

LOT 5 KING ROAD, OLDBURY

DETAILED FLORA AND VEGETATION SURVEY

Prepared for: The A. Poli Superannuation Fund and ARD No. 4

Report Date: 20 January 2022

Version: 2

Report No. 2021-637

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

PGV
ENVIRONMENTAL

CONTENTS

Contents	i
List of Attachments	iii
1 INTRODUCTION	1
1.1 Background.....	1
1.2 Scope of Works.....	1
2 EXISTING ENVIRONMENT	2
2.1 Land Use	2
2.2 Topography	3
2.3 Geology and Soils	3
2.3.1 Geology.....	3
2.3.2 Soils.....	3
2.4 Hydrology	4
3 METHODOLOGY.....	5
3.1 Database Searches	5
3.2 Site Survey	5
3.3 Survey Conditions.....	6
4 RESULTS.....	7
4.1 Flora Database Searches	7
4.2 TEC and PEC Database Searches	13
4.3 Flora.....	14
4.4 Vegetation	15
4.4.1 Vegetation Complex	15
4.4.2 Vegetation Type	15
4.4.3 Floristic Community Type.....	18
4.4.4 Vegetation Condition	18
4.5 Conservation Significance of Flora and Vegetation	19
4.5.1 Flora.....	19
4.5.2 Vegetation	19
4.5.2.1 Vegetation Complex	19
4.5.2.2 Threatened and Priority Ecological Communities	19
4.5.2.3 Banksia Woodland Regional Context	22
4.5.2.4 Banksia Woodland Significance of Impact	22

5 SUMMARY AND CONCLUSIONS.....25

6 REFERENCES26

LIST OF ATTACHMENTS

Tables

Table 1:	Statement of Botanical Survey Conditions
Table 2:	Conservation Significant Flora identified in Database Searches
Table 3:	Likelihood of Identified Significant Flora Species Occurring on the Site
Table 4:	Threatened and Priority Ecological Communities likely to occur within 5km of the Site
Table 5:	Vegetation Types on the Site
Table 6:	Vegetation Condition Rating Scale
Table 7:	Assessment of the Banksia Woodland of the Swan Coastal Plain TEC
Table 8:	Banksia Woodland TEC in Surrounding Reserves

Plates

Plate 1:	Aerial Photograph 1953 (Landgate, 2021)
Plate 2:	Aerial Photograph 1974 (Landgate, 2021)
Plate 3:	Aerial Photograph 1985 (Landgate, 2021)
Plate 4:	Aerial Photograph 2008 (Landgate, 2021)
Plate 5:	Multiple Use Wetland Mapped on the Site
Plate 6:	Track Log
Plate 7:	Scattered Paperbark shrubs on the western cleared half of the site.
Plate 8:	Good condition BaBmKg vegetation type with abundant Veldtgrass.

Figures

Figure 1:	Site Location
Figure 2:	Site Boundary and Topography
Figure 3:	Vegetation Types
Figure 4:	Vegetation Condition
Figure 5:	Banksia Woodland TEC

Appendices

- Appendix 1: DBCA Flora Database Searches
- Appendix 2: Naturemap Report
- Appendix 3: Protected Matters Search Tool Report
- Appendix 4: Conservation Codes
- Appendix 5: TEC/PEC Database Search
- Appendix 6: Flora Species List
- Appendix 7: Quadrat Data

1 INTRODUCTION

1.1 Background

Lot 5 King Road, Oldbury is located in the Shire of Serpentine-Jarrahdale approximately 33km south-south-east of the Perth Central Business District (Figure 1). The site is 14.26ha in size and is bounded by King Road and rural land to the west and rural land to the north, south and east (Figure 2).

The western half of the lot has previously been cleared and native vegetation remains on the eastern half. Approximately 7ha of native vegetation remains on the site.

The landowners, A. Poli Superannuation Fund and ARD No. 4, propose to quarry sand from the eastern part of the lot. PGV Environmental was commissioned by the landowners to undertake a flora and vegetation survey to assist in the assessment of environmental applications to clear the vegetation prior to sand mining.

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 and ecological community 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 earliest available historic aerial photograph on-line from 1953 shows that the western half of the site has been cleared while native vegetation remains in the eastern half (Plate 1) (Landgate, 2021).

Plate 1: Aerial Photograph 1953 (Landgate, 2021)



The aerial photograph from 1974 shows that most of the site apart from a strip along the northern boundary has been extensively cleared (Plate 2) (Landgate, 2021).

Plate 2: Aerial Photograph 1974 (Landgate, 2021)



The aerial photograph from 1985 shows the vegetation in the eastern end has regrown from the past clearing and sand mining has started on the lot to the south (Plate 3).

Plate 3: Aerial Photograph 1985 (Landgate, 2021)



Sand mining to the south continued progressively over the next few years and the limit of the mining operation was reached in 2008 (Plate 4). The footprint of the mining operations extended into Lot 5.

Plate 4: Aerial Photograph 2008 (Landgate, 2021)



The site is zoned 'Rural' under the Metropolitan Region Scheme (MRS) and the Shire of Serpentine-Jarrahdale Local Planning Scheme No. 2 (WAPC, 1989).

The site does not contain any buildings or structures and is not used for grazing.

2.2 Topography

The site is flat at the western end at around 22m Australian Height Datum (AHD) and slopes up to the east to a maximum of around 28m AHD (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) mapped on it which are extremely low to very low relief dunes, undulating sandplain and discrete sand rises with deep bleached grey sands sometimes with a pale yellow B horizon or a weak iron-organic hardpan at depths generally greater than 2 m (DPIRD, 2021). These soils occur in the eastern part of the site; and
- Bassendean B6 Phase (212Bs_B6) which is described as sandplain and broad extremely low rises with imperfectly drained deep or very deep grey siliceous sands (DPIRD, 2021). These soils occur on the western part of the site.

2.4 Hydrology

Groundwater is at approximately 19 to 20m AHD and is 1 to 9m below the surface level, and generally flows to the south-east (DWER, 2021).

The western part of the site contains a small area of a large Multiple Use Wetland (Unique Feature Identifier 14704) that extends for 277ha over a wide area to the west and north-west of the site. The MU wetland is shown on Plate 5 as the blue area. The wetland is classified as Dampland although the extent of the wetland indicates to PGV Environmental that it should more accurately be classified as a Palusplain wetland.

Plate 5: Multiple Use Wetland Mapped on the Site



3 METHODOLOGY

3.1 Database Searches

Searches of the following databases were undertaken prior to the site survey:

- Department of Biodiversity, Conservation and Attractions (DBCA) Threatened and Priority Flora database and Threatened Ecological Communities database (Appendix 1) with a buffer radius of 10km;
- DBCA Naturemap Database (DBCA, 2021) (Appendix 2) with a buffer radius of 10km; 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, 2021). A radius of 5km was used for this database (Appendix 3).

3.2 Site Survey

A site reconnaissance survey was conducted by Dr Paul van der Moezel from PGV Environmental on 3 March 2021. The survey included walking through the site to record vegetation types and vegetation condition. A provisional species list was also recorded.

A Detailed flora and vegetation survey of the site was conducted by Dr Paul van der Moezel of PGV Environmental on 7 October 2021.

The eastern well-vegetated part of the site was thoroughly walked on north-south transects spaced about 20m apart. The small amount of native vegetation in the western part was waled close to the northern boundary. Track log is shown in Plate 6. All plant species were recorded and information on flora composition and vegetation structure was recorded in five 10m x 10m non-permanent quadrats in representative vegetation types.

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.

Plate 6: Track Log



3.3 Survey Conditions

The conditions that the survey was undertaken in are presented in Table 1 in order to assess the adequacy of the survey. In summary, there were no significant constraints to the survey.

Rainfall for Oldbury was above average for July in 2021 being 315mm and below average in August being 79.8mm compared to average values of 174.7mm and 127.3mm (BOM, 2021). The rainfall in September was 47.2mm compared to an average of 83.3mm (BOM, 2021). The above average rainfall in July is likely to have compensated for the low rainfall in August and September and is not considered to be a constraint on the survey.

Table 1: 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 on the Swan Coastal Plain, including the Oldbury area.
Proportion of the flora identified^	No	The timing of the survey in early October 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 Oldbury area 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. 2021 was a good year for ephemeral species.
Disturbances (Fire)	No	The fire age was more than 5 years and does not appear to have been burnt for at least 40 years.
Intensity of survey (e.g. In retrospect was the intensity adequate)	No	The time spent on the site and relative 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 and Priority 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 2. None of the species has been recorded from the survey area.

Table 2: Conservation Significant Flora Identified in Database Searches

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Caladenia huegelii</i>	King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid	Schedule 1	Endangered
<i>Calectasia cyanea</i>	Blue Tinsel Lily	Schedule 1	Critically Endangered
<i>Drakaea elastica</i>	Glossy-leafed Hammer Orchid	Schedule 1	Endangered
<i>Eucalyptus x balanites</i>	Cadda Road Mallee	Schedule 1	Endangered
<i>Synaphea</i> sp. Fairbridge Farm (D Papenfus 696)	Selena's <i>Synaphea</i>	Schedule 1	Critically Endangered
<i>Synaphea</i> sp. Serpentine (G.R Brand 103)		Schedule 1	Critically Endangered
<i>Diuris purdiei</i>	Purdie's Donkey-orchid	Schedule 2	Endangered
<i>Drakaea micrantha</i>	Dwarf Hammer-orchid	Schedule 2	Vulnerable
<i>Grevillea curviloba</i> subsp. <i>incurva</i>	Narrow curved-leaf <i>Grevillea</i>	Schedule 2	Endangered
<i>Lepidosperma rostratum</i>	Beaked <i>Lepidosperma</i>	Schedule 2	Endangered
<i>Synaphea</i> sp. Pinjarra Plain (A.S George 17182)		Schedule 2	Endangered
<i>Thelymitra stellata</i>	Star Sun-orchid	Schedule 2	Endangered
<i>Andersonia gracilis</i>	Slender <i>Andersonia</i>	Schedule 3	Endangered
<i>Diuris micrantha</i>	Dwarf Bee-orchid	Schedule 3	Vulnerable
<i>Tetraria australiensis</i>	Southern <i>Tetraria</i>	Schedule 3	Vulnerable
<i>Acacia lasiocarpa</i> var. <i>bracteolata</i> long peduncle variant (G.J. Keighery 5026)		Priority 1	
<i>Boronia juncea</i> subsp. <i>juncea</i>		Priority 1	
<i>Amanita wadulawitu</i>	Long-spored <i>Lepidella</i>	Priority 2	

