</i>	Y		
1097.	8099 <i>Leontodon saxatilis</i> (Hairy Hawkbit)	Y		
1098.	1075 <i>Lepidobolus preissianus</i>			
1099.	<i>Lepidosperma</i> ?sp. Brixton Street broad inflorescence			Y
1100.	<i>Lepidosperma</i> ?sp. Darling Scarp			Y
1101.	<i>Lepidosperma</i> aff. Brixton Street			Y
1102.	925 <i>Lepidosperma angustatum</i>			
1103.	933 <i>Lepidosperma gladiatum</i> (Coast Sword-sedge, Kerbin)			
1104.	937 <i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
1105.	45753 <i>Lepidosperma oldhamii</i> (Oldham's Sword Sedge)			
1106.	940 <i>Lepidosperma pubisquamum</i>			
1107.	<i>Lepidosperma pubisquamum</i> "flat form"			
1108.	41649 <i>Lepidosperma rigidulum</i>			
1109.	944 <i>Lepidosperma scabrum</i>			
1110.	<i>Lepidosperma</i> sp.			
1111.	<i>Lepidosperma</i> sp. Brixton Street			Y
1112.	<i>Lepidosperma</i> sp. Brixton Street broad inflorescence			
1113.	<i>Lepidosperma</i> sp. Brixton Street narrow inflorescence			
1114.	<i>Lepidosperma</i> sp. Darling Scarp			Y
1115.	29150 <i>Lepidosperma</i> sp. Margaret River (B.J. Lepschi 1841)			
1116.	<i>Lepidosperma</i> sp. inland scabrum			Y
1117.	<i>Lepidosperma</i> sp. terete			Y
1118.	945 <i>Lepidosperma squamatum</i>			
1119.	<i>Lepidosperma squamatum</i> s.l.			
1120.	1653 <i>Leporella fimbriata</i> (Hare Orchid)			
1121.	1077 <i>Leptocarpus canus</i> (Hoary Twine-rush)			
1122.	1078 <i>Leptocarpus coangustatus</i>			
1123.	46375 <i>Leptocarpus decipiens</i>			
1124.	19833 <i>Leptocarpus laxus</i>			
1125.	46382 <i>Leptocarpus roycei</i>			
1126.	1080 <i>Leptocarpus scariosus</i>			
1127.	46383 <i>Leptocarpus tephrius</i>			
1128.	15418 <i>Leptoceras menziesii</i>			
1129.	27838 <i>Leptogium azureum</i>			
1130.	27840 <i>Leptogium menziesii</i>			
1131.	2342 <i>Leptomeria cunninghamii</i>			
1132.	2344 <i>Leptomeria empetriformis</i>			
1133.	2350 <i>Leptomeria pauciflora</i> (Sparse-flowered Currant Bush)			
1134.	5847 <i>Leptospermum erubescens</i> (Roadside Teatree)			
1135.	5850 <i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
1136.	1090 <i>Lepyrodia muirii</i>			
1137.	25131 <i>Lerista distinguenda</i>			
1138.	25133 <i>Lerista elegans</i>			
1139.	<i>Leucauge dromedaria</i>			Y
1140.	6360 <i>Leucopogon australis</i> (Spiked Beard-heath)			
1141.	6374 <i>Leucopogon conostephioides</i>			
1142.	6416 <i>Leucopogon nutans</i> (Drooping Leucopogon)			
1143.	6425 <i>Leucopogon oxycedrus</i>			
1144.	6427 <i>Leucopogon parviflorus</i> (Coast Beard-heath)			
1145.	6434 <i>Leucopogon polymorphus</i>			
1146.	6436 <i>Leucopogon propinquus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1147.	6440 <i>Leucopogon racemosus</i>			
1148.	40803 <i>Leucopogon squarrosus</i> subsp. <i>squarrosus</i>			
1149.	6451 <i>Leucopogon tenuis</i>			
1150.	<i>Levenhookia ?pusilla</i>			Y
1151.	7674 <i>Levenhookia preissii</i> (Preiss's Stylewort)			
1152.	7676 <i>Levenhookia pusilla</i> (Midget Stylewort)			
1153.	<i>Levenhookia pusilla/stipitata</i>			
1154.	7677 <i>Levenhookia stipitata</i> (Common Stylewort)			
1155.	25005 <i>Lialis burtonis</i>			
1156.	39041 <i>Licea kleistobolus</i>			
1157.	39042 <i>Licea minima</i>			
1158.	39046 <i>Licea rufocuprea</i>			Y
1159.	31280 <i>Lichenomphalia chromacea</i>			
1160.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
1161.	24582 <i>Lichmera indistincta</i> subsp. <i>indistincta</i> (Brown Honeyeater)			
1162.	38808 <i>Limacella pitereka</i>			
1163.	48640 <i>Limnobiium laevigatum</i>	Y		Y
1164.	25415 <i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
1165.	7075 <i>Linaria maroccana</i>	Y		
1166.	36179 <i>Liparophyllum violifolium</i>			
1167.	25378 <i>Litoria adelaidensis</i> (Slender Tree Frog)			
1168.	25388 <i>Litoria moorei</i> (Motorbike Frog)			
1169.	9289 <i>Lobelia anceps</i> (Angled Lobelia)			
1170.	7408 <i>Lobelia tenuior</i> (Slender Lobelia)			
1171.	6515 <i>Logania vaginalis</i> (White Spray)			
1172.	475 <i>Lolium multiflorum</i> (Italian Ryegrass)	Y		
1173.	10957 <i>Lolium perenne</i> x <i>rigidum</i>	Y		
1174.	478 <i>Lolium rigidum</i> (Wimmera Ryegrass)	Y		
1175.	<i>Lolium</i> sp.			
1176.	<i>Lolium</i> sp. (annual)			
1177.	<i>Lomandra ?caespitosa</i>			
1178.	<i>Lomandra ?hermaphrodita</i>			Y
1179.	<i>Lomandra ?nigricans</i>			Y
1180.	<i>Lomandra ?preissii</i>			
1181.	<i>Lomandra ?suaveolens</i>			Y
1182.	1223 <i>Lomandra caespitosa</i> (Tufted Mat Rush)			
1183.	<i>Lomandra caespitosa/suaveolens</i>			Y
1184.	1228 <i>Lomandra hermaphrodita</i>			
1185.	1232 <i>Lomandra micrantha</i> (Small-flower Mat-rush)			
1186.	14542 <i>Lomandra micrantha</i> subsp. <i>micrantha</i>			
1187.	1234 <i>Lomandra nigricans</i>			
1188.	1236 <i>Lomandra odora</i> (Tiered Matrush)			
1189.	1239 <i>Lomandra preissii</i>			
1190.	1243 <i>Lomandra sericea</i> (Silky Mat Rush)			
1191.	<i>Lomandra</i> sp.			
1192.	1246 <i>Lomandra suaveolens</i>			
1193.	25683 <i>Lonchura castaneothorax</i> (Chestnut-breasted Mannikin)			
1194.	<i>Longepi woodman</i>			
1195.	<i>Lophoictinia isura</i>			
1196.	4059 <i>Lotus angustissimus</i> (Narrowleaf Trefoil)	Y		
1197.	8564 <i>Lotus subbiflorus</i>	Y		
1198.	4063 <i>Lotus uliginosus</i> (Greater Lotus)	Y		
1199.	4065 <i>Lupinus angustifolius</i> (Narrowleaf Lupin)	Y		
1200.	4066 <i>Lupinus cosentinii</i>	Y		
1201.	1198 <i>Luzula meridionalis</i> (Field Woodrush)			
1202.	39048 <i>Lycogala epidendrum</i>			
1203.	<i>Lycosa ariadnae</i>			
1204.	<i>Lycosa gilberta</i>			
1205.	1097 <i>Lyginia barbata</i>			
1206.	<i>Lyginia barbata/imberbis</i>			
1207.	18049 <i>Lyginia imberbis</i>			
1208.	2396 <i>Lysiana casuarinae</i>			
1209.	36375 <i>Lysimachia arvensis</i> (Pimpernel)	Y		
1210.	6456 <i>Lysinema ciliatum</i> (Curry Flower)			
1211.	6458 <i>Lysinema elegans</i>			
1212.	34736 <i>Lysinema pentapetalum</i>			
1213.	5281 <i>Lythrum hyssopifolia</i> (Lesser Loosestrife)	Y		
1214.	2838 <i>Macarthuria apetala</i>			
1215.	2839 <i>Macarthuria australis</i>			
1216.	24132 <i>Macropus fuliginosus</i> (Western Grey Kangaroo)			

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1217.	18119 <i>Macrozamia fraseri</i>			
1218.	85 <i>Macrozamia riedlei</i> (<i>Zamia</i> , <i>Djiridji</i>)			
1219.	24326 <i>Malacorhynchus membranaceus</i> (<i>Pink-eared Duck</i>)			
1220.	25651 <i>Malurus lamberti</i> (<i>Variiegated Fairy-wren</i>)			
1221.	25654 <i>Malurus splendens</i> (<i>Splendid Fairy-wren</i>)			
1222.	24583 <i>Manorina flavigula</i> (<i>Yellow-throated Miner</i>)			
1223.	<i>Maratus pavonis</i>			
1224.	<i>Marchantia berteriana</i>			
1225.	4077 <i>Medicago minima</i> (<i>Small Burr Medic</i>)	Y		
1226.	4079 <i>Medicago polymorpha</i> (<i>Burr Medic</i>)	Y		
1227.	4080 <i>Medicago sativa</i> (<i>Alfalfa</i>)	Y		
1228.	25758 <i>Megalurus gramineus</i> (<i>Little Grassbird</i>)			
1229.	34676 <i>Meionectes brownii</i> (<i>Swamp Raspwort</i>)			
1230.	<i>Melaleuca ?thymoides</i>			Y
1231.	37580 <i>Melaleuca acutifolia</i>			
1232.	5881 <i>Melaleuca brevifolia</i>			
1233.	5900 <i>Melaleuca cuticularis</i> (<i>Saltwater Paperbark</i>)			
1234.	5920 <i>Melaleuca huegelii</i> (<i>Chenille Honeymyrtle</i>)			
1235.	13271 <i>Melaleuca huegelii</i> subsp. <i>huegelii</i>			
1236.	5921 <i>Melaleuca incana</i> (<i>Grey Honeymyrtle</i>)			
1237.	13273 <i>Melaleuca incana</i> subsp. <i>incana</i>			
1238.	5925 <i>Melaleuca lateriflora</i> (<i>Gorada</i>)			
1239.	5926 <i>Melaleuca lateritia</i> (<i>Robin Redbreast Bush</i>)			
1240.	19969 <i>Melaleuca linariifolia</i>	Y		
1241.	5942 <i>Melaleuca nervosa</i> (<i>Fibrebark</i>)			
1242.	20297 <i>Melaleuca osullivanii</i>			
1243.	5946 <i>Melaleuca pauciflora</i>			
1244.	5952 <i>Melaleuca preissiana</i> (<i>Moonah</i>)			
1245.	5959 <i>Melaleuca rhapsiophylla</i> (<i>Swamp Paperbark</i>)			
1246.	5964 <i>Melaleuca serjata</i>			
1247.	18598 <i>Melaleuca systema</i>			
1248.	5978 <i>Melaleuca teretifolia</i> (<i>Banbar</i>)			
1249.	5980 <i>Melaleuca thymoides</i>			
1250.	5983 <i>Melaleuca trichophylla</i>			
1251.	5984 <i>Melaleuca uncinata</i> (<i>Broom Bush</i> , <i>Kwidjard</i>)			
1252.	5987 <i>Melaleuca viminea</i> (<i>Mohan</i>)			
1253.	47997 <i>Melanodryas cucullata</i> (<i>Hooded Robin</i>)			
1254.	4085 <i>Melilotus indicus</i>	Y		
1255.	25663 <i>Melithreptus brevirostris</i> (<i>Brown-headed Honeyeater</i>)			
1256.	24587 <i>Melithreptus chloropsis</i> (<i>Western White-naped Honeyeater</i>)			
1257.	24736 <i>Melopsittacus undulatus</i> (<i>Budgerigar</i>)			
1258.	25184 <i>Menetia greyii</i>			
1259.	3050 <i>Menkea australis</i> (<i>Fairy Spectacles</i>)			
1260.	6884 <i>Mentha spicata</i> (<i>Spearmint</i>)	Y		
1261.	24598 <i>Merops ornatus</i> (<i>Rainbow Bee-eater</i>)			
1262.	953 <i>Mesomelaena graciliceps</i>			
1263.	955 <i>Mesomelaena pseudostygia</i>			
1264.	957 <i>Mesomelaena tetragona</i> (<i>Semaphore Sedge</i>)			
1265.	<i>Microcarbo melanoleucos</i>			
1266.	25693 <i>Microeca fascians</i> (<i>Jacky Winter</i>)			
1267.	485 <i>Microlaena stipoides</i> (<i>Weeping Grass</i>)			
1268.	8814 <i>Microtis brownii</i>			
1269.	31713 <i>Microtis cupularis</i>			
1270.	10954 <i>Microtis media</i> (<i>Tall Mignonette Orchid</i>)			
1271.	15419 <i>Microtis media</i> subsp. <i>media</i>			
1272.	8106 <i>Millotia tenuifolia</i> (<i>Soft Millotia</i>)			
1273.	14344 <i>Millotia tenuifolia</i> var. <i>tenuifolia</i> (<i>Soft Millotia</i>)			
1274.	25542 <i>Milvus migrans</i> (<i>Black Kite</i>)			
1275.	16693 <i>Minuartia mediterranea</i>	Y		
1276.	<i>Missulena granulosa</i>			
1277.	<i>Missulena occatoria</i>			
1278.	<i>Mituliodon tarantulinus</i>			
1279.	<i>Mitzoruga insularis</i>			
1280.	29418 <i>Monoculus monstrosus</i>	Y		
1281.	7410 <i>Monopsis debilis</i>	Y		
1282.	37440 <i>Monopsis debilis</i> var. <i>depressa</i>	Y		
1283.	4666 <i>Monotaxis occidentalis</i>			
1284.	19179 <i>Moraea flaccida</i> (<i>One-leaf Cape Tulip</i>)	Y		
1285.	25191 <i>Morethia lineocellata</i>			
1286.	25192 <i>Morethia obscura</i>			