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Calectasia grandiflora</i>	Blue Tinsel Lily	Priority 2	
<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		Priority 2	
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Priority 2	
<i>Poranthera moorokatta</i>		Priority 2	
<i>Tetraria</i> sp. Chandala (G.J. Keighery 17055)		Priority 2	
<i>Amanita fibrillopes</i>	Peach Amanita	Priority 3	
<i>Amanita preissii</i>	Cinnamon-ring Lepidella	Priority 3	
<i>Amanita wadjukiorum</i>	Wadjuk Lepidella	Priority 3	
<i>Angianthus drummondii</i>		Priority 3	
<i>Babingtonia urbana</i>	Coastal Plain Babingtonia	Priority 3	
<i>Cyathochaeta teretifolia</i>		Priority 3	
<i>Dillwynia dillwynioides</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>Pithocarpa corymbulosa</i>		Priority 3	
<i>Schoenus capillifolius</i>		Priority 3	
<i>Schoenus pennisetis</i>		Priority 3	
<i>Schoenus</i> sp. Waroona (G.J. Keighery 12235)		Priority 3	
<i>Stylidium aceratum</i>		Priority 3	
<i>Stylidium paludicola</i>		Priority 3	
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons	Priority 4	
<i>Dodoniaea hackettiana</i>	Hackett's Hopbush	Priority 4	
<i>Drosera occidentalis</i>	Western Sundew	Priority 4	
<i>Stylidium ireneae</i>		Priority 4	
<i>Stylidium longitubum</i>	Jumping Jacks	Priority 4	
<i>Stylidium striatum</i>	Fan-leaved Triggerplant	Priority 4	
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		Priority 4	

Definitions of the Conservation Codes are in Appendix 5.

Based on the soil types and vegetation type and conditions observed during the survey the likelihood of conservation significant species identified in the database searches occurring on the site has been examined (Table 3). In summary, one Threatened species and three Priority species have potential to occur in the well-vegetated eastern dry sandy soil part of the site. The Threatened species is the Grand Spider Orchid (*Caladenia huegelii*) which flowers from mid-September to mid-October.

Table 3: Likelihood of Identified Significant Flora Species Occurring on the Site

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
Critically Endangered			
<i>Caladenia huegelii</i>	King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid	The Grand Spider-orchid prefers deep grey-white sand usually associated with the Bassendean sand-dune system, however, rare plants have been known to extend into the Spearwood system (in which calcareous yellow sands dominate) in some areas (DEC, 2009a). This species generally does not survive in disturbed areas.	Possible on eastern well vegetated sandy area
<i>Calectasia cyanea</i>	Blue Tinsel Lily	The Blue Tinsel Lily prefers white, grey or yellow sand or gravel. This species is restricted to Torndirrup National Park and Albany region of the South-West Botanical Province (Barrett and Dixon, 2001).	No – this record was prior to the species being defined by its location
<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 (DEC, 2009b).	Highly Unlikely as no intact vegetation on winter-wet swamps occur
<i>Eucalyptus x balanites</i>	Cadda Road Mallee	The Cadda Road Mallee prefers sandy soils with lateritic gravel.	Highly Unlikely – not lateritic habitat
<i>Synaphea</i> sp. Fairbridge Farm (D Papenfus 696)	Selena's Synaphea	Selena's Synaphea occurs in sandy soils with lateritic pebbles near winter-wet flats, in low woodland with weedy grasses.	Highly Unlikely – not lateritic habitat
<i>Synaphea</i> sp. Serpentine (G.R Brand 103)		<i>Synaphea</i> sp. Serpentine occurs in greybrown sandy loams or clay in seasonally wet areas (DPaW, 2017).	Highly Unlikely – not suitable habitat
Endangered			
<i>Diuris purdiei</i>	Purdie's Donkey-orchid	Purdie's Donkey Orchid occurs in grey-black sand in moist winter-wet swamps.	Highly Unlikely – not suitable habitat
<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.	Highly Unlikely – not suitable habitat
<i>Grevillea curviloba</i> subsp. <i>incurva</i>	Narrow curved-leaf Grevillea	Narrow curved-leaf Grevillea prefers sand, sandy loam in winter-wet heath.	Highly Unlikely – not peaty or clay habitat
<i>Lepidosperma rostratum</i>	Beaked Lepidosperma	Beaked Lepidosperma is found in peaty sand, clay.	Highly Unlikely – not suitable habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Synaphea</i> sp. Pinjarra Plain (A.S George 17182)		<i>Synaphea</i> sp. Pinjarra Plain occurs in grey sandy loam or clay, grey-brown clayey sand, brown clayey loam, laterite on flats, seasonally wet areas, railroad reserves often with wet depressions or drains.	Highly Unlikely due to absence of appropriate soil types and intact vegetation on wet areas
<i>Thelymitra stellata</i>	Star Sun-orchid	The Star Sun-orchid prefers sand, gravel or lateritic loam.	No – not suitable habitat
Vulnerable			
<i>Andersonia gracilis</i>	Slender Andersonia	Slender Andersonia occurs in white/grey sand, sandy clay, gravelly loam in winter-wet areas, near swamps.	Highly Unlikely due to absence of intact vegetation in winter-wet areas
<i>Diuris micrantha</i>	Dwarf Bee-orchid	The Dwarf Bee-orchid is usually found on brown loamy clay in winter-wet swamps, in shallow water.	No – not suitable habitat
<i>Tetraria australiensis</i>	Southern Tetraria	Southern Tetraria occurs in grey sand over clay; also described as yellow and sandy or clayey lateritic soils favouring winter-wet swampy depressions, drainage lines or rises surrounding swamps.	Highly Unlikely – not suitable habitat
Priority 1 Species			
<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.	Highly Unlikely – not clayey habitat
<i>Boronia juncea</i> subsp. <i>juncea</i>		<i>Boronia juncea</i> subsp. <i>juncea</i> occurs in sand in low scrub	Highly Unlikely – upland too degraded
Priority 2 Species			
<i>Amanita wadulawitu</i>	Long-spored Lepidella	Long-spored Lepidella occurs in sandy soil with <i>Corymbia calophylla</i> , <i>Eucalyptus marginata</i> , <i>E. todtiana</i> , <i>E. camaldulensis</i> , <i>Jacksonia furcellata</i> , <i>Banksia attenuata</i> and <i>B. menziesii</i> . (McGurk et al., 2016).	Possible
<i>Calectasia grandiflora</i>	Blue Tinsel Lily	Blue Tinsel Lily occurs in white, grey or yellow sand, sandy clay, gravel, laterite and granite in swampy areas, rock outcrops, flats, slopes and ridges.	Highly Unlikely – not calcareous soils
<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i> occurs on grey-white-yellow sand on flats on seasonally-wet sites	Unlikely – to degraded uplands

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Beautiful Stylewort grows in sand.	Highly Unlikely – not suitable habitat
<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>Tetraria</i> sp. Chandala (G.J. Keighery 17055)		<i>Tetraria</i> sp. Chandala is recorded from a mound spring in peaty sand (Western Australian Herbarium, 2005).	No – no mound spring on the site
Priority 3 Species			
<i>Amanita fibrilloses</i>	Peach Amanita	Peach Amanita is recorded from sandy or gravelly soil in dry sclerophyll forest and Banksia woodland, or in humus rich soil in seasonally wet eucalypt and paperbark woodland, often associated with <i>Eucalyptus marginata</i> , <i>E. jacksonii</i> , <i>Allocasuarina fraseriana</i> , <i>Corymbia calophylla</i> , <i>Melaleuca preissiana</i> and <i>Agonis</i> sp. (Davison <i>et al.</i> , 2013).	Unlikely – not suitable habitat
<i>Amanita preissii</i>	Cinnamon-ring Lepidella	Cinnamon-ring Lepidella is found under shrubs and Eucalyptus in West Australia (Amanitaceae Org, 2015) in sandy soil and lateritic gravel, associated with <i>Allocasuarina fraseriana</i> , <i>Acacia pulchella</i> , <i>Corymbia calophylla</i> , <i>Callitris</i> sp., <i>Eucalyptus gomphocephala</i> , <i>E. marginata</i> , <i>Macrozamia fraseri</i> and <i>Pinus pinaster</i> (Davidson <i>et al.</i> , 2017).	Highly Unlikely – not suitable habitat
<i>Amanita wadjukiorum</i>	Wadjuk Lepidella	Wadjuk Lepidella is solitary to gregarious, in sandy soil in degraded native vegetation with <i>Allocasuarina fraseriana</i> , <i>Corymbia calophylla</i> , <i>C. citriodora</i> and <i>Brachychiton</i> sp (Davidson <i>et al.</i> , 2013).	Highly Unlikely – not suitable habitat
<i>Angianthus drummondii</i>		<i>Angianthus drummondii</i> grows in grey or brown clay soils, ironstone on seasonally wet flats.	Highly Unlikely – not suitable habitat
<i>Babingtonia urbana</i>	Coastal Plain Babingtonia	Coastal Plain Babingtonia occurs in orange sand, brown loam, white sandy clay on low flats, winter-wet swamps	Highly Unlikely – not suitable habitat
<i>Cyathochaeta teretifolia</i>		<i>Cyathochaeta teretifolia</i> occurs in grey sand, sandy clay on swamps, creek edges.	Highly Unlikely – not clay soils