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1287.	2412 <i>Muehlenbeckia adpressa</i> (Climbing Lignum)			
1288.	24223 <i>Mus musculus</i> (House Mouse)	Y		
1289.	20774 <i>Musa acuminata</i>	Y		
1290.	24042 <i>Mustela putorius</i> (European Polecat, Ferret)	Y		
1291.	<i>Mycena carmeliana</i>			
1292.	38812 <i>Mycena kuurkacea</i>			
1293.	<i>Mycena nargan</i>			
1294.	38813 <i>Mycena subgalericulata</i>			
1295.	25610 <i>Myiagra inquieta</i> (Restless Flycatcher)			
1296.	25420 <i>Myobatrachus gouldii</i> (Turtle Frog)			
1297.	7291 <i>Myoporum insulare</i> (Blueberry Tree, boobialla)			
1298.	8117 <i>Myriocephalus helichrysoides</i>			
1299.	14187 <i>Myriocephalus occidentalis</i>			
1300.	6189 <i>Myriophyllum crispatum</i>			
1301.	6198 <i>Myriophyllum salsugineum</i>			
1302.	6199 <i>Myriophyllum tillaeoides</i>			
1303.	<i>Myrtaceae</i> sp.			Y
1304.	<i>Nanometa gentilis</i>			
1305.	25248 <i>Neelaps bimaculatus</i> (Black-naped Snake)			
1306.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
1307.	24739 <i>Neophema petrophila</i> (Rock Parrot)			
1308.	<i>Nephila edulis</i>			
1309.	492 <i>Neurachne alopecuroidea</i> (Foxtail Mulga Grass)			
1310.	<i>Nicodamus mainae</i>			
1311.	6974 <i>Nicotiana glauca</i> (Tree Tobacco)	Y		
1312.	<i>Nidula emodensis</i>			
1313.	25747 <i>Ninox connivens</i> (Barking Owl)			
1314.	25252 <i>Notechis scutatus</i> (Tiger Snake)			
1315.	<i>Notiasemus glauerti</i>			
1316.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
1317.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
1318.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
1319.	41424 <i>Nyctophilus major</i> (Greater Long-eared Bat)			
1320.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
1321.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
1322.	6139 <i>Oenothera glazioviana</i> (Evening Primrose)	Y		
1323.	14293 <i>Oenothera indecora</i> subsp. <i>bonariensis</i>	Y		
1324.	20052 <i>Oenothera jamesii</i>	Y		
1325.	16347 <i>Oenothera laciniata</i>	Y		
1326.	6140 <i>Oenothera mollissima</i>	Y		
1327.	6141 <i>Oenothera speciosa</i> (White Evening Primrose)	Y		
1328.	6142 <i>Oenothera stricta</i> (Common Evening Primrose)	Y		
1329.	14292 <i>Oenothera stricta</i> subsp. <i>stricta</i>	Y		
1330.	8127 <i>Olearia axillaris</i> (Coastal Daisybush)			
1331.	8143 <i>Olearia paucidentata</i> (Autumn Scrub Daisy)			
1332.	8149 <i>Olearia rudis</i> (Rough Daisybush)			
1333.	39054 <i>Oligonema schweinitzii</i>			
1334.	<i>Oplidium brassicae</i>			Y
1335.	<i>Ommatoiulus moreleti</i>			
1336.	<i>Ommatoiulus moreletii</i>			
1337.	38816 <i>Omphalotus nidiformis</i>			
1338.	18255 <i>Opercularia vaginata</i> (Dog Weed)			
1339.	12782 <i>Ophioglossum gramineum</i>			
1340.	17 <i>Ophioglossum lusitanicum</i> (Adders Tongue)			
1341.	<i>Orchidaceae</i> sp.			Y
1342.	36177 <i>Ornduffia albiflora</i>			
1343.	1372 <i>Ornithogalum arabicum</i> (Lesser Cape Lily)	Y		
1344.	4113 <i>Ornithopus compressus</i> (Yellow Serradella)	Y		
1345.	7122 <i>Orobanche minor</i> (Lesser Broomrape)	Y		
1346.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
1347.	17756 <i>Osteospermum ecklonis</i>	Y		
1348.	168 <i>Ottelia ovalifolia</i> (Swamp Lily)			
1349.	4356 <i>Oxalis pes-caprae</i> (Soursob)	Y		
1350.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
1351.	24624 <i>Pachycephala rufiventris</i> subsp. <i>rufiventris</i> (Rufous Whistler)			
1352.	507 <i>Panicum miliaceum</i> (Millet Panic)	Y		
1353.	<i>Papillogobius punctatus</i>			
1354.	<i>Paralamyctes cammoensis</i>			Y
1355.	25253 <i>Parasuta gouldii</i>			
1356.	25255 <i>Parasuta nigriceps</i>			

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1357.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
1358.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
1359.	34481 <i>Parthenocissus quinquefolia</i>	Y		
1360.	527 <i>Paspalum dilatatum</i>	Y		
1361.	528 <i>Paspalum distichum</i> (Water Couch)	Y		
1362.	532 <i>Paspalum urvillei</i> (Vasey Grass)	Y		
1363.	1550 <i>Patersonia occidentalis</i> (Purple Flag, Koma)			
1364.	30471 <i>Patersonia occidentalis</i> var. <i>angustifolia</i>			
1365.	30472 <i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
1366.	<i>Pediana occidentalis</i>			
1367.	<i>Pelargonium ?littorale</i>			Y
1368.	4343 <i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
1369.	4346 <i>Pelargonium littorale</i>			
1370.	<i>Pelates sexlineatus</i>			
1371.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
1372.	27121 <i>Penicillus nodulosus</i>			
1373.	6006 <i>Pericalymma ellipticum</i> (Swamp Teatree)			
1374.	16477 <i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
1375.	16478 <i>Pericalymma ellipticum</i> var. <i>floridum</i>			
1376.	39057 <i>Perichaena corticalis</i>			
1377.	39058 <i>Perichaena depressa</i>			
1378.	39059 <i>Perichaena vermicularis</i>			
1379.	13911 <i>Persicaria decipiens</i>			
1380.	11020 <i>Persicaria hydropiper</i>			
1381.	16983 <i>Persicaria maculosa</i>	Y		
1382.	11052 <i>Persicaria prostrata</i>			
1383.	2273 <i>Persoonia saccata</i> (Snottygobble)			
1384.	27947 <i>Pertusaria gibberosa</i>			
1385.	48060 <i>Petrochelidon ariel</i> (Fairy Martin)			
1386.	48061 <i>Petrochelidon nigricans</i> (Tree Martin)			
1387.	48066 <i>Petroica boodang</i> (Scarlet Robin)			
1388.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
1389.	20368 <i>Petrophile axillaris</i>			
1390.	20391 <i>Petrophile juncifolia</i>			
1391.	2299 <i>Petrophile linearis</i> (Pixie Mops)			
1392.	2301 <i>Petrophile macrostachya</i>			
1393.	2308 <i>Petrophile seminuda</i>			
1394.	2312 <i>Petrophile striata</i>			
1395.	19825 <i>Petrorhagia dubia</i>	Y		
1396.	49073 <i>Peziza austrogeaster</i>			
1397.	<i>Peziza</i> sp.			
1398.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
1399.	24665 <i>Phalacrocorax fuscescens</i> (Black-faced Cormorant)			
1400.	25698 <i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
1401.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
1402.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
1403.	11494 <i>Phalaris arundinacea</i> var. <i>arundinacea</i>	Y		
1404.	<i>Phalacrocorax harpagos</i>			Y
1405.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
1406.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
1407.	20460 <i>Pheladenia deformis</i>			
1408.	<i>Phellinus gilvus</i>			
1409.	<i>Phenasteron longiconductor</i>			
1410.	18529 <i>Philothea spicata</i> (Pepper and Salt)			
1411.	1172 <i>Philydrella drummondii</i>			
1412.	14306 <i>Philydrella pygmaea</i> subsp. <i>pygmaea</i>			
1413.	1478 <i>Phlebocarya ciliata</i>			
1414.	1479 <i>Phlebocarya filifolia</i>			
1415.	<i>Phlebocarya</i> sp.			
1416.	<i>Pholiota communis</i>			
1417.	<i>Phryganoporus candidus</i>			
1418.	48071 <i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
1419.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
1420.	16177 <i>Phyllangium paradoxum</i>			
1421.	4675 <i>Phyllanthus calycinus</i> (False Boronia)			
1422.	4 <i>Phylloglossum drummondii</i> (Pigmy Clubmoss)			
1423.	4141 <i>Phyllota gracilis</i>			
1424.	6984 <i>Physalis philadelphica</i> (Tomatillo)	Y		Y
1425.	39060 <i>Physarum album</i>			
1426.	39061 <i>Physarum bitectum</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1427.	39062 <i>Physarum bivalve</i>			Y
1428.	39063 <i>Physarum cinereum</i>			
1429.	39064 <i>Physarum citrinum</i>			Y
1430.	39065 <i>Physarum compressum</i>			
1431.	39069 <i>Physarum famintinii</i>			Y
1432.	39072 <i>Physarum melleum</i>			
1433.	44062 <i>Physarum polycephalum</i>			
1434.	39074 <i>Physarum pusillum</i>			
1435.	39076 <i>Physarum sessile</i>			Y
1436.	39078 <i>Physarum vernum</i>			
1437.	39079 <i>Physarum viride</i>			
1438.	2793 <i>Phytolacca octandra</i> (Red Ink Plant)	Y		
1439.	<i>Phytophthora cinnamomi</i>			
1440.	49071 <i>Picipes badius</i>			
1441.	5243 <i>Pimelea ferruginea</i>			
1442.	11404 <i>Pimelea imbricata</i> var. <i>major</i>			
1443.	11402 <i>Pimelea imbricata</i> var. <i>piligera</i>			
1444.	5252 <i>Pimelea lanata</i>			
1445.	5254 <i>Pimelea leucantha</i>			
1446.	18117 <i>Pimelea rosea</i> subsp. <i>rosea</i>			
1447.	12041 <i>Pimelea suaveolens</i> subsp. <i>suaveolens</i>			
1448.	5268 <i>Pimelea sulphurea</i> (Yellow Banjine)			
1449.	<i>Pinkfloydia harveii</i>			
1450.	<i>Piona cumberlandensis</i>			
1451.	<i>Pisolithus</i> sp.			
1452.	42281 <i>Pithocarpa cordata</i>			
1453.	8165 <i>Pithocarpa pulchella</i> (Beautiful Pithocarpa)			
1454.	18353 <i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
1455.	7304 <i>Plantago major</i> (Greater Plantain)	Y		
1456.	24841 <i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
1457.	24842 <i>Platalea regia</i> (Royal Spoonbill)			
1458.	25720 <i>Platycercus icterotis</i> (Western Rosella)			
1459.	24747 <i>Platycercus spurius</i> (Red-capped Parrot)			
1460.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
1461.	24750 <i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
1462.	6249 <i>Platysace compressa</i> (Tapeworm Plant)			
1463.	6253 <i>Platysace filiformis</i>			
1464.	4524 <i>Platytheca galioides</i>			
1465.	25509 <i>Pletholax gracilis</i> (Keeled Legless Lizard)			
1466.	25007 <i>Pletholax gracilis</i> subsp. <i>gracilis</i> (Keeled Legless Lizard)			
1467.	38823 <i>Pleuroflammula praestans</i>			
1468.	38825 <i>Pluteus pauperculus</i>			
1469.	571 <i>Poa annua</i> (Winter Grass)	Y		
1470.	578 <i>Poa porphyroclados</i>			
1471.	<i>Poaceae</i> sp.			
1472.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
1473.	24679 <i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			
1474.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
1475.	8175 <i>Podolepis gracilis</i> (Slender Podolepis)			
1476.	8179 <i>Podolepis nutans</i> (Nodding Podolepis)			
1477.	<i>Podotheca ?chrysantha</i>			Y
1478.	<i>Podotheca ?gnaphalioides</i>			
1479.	8182 <i>Podotheca angustifolia</i> (Sticky Longheads)			
1480.	<i>Podotheca angustifolia/gnaphalioides</i>			Y
1481.	8183 <i>Podotheca chrysantha</i> (Yellow Podotheca)			
1482.	8184 <i>Podotheca gnaphalioides</i> (Golden Long-heads)			
1483.	<i>Podotheca</i> sp.			
1484.	<i>Podykipus collinus</i>			
1485.	25510 <i>Pogona minor</i> (Dwarf Bearded Dragon)			
1486.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
1487.	24681 <i>Poliocephalus poliocephalus</i> (Hoary-headed Grebe)			
1488.	<i>Poltys laciniosus</i>			
1489.	2905 <i>Polycarpon tetraphyllum</i> (Fourleaf Allseed)	Y		
1490.	8395 <i>Polygala myrtifolia</i> (Myrtleleaf Milkwort)	Y		
1491.	4578 <i>Polygala virgata</i>	Y		
1492.	2419 <i>Polygonum aviculare</i> (Wireweed)	Y		
1493.	582 <i>Polypogon monspeliensis</i> (Annual Beardgrass)	Y		
1494.	583 <i>Polypogon tenellus</i>			
1495.	25722 <i>Polytelis anthopeplus</i> (Regent Parrot)			
1496.	4691 <i>Poranthera microphylla</i> (Small Poranthera)			

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1497.	<i>Poranthera microphylla/moorokatta</i>			
1498.	<i>Poronia erici</i>			
1499.	44729 <i>Porostereum crassum</i>			
1500.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
1501.	24767 <i>Porphyrio porphyrio subsp. bellus</i> (Purple Swamphen)			
1502.	24769 <i>Porzana fluminea</i> (Australian Spotted Crane)			
1503.	25732 <i>Porzana pusilla</i> (Baillon's Crane)			
1504.	24770 <i>Porzana pusilla subsp. palustris</i> (Baillon's Crane)			
1505.	24771 <i>Porzana tabuensis</i> (Spotless Crane)			
1506.	1670 <i>Prasophyllum drummondii</i> (Swamp Leek Orchid)			
1507.	1671 <i>Prasophyllum elatum</i> (Tall Leek Orchid)			
1508.	1672 <i>Prasophyllum fimbria</i> (Fringed Leek Orchid)			
1509.	1673 <i>Prasophyllum gibbosum</i> (Humped Leek Orchid)			
1510.	1674 <i>Prasophyllum giganteum</i> (Bronze Leek Orchid)			
1511.	1676 <i>Prasophyllum hians</i> (Yawning Leek Orchid)			
1512.	1677 <i>Prasophyllum macrostachyum</i> (Laughing Leek Orchid)			
1513.	1680 <i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
1514.	10853 <i>Prasophyllum plumiforme</i>			
1515.	1681 <i>Prasophyllum regium</i> (King Leek Orchid)			
1516.	<i>Prionosternum scutatum</i>			
1517.	<i>Psathyrella candolleana</i>			
1518.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
1519.	8189 <i>Pseudognaphalium luteoalbum</i> (Jersey Cudweed)			
1520.	25511 <i>Pseudonaja affinis</i> (Dugite)			
1521.	25259 <i>Pseudonaja affinis subsp. affinis</i> (Dugite)			
1522.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
1523.	25433 <i>Pseudophryne guentheri</i> (Crawling Toadlet)			
1524.	48085 <i>Psittacula krameri</i> (Indian Ringnecked Parrot, Rose-ringed Parakeet)	Y		
1525.	41651 <i>Pteridium esculentum subsp. esculentum</i>			
1526.	<i>Pterostylis ?sanguinea</i>			Y
1527.	<i>Pterostylis aff. nana</i>			
1528.	<i>Pterostylis aff. nana ?short sepal</i>			Y
1529.	15426 <i>Pterostylis aspera</i>			
1530.	48675 <i>Pterostylis atosanguinea</i>			
1531.	17267 <i>Pterostylis brevisejala</i>			
1532.	48677 <i>Pterostylis ectypha</i>			
1533.	44723 <i>Pterostylis glebosa</i>			
1534.	<i>Pterostylis nana "short sepal"</i>			Y
1535.	48674 <i>Pterostylis orbiculata</i>			
1536.	1693 <i>Pterostylis recurva</i> (Jug Orchid)			
1537.	12217 <i>Pterostylis sanguinea</i>			
1538.	<i>Pterostylis sp.</i>			
1539.	18655 <i>Pterostylis sp. crinkled leaf</i> (G.J. Keighery 13426)			
1540.	1698 <i>Pterostylis vittata</i> (Banded Greenhood)			
1541.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
1542.	11260 <i>Ptilotus drummondii var. drummondii</i> (Pussytail)			
1543.	2742 <i>Ptilotus manglesii</i> (Pom Poms, Mulamula)			
1544.	2751 <i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
1545.	15856 <i>Ptilotus sericostachyus subsp. sericostachyus</i>			
1546.	24711 <i>Puffinus assimilis subsp. assimilis</i> (Little Shearwater)			
1547.	4177 <i>Pultenaea ochreatea</i>			
1548.	4181 <i>Pultenaea reticulata</i>			
1549.	<i>Purpureicephalus spurius</i>			
1550.	48835 <i>Pycnopus coccineus</i>			
1551.	48833 <i>Pycnopus sanguineus</i>			
1552.	25008 <i>Pygopus lepidopodus</i> (Common Scaly Foot)			
1553.	16367 <i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
1554.	48803 <i>Pyxine soledata</i>			
1555.	8195 <i>Quinetia urvillei</i>			
1556.	28031 <i>Ramalina inflata</i>			
1557.	28224 <i>Ramalina inflata subsp. australis</i>			
1558.	2933 <i>Ranunculus muricatus</i> (Sharp Buttercup)	Y		
1559.	24243 <i>Rattus fuscipes</i> (Western Bush Rat)			
1560.	24244 <i>Rattus norvegicus</i> (Brown Rat)	Y		
1561.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
1562.	<i>Raveniella cirrata</i>			
1563.	<i>Raveniella peckorum</i>			
1564.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
1565.	6012 <i>Regelia ciliata</i>			
1566.	6014 <i>Regelia inops</i>			

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1567.	3085 <i>Reseda luteola</i> (Wild Mingnonette)	Y		
1568.	19183 <i>Retama raetam</i>	Y		
1569.	39080 <i>Reticularia intermedia</i>			
1570.	39081 <i>Reticularia lycoperdon</i>			
1571.	39082 <i>Reticularia olivacea</i>			Y
1572.	4822 <i>Rhamnus alaternus</i> (Buckthorn)	Y		
1573.	48096 <i>Rhipidura albiscapa</i> (Grey Fantail)			
1574.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
1575.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
1576.	13300 <i>Rhodanthe citrina</i>			
1577.	13312 <i>Rhodanthe pyrethrum</i>			
1578.	45434 <i>Roldana petasitis</i>	Y		
1579.	14485 <i>Romulea flava</i> var. <i>minor</i>	Y		
1580.	1556 <i>Romulea rosea</i> (Guildford Grass)	Y		
1581.	11544 <i>Romulea rosea</i> var. <i>australis</i> (Guildford Grass)	Y		
1582.	14924 <i>Romulea rosea</i> var. <i>communis</i>	Y		
1583.	3066 <i>Rorippa nasturtium-aquaticum</i> (Watercress)	Y		
1584.	10970 <i>Rostraria cristata</i>	Y		
1585.	44608 <i>Rosulabryum billardieri</i>			
1586.	20496 <i>Rubus laudatus</i>	Y		
1587.	2429 <i>Rumex acetosella</i> (Sorrel)	Y		
1588.	2433 <i>Rumex crispus</i> (Curled Dock)	Y		
1589.	40425 <i>Rytidosperma caespitosum</i>			
1590.	40426 <i>Rytidosperma occidentale</i>			
1591.	2906 <i>Sagina apetala</i> (Annual Pearlwort)	Y		
1592.	2907 <i>Sagina procumbens</i> (Spreading Pearlwort)	Y		
1593.	17591 <i>Sagittaria platyphylla</i>	Y		
1594.	48430 <i>Salicornia quinqueflora</i>			
1595.	79 <i>Salvinia molesta</i> (Salvinia)	Y		
1596.	6483 <i>Samolus junceus</i>			
1597.	6484 <i>Samolus repens</i> (Creeping Brookweed)			
1598.	11647 <i>Samolus repens</i> var. <i>repens</i>			
1599.	7368 <i>Scabiosa atropurpurea</i> (Purple Pincushion)	Y		
1600.	7603 <i>Scaevola canescens</i> (Grey Scaevola)			
1601.	7613 <i>Scaevola glandulifera</i> (Viscid Hand-flower)			
1602.	7619 <i>Scaevola lanceolata</i> (Long-leaved Scaevola)			
1603.	7636 <i>Scaevola platyphylla</i> (Broad-leaved Fanflower)			
1604.	13182 <i>Scaevola repens</i> var. <i>repens</i>			
1605.	13152 <i>Scaevola thesioides</i> subsp. <i>thesioides</i>			
1606.	48834 <i>Schinus terebinthifolia</i>	Y		
1607.	<i>Schizophyllum commune</i>			
1608.	6263 <i>Schoenolaena juncea</i>			
1609.	973 <i>Schoenus asperocarpus</i> (Poison Sedge)			
1610.	978 <i>Schoenus brevisetis</i>			
1611.	979 <i>Schoenus caespititius</i>			
1612.	982 <i>Schoenus clandestinus</i>			
1613.	983 <i>Schoenus cruentus</i>			
1614.	984 <i>Schoenus curvifolius</i>			
1615.	986 <i>Schoenus efoliatus</i>			
1616.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
1617.	1006 <i>Schoenus odontocarpus</i>			
1618.	17614 <i>Schoenus plumosus</i>			
1619.	1011 <i>Schoenus rigens</i>			
1620.	1017 <i>Schoenus subbulbosus</i>			
1621.	1018 <i>Schoenus subfascicularis</i>			
1622.	16251 <i>Schoenus subflavus</i> subsp. <i>long leaves</i> (K.L. Wilson 2865)			
1623.	1023 <i>Schoenus tenellus</i>			
1624.	6033 <i>Scholtzia involucrata</i> (Spiked Scholtzia)			
1625.	<i>Scleroderma cepa</i>			
1626.	<i>Scolopendra laeta</i>			
1627.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
1628.	25878 <i>Senecio condylus</i>			
1629.	8203 <i>Senecio diaschides</i>			
1630.	<i>Senecio diaschides</i> /glomeratus			Y
1631.	20663 <i>Senecio multicaulis</i> subsp. <i>multicaulis</i>			
1632.	20161 <i>Senecio pinnatifolius</i>			
1633.	25884 <i>Senecio pinnatifolius</i> var. <i>latilobus</i>			
1634.	8220 <i>Senecio vulgaris</i> (Common Groundsel)	Y		
1635.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
1636.	<i>Servaea melaina</i>			