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Dillwynia dillwynioides</i>		<i>Dillwynia dillwynioides</i> occurs in sandy soils in winter-wet depressions.	Unlikely – no intact vegetation in winter wet areas
<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)	Unlikely – no intact vegetation in winter wet areas
<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 on seasonally wet poorly drained flats or granite flats in shallow soils.	Highly Unlikely – the soils are not peaty
<i>Pithocarpa corymbulosa</i>		<i>Pithocarpa corymbulosa</i> occurs in gravelly or sandy loam amongst granite outcrops.	Unlikely – not swamp habitat
<i>Schoenus capillifolius</i>		<i>Schoenus capillifolius</i> grows in brown mud on claypans.	Highly Unlikely – no intact vegetation on claypans
<i>Schoenus pennisetis</i>		<i>Schoenus pennisetis</i> occurs in grey or peaty sand, sandy clay in swamps, winter-wet depressions.	Highly Unlikely – no intact vegetation in winter wet depressions
<i>Schoenus</i> sp. Waroona (G.J. Keighery 12235)		<i>Schoenus</i> sp. Waroona occurs in clay or sandy clay on winter-wet flats.	Unlikely – no intact vegetation in winter wet depressions
<i>Stylidium aceratum</i>		<i>Stylidium aceratum</i> occurs in sandy soils in swamp heathland.	Unlikely – not suitable habitat
<i>Stylidium paludicola</i>		<i>Stylidium paludicola</i> prefers peaty sand over clay in winter wet habitats in Marri and Melaleuca woodland, Melaleuca shrubland.	Highly Unlikely – no intact vegetation in winter wet depressions
Priority 4 Species			
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons	Stalked Water Ribbons grow in freshwater: ponds, rivers, claypans	No – no intact vegetation in winter wet depressions
<i>Dodoniae hackettiana</i>	Hackett's Hopbush	Hackett's Hopbush occurs in sand with outcropping limestone.	No – no outcropping limestone

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Drosera occidentalis</i>	Western Sundew	The Western Sundew occurs in sandy and clayey soils in swamps and wet depressions.	Highly Unlikely – not suitable habitat
<i>Stylidium ireneae</i>		<i>Stylidium ireneae</i> occurs in sandy loam in valleys near creek lines, woodland, often with <i>Agonis</i> .	Highly Unlikely – not suitable habitat
<i>Stylidium longitubum</i>	Jumping Jacks	Jumping Jacks prefer sandy clay, clay in seasonal wetlands.	Highly Unlikely – not suitable habitat
<i>Stylidium striatum</i>	Fan-leaved Triggerplant	The Fan-leaved Triggerplant grows in brown clay loam over laterite on hillslopes in Jarrah/Marri forest, Wandoo woodland.	Unlikely – not lateritic habitat
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i> prefers sand, sandy clay in winter-wet depressions.	Highly Unlikely – not suitable habitat

* 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 Database Searches

A search of DBCA's Threatened (TEC) and Priority Ecological Communities (PEC) database was conducted within a radius of 5km around the site (15-0321EC) (Appendix 5). Ten TECs and seven 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 4.

Table 4: 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
SCP3a	<i>Corymbia calophylla</i> - <i>Kingia australis</i> woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered as part of Claypans TEC
SCP3c	<i>Corymbia calophylla</i> - <i>Xanthorrhoea preissii</i> woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in in Gibson et al. (1994))	Critically Endangered	Endangered as part of Claypans TEC
SCP19b	Woodlands over sedgeland in Holocene dune swales of the southern Swan Coastal Plain (original description; Gibson et al. (1994).	Critically Endangered	Endangered
SCP02	Southern wet shrublands, Swan Coastal Plain (floristic community type 2 as originally described in Gibson et al. (1994))	Endangered	
SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered as Claypans TEC

Ecological Community	Description	Conservation Status WA	Status under the EPBC Act
SCP20b	<i>Banksia attenuata</i> and/or <i>Eucalyptus marginata</i> woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered as part of the Banksia WL SCP
SCP26a	<i>Melaleuca huegelii</i> - <i>Melaleuca systena</i> shrublands on limestone ridges (floristic community type 26a as originally described in Gibson et al. (1994))	Endangered	
SCP3b	<i>Corymbia calophylla</i> - <i>Eucalyptus marginata</i> woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable	
SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered
SCP09	Dense shrublands on clay flats (floristic community type 9 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered
<i>Casuarina obesa</i> association	<i>Casuarina obesa</i> Association	Priority 1	
SCP1a	<i>Eucalyptus haematoxylon</i> - <i>E. marginata</i> woodlands on Whicher foothills	Priority 3	
SCP21c	Low lying <i>Banksia attenuata</i> woodlands or shrublands	Priority 3	Endangered as part of the Banksia WL SCP
SCP22	<i>Banksia ilicifolia</i> woodlands	Priority 3	Endangered as part of the Banksia WL SCP
SCP25	Southern <i>Eucalyptus gomphocephala</i> - <i>Agonis flexuosa</i> woodlands	Priority 3	Critically Endangered as part of Tuart Woodlands
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

4.3 Flora

A total of 109 plant species were recorded on the site (Appendix 6). The total consisted of 91 native and 18 introduced species (16.5%)

No Threatened or Priority plant species were recorded on the site.

The plant Families with the highest representation of species were the Fabaceae (Pea and Wattle family – 12 species, including 8 native and 4 introduced), Asteraceae (Daisy family - 9 species, 6 native and 3 introduced), Myrtaceae (Myrtle family – 8 species, all native), Proteaceae (Banksia family – 8 species, all native) and the Poaceae (Grass family – 8 species, 2 native and 6 introduced).

Species richness in the five quadrats ranged from 9-33 species. Greater species richness was recorded in the vegetation in Good condition or better (average 34.5 species) compared to the vegetation in Degraded to Completely Degraded condition (average 13.0 species). The number of species per 10m x 10m quadrat in Good condition or better is low to moderate for Banksia woodlands and may reflect the clearing of the site in the 1970s. Quadrat Data are provided in Appendix 6.

4.4 Vegetation

4.4.1 Vegetation Complex

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

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

4.4.2 Vegetation Type

Vegetation complexes are a very broad mapping unit used to map the vegetation at the scale of the Swan Coastal Plain for example. For small scale sites, such as the survey area, vegetation mapping can be further refined by using vegetation types which are based on the composition and structure of the dominant species rather than based on geomorphology.


Three native vegetation types were described and mapped on the site. The vegetation types are described in Table 5 and mapped in Figure 3.



In addition, the western half of the site contained small stands of trees or isolated trees and shrubs in the paddock which are not technically vegetation types but are nonetheless native vegetation. These included three Sheoak trees (*Allocasuarina fraseriana*), one Flooded Gum tree (*Eucalyptus rudis*) and many scattered Paperbark shrubs (*Melaleuca preissiana*) (Plate 7).

Plate 7: Scattered Paperbark shrubs on the western cleared half of the site.



Table 5: Vegetation Types on the Site

Vegetation Type	Description	Photograph
<p>BaBmKg <i>Banksia attenuata</i>/<i>B. menziesii</i>/<i>Kunzea glabrescens</i> Low Woodland over <i>Hibbertia hypericoides</i> Open to Closed Low Heath</p>	<p>This is the main vegetation type that occurs over most of the eastern half of the site. The three upper canopy species <i>Banksia attenuata</i>, <i>B. menziesii</i> and <i>Kunzea glabrescens</i> are around 4-5m high and vary in respective density with total canopy cover being 20-40%. Some <i>Banksia ilicifolia</i> and <i>Eucalyptus todtiana</i> trees occur at the western end of the BaBmKg on slightly lower ground but the understorey composition is similar to that on higher ground. The understorey was mostly <1m with a few emergent taller shrubs like <i>Adenanthos cygnorum</i> and <i>Jacksonia sternbergiana</i>. Typical understorey species included <i>Hibbertia hypericoides</i>, <i>Morelotia octandra</i>, <i>Corynotheca micrantha</i>, <i>Dianella revoluta</i> var. <i>divaricata</i>, <i>Desmocladius flexuosus</i>, <i>Trachymene pilosa</i>, <i>Bossiaea eriocarpa</i> and <i>Conostylis aculeata</i>.</p> <p>The soils were orange-brown sand.</p> <p>Quadrat KR1, 2 and 3 were representative of this vegetation type.</p> <p>Total area = 6.62ha</p>	

Vegetation Type	Description	Photograph
<p>Mt <i>Melaleuca teretifolia</i> Shrubland over weeds</p>	<p>A strip of <i>Melaleuca teretifolia</i> Shrubland occurs on a man-made bund close to the northwestern boundary of the site. The bund is likely to have been created when the drain to the north was constructed prior to 1953. The <i>M. teretifolia</i> shrubs are 1.5-2m high and around 25% cover over a weedy understorey with Perennial Veldtgrass (<i>Ehrharta calycina</i>) the most common species. Pigface (<i>Carpobrotus edulis</i>) was also abundant.</p> <p>The soils on the bund were blackish loamy sand, indicative of the low-lying soil type on the western half of the site.</p> <p>Quadrat KR4 was representative of this vegetation type.</p> <p>Total area = 0.33ha</p>	
<p>Kg <i>Kunzea glabrescens/ Adenanthos cygnorum</i> Tall Shrubland over weeds</p>	<p>This vegetation type occurred along the southeastern boundary of the site which had been cleared previously as part of the sand mining operations on the Lot to the south. The vegetation is regrowth and consists of Spearwood (<i>Kunzea glabrescens</i>) and Woolly Bush (<i>Adenanthos cygnorum</i>) shrubs to 3.5m and overall 10% cover over a mix of native and introduced herbs and low shrubs. Common weeds include Perennial Veldtgrass, Pigface, Ursinia (<i>Ursinia anthemoides</i>) and Blowfly Grass (<i>Briza maxima</i>).</p> <p>The soils were dark grey sand.</p> <p>Quadrat KR5 was representative of this vegetation type.</p> <p>Total area = 0.67ha</p>	

4.4.3 Floristic Community Type

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

The FCT on the site was determined using the spreadsheet method which compares the species in the quadrats to the species found in each FCT (Table 12 in Gibson *et al.* 1994).