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1637.	19453 <i>Setaria parviflora</i>	Y		
1638.	<i>Silene armeria</i>			Y
1639.	2909 <i>Silene gallica</i> (French Catchfly)	Y		
1640.	15972 <i>Silene gallica</i> var. <i>gallica</i>	Y		
1641.	<i>Sillago burrus</i>			
1642.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
1643.	<i>Simaetha tenuior</i>			
1644.	25266 <i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
1645.	48862 <i>Sisyrinchium rosulatum</i>	Y		
1646.	<i>Smeringopus natalensis</i>			
1647.	30948 <i>Smicromis brevirostris</i> (Weebill)			
1648.	<i>Solaenodolichopus pruvoti</i>			
1649.	6988 <i>Solanum americanum</i> (Glossy Nightshade)	Y		
1650.	7020 <i>Solanum linnaeanum</i> (Apple of Sodom)	Y		
1651.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
1652.	7025 <i>Solanum oldfieldii</i>			
1653.	7037 <i>Solanum symonii</i>			
1654.	45036 <i>Solidago chilensis</i>	Y		
1655.	8230 <i>Sonchus asper</i> (Rough Sowthistle)	Y		
1656.	9367 <i>Sonchus hydrophilus</i> (Native Sowthistle)			
1657.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
1658.	616 <i>Sorghum bicolor</i> (Grain Sorghum)	Y		
1659.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
1660.	1558 <i>Sparaxis bulbifera</i>	Y		
1661.	1560 <i>Sparaxis pillansii</i> (Harlequin Flower)	Y		
1662.	2912 <i>Spergula arvensis</i> (Corn Spurry)	Y		
1663.	8900 <i>Spergularia marina</i>			
1664.	2915 <i>Spergularia rubra</i> (Sand Spurry)	Y		
1665.	20302 <i>Sphaerolobium hygrophilum</i>			
1666.	4205 <i>Sphaerolobium linophyllum</i>			
1667.	4211 <i>Sphaerolobium vimineum</i> (Leafless Globe Pea)			
1668.	8710 <i>Sporobolus africanus</i> (Parramatta Grass)	Y		
1669.	635 <i>Sporobolus virginicus</i> (Marine Couch)			
1670.	4828 <i>Spyridium globulosum</i> (Basket Bush)			
1671.	9069 <i>Stackhousia huegelii</i>			
1672.	<i>Steatoda capensis</i>			
1673.	2918 <i>Stellaria media</i> (Chickweed)	Y		
1674.	39083 <i>Stemonitis fusca</i>			
1675.	39087 <i>Stemonitis splendens</i>			
1676.	39088 <i>Stemonitis virginiensis</i>			
1677.	39089 <i>Stemonitopsis amoena</i>			
1678.	39090 <i>Stemonitopsis gracilis</i>			
1679.	40882 <i>Stemonitopsis hyperopta</i>			
1680.	636 <i>Stenotaphrum secundatum</i> (Buffalo Grass)	Y		
1681.	24528 <i>Sterna hybrida</i> subsp. <i>javanica</i> (Whiskered Tern)			
1682.	48594 <i>Sternula nereis</i> (Fairy Tern)			
1683.	24329 <i>Stictonetta naevosa</i> (Freckled Duck)			
1684.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
1685.	25597 <i>Strepera versicolor</i> (Grey Currawong)			
1686.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
1687.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
1688.	30950 <i>Streptopelia senegalensis</i> subsp. <i>senegalensis</i> (Laughing Turtle-Dove)	Y		
1689.	24942 <i>Strophurus spinigerus</i> subsp. <i>spinigerus</i>			
1690.	27318 <i>Struvea plumosa</i>			
1691.	44492 <i>Stuckenia pectinata</i>			
1692.	<i>Stylidium ?araeophyllum</i>			Y
1693.	7684 <i>Stylidium amoenum</i> (Lovely Triggerplant)			
1694.	30278 <i>Stylidium androsaceum</i>			
1695.	25831 <i>Stylidium araeophyllum</i> (Stilt Walker)			
1696.	<i>Stylidium araeophyllum/neurophyllum</i>			
1697.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
1698.	7696 <i>Stylidium calcaratum</i> (Book Triggerplant)			
1699.	7699 <i>Stylidium carnosum</i> (Fleshy-leaved Triggerplant)			
1700.	7712 <i>Stylidium despectum</i> (Dwarf Triggerplant)			
1701.	7713 <i>Stylidium dichotomum</i> (Pins-and-needles)			
1702.	7717 <i>Stylidium divaricatum</i> (Daddy-long-legs)			
1703.	7719 <i>Stylidium ecorne</i> (Foot Triggerplant)			
1704.	7721 <i>Stylidium emarginatum</i> (Biddy-four-legs)			
1705.	7734 <i>Stylidium guttatum</i> (Dotted Triggerplant)			
1706.	7742 <i>Stylidium inundatum</i> (Hundreds and Thousands)			

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1707.	25829 <i>Stylidium neurophyllum</i> (Coastal Plain Triggerplant)			
1708.	7768 <i>Stylidium obtusatum</i> (Pinafore Triggerplant)			
1709.	7774 <i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
1710.	7777 <i>Stylidium preissii</i> (Lizard Triggerplant)			
1711.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
1712.	20521 <i>Stylidium rigidulum</i>			
1713.	7790 <i>Stylidium roseoalatum</i> (Pink-wing Triggerplant)			
1714.	25806 <i>Stylidium scarosum</i>			
1715.	7798 <i>Stylidium schoenoides</i> (Cow Kicks)			
1716.	<i>Stylidium</i> sp.			
1717.	45594 <i>Stylidium tenue</i> subsp. <i>majusculum</i> (Showy Fountain Triggerplant)			
1718.	7806 <i>Stylidium utricularioides</i> (Pink Fan Triggerplant)			
1719.	1260 <i>Stypandra glauca</i> (Blind Grass)			
1720.	6476 <i>Styphelia tenuiflora</i> (Common Pinheath)			
1721.	2639 <i>Suaeda australis</i> (Seablite)			
1722.	<i>Supunna funerea</i>			
1723.	<i>Supunna picta</i>			
1724.	25902 <i>Symphotrichum squamatum</i> (Bushy Starwort)	Y		
1725.	15532 <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
1726.	<i>Synothele michaelsoni</i>			
1727.	<i>Synothele rastelloides</i>			
1728.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1729.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1730.	24207 <i>Tachyglossus aculeatus</i> (Short-beaked Echidna)			
1731.	25552 <i>Tadorna radjah</i> (Radjah Shelduck)			
1732.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
1733.	20024 <i>Tagetes erecta</i> (Marigold)	Y		
1734.	37360 <i>Tamarix ramosissima</i>	Y		
1735.	<i>Tamopsis darlingtoniana</i>			
1736.	<i>Tamopsis perthensis</i>			
1737.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
1738.	<i>Tasmanicosa leuckartii</i>			
1739.	20135 <i>Taxandria linearifolia</i>			
1740.	28065 <i>Teloschistes chrysophthalmus</i>			
1741.	4256 <i>Templetonia retusa</i> (Cockies Tongues)			
1742.	2791 <i>Tersonia cyathiflora</i> (Button Creeper)			
1743.	<i>Tetragnatha demissa</i>			
1744.	<i>Tetragnatha nitens</i>			
1745.	1036 <i>Tetraria octandra</i>			
1746.	48341 <i>Tetradthea hirsuta</i> subsp. <i>viminea</i>			
1747.	<i>Thelymitra</i> ? <i>graminea</i>			Y
1748.	<i>Thelymitra benthamiana/crinita/fuscolutea</i>			Y
1749.	1702 <i>Thelymitra campanulata</i> (Shirt Orchid)			
1750.	11143 <i>Thelymitra graminea</i>			
1751.	1710 <i>Thelymitra mucida</i> (Plum Orchid)			
1752.	<i>Thelymitra</i> sp.			
1753.	1716 <i>Thelymitra tigrina</i> (Tiger Orchid)			
1754.	20731 <i>Thelymitra vulgaris</i>			
1755.	20728 <i>Thelymitra xanthotricha</i>			
1756.	48136 <i>Threskiornis moluccus</i> (Australian White Ibis)			
1757.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
1758.	28071 <i>Thysanothecium scutellatum</i>			
1759.	<i>Thysanotus</i> ? <i>arbuscula</i>			Y
1760.	<i>Thysanotus</i> ? <i>manglesianus/patersonii</i> complex			Y
1761.	<i>Thysanotus</i> ? <i>thyrsoides</i>			
1762.	1318 <i>Thysanotus arbuscula</i>			
1763.	1319 <i>Thysanotus arenarius</i>			
1764.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
1765.	<i>Thysanotus manglesianus/patersonii</i> complex			
1766.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
1767.	1343 <i>Thysanotus patersonii</i>			
1768.	<i>Thysanotus</i> sp.			
1769.	46055 <i>Thysanotus</i> sp. Coastal plain (N.H. Brittan 66/63)			
1770.	1351 <i>Thysanotus sparteus</i>			
1771.	1354 <i>Thysanotus tenellus</i>			
1772.	1357 <i>Thysanotus thyrsoides</i>			
1773.	1358 <i>Thysanotus triandrus</i>			
1774.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
1775.	25519 <i>Tiliqua rugosa</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1776.	25204 <i>Tiliqua rugosa subsp. aspera</i>			
1777.	25207 <i>Tiliqua rugosa subsp. rugosa</i>			
1778.	45838 <i>Tilletia ehrhartae</i>			
1779.	<i>Tinytrema yarra</i>			
1780.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
1781.	24309 <i>Todiramphus sanctus subsp. sanctus</i> (Sacred Kingfisher)			
1782.	<i>Torquigener pleurogramma</i>			
1783.	19041 <i>Trachymene coerulea subsp. coerulea</i>			
1784.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
1785.	31694 <i>Tradescantia fluminensis</i>	Y		Y
1786.	<i>Tremella mesenterica</i>			
1787.	17684 <i>Tremulina tremula</i>			
1788.	1481 <i>Tribonanthes australis</i> (Southern Tiurndin)			
1789.	1483 <i>Tribonanthes longipetala</i> (Branching Tiurndin)			
1790.	1485 <i>Tribonanthes violacea</i> (Violet Tiurndin)			
1791.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
1792.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		
1793.	39094 <i>Trichia affinis</i>			
1794.	39095 <i>Trichia botrytis</i>			
1795.	39096 <i>Trichia contorta</i>			
1796.	39097 <i>Trichia decipiens</i>			
1797.	39100 <i>Trichia persimilis</i>			
1798.	39101 <i>Trichia varia</i>			
1799.	39102 <i>Trichia verrucosa</i>			
1800.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
1801.	24755 <i>Trichoglossus haematodus subsp. moluccanus</i> (Rainbow Lorikeet)	Y		
1802.	24754 <i>Trichoglossus haematodus subsp. rubitorquis</i> (Red-collared Lorikeet)			
1803.	25521 <i>Trichosurus vulpecula</i> (Common Brushtail Possum)			
1804.	24158 <i>Trichosurus vulpecula subsp. vulpecula</i> (Common Brushtail Possum)			
1805.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
1806.	1363 <i>Tricoryne tenella</i>			
1807.	1038 <i>Tricostularia neesii</i>			
1808.	<i>Trifolium ?campestre</i>			Y
1809.	<i>Trifolium ?campestre/dubium</i>			Y
1810.	4289 <i>Trifolium angustifolium</i> (Narrowleaf Clover)	Y		
1811.	17145 <i>Trifolium angustifolium var. angustifolium</i>	Y		
1812.	4292 <i>Trifolium campestre</i> (Hop Clover)	Y		
1813.	17763 <i>Trifolium campestre var. campestre</i> (Hop Clover)	Y		
1814.	<i>Trifolium campestre/dubium</i>			
1815.	4295 <i>Trifolium dubium</i> (Suckling Clover)	Y		
1816.	4298 <i>Trifolium hirtum</i> (Rose Clover)	Y		
1817.	14738 <i>Trifolium resupinatum var. resupinatum</i>	Y		
1818.	4309 <i>Trifolium scabrum</i> (Rough Clover)	Y		
1819.	<i>Trifolium sp.</i>			
1820.	4314 <i>Trifolium suffocatum</i> (Suffocated Clover)	Y		
1821.	4315 <i>Trifolium tomentosum</i> (Woolly Clover)	Y		
1822.	15509 <i>Trifolium tomentosum var. tomentosum</i>	Y		
1823.	33676 <i>Triglochin calcitrapa</i>			
1824.	147 <i>Triglochin mucronata</i>			
1825.	148 <i>Triglochin muelleri</i>			
1826.	18587 <i>Triglochin nana</i>			
1827.	<i>Triglochin sp. FL-3</i> (possibly <i>T. nana</i>)			Y
1828.	4737 <i>Tripterococcus brunonis</i> (Winged Stackhousia)			
1829.	1139 <i>Trithuria bibracteata</i>			
1830.	4360 <i>Tropaeolum majus</i> (Garden Nasturtium)	Y		
1831.	39103 <i>Tubifera ferruginosa</i>			
1832.	48147 <i>Turnix varius</i> (Painted Button-quail)			
1833.	24851 <i>Turnix velox</i> (Little Button-quail)			
1834.	98 <i>Typha domingensis</i> (Bulrush, Djandjid)			
1835.	99 <i>Typha orientalis</i> (Bulrush, Cumbungi)			
1836.	24852 <i>Tyto alba subsp. delicatula</i> (Barn Owl)			
1837.	24983 <i>Underwoodisaurus milii</i> (Barking Gecko)			
1838.	<i>Urocampus carinirostris</i>			
1839.	<i>Urochilus sanguineus</i>			
1840.	<i>Urodacus novaehollandiae</i>			
1841.	8254 <i>Urospermum picroides</i> (False Hawkbit)	Y		
1842.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
1843.	38388 <i>Ursinia anthemoides subsp. anthemoides</i>	Y		
1844.	7145 <i>Utricularia menziesii</i> (Redcoats)			
1845.	7148 <i>Utricularia multifida</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1846.	7157 <i>Utricularia violacea</i> (Violet Bladderwort)			
1847.	25577 <i>Vanellus miles</i> (Masked Lapwing)			
1848.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
1849.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1850.	25225 <i>Varanus rosenbergi</i> (Heath Monitor)			
1851.	<i>Venator immansueta</i>			
1852.	<i>Venatrix pullastra</i>			
1853.	7108 <i>Veronica arvensis</i> (Wall Speedwell)	Y		
1854.	6076 <i>Verticordia densiflora</i> (Compacted Featherflower)			
1855.	15432 <i>Verticordia densiflora</i> var. <i>densiflora</i>			
1856.	6077 <i>Verticordia drummondii</i> (Drummond's Featherflower)			
1857.	6110 <i>Verticordia plumosa</i> (Plumed Featherflower)			
1858.	12449 <i>Verticordia plumosa</i> var. <i>brachyphylla</i>			
1859.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
1860.	4319 <i>Vicia benghalensis</i> (Purple Vetch)	Y		
1861.	4320 <i>Vicia hirsuta</i> (Hairy Vetch)	Y		
1862.	4322 <i>Vicia sativa</i> (Common Vetch)	Y		
1863.	11474 <i>Vicia sativa</i> subsp. <i>nigra</i>	Y		
1864.	4325 <i>Viminaria juncea</i> (Swishbush, Koweda)			
1865.	24040 <i>Vulpes vulpes</i> (Red Fox)	Y		
1866.	722 <i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
1867.	724 <i>Vulpia myuros</i> (Rat's Tail Fescue)	Y		
1868.	12052 <i>Vulpia myuros</i> forma <i>megalura</i>	Y		
1869.	<i>Vulpia</i> sp.			
1870.	<i>Wahlenbergia</i> ? <i>capensis</i>			Y
1871.	<i>Wahlenbergia</i> ? <i>preissii</i>			Y
1872.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
1873.	7389 <i>Wahlenbergia preissii</i>			
1874.	<i>Wahlenbergia</i> sp.			
1875.	8282 <i>Waitzia suaveolens</i> (Fragrant Waitzia)			
1876.	1567 <i>Watsonia meriana</i> (Bulbil Watsonia)	Y		
1877.	18108 <i>Watsonia meriana</i> var. <i>bulbillifera</i>	Y		
1878.	18118 <i>Watsonia meriana</i> var. <i>meriana</i>	Y		
1879.	1569 <i>Watsonia versfeldii</i>	Y		
1880.	39104 <i>Willkommlangea reticulata</i>			
1881.	6658 <i>Wilsonia backhousei</i> (Narrow-leaf Wilsonia)			
1882.	1251 <i>Xanthorrhoea brunonis</i>			
1883.	1256 <i>Xanthorrhoea preissii</i> (Grass tree, Palga)			
1884.	<i>Xanthorrhoea</i> sp.			
1885.	6289 <i>Xanthosia huegelii</i>			
1886.	2331 <i>Xylomelum occidentale</i> (Woody Pear, Djandin)			
1887.	<i>Zachria flavicoma</i>			
1888.	7113 <i>Zaluzianskya divaricata</i> (Spreading Night Phlox)	Y		
1889.	1049 <i>Zantedeschia aethiopica</i> (Arum Lily)	Y		
1890.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereeye)			

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 3

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: 26/10/20 14:46:12

[Summary](#)

[Details](#)

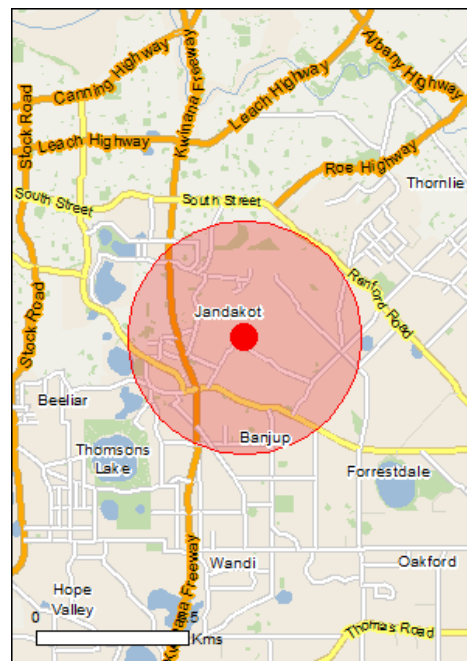
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

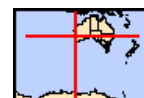
[Acknowledgements](#)



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

Buffer: 5.0Km



Summary

Matters of National Environmental Significance

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

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:	2
Listed Threatened Species:	23
Listed Migratory Species:	17

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:	26
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:	2
Regional Forest Agreements:	None
Invasive Species:	40
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar)	[Resource Information]
Name	Proximity
Forrestdale and thomsons lakes	Within 10km of Ramsar

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
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community likely to 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 canutus Red Knot, Knot [855]	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 likely to occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species

Name	Status	Type of Presence habitat may occur within area
Mammals		
Dasyurus geoffroi Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Species or species habitat likely to occur within area
Plants		
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat may occur within area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat known to occur within area
Diuris drummondii Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat known 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
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat may occur within area
Lepidosperma rostratum Beaked Lepidosperma [14152]	Endangered	Species or species habitat may occur within area
Synaphea sp. Fairbridge Farm (D. Papenfus 696) Selena's Synaphea [82881]	Critically Endangered	Species or species habitat may occur within area
Thelymitra dedmaniarum Cinnamon Sun Orchid [65105]	Endangered	Species or species habitat may occur within area
Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
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		

Name	Threatened	Type of Presence
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot [855]	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
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area
Calidris ruficollis Red-necked Stint [860]		Species or species habitat known to occur within area
Calidris subminuta Long-toed Stint [861]		Species or species habitat known to occur within area
Charadrius dubius Little Ringed Plover [896]		Species or species habitat known to occur within area
Limosa limosa Black-tailed Godwit [845]		Species or species habitat known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area
Philomachus pugnax Ruff (Reeve) [850]		Species or species habitat known to occur within area
Tringa glareola Wood Sandpiper [829]		Species or species habitat 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]		Species or species habitat known to occur within area

Other Matters Protected by the EPBC Act

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

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

Name

Commonwealth Land -

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

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

Name	Threatened	Type of Presence
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]		Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot [855]	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
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area
Calidris ruficollis Red-necked Stint [860]		Species or species habitat known to occur within area
Calidris subminuta Long-toed Stint [861]		Species or species habitat known to occur within area
Charadrius dubius Little Ringed Plover [896]		Species or species habitat known to occur within area
Charadrius ruficapillus Red-capped Plover [881]		Species or species habitat known to occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Himantopus himantopus Pied Stilt, Black-winged Stilt [870]		Species or species habitat known to occur within area

Name	Threatened	Type of Presence
Limosa limosa Black-tailed Godwit [845]		Species or species habitat known to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may 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 likely to occur within area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area
Philomachus pugnax Ruff (Reeve) [850]		Species or species habitat known to occur within area
Recurvirostra novaehollandiae Red-necked Avocet [871]		Species or species habitat known to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat known to occur within area
Thinornis rubricollis Hooded Plover [59510]		Species or species habitat may occur within area
Tringa glareola Wood Sandpiper [829]		Species or species habitat 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]		Species or species habitat known to occur within area

Extra Information

State and Territory Reserves	[Resource Information]
Name	State
Piara	WA
Thomsons Lake	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
Birds		
Acridotheres tristis Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Streptopelia senegalensis Laughing Turtle-dove, Laughing Dove [781]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Turdus merula Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Funambulus 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

Name	Status	Type of Presence
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 Bitou Bush, Boneseed [18983]		Species or species habitat may occur within area
Chrysanthemoides monilifera subsp. monilifera Boneseed [16905]		Species or species habitat likely to occur within area
Genista linifolia Flax-leaved Broom, Mediterranean Broom, Flax Broom [2800]		Species or species habitat likely to occur within area
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

Name	Status	Type of Presence 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
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

Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

Coordinates

-32.11086 115.87827

Acknowledgements

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

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

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

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

APPENDIX 4

Conservation Codes

Conservation Codes for Western Australian Flora and Fauna

Specially protected fauna or flora are species* which have been adequately searched for and are deemed to be, in the wild, either rare, at risk of extinction, or otherwise in need of special protection, and have been gazetted as such. Conservation codes have been transitioned under regulations 170, 171 and 172 of the *Biodiversity Conservation Regulations 2018*.

T Threatened species – Schedules 1-4

Listed by order of the Minister as Threatened in the category of critically endangered, endangered or vulnerable under section 19(1), or is a rediscovered species to be regarded as threatened species under section 26(2) of the *Biodiversity Conservation Act 2016* (BC Act).

- **Threatened fauna** is that subset of ‘Specially Protected Fauna’ listed under schedules 1 to 3 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018* for Threatened Fauna.
- **Threatened flora** is that subset of ‘Rare Flora’ listed under schedules 1 to 3 of the *Wildlife Conservation (Rare Flora) Notice 2018* for Threatened Flora.

The assessment of the conservation status of these species is based on their national extent and ranked according to their level of threat using IUCN Red List categories and criteria as detailed below.

CR Critically endangered species

Threatened species considered to be “*facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as critically endangered under section 19(1)(a) of the BC Act in accordance with the criteria set out in section 20 and the ministerial guidelines. Published under schedule 1 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018* for critically endangered fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for critically endangered flora.