Using this method, the BaBmKg vegetation type had close similarities to FCT21a 'Central *Banksia attenuata* – *Eucalyptus marginata*' and FCT23a 'Central *Banksia attenuata* – *B. menziesii* woodlands'. Both FCTs occur primarily on Bassendean Sands such as on the site. The absence of any *Eucalyptus marginata* on the site steers the conclusion that the BaBmKg vegetation type is more likely to be FCT23a as *Eucalyptus marginata* is rare in this FCT compared to being usually present in FCT21a.

The Mt and Kg vegetation types are too degraded to assign to a FCT.

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 6).

Table 6: 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 in the western half was all rated as Degraded to Completely Degraded (Figure 4). The condition of the vegetation in the eastern half improved from Good along the western margin of the BaBmKg vegetation type to Excellent at the eastern end. The areas rated as Good

contained abundant weedy grasses in the understorey (Plate 8). The north-east area was rated as Good.

Plate 8: Good condition BaBmKg vegetation type with abundant Veldtgrass.



4.5 Conservation Significance of Flora and Vegetation

4.5.1 Flora

No Threatened or Priority flora species were recorded on the site.

4.5.2 Vegetation

4.5.2.1 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 EPA's target for minimum 10% retention of vegetation complexes in the Perth and Peel Region Constrained Areas. The area in protection is below the 10% minimum criteria for vegetation complexes.

4.5.2.2 Threatened and Priority Ecological Communities

None of the vegetation in Degraded to Completely Degraded condition is able to be assessed as a FCT. Therefore, the Mt and Kg vegetation types are not considered a Threatened Ecological Community (TEC) or Priority Ecological Community (PEC).

The Banksia woodland in Good to Excellent condition at the eastern half of the site is assessed as being FCT 23a, which itself is not a TEC or PEC. However, FCT 23a is part of a broader ecological community called the Banksia Woodlands of the Swan Coastal Plain which is listed as a PEC at State level and TEC

under the Commonwealth EPBC Act. An assessment of the Banksia woodland on the site follows with respect to the Banksia Woodland 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 7 assesses the BaBmKg vegetation type on the site against the Banksia Woodland TEC criteria contained in the Conservation Advice.

In summary, all of the BaBmKg vegetation type in Good condition or better is assessed as meeting the requirements to be the Banksia Woodland TEC. The patch is also continuous with similar vegetation on the eastern end of Lot 4 to the south. The size of the Banksia Woodland TEC is around 4.49ha.

Table 7: Assessment of the Banksia Woodland of the Swan Coastal Plain TEC.

Feature	Characteristic	Vegetation Type
		BaBmKg
Banksia Species	<p>The patch must include at least one of the following diagnostic species:</p> <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.
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 with native Spearwood (<i>Kunzea glabrescens</i>). • No emergent trees. • Understorey contains a low to moderate diversity of native species including shrubs, sedges and ephemerals.
Vegetation Condition	An area of Banksia woodland needs to be at least in Good condition to be considered the TEC.	Vegetation ranges from Degraded for the northern part to Excellent in the south-east corner. Overall condition rated as Very Good.
Patch Size	<p>The Banksia woodland TEC needs to meet a minimum 'patch' size depending on its condition to qualify as the TEC, as follows:</p> <ul style="list-style-type: none"> • 'Pristine' – no minimum patch size • 'Excellent' – 0.5ha • 'Very Good' – 1ha • 'Good' – 2ha 	<p>Total area of BaBmKg vegetation type woodland in Good condition or better is 4.49ha. The south-east part of the site is continuous with Banksia woodland at the eastern end of Lot 4 to the south.</p> <p>The area of BaBmKg in Degraded condition at the northern part of the site Total area of Banksia patch is 2.1ha.</p> <p>The area of Degraded BaBm Kg is separated from the larger area by a wide cleared firebreak and is not considered part of the same patch.</p> <p>The patch of BaBmKg in overall Very Good condition is above the 1ha minimum to meet the requirements of the TEC.</p> <p>The patch of BaBmKg in Degraded condition is below the minimum condition category to be the TEC</p>
Conclusion		Most of the BaBmKg vegetation type meets the requirements to be the Banksia Woodland TEC.

4.5.2.3 Banksia Woodland Regional Context

To assess the regional context of the Banksia Woodland on the site compared to the amount present in nearby secure reserves an analysis of Bush Forever sites and other reserves within 10km has been undertaken. Banksia Woodland TEC is represented in reserves as shown in Table 8. The amount of Banksia Woodland within 10km of the site is 3,369.5ha. The amount of Banksia Woodland on the site (4.49ha) represents 0.133% of the amount within 10km of the site.

Table 8: Banksia Woodland TEC in Surrounding Reserves

Site Number	Reserve Name	Inferred Area of Banksia Woodland (ha)	FCT	Distance to Site (km)
348	Modong Nature Reserve and adjacent bushland, Oakford	Upland – 130.1	21a, 23a	1.4
353	Banksia Road Nature Reserve	Upland – 30.4	22, 23a	2.0
273	Casuarina Prison Bushland	Upland – 115.6	21c, 23a	2.22
347	Wandi Nature Reserve and Anketell Road Bushland, Wandi/Oakford	Upland – 370.1	22, 23a	3.8
270	Sandy Lake and Adjacent Bushland	Upland – 53.7	21a, 21c, 22, 23a	4.3
352	Cardup Nature Reserve and Adjacent Bushland, Cardup	Upland – 86.2	20b, 21a	6.7
349	Leda and Adjacent Bushland, Leda	Upland – 849.9	21a, 28	7.2
368	Lowlands Bushland – Eastern Block, Peel Estate	Upland – 1,017.3	21a, 21c, 23a	7.4
345	Forrestdale Lake and Adjacent Bushland, Forrestdale	Upland – 93.5	21a, 21c	7.4
321	Brickwood Reserve and Adjacent Bushland, Byford	Upland – 27.2	20b	7.9
344	Denis de Young Reserve and Gibbs Road Swamp Bushland, Banjup/Forrestdale	Upland – 265.7	21c, 22	8.2
Total		3,369.5		

4.5.2.4 Banksia Woodland Significance of Impact

The impact of clearing the Banksia Woodland TEC has been analysed in accordance with the *EPBC Act Policy Statement 1.1 Significant Impact Guidelines* (SEWPaC, 2006). The significance of an impact, according to the Significant Impact Guidelines depends on the sensitivity, value and quality of the environment and the intensity, duration, magnitude and geographic extent of the impacts. The significant impact criteria for listed flora and fauna species and ecological communities depend on the category of listing, eg. Endangered, Vulnerable or Migratory. The significant impact guidelines pertinent to the Banksia Woodland TEC and analysis of proposed clearing for sand extraction has been undertaken.

1. *Reduce the extent of an ecological community.*

Clearing of the site for sand extraction will result in the removal of 4.49 ha of the Banksia Woodland TEC. Contextually there are more than 3,300ha of Banksia Woodland in secure reserves in Bush Forever sites within 10km. The proposed clearing is around 0.13% of the area that is in secure reserves nearby.

Impact: Known

2. *Fragment or increase fragmentation of an ecological community, for example by clearing vegetation for roads or transmission lines.*

The vegetation on site represents an isolated patch of a fragmented TEC, as a result of surrounding rural land uses. The site is not considered to be an important linkage across an already fragmented landscape

Impact: Unlikely

3. *Adversely affect habitat critical to the survival of an ecological community.*

The TEC on the site meets the key diagnostic characteristics and condition thresholds and therefore is considered to be critical habitat, however there are 3,300ha of larger, consolidated patches of TEC that are better quality examples of the TEC within 10km that have a high level of protection.

Impact: Unlikely

4. *Modify or destroy abiotic (non-living) factors (such as water, nutrients, or soil) necessary for an ecological community's survival, including reduction of groundwater levels, or substantial alteration of surface water drainage patterns.*

Clearing and sand mining on the site will require hydrological management procedures to be included as part of an application for extractive industry license such that the pre-development flows are not impacted. Therefore there will be no hydrological impact on nearby ecological communities.

Impact: Unlikely

5. *Cause a substantial change in the species composition of an occurrence of an ecological community, including causing a decline or loss of functionally important species, for example through regular burning or flora or fauna harvesting.*

The area of TEC that will be directly impacted will not impact on the composition of any additional areas of TEC off site. Offsite impacts such as dieback and changes to groundwater will be mitigated by procedures as required under an extractive industry licence and can be managed to mitigate the risk.

Impact: Unlikely

6. *Cause a substantial reduction in the quality or integrity of an occurrence of an ecological community, including, but not limited to:*

- *assisting invasive species, that are harmful to the listed ecological community, to become established, or*

- *causing regular mobilisation of fertilisers, herbicides or other chemicals or pollutants into the ecological community which kill or inhibit the growth of species in the ecological community.*

The clearing of the site will not increase any artificial pollutants that may impact on surrounding areas or other occurrences of the TEC. Weed spread from the clearing of the site is not likely to impact on other occurrences of the TEC.

Impact: Unlikely

7. Interfere with the recovery of an ecological community.

Section 5 of the Approved Conservation Advice discusses priority research and conservation actions and states: *It is more practical and cost-effective to maintain existing high quality remnants than to allow their degradation and then attempt rehabilitation of these or other areas.* The site is not considered a high quality remnant as it is small and relatively fragmented from other areas of native vegetation. Clearing would not interfere with the recovery of the TEC.