EN Endangered species

Threatened species considered to be “*facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as endangered under section 19(1)(b) of the BC Act in accordance with the criteria set out in section 21 and the ministerial guidelines. Published under schedule 2 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018* for endangered fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for endangered flora.

VU Vulnerable species

Threatened species considered to be “*facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as vulnerable under section 19(1)(c) of the BC Act in accordance with the criteria set out in section 22 and the ministerial guidelines. Published under schedule 3 of the *Wildlife*

Conservation (Specially Protected Fauna) Notice 2018 for vulnerable fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for vulnerable flora.

EX Presumed extinct species

Species where “*there is no reasonable doubt that the last member of the species has died*”, and listing is otherwise in accordance with the ministerial guidelines (section 24 of the BC Act).

Published as presumed extinct under schedule 4 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018* for extinct fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for extinct flora.

EW Extinct in the wild species

Species that “*is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and it has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form*”, and listing is otherwise in accordance with the ministerial guidelines (section 25 of the BC Act).

Currently there are no threatened fauna or threatened flora species listed as extinct in the wild. If listing of a species as extinct in the wild occurs, then a schedule will be added to the applicable notice.

Specially protected species

Listed by order of the Minister as specially protected under section 13(1) of the BC Act. Meeting one or more of the following categories: species of special conservation interest; migratory species; cetaceans; species subject to international agreement; or species otherwise in need of special protection.

Species that are listed as threatened species (critically endangered, endangered or vulnerable) or extinct species under the BC Act cannot also be listed as Specially Protected species.

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; and listing is otherwise in accordance with the ministerial guidelines (section 15 of the BC Act).

Includes birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA), China (CAMBA) and The Republic of Korea (ROKAMBA), and fauna subject to the Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention), an environmental treaty under the United Nations Environment Program. Migratory species listed under the BC Act are a subset of the migratory animals, that are known to visit Western Australia, protected under the international agreements or treaties, excluding species that are listed as Threatened species.

Published as migratory birds protected under an international agreement under schedule 5 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018*.

CD Species of special conservation interest (conservation dependent fauna)

Fauna of special conservation need being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened, and listing is otherwise in accordance with the ministerial guidelines (section 14 of the BC Act).

Published as conservation dependent fauna under schedule 6 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018*.

OS Other specially protected species

Fauna otherwise in need of special protection to ensure their conservation, and listing is otherwise in accordance with the ministerial guidelines (section 18 of the BC Act).

Published as other specially protected fauna under schedule 7 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018*.

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 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.

Assessment of Priority codes is based on the Western Australian distribution of the species, unless the distribution in WA is part of a contiguous population extending into adjacent States, as defined by the known spread of locations.

Priority 1: 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, e.g. agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.

Priority 2: 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, e.g. national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.

Priority 3: 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. Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.

Priority 4: Rare, Near Threatened and other species in need of monitoring

- (a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection but could be if present circumstances change. These species are usually represented on conservation lands.
- (b) Near Threatened. Species that are considered to have been adequately surveyed and that are close to qualifying for vulnerable but are not listed as Conservation Dependent.
- (c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.

*Species includes all taxa (plural of taxon - a classificatory group of any taxonomic rank, e.g. a family, genus, species or any infraspecific category i.e. subspecies or variety, or a distinct population).

Western Australian Ecological Communities

Threatened Ecological Communities

The BC Act provides for the statutory listing of threatened ecological communities (TECs) by the Minister.

Presumed Totally Destroyed (PD)

An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.

Critically Endangered (CR)

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

Endangered (EN)

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

Vulnerable (VU)

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

Priority Ecological Communities

Possible threatened ecological communities that do not meet survey criteria or that are not adequately defined are added to the Priority Ecological Community List under priorities 1, 2 and 3. These three categories are ranked in order of priority for survey and/or definition of the community. Ecological communities that are adequately known, and are rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list, are placed in Priority 4. These ecological communities require regular monitoring. Conservation Dependent ecological communities are placed in Priority 5.

Priority One: Poorly-known ecological communities

Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤ 5 occurrences or a total area of ≤ 100 ha).

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

Priority Two: Poorly-known ecological communities

Communities that are known from few occurrences with a restricted distribution (generally ≤ 10 occurrences or a total area of ≤ 200 ha). At least some occurrences are not believed to be under immediate threat (within approximately 10 years) of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.

Priority Three: Poorly known ecological communities

- (i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or:
- (ii) communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat (within approximately 10 years), or;
- (iii) munities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, inappropriate fire regimes, clearing, hydrological change etc.

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

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

- (i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands.
- (ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for a higher threat category.
- (iii) Ecological communities that have been removed from the list of threatened communities during the past five years.

Priority Five: Conservation Dependent ecological communities

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

Commonwealth of Australia Conservation Codes

Threatened Flora and Fauna

Threatened fauna and flora may be listed under Section 178 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) in any one of the following six categories:

Extinct

A native species is eligible to be included in the extinct category at a particular time if, at that time, there is no reasonable doubt that the last member of the species has died.

Extinct in the wild

A native species is eligible to be included in the extinct in the wild category at a particular time if, at that time:

- a) it is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or
- b) it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.

Critically endangered

A taxon is Critically Endangered when the best available evidence indicates that it meets any of the five criteria for the category identified in Part 7.01 of the EPBC Regulations, and it is therefore considered to be facing an extremely high risk of extinction in the wild.

Endangered

A taxon is Endangered when the best available evidence indicates that it meets any of the five criteria for the category identified in Part 7.01 of the EPBC Regulations, and it is therefore considered to be facing a very high risk of extinction in the wild.

Vulnerable

A taxon is Vulnerable when the best available evidence indicates that it meets any of the five criteria for the category identified in Part 7.01 of the EPBC Regulations, and it is therefore considered to be facing a high risk of extinction in the wild.

Conservation dependent

A native species is eligible to be included in the conservation dependent category at a particular time if, at that time:

- a) the species is the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered; or
- b) the following subparagraphs are satisfied:
 - i. the species is a species of fish;

- ii. the species is the focus of a plan of management that provides for management actions necessary to stop the decline of, and support the recovery of, the species so that its chances of long term survival in nature are maximised;
- iii. the plan of management is in force under a law of the Commonwealth or of a State or Territory;
- iv. cessation of the plan of management would adversely affect the conservation status of the species.

The EPBC Act does not provide for listing in a data deficient category. Where sufficient data (evidence) is unavailable to allow assessment by the Threatened Species Scientific Committee against the criteria for listing, the species are found to be ineligible. A recommendation is made to the Minister to not include the species in any category under the EPBC Act. For reasons of transparency and to inform future research, the Threatened Species Scientific Committee publishes the names of those species found to be data deficient. As data deficient is not a listing category under the EPBC Act, this has no statutory implications and the species is not considered to be listed under the EPBC Act.

Threatened Ecological Communities

Threatened Ecological communities under the EPBC Act are listed in three categories.

Critically endangered

If, at that time, an ecological community is facing an extremely high risk of extinction in the wild in the immediate future (indicative timeframe being the next 10 years).

Endangered

If, at that time, an ecological community is not critically endangered but is facing a very high risk of extinction in the wild in the near future (indicative timeframe being the next 20 years).

Vulnerable

If, at that time, an ecological community is not critically endangered or endangered, but is facing a high risk of extinction in the wild in the medium-term future (indicative timeframe being the next 50 years).

APPENDIX 5

DBCA TEC/PEC Database Search

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_COUN T	FIRST_S_ID	LAST_S_ID	BUFFER	BDY_ID	ORIG_F ID
938	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	4	Anstey Plot02	anstey03	500	300	193
909	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	1	myFL07		500	302	195
243	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	2	FL02	myFL06	500	303	196
906	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	myFL04		500	304	197
907	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	myFL05		500	305	198
224	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	6	FL03	myFL03	500	307	200
939	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	4	Anstey Plot01	anstey06	500	577	445
1932	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	FORRESTDAL01		500	603	466
656	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	NICHOLSON02		500	1083	870
652	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	3	NICHOLSON01	gosn11	500	1084	871
780	Muchea Limestone	Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain	Endangered	Endangered	1	PASSMORE01		2000	1136	918
657	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	3	GOSN10	PM08	500	1222	981
2644	SCP24	Northern Spearwood shrublands and woodlands	Priority 3		1	MTB04		500	1379	1104
2650	SCP24	Northern Spearwood shrublands and woodlands	Priority 3		1	THOM02		500	1488	1198
5088	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	Tonkin01		500	2860	2420
5089	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	Tonkin02		500	2861	2421
5618	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst62		500	3300	2804
5620	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst64		500	3302	2805
5621	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst65		500	3303	2806
5622	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst66		500	3304	2807
5623	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst67		500	3305	2808
5624	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst68		500	3306	2809
5625	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst69		500	3307	2810
5626	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable	1	OzEst70		500	3308	2811
3780	Wooded waterbird wetlands	Wooded wetlands which support colonial waterbird nesting areas	Priority 2		1	Booragoon		2000	102648	2930
110804	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05086		200	107803	20000
110805	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05087		200	107804	20001
110806	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05088		200	107805	20002
110807	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05089		200	107806	20003
110808	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05090		200	107807	20004
110809	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05091		200	107808	20005
110812	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05094		200	107811	20008
110813	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05095		200	107812	20009
110814	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05096		200	107813	20010
110815	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05097		200	107814	20011
110816	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05098		200	107815	20012
110818	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05100		200	107817	20014
110822	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05104		200	107821	20018
110823	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05105		200	107822	20019
110824	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05106		200	107823	20020
110825	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05107		200	107824	20021
110826	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05108		200	107825	20022
110827	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05109		200	107826	20023
110830	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05112		200	107829	20025
110831	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05113		200	107830	20026
110832	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05114		200	107831	20027
110833	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05115		200	107832	20028
110841	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05123		200	107840	20036
110842	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05124		200	107841	20037
110846	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05128		200	107845	20041
110849	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05131		200	107848	20044
110851	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05133		200	107850	20046
110852	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05134		200	107851	20047
110853	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05135		200	107852	20048
110854	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05136		200	107853	20049
110855	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05137		200	107854	20050
110856	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05138		200	107855	20051
110857	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05139		200	107856	20052
110858	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05140		200	107857	20053
110864	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05146		200	107863	20059
110865	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05147		200	107864	20060
110866	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05148		200	107865	20061

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_COUNT	FIRST_S_ID	LAST_S_ID	BUFFER	BDY_ID	ORIG_FID
111716	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05998		200	108715	20911
111766	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06048		200	108765	20961
111880	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06162		200	108879	21075
112297	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06579		200	109296	21492
112554	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06836		200	109553	21749
116589	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld10871		200	113588	25780
116604	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld10886		200	113603	25795
121216	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15498		200	118215	30404
121219	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15501		200	118218	30407
121227	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15509		200	118226	30415
121233	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15515		200	118232	30421
121280	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15562		200	118279	30468
121400	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15682		200	118399	30588
121565	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15847		200	118564	30753
3157	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	FL05		500	0	422
3158	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	FL06		500	0	423
225	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	FL07		1000	0	424
124837	Claypans with shrubs over herbs	Claypans with mid dense shrublands of Melaleuca lateritia over herbs	Priority 1	Critically Endangered	1	Hunting01		200	0	445
3084	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	DEJONG01		500	0	824
3156	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	DEJONG02		500	0	825
3185	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS31		200	0	935
3186	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS32		200	0	936
3187	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS33		200	0	937
3188	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS34		200	0	938
3189	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS35		200	0	939
3190	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS36		200	0	940
3191	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS37		200	0	941
2967	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW1		200	0	949
2980	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW14		200	0	954
2981	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW15		900	0	955
2991	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW25		200	0	960
5314	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	1	ANSTEY PLOT02		500	0	1021
4998	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	jand03		500	0	1716
4999	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	jand05		500	0	1717

APPENDIX 6
Flora Species List

SPECIES LIST – Jandakot Road Planning Investigation Area

GYMNOSPERMS

CYCADACEAE

Macrozamia riedlei

MONOCOTYLEDONS

ANACARDIACEAE

Lyginia barbata

Lyginia imberbis

ARACEAE

**Zantedeschia aethiopica*

ASPARAGACEAE

Chamaescilla corymbosa

Laxmannia squarrosa

Lomandra caespitosa

Lomandra hermaphrodita

Thysanotus multiflorus

Thysanotus patersonii

Thysanotus triandrus

CENTROLEPIDACEAE

Centrolepis aristata

COLCHICACEAE

Burchardia congesta

CYPERACEAE

Lepidosperma leptostachyum

Lepidosperma longitudinale

Lepidosperma pubisquameum

Mesomelaena pseudostygia

Schoenus curvifolius

Schoenus latitans

Schoenus subfascicularis

DASYPOGONACEAE

Calectasia narragara

Dasypogon bromeliifolius

HAEMODORACEAE

Anigozanthos humilis subsp. *humilis*

Anigozanthos manglesii

Conostylis aculeata subsp. *aculeata*

Conostylis setigera subsp. *setigera*

Haemodorum spicatum

Phlebocarya ciliata

HEMEROCALLIDACEAE

Caesia micrantha

Corynotheca micrantha

IRIDACEAE

**Freesia alba* x *leichtlinii*

**Gladiolus caryophyllaceus*

Patersonia occidentalis

**Romulea rosea*

**Watsonia meriana* var. *bulbillifera*

ORCHIDACEAE

Caladenia arenicola

Caladenia discoidea

Caladenia flava

Diuris corymbosa

Diuris magnifica

Microtis media

Pterostylis recurva

Pterostylis vittata

Pyrorchis nigricans

Thelymitra crinita

POACEAE

**Aira caryophyllea*

Amphipogon turbinatus

**Avena fatua*

**Briza maxima*

**Briza minor*

**Ehrharta calycina*

**Ehrharta longiflora*

**Eragrostis curvula*

**Lagurus ovatus*

RESTIONACEAE

Desmocladus flexuosus

Hypolaena exsulca

XANTHORRHOEACEAE

Xanthorrhoea brunonis
Xanthorrhoea preissii

DICOTYLEDONS

AIZOACEAE

**Carpobrotus edulis*

APIACEAE

Platysace compressa
Trachymene pilosa

ASTERACEAE

**Arctotheca calendula*
Brachyscome iberidifolia
**Conyza bonariensis*
Hyalosperma cotula
**Hypochaeris glabra*
Millotia myosotidifolia
Podolepis gracilis
Podotheca angustifolia
Podotheca gnaphalioides
Senecio pinnatifolius
Siloxerus humifusus
**Sonchus oleraceus*
**Taraxacum officinale*
**Urospermum picroides*
**Ursinia anthemoides*
Quinetia urvillei

CAMPANULACEAE

**Wahlenbergia capensis*
Wahlenbergia preissii

CARYOPHYLLACEAE

**Cerastium glomeratum*
**Petrorrhagia dubia*

CASUARINACEAE

Allocasuarina fraseriana
Allocasuarina humilis

CRASSULACEAE

Crassula colorata

DILLENIACEAE

Hibbertia huegelii
Hibbertia hypericoides
Hibbertia racemosa
Hibbertia subvaginata

DROSERACEAE

Drosera erythrorhiza
Drosera menziesii

ELAEOCARPACEAE

Platytheca galioides

ERICACEAE

Conostephium pendulum
Conostephium preissii
Leucopogon polymorphus
Styphelia conostephioides
Styphelia xerophylla

EUPHORBIACEAE

**Euphorbia terracina*

FABACEAE

**Acacia iteaphylla*
**Acacia longiflora*
Acacia pulchella
Acacia stenoptera
Aotus procumbens
Bossiaea eriocarpa
Daviesia nudiflora
Daviesia triflora
Euchilopsis linearis
Gastrolobium capitatum
Gompholobium tomentosum
Hardenbergia comptoniana
Hovea pungens
Hovea trisperma var. *trisperma*
Jacksonia furcellata
Kennedia prostrata
Pultenaea reticulata
**Trifolium campestre*

FUMARIACEAE

**Fumaria capreolata*

GERANIACEAE

**Erodium moschatum*

**Pelargonium capitatum*

GOODENIACEAE

Dampiera linearis

Lechenaultia floribunda

HALORAGACEAE

Gonocarpus pithyoides

LAMIACEAE

Hemiandra pungens

LAURACEAE

Cassytha racemosa

LOGANIACEAE

Phyllangium paradoxum

LORANTHACEAE

Nuytsia floribunda

MYRTACEAE

Astartea affinis

Beaufortia squarrosa

Calytrix flavescens

Eremaea pauciflora

Eucalyptus marginata

Eucalyptus rudis

Eucalyptus todtiana

Hypocalymma angustifolium

Hypocalymma robustum

Kunzea glabrescens

Melaleuca preissiana

Melaleuca raphiophylla

Melaleuca seriata

Melaleuca thymoides

Pericalymma ellipticum

Regelia inops

Scholtzia involucrata

PHYLLANTHACEAE

Poranthera microphylla

PORTULACACEAE

Calandrinia corrigioloides

Calandrinia sp.

PRIMULACEAE

**Lysimachia arvensis*

PROTEACEAE

Adenanthos cygnorum

Banksia attenuata

Banksia grandis

Banksia ilicifolia

Banksia menziesii

Persoonia saccata

Petrophile linearis

Stirlingia latifolia

Synaphea spinulosa

RUBIACEAE

Opercularia vaginata

RUTACEAE

Boronia spathulata

Philothea spicata

SANTALACEAE

Leptomeria pauciflora

STYLIDIACEAE

Stylidium brunonianum

Stylidium piliferum

Stylidium repens

Stylidium schoenoides

THYMELEACEAE

Pimelea rosea

Pimelea suaveolens

Pimelea sulphurea

APPENDIX 7

Quadrat Data

QUADRAT JR 1

50 393372 E 6446748 N

Vegetation: *Melaleuca preissiana*/*Banksia menziesii* Low Open Woodland over
Beaufortia squarrosa/*Astartea affinis* Open Heath

Condition: Good

Soil Type: Brown-grey sand

Landform: Slight depression

Date: 24.9.20

Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Melaleuca preissiana</i>	4	10
<i>Banksia menziesii</i>	4	5
<i>Beaufortia squarrosa</i>	1.9	20
<i>Astartea affinis</i>	1.5	5
<i>Pultenaea reticulata</i>	1.5	2
* <i>Acacia longifolia</i>	1	1
<i>Xanthorrhoea brunonis</i>	0.9	5
* <i>Ehrharta calycina</i>	0.8	5
<i>Xanthorrhoea brunonis</i>	0.7	1
* <i>Avena fatua</i>	0.7	<1
* <i>Gladiolus caryophyllaceus</i>	0.6	<1
* <i>Ehrharta longiflora</i>	0.5	5
<i>Boronia spathulata</i>	0.5	4
<i>Gompholobium tomentosum</i>	0.5	1
* <i>Ursinia anthemoides</i>	0.4	2
<i>Gastrolobium capitatum</i>	0.4	1
<i>Schoenus subfascicularis</i>	0.4	1
<i>Conostephium pendulum</i>	0.4	<1

SPECIES	HEIGHT (m)	COVER (%)
<i>Platytheca galioides</i>	0.3	<1
<i>Lomandra caespitosa</i>	0.3	<1
* <i>Briza maxima</i>	0.2	2
<i>Lomandra hermaphrodita</i>	0.2	<1
<i>Hibbertia subvaginata</i>	0.2	<1
<i>Hyalosperma cotula</i>	0.1	1
<i>Caladenia flava</i>	0.1	<1
* <i>Lysimachia arvensis</i>	0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
<i>Stylidium repens</i>	<0.1	<1
<i>Siloxerus humifusus</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	5
<i>Chamaescilla corymbosa</i>	Flat	1
* <i>Fumaria capreolata</i>	Climber	5
<i>Thysanotus patersonii</i>	Climber	<1

* introduced species

QUADRAT JR 2

50 393423 E 6446927 N

Vegetation: *Banksia attenuata*/*B. menziesii* Low open Woodland over
Allocasuarina humilis/*Hibbertia hypericoides* Closed Heath

Condition: Excellent

Soil Type: Brown-grey sand

Landform: Upper slope of low dune

Date: 24.9.20

Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Banksia attenuata</i>	4	5
<i>Banksia menziesii</i>	3	5
<i>Allocasuarina humilis</i>	1-1.5	10
<i>Beaufortia squarrosa</i>	1	<1
<i>Gompholobium tomentosum</i>	0.7	1
* <i>Ehrharta calycina</i>	0.7	1
<i>Hibbertia hypericoides</i>	0.6	20
<i>Stirlingia latifolia</i>	0.6	5
* <i>Gladiolus caryophyllaceus</i>	0.6	1
<i>Eremaea pauciflora</i>	0.5	2
<i>Lyginia barbata</i>	0.5	1
<i>Hypocalymma robustum</i>	0.5	<1
<i>Daviesia triflora</i>	0.4	1
<i>Burchardia congesta</i>	0.4	<1
<i>Stylidium schoenoides</i>	0.4	<1
<i>Dasypogon bromeliifolius</i>	0.3	1
<i>Lechenaultia floribunda</i>	0.3	1

SPECIES	HEIGHT (m)	COVER (%)
<i>Styphelia conostephioides</i>	0.3	1
<i>Schoenus curvifolius</i>	0.3	<1
* <i>Briza maxima</i>	0.3	<1
* <i>Ursinia anthemoides</i>	0.3	<1
<i>Dampiera linearis</i>	0.3	<1
<i>Petrophile linearis</i>	0.3	<1
<i>Calytrix fraseri</i>	0.3	<1
<i>Bossiaea eriocarpa</i>	0.3	<1
<i>Amphipogon turbinatus</i>	0.2	2
<i>Hibbertia huegelii</i>	0.2	1
<i>Laxmannia squarrosa</i>	0.1	<1
<i>Podotrochea angustifolia</i>	0.1	<1
<i>Wahlenbergia preissii</i>	0.1	<1
<i>Caladenia flava</i>	0.1	<1
<i>Conostylis setigera</i>	0.1	<1
<i>Hyalosperma cotula</i>	0.1	<1
<i>Millotia myosotidifolia</i>	<0.1	<1
<i>Phyllangium paradoxum</i>	<0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1
<i>Drosera erythrorhiza</i>	Flat	<1
<i>Cassytha racemosa</i>	Climber	<1
<i>Drosera menziesii</i>	Climber	<1
<i>Thysanotus patersonii</i>	Climber	<1

* introduced species

QUADRAT JR 3

50 393509 E 6447059N

Vegetation: *Banksia attenuata*/*B. menziesii*/*Nuytsia floribunda* Low open
Woodland over *Allocasuarina humilis*/*Eremaea pauciflora* Open Low
Heath

Condition: Excellent

Soil Type: Light orange-grey sand

Landform: Gentle slope down to the east

Date: 24.9.20

Recorder: Paul van der Moezel



Quadrat (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Banksia attenuata</i>	2.5	5
<i>Nuytsia floribunda</i>	2	1
<i>Allocasuarina humilis</i>	1.5-1.8	20
* <i>Gladiolus caryophyllaceus</i>	0.7	<1
* <i>Ehrharta longiflora</i>	0.7	<1
<i>Philotheca spicata</i>	0.6	1
<i>Eremaea pauciflora</i>	0.5	25
<i>Stirlingia latifolia</i>	0.5	1
<i>Melaleuca seriata</i>	0.5	1
<i>Acacia pulchella</i>	0.5	<1
<i>Lyginia barbata</i>	0.4	5
<i>Daviesia triflora</i>	0.4	2
<i>Amphipogon turbinatus</i>	0.4	2
<i>Hibbertia hypericoides</i>	0.4	1
<i>Gompholobium tomentosum</i>	0.4	1
<i>Burchardia congesta</i>	0.4	<1