Impact: Unlikely

5 SUMMARY AND CONCLUSIONS

The 2021 Detailed Flora and Vegetation Survey of Lot 5 King Road, Oldbury resulted in the following findings:

- The site contains around 7.6ha of native vegetation, predominantly on the eastern half as well as scattered trees within the cleared paddock in the western half;
- The main vegetation type is a *Banksia attenuata*/*B. menziesii*/*Kunzea glabrescens* Low Woodland on dry, sandy soils in the eastern half;
- The condition of the Banksia woodland ranges from Degraded at the northern end to Excellent at the south-east end;
- The areas of intact native vegetation are representative of the Bassendean– Central and South vegetation complex. The percentage retention is above EPA’s target for minimum 10% retention of vegetation complexes in the Perth and Peel Region Constrained Areas. The area in protection is below the 10% minimum criteria for vegetation complexes.
- The Banksia Woodland vegetation was assessed as being representative of FCT23a which is not a Threatened or Priority Ecological Community at State or Commonwealth level;
- The areas of Banksia Woodlands in Good condition or better were assessed as meeting the definition of the Banksia Woodlands of the Swan Coastal Plain ecological community which is a PEC at State level and a TEC under the Commonwealth EPBC Act. A total of 4.49ha of the Banksia Woodland TEC occurs on the site;
- A total of 109 plant species were recorded on the site, including 91 native and 18 introduced species;
- No Threatened or Priority plant species were recorded on the site;
- Any proposal to clear the native vegetation on the site will require a clearing permit at State level unless an exemption applies which is unlikely for a sand mine; and
- A proposal to clear the Banksia woodland TEC area will require a Referral under the Commonwealth EPBC Act, however is considered not likely to have a significant impact as it is a small impacted area of TEC (4.49ha) in the context of around 3,300ha of high quality Banksia Woodland in nearby reserves.

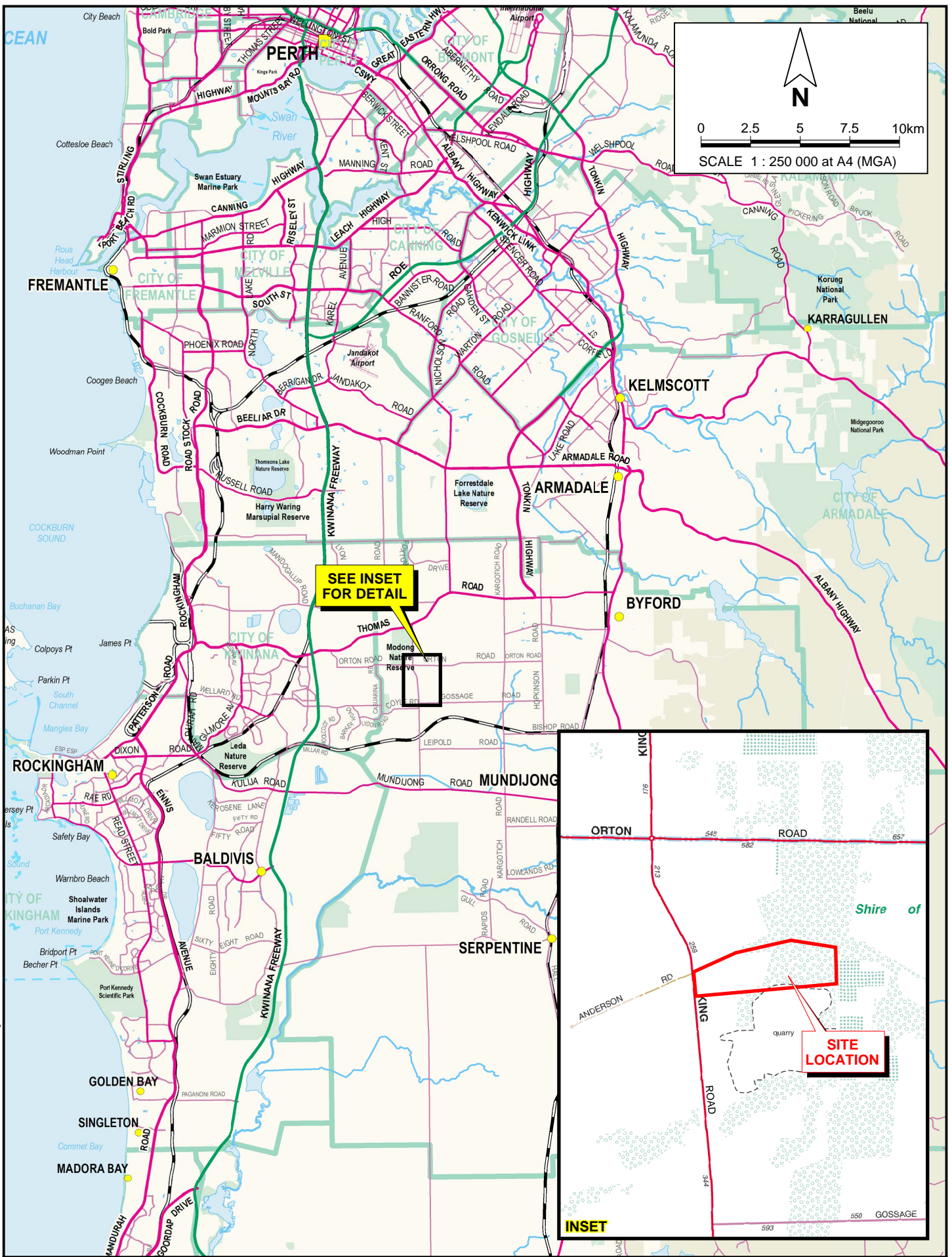
6 REFERENCES

- Amanitaceae Org (2015) Species Profile *Amanita preissii* Accessed August 2015 <http://www.amanitaceae.org/?Amanita+priessii> Australia
- Barrett, R.L. (2012) *Poranthera moorokatta* (Phyllanthaceae), a rare new species from Perth, Western Australia *Nuytsia* 22(6): 399-407 Perth, Western Australia
- Barrett, R.L. and Dixon, K.W. (2001) A revision of the genus *Calectasia* (Calectasiaceae) with eight new species described from south-west Western Australia *Nuytsia* 13(3) 411-448 Perth, Western Australia
- Bureau of Meteorology, (BOM) (2021), Climate Data online <http://www.bom.gov.au/climate/data/> Accessed September 2021 Perth Western Australia
- Bolland, M. (1998) *Soils of the Swan Coastal Plain*. Department of Agriculture. Bunbury, Western Australia.
- Davidson, E.M., Giustiniano, D., McGurk, L.E., Watkin, E.L.J. and Bougher, N.L.. (2017) Neotypification and redescription of *Amanita preissii* (Basidiomycota), and reconsideration of the status of *A. griseibrunnea* *Nuytsia* 28:193-204 Perth, Western Australia
- Davidson, E.M., McGurk, Bouigher, N.L., Syme, K. and Watkin, E.L.J. (2013) *Amanita lesueurii* and *A. wadjukiorum* Basidiomycota), two new species from Western Australia, and an expanded description of *A. fibrillopes* *Nuytsia* 23:589-606 Perth, Western Australia
- Department of Agriculture, Water and the Environment (DAWE) (2021) *Protected Matters Search Tool* <http://www.environment.gov.au/webgis-framework/apps/pmst/pmst.jsf> Accessed March 2021 Canberra, Australia
- Department of Biodiversity, Conservation and Attractions (DBCA) (2017) *Florabase* <https://florabase.dpaw.wa.gov.au/> Accessed 2017 Perth Western Australia
- Department of Biodiversity, Conservation and Attractions (DBCA) (2018) *Remnant Vegetation Extent Stats* 2018 Perth western Australia
- Department of Biodiversity, Conservation and Attractions (DBCA) (2021) *Naturemap* Accessed March 2021 <https://naturemap.dpaw.wa.gov.au/> Perth Western Australia
- Department of Environment and Conservation (2009a) *Grand Spider Orchid (Caladenia huegelii) Recovery Plan*. Commonwealth Department of the Environment, Water, Heritage and the Arts, Canberra.
- Department of Environment and Conservation (DEC) (2009b) *Glossy-leafed Hammer Orchid (Drakaea elastica) Recovery Plan*. Department of Environment and Conservation, Western Australia.
- Department of Parks and Wildlife (DPaW) (2017) *Serpentine Synaphea (Synaphea sp. Serpentine (G.R. Brand 103)) Interim Recovery Plan 2017–2022*. Interim Recovery Plan No. 380. Perth, Western Australia.

- Department of Primary Industries and Regional Development (DPIRD) (2021) *Natural Resource Information*. Accessed March 2021 <http://maps.agric.wa.gov.au/nrm-info/> Government of Western Australia, Perth.
- Department of the Environment and Energy (DotEE) (2016) *Species Profile and Threats (SPRAT) Database*. <http://www.environment.gov.au/cgi-bin/sprat/public/sprat.pl> Commonwealth of Australia.
- Department of Water and Environmental Regulation (DWER) (2021) *Perth Groundwater Map*. Accessed March 2021 <https://maps.water.wa.gov.au/#/webmap/gwm> Government of Western Australia, Perth.
- Environmental Protection Authority (EPA) (2016) *Technical Guidance: Flora and Vegetation Surveys for Environmental Impact Assessment* Perth Western Australia
- Gibson, N., Keighery, B., Keighery, G., Burbidge, A., and Lyons, M. (1994). *A Floristic Survey of the Swan Coastal Plain*. Department of Conservation and Land Management. Perth, Western Australia
- Government of Western Australia (2000) *Bush Forever - Keeping the Bush in the City. Volume 2: Directory of Bush Forever Sites*. Perth, Western Australia.
- Hedde, E.M., Loneragan, O.W. and Havel, J.J. (1980) Vegetation complexes of the Darling System, Western Australia. In *Atlas of Natural Resources of the Darling System of Western Australia*. Department of Conservation and Environment. Perth, Western Australia.
- Landgate (2021) Historical Aerial Photography Accessed March 2021 <https://www.landgate.wa.gov.au/bmvf/app/mapviewer/> Government of Western Australia, Perth.
- McGurk, L.E., Giustiniano, D., Davison, E.M. and Watkin, E.L.J. (2016) *Amanita wadulawitu* (Basidiomycota), a new species from Western Australia, and an expanded description of *A. kalamundae* *Nuytsia* 27: 21-30 Perth, Western Australia
- National Map (2021) Map-Based Access to Spatial Data from Australian Government Agencies <http://nationalmap.gov.au/#wa> Accessed March 2021 Government of Australia
- Western Australian Herbarium (1989) Online record on Atlas of Living Australia *Eryngium pinnatifidum* subsp. Palustre <http://biocache.ala.org.au/occurrences/579560ea-be88-440b-9ab0-e93999c5b08d> Accessed October 2015 Perth
- Western Australian Herbarium (2005) Atlas of Living Australia Record *Tetraria* sp. Chandala <http://biocache.ala.org.au/occurrences/a9c665cf-9f13-4d82-8bd5-d53cfd2f5c19> Accessed March 2016 Perth, Western Australia
- Western Australian Planning Commission (WAPC) (1989) *Shire of Serpentine Local Planning Scheme No. 2* Perth, Western Australia