<i>Hovea trisperma</i>	0.4	<1
<i>Calytrix flavescens</i>	0.4	<1
<i>Stylidium schoenoides</i>	0.4	<1
<i>Synaphea spinulosa</i>	0.4	<1
<i>Gastrolobium capitatum</i>	0.4	<1
* <i>Briza maxima</i>	0.4	<1
<i>Styphelia conostephioides</i>	0.3	2
<i>Patersonia occidentalis</i>	0.3	1
* <i>Ursinia anthemoides</i>	0.3	1
<i>Dasyogon bromeliifolius</i>	0.3	1
<i>Acacia stenoptera</i>	0.3	<1
<i>Hibbertia racemosa</i>	0.3	<1
<i>Hibbertia huegelii</i>	0.3	<1
<i>Conostephium pendulum</i>	0.3	<1
<i>Dampiera linearis</i>	0.3	<1
* <i>Wahlenbergia capensis</i>	0.3	<1
<i>Trachymene pilosa</i>	0.1	1
<i>Calandrinia sp</i>	0.1	<1
<i>Desmocladius flexuosus</i>	0.1	<1
<i>Hyalosperma cotula</i>	0.1	<1
<i>Anigozanthos humilis</i>	0.1	<1
<i>Caladenia flava</i>	0.1	<1
<i>Laxmannia squarrosa</i>	0.1	<1
<i>Conostylis setigera</i>	0.1	<1
* <i>Aira caryophyllea</i>	0.1	<1
<i>Crassula colorata</i>	<0.1	<1
<i>Centrolepis aristata</i>	<0.1	<1
<i>Quinetia urvillei</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1
<i>Thysanotus patersonii</i>	Climber	<1

* introduced species

QUADRAT JR 4

50 393652 E 6447176 N

Vegetation: *Melaleuca preissiana* Low Open Woodland over *Hypocalymma angustifolium*/*Astartea affinis* Closed Heath
Condition: Very Good
Soil Type: Dark grey sand
Landform: Flat, bottom of gentle slope
Date: 24.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Melaleuca preissiana</i>	1.9	1
<i>Astartea affinis</i>	1.5	25
<i>Hypocalymma angustifolium</i>	1	25
<i>Pericalymma ellipticum</i>	0.8	5
* <i>Gladiolus caryophyllaceus</i>	0.6	<1
<i>Lyginia barbata</i>	0.4	2
<i>Boronia spathulata</i>	0.4	<1
<i>Dasypogon bromeliifolius</i>	0.3	4
<i>Trachymene pilosa</i>	0.1	2
* <i>Carpobrotus edulis</i>	0.1	<1
<i>Crassula colorata</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1

* introduced species

QUADRAT JR 5

50 393804 E 6447096 N

Vegetation: *Allocasuarina fraseriana*/*Melaleuca preissiana* Low Open Woodland over *Xanthorrhoea preissii*/*Dasypogon bromeliifolius*/*Phlebocarya ciliata* Open Low Heath

Condition: Very Good

Soil Type: Dark grey sand

Landform: Flat

Date: 24.9.20

Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Allocasuarina fraseriana</i>	7	10
<i>Banksia ilicifolia</i>	5	5
<i>Nuytsia floribunda</i>	4	5
<i>Melaleuca preissiana</i>	4	2
<i>Melaleuca thymoides</i>	1.8	2
* <i>Ehrharta calycina</i>	1	2
<i>Xanthorrhoea preissii</i>	0.6	20
* <i>Ehrharta longiflora</i>	0.6	2
<i>Bossiaea eriocarpa</i>	0.5	1
* <i>Gladiolus caryophyllaceus</i>	0.5	<1
<i>Hibbertia subvaginata</i>	0.4	2
<i>Schoenus subfascicularis</i>	0.4	1
<i>Scholtzia involucrata</i>	0.4	1
<i>Burchardia congesta</i>	0.4	<1
<i>Jacksonia furcellata</i>	0.4	<1
* <i>Ursinia anthemoides</i>	0.4	<1
<i>Dasypogon bromeliifolius</i>	0.3	10

SPECIES	HEIGHT (m)	COVER (%)
<i>*Briza maxima</i>	0.3	1
<i>Gonocarpus pithyoides</i>	0.3	<1
<i>Gompholobium tomentosum</i>	0.3	<1
<i>Conostephium pendulum</i>	0.3	<1
<i>Trachymene pilosa</i>	0.1	1
<i>Hyalosperma cotula</i>	0.1	<1
<i>*Lysimachia arvensis</i>	0.1	<1
<i>*Sonchus oleraceus</i>	0.1	<1
<i>Calandrinia sp</i>	<0.1	<1
<i>*Hypochaeris glabra</i>	Flat	1
<i>*Taraxacum officinale</i>	Flat	<1

* introduced species

QUADRAT JR 6

50 394841 E 6446668 N

Vegetation: *Melaleuca preissiana* Low Open Woodland over *Kunzea glabrescens*/*Adenanthos cygnorum* Tall Shrubland over weeds
Condition: Degraded
Soil Type: Black sand
Landform: Flat
Date: 24.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Melaleuca preissiana</i>	4	20
<i>Banksia ilicifolia</i>	3.5	2
<i>Kunzea glabrescens</i>	3	10
* <i>Acacia longifolia</i>	3	1
<i>Adenanthos cygnorum</i>	1.9	5
<i>Astartea affinis</i>	1.8	2
* <i>Ehrharta calycina</i>	0.6	5
<i>Hypocalymma angustifolium</i>	0.5	1
* <i>Ehrharta longiflora</i>	0.4	5
* <i>Briza maxima</i>	0.3	<1
<i>Lechenaultia floribunda</i>	0.2	1
* <i>Carpobrotus edulis</i>	0.1	10
* <i>Arctotheca calendula</i>	0.1	2
* <i>Ursinia anthemoides</i>	0.1	1
<i>Crassula colorata</i>	<0.1	<1
* <i>Hypochoeris glabra</i>	Flat	1

* introduced species

QUADRAT JR 7

50 394941 E 6446681 N

Vegetation: *Kunzea glabrescens* Tall Open Scrub over weeds
Condition: Degraded
Soil Type: Dark grey sand
Landform: Flat
Date: 25.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Kunzea glabrescens</i>	4	40
<i>Eucalyptus todtiana</i>	3	2
<i>Jacksonia furcellata</i>	1	1
* <i>Gladiolus caryophyllaceus</i>	0.6	<1
* <i>Ehrharta calycina</i>	0.5	2
<i>Phlebocarya ciliata</i>	0.3	<1
* <i>Briza maxima</i>	0.1	5
* <i>Carpobrotus edulis</i>	0.1	1
* <i>Ursinia anthemoides</i>	0.1	<1
* <i>Hypochaeris glabra</i>	Flat	5

* introduced species

QUADRAT JR 8

50 394619 E 6446346 N

Vegetation: *Eucalyptus todtiana/Banksia menziesii/B. attenuata/Nuytsia floribunda* Low Open Woodland over *Desmocladus flexuosus* and weeds
Condition: Degraded
Soil Type: Dark grey sand
Landform: Gentle slope down to the north
Date: 25.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Eucalyptus todtiana</i>	4	5
<i>Banksia menziesii</i>	4	5
<i>Nuytsia floribunda</i>	4	5
<i>Kunzea glabrescens</i>	4	2
<i>Banksia attenuata</i>	3	2
* <i>Ehrharta calycina</i>	1	50
<i>Gompholobium tomentosum</i>	0.6	1
* <i>Gladiolus caryophyllaceus</i>	0.6	1
<i>Styphelia conostephioides</i>	0.5	<1
* <i>Ursinia anthemoides</i>	0.4	2
<i>Burchardia congesta</i>	0.4	<1
<i>Bossiaea eriocarpa</i>	0.4	<1
<i>Desmocladus flexuosus</i>	0.3	10
<i>Conostylis aculeata</i>	0.3	4
<i>Phlebocarya ciliata</i>	0.3	<1
<i>Lomandra hermaphrodita</i>	0.3	<1
* <i>Briza maxima</i>	0.2	5

SPECIES	HEIGHT (m)	COVER (%)
<i>Scholtzia involucrata</i>	0.2	1
<i>Caladenia flava</i>	0.2	<1
<i>Trachymene pilosa</i>	0.1	1
* <i>Wahlenbergia capensis</i>	0.1	<1
* <i>Lysimachia arvensis</i>	0.1	<1
<i>Isolepis marginata</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1
* <i>Taraxacum officinale</i>	Flat	<1
<i>Thysanotus patersonii</i>	Climber	<1

* introduced species

QUADRAT JR 9

50 394557 E 6446343 N

Vegetation: *Melaleuca preissiana* Low Open Woodland over *Hypocalymma angustifolium* Low Open Shrubland over weeds
Condition: Degraded
Soil Type: Dark grey sand
Landform: Flat
Date: 25.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Melaleuca preissiana</i>	4	20
<i>Hypocalymma angustifolium</i>	1	10
* <i>Ehrharta calycina</i>	0.7	40
* <i>Gladiolus caryophyllaceus</i>	0.6	<1
* <i>Watsonia meriana</i> var. <i>bulbillifera</i>	0.5	<1
<i>Dasypogon bromeliifolius</i>	0.4	1
<i>Scholtzia involucrata</i>	0.4	1
* <i>Ursinia anthemoides</i>	0.3	5
* <i>Briza maxima</i>	0.3	5
* <i>Ehrharta longiflora</i>	0.3	1
<i>Crassula colorata</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	10

* introduced species

QUADRAT JR 10

50 394217 E 6446915 N

Vegetation: *Banksia attenuata*/*Eucalyptus todtiana* Low Open Woodland over
Allocasuarina humilis/*Eremaea pauciflora* Open Low Heath

Condition: Excellent

Soil Type: Brown-grey sand

Landform: Flat

Date: 25.9.20

Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Banksia attenuata</i>	4	10
<i>Eucalyptus todtiana</i>	4	5
<i>Allocasuarina humilis</i>	1	20
* <i>Ehrharta calycina</i>	1	1
<i>Eremaea pauciflora</i>	0.7	15
<i>Philothea spicata</i>	0.7	<1
<i>Stirlingia latifolia</i>	0.5	<1
<i>Lechenaultia floribunda</i>	0.4	4
<i>Gompholobium tomentosum</i>	0.4	2
<i>Lyginia barbata</i>	0.4	2
<i>Patersonia occidentalis</i>	0.4	1
<i>Dasyogon bromeliifolius</i>	0.4	1
* <i>Gladiolus caryophyllaceus</i>	0.4	<1
<i>Burchardia congesta</i>	0.4	<1
<i>Conostylis aculeata</i>	0.3	5
* <i>Ursinia anthemoides</i>	0.3	2
* <i>Briza maxima</i>	0.3	1
<i>Amphipogon turbinatus</i>	0.3	1

SPECIES	HEIGHT (m)	COVER (%)
<i>Scholtzia involucrata</i>	0.3	1
<i>Microtis media</i>	0.3	<1
<i>Calytrix flavescens</i>	0.3	<1
<i>Petrophile linearis</i>	0.3	<1
<i>Lomandra caespitosa</i>	0.3	<1
* <i>Urospermum picroides</i>	0.3	<1
<i>Caladenia flava</i>	0.2	<1
<i>Conostylis setigera</i>	0.2	<1
<i>Trachymene pilosa</i>	0.1	2
<i>Desmocladius flexuosus</i>	0.1	<1
<i>Dampiera linearis</i>	0.1	<1
<i>Crassula colorata</i>	<0.1	<1
<i>Isolepis marginata</i>	<0.1	<1
<i>Drosera erythrorhiza</i>	Flat	<1
* <i>Hypochaeris glabra</i>	Flat	<1
<i>Thysanotus patersonii</i>	Climber	<1
<i>Cassytha racemosa</i>	Climber	<1

* introduced species

QUADRAT JR 11

50 393816 E 6446666 N

Vegetation: *Eucalyptus rudis* Low Woodland over *Astartea affinis* Open Shrubland over weeds
Condition: Good
Soil Type: Brown sand
Landform: Flat, bottom of dune
Date: 25.9.20
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Eucalyptus rudis</i>	6	20
<i>Astartea affinis</i>	1.5	2
* <i>Eragrostis curvula</i>	0.8	20
* <i>Ehrharta calycina</i>	0.8	5
<i>Lepidosperma longitudinale</i>	0.8	1
<i>Acacia pulchella</i>	0.6	1
* <i>Briza maxima</i>	0.3	10
* <i>Lysimachia arvensis</i>	0.1	1
* <i>Briza minor</i>	0.1	1
* <i>Romulea rosea</i>	0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	20
<i>Cassytha racemosa</i>	Climber	<1

* introduced species