Williams, K., Horan, A., Wood, S. and Webb, A (2001) *Declared rare and poorly known flora in the Central Forest Region, Western Australian Wildlife Management Program No. 33*, Western Australian Department of Conservation and Land Management. Perth, Western Australia

FIGURES



PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-637-401.dgn

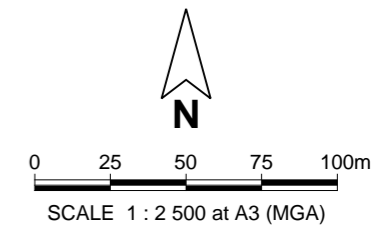
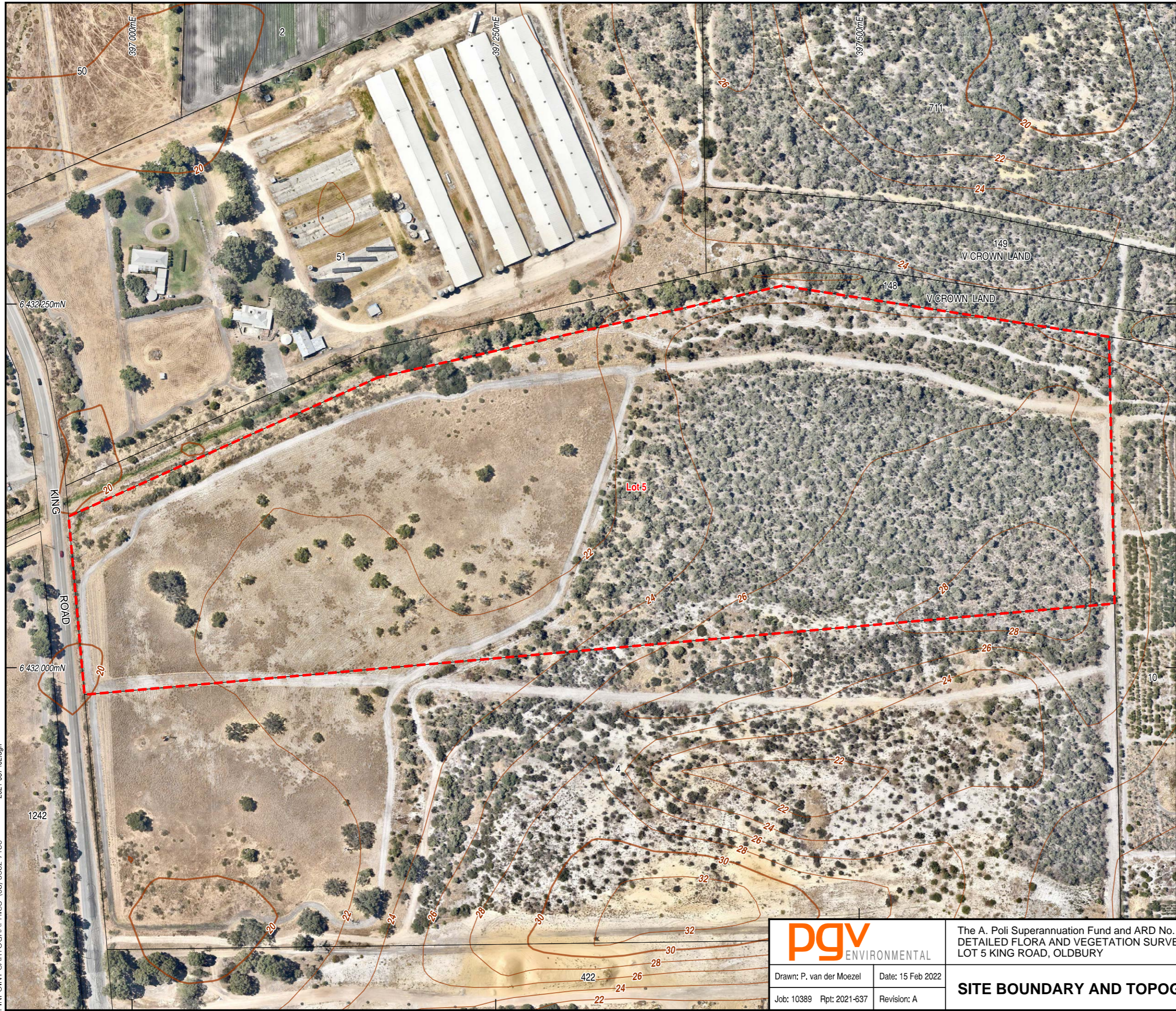


The A. Poli Superannuation Fund and ARD No. 4
 DETAILED FLORA AND VEGETATION SURVEY
 LOT 5 KING ROAD, OLDBURY

Drawn: P. van der Moezel	Date: 15 Feb 2022
Job: 10389 Rpt: 2021-637	Revision: A

SITE LOCATION

Figure 1



- Legend**
- - - Site Boundary
 - Cadastral Boundary
 - Topographic Contour

CADASTRAL SOURCE: Landgate, March 2021.
 TOPOGRAPHIC CONTOURS SOURCE: Dept. of Agriculture, 2000.
 AERIAL PHOTOGRAPHY SOURCE: NearMap, flown January 2022.

pgv ENVIRONMENTAL

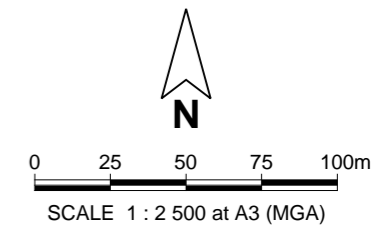
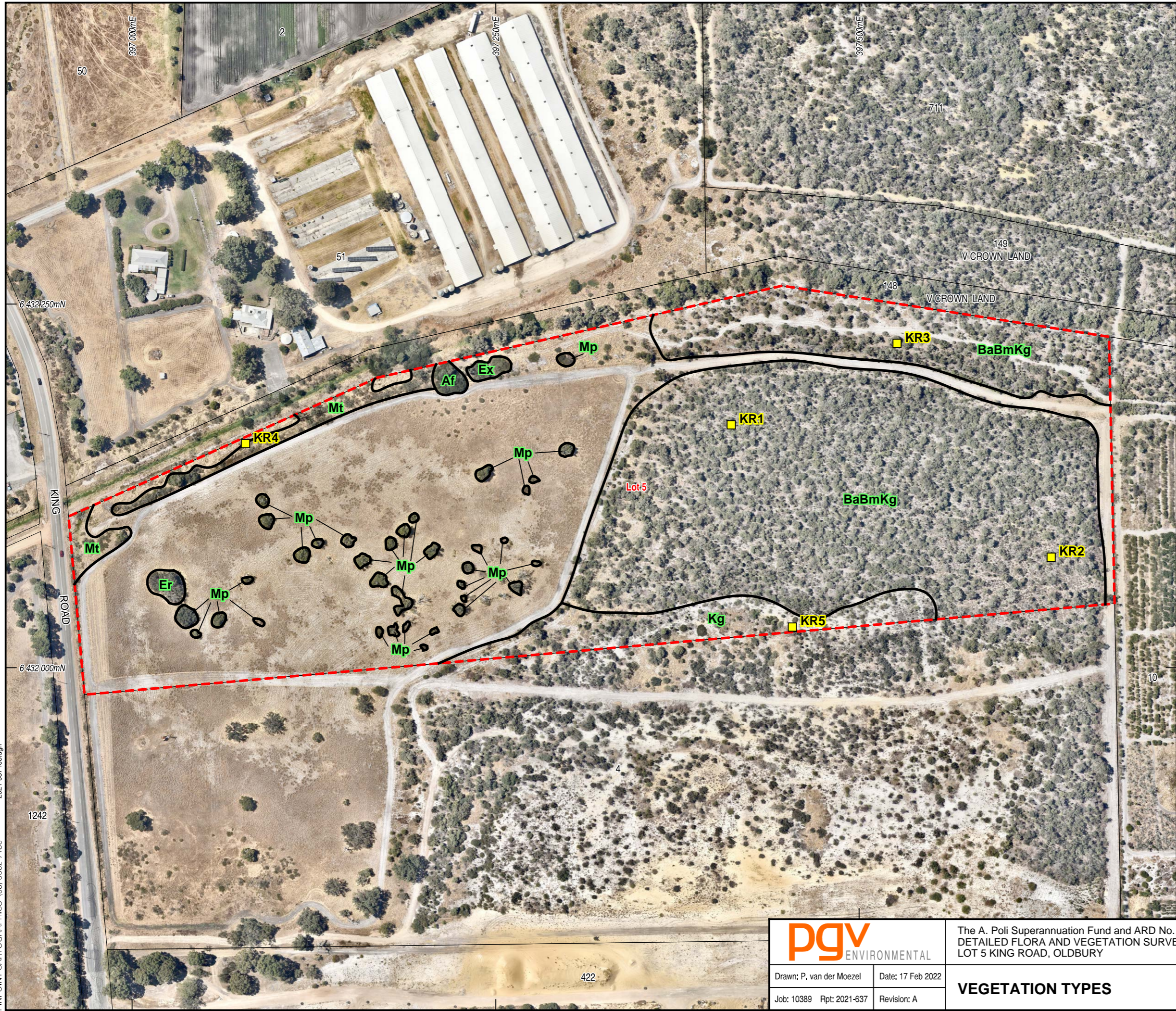
Drawn: P. van der Moezel	Date: 15 Feb 2022
Job: 10389 Rpt: 2021-637	Revision: A

The A. Poli Superannuation Fund and ARD No. 4
 DETAILED FLORA AND VEGETATION SURVEY
 LOT 5 KING ROAD, OLDBURY

SITE BOUNDARY AND TOPOGRAPHY

PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-637-102.dgn

Figure 2



- Legend**
- - - Site Boundary
 - Cadastral Boundary
 - Quadrat Location
 - Vegetation Type Boundary
 - Mp Vegetation Type

- Vegetation Types**
- BaBmKg**
Banksia attenuata/B. menziesii/ Kunzea glabrescens
 Low Woodland over *Hibbertia hypericoides* Open to Closed Low Heath
- Mt**
Melaleuca teretifolia Shrubland over weeds
- Kg**
Kunzea glabrescens/Adenanthos cygnorum Tall Shrubland over weeds
- Scattered Trees and Shrubs**
- Er**
Eucalyptus rudis tree
- Mp**
Melaleuca preissiana plants
- Af**
Allocasuarina fraseriana trees
- Ex**
 Exotic plants

CADASTRAL SOURCE: Landgate, March 2021.
 AERIAL PHOTOGRAPHY SOURCE: NearMap, flown January 2022.

pgv ENVIRONMENTAL

Drawn: P. van der Moezel Date: 17 Feb 2022

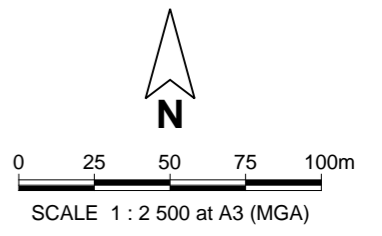
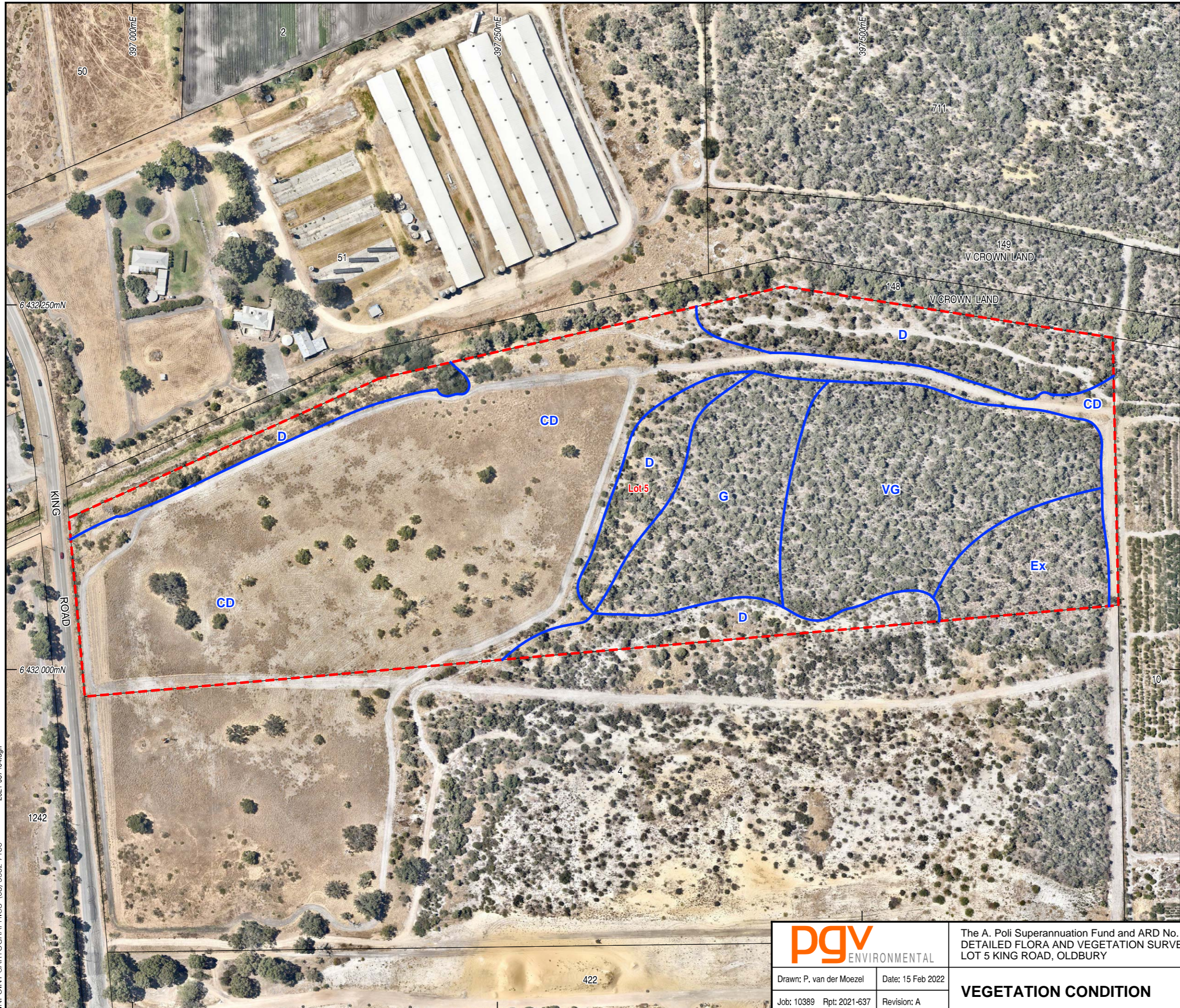
Job: 10389 Rpt: 2021-637 Revision: A

The A. Poli Superannuation Fund and ARD No. 4
 DETAILED FLORA AND VEGETATION SURVEY
 LOT 5 KING ROAD, OLDBURY

VEGETATION TYPES

Figure 3

PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-637-103.dgn



- Legend**
- - - Site Boundary
 - Cadastral Boundary
 - - - Easement Boundary
 - Vegetation Condition Boundary
 - VG Vegetation Condition

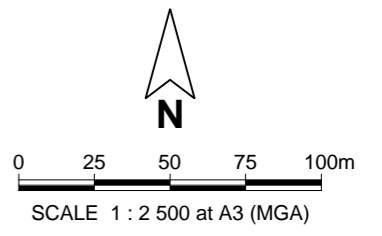
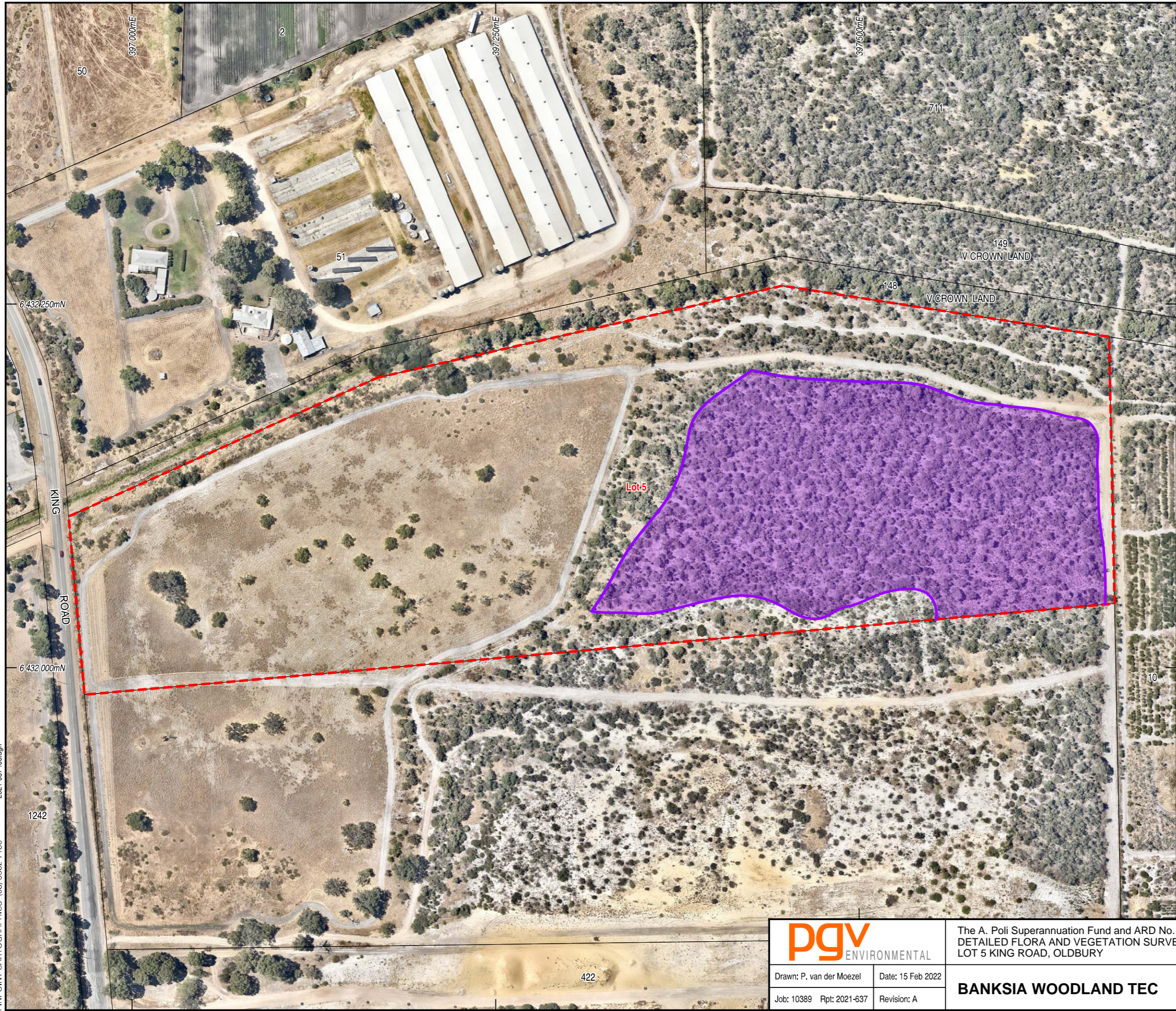
- Vegetation Condition**
(SOURCE: Bush Forever, Govt. of W.A., 2000)
- P - Pristine**
Pristine or nearly so, no obvious signs of disturbance.
 - Ex - Excellent**
Vegetation structure intact, disturbance affecting individual species and weeds are non aggressive species.
 - VG - Very Good**
Vegetation 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.

CADASTRAL SOURCE: Landgate, March 2021.
AERIAL PHOTOGRAPHY SOURCE: NearMap, flown January 2022.

PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-637-104.dgn

		The A. Poli Superannuation Fund and ARD No. 4 DETAILED FLORA AND VEGETATION SURVEY LOT 5 KING ROAD, OLDBURY	
Drawn: P. van der Moezel	Date: 15 Feb 2022	<h2 style="margin: 0;">VEGETATION CONDITION</h2>	
Job: 10389 Rpt: 2021-637	Revision: A		

Figure 4



- Legend**
- - - Site Boundary
 - Cadastral Boundary
 - Banksia Woodland TEC

CADASTRAL SOURCE: Landgate, March 2021.
 AERIAL PHOTOGRAPHY SOURCE: NearMap, flown January 2022.

		The A. Poli Superannuation Fund and ARD No. 4 DETAILED FLORA AND VEGETATION SURVEY LOT 5 KING ROAD, OLDBURY	
		BANKSIA WOODLAND TEC	
Drawn: P. van der Moezel	Date: 15 Feb 2022		
Job: 10389 Rpt: 2021-637	Revision: A		

Figure 5

PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-637-105.dgn

APPENDIX 1

DBCA Flora Database Searches

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
2707	619884	14932	Acacia lasiocarpa var. bracteolata long peduncle variant (G.J. Keighery 5026)	1	Low spreading, sparsely branched shrub, to 1 m x 1 m. Flowers yellow.	Low lying sand over clay. Winter wet, open.				6 km WNW of Mundijong	AUTO	3	5/08/1982
2708	9275118	14932	Acacia lasiocarpa var. bracteolata long peduncle variant (G.J. Keighery 5026)	1	Low shrub. In fruit.	Flat, brown sandy loam soil.	Isolated low trees of Melaleuca preissiana over isolated tall shrubs of Viminaria juncea and Callitris pyramidalis over mid to low shrubland to low shrubland of mixed species dominated by Regelia ciliata, Hakea varia, Pericalymma ellipticum, Calothamnus	single plant seen.		Rail reserve along Bishop Road, 500 m W of Hopkinson Road, ca. 3.3 km NW of Mundijong	GPS	1	17/10/2019
5738	8347360	43543	Amanita fibrilloses	3		In sand with a deep mulch of leaf litter.	Banksia/Eucalypt woodland, nearby Eucalyptus marginata and Allocasuarina fraseriana.			Lowlands, near Rockingham	GPS	1	1/06/2008
5741	8347344	43543	Amanita fibrilloses	3		Under leaf litter, sandy soil.	Nearby Eucalyptus marginata and Proteaceae.			Lowlands, near Rockingham	GPS	1	25/06/2006
5752	8072396	43543	Amanita fibrilloses	3	Characteristic Features: (i) Cap: hemispheric when young, applanate when mature; 42 and 65 mm diameter; surface smooth and slightly viscid; covered with thick universal veil; vinaceous buff, breaking into polygonal, pyramidal warts, smaller in centre, la		Emergent Eucalyptus marginata in a woodland of Banksia.		Other code: PUBF Orange 4, Specimen ID 1822, Group 122.	Lowlands, Lowlands Road, Mardella, Perth	GPS	1	20/05/2006
5753	8072388	43543	Amanita fibrilloses	3	Characteristic Features: (i) Sand covered pastel pinkish-orange to peach coloured when young; (ii) mealy warts on cap inconspicuous at first but become quite tall and pyramidal in old specimens; (iii) white to cream gills. Pileus: Up to 70 mm; flat conve	Submerged in white to grey sand, emerging in part when quite old.	Eucalyptus marginata.		Field name: Pink-capped Amanita.	Lowlands, Lowlands Road, Mardella, Shire of Serpentine-Jarrahdale	GPS	1	21/05/2006
5831	9004637	48332	Amanita preissii	3	Pileus 83 mm diameter, cream (C, pale 3A2), plane with decurved margin and slightly raised centre, margin not striate, appendiculate. Universal veil on pileus crustose, thin, as small soft floccose warts, adnate, white. Lamellae cream (D, 3A2-4A2), narrow		Banksia/eucalypt woodland with Kunzea ericifolia, Acacia pulchella, Eucalyptus marginata.	one.		Jandakot Regional Park	GPS	1	4/06/2018

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
5855	8467633	43542	Amanita wadjukiorum	3	Pileus 55 mm diameter, 4 mm thick, in centre, pale drab (6D3-4), convex with depressed centre, non-striate, appendiculate, dry, no smell, no bruising or staining, context cream and grey in the centre. Universal veil pale drab (6D3-4, as small small strai	In litter. On ridge hill shelf, sandy loam.	Jarrah-Banksia woodland. Nearby plants Allocasuarina fraseriana.	single specimen.		Wungong catchment, Bella Cumming Reserve, Mundijong	GPS	1	26/08/2012
5889	9144390	46333	Amanita wadulawitu	2	Pileus 56 mm diameter, white, plane with depressed centre, margin appendiculate, mushroom smell, context white, unchanging. Universal veil on pileus white, crustose over whole disc, as small straight-sided flat-topped warts over the central 2/3 of disc.		Eucalypt/Banksia woodland with Jacksonia sternbergiana, Eucalyptus marginata, Hibbertia.	single specimen.		Cardup Reserve	GPS	1	30/05/2018
6562	8893497	7829	Angianthus drummondii	3	Annual herb.	Seasonally wet poorly drained flat. Brown clay.	Melaleuca acutifolia over Leptocarpus decipiens, Apodasmia ceramophila over rich herb layer.		Vegetation condition: very good. TEC, communities 7 & 8.	Plot Mud 03. Roadside remnant Mundijong Road, W of Kargotich Road	GPS	1	5/11/2012
7160	4095251	141	Aponogeton hexatepalus	4	Aquatic bulbous herb 15 cm high.	Seasonal wetland on Pinjarra Plain. Red loam.	Open Melaleuca viminea scrub over Leptocarpus coangustatus dense low sedges.	common.		Bushland remnant W of junction of Mundijong and Duckpond roads (plot duck-3)	GPS	1	7/08/1992
7976	8644667	45402	Babingtonia urbana	3	Spreading shrub to 1 m tall x 1.5 m wide. Flowers pink.	Winterwet depression.	With Verticordia densiflora, Melaleuca viminea, Hakea varia, Meeboldina cana and Ficinia nodosa.	>1000 in estimated area 30 m x 500 m.		Along Mundijong Road by Kargotich Road intersection	GPS	1	19/02/2014
7977	8644659	45402	Babingtonia urbana	3	Spreading shrub to 1 m tall x 1.5 m wide. Flowers pink.	Winterwet depression.	With Verticordia densiflora, Melaleuca viminea, Hakea varia, Meeboldina cana and Ficinia nodosa.	>1000 in estimated area 30 m x 500 m.		Along Mundijong Road by Kargotich Road intersection	GPS	1	19/02/2014
7981	8644640	45402	Babingtonia urbana	3	0.5 m high x 1.5 m wide. Flowers pink.	Fenceline of drainage line.	Planted Eucalyptus trees, Verticordia densiflora.	2 in estimated area 10 m x 5 m.		Cardup, 600 m N of Gossage Road	GPS	1	13/02/2014
7983	4099672	45402	Babingtonia urbana	3	Erect shrub with slender drooping flowering branches. Flowers pale pink to white, in flower.	Winter wet. Brown clay over ironstone.	Heath of Calothamnus hirsutus, Jacksonia, Melaleuca and Baeckea emergent.	common locally, not widespread.		Mundijong road, 4 km W of Mundijong	MAN	3	20/01/1992
7984	3377962	45402	Babingtonia urbana	3	Erect open shrub, 40 cm high. Flowers white and pink centres.	Dry summer swamp. Sandy white clay soil.	Heath type vegetation.			Abernethy Road, Oakford	MAN	0	23/03/1981
7985	8931305	45402	Babingtonia urbana	3	Erect shrub up to 0.5 m with many slender branches and pink flowers.	Flat, with brown clay loam soils.	Growing with Meeboldina decipiens subsp. decipiens.	total of 20 plants.		Turner Road verge adjacent to Brickwood Reserve, Byford. Southern verge underneath power line between poles 147035 and 147033, ca. 500 m SW from junction with Soldiers Road	GPS	1	2/03/2016

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
11384	7332025	16633	<i>Boronia juncea</i> subsp. <i>juncea</i>	1	Shrub to 1 m high x 0.5 m wide. Pink and purple flowers.	Gentle slope with a north aspect. Surface soil is dark brown sandy loam and sub surface soil is dark brown sandy loam. Drainage is poor and wet during winter and spring only with soil being waterlogged at present.	Melaleuca preissiana, M. raphiophylla low open woodland over <i>Astartea scoparia</i> closed heath over <i>Centella asiatica</i> herbland. Excellent to pristine vegetation condition with some weed species affecting the herb layer.	a couple.		Braddock Road, Wellard	GPS	1	2/12/2005
13077	4931084	1214	<i>Calectasia grandiflora</i>	2	Erect, open, perennial herb 60 cm high x 40 cm wide. Flowers metallic blue.	Wetland. Seasonally moist, littered black clay.	Dense Heath B.		Abundance: occasional.	Mundijong Road, 200 m E of intersection with Kargotich Road	GPS	1	6/11/1997
13082	9275142	1214	<i>Calectasia grandiflora</i>	2	Rhizomatous, perennial herb, 0.3 m high. Flowers purple.	Flat, brown clayey sand.	Tall to mid sparse shrubland dominated by <i>Jacksonia sternbergiana</i> , <i>Kingia australis</i> and <i>Xanthorrhoea preissii</i> over mid sparse shrubland of mixed species dominated by <i>Hakea varia</i> over shrubland to open shrubland of mixed species including <i>Hypocalymma angu</i>			Within the Mundijong Road road reserve ca. 1.7 km WSW of Mundijong, 1.58 km W of the Mundijong Road and Watkins Road intersection	GPS	1	24/09/2020
16404	7332149	16245	<i>Cyathochaeta teretifolia</i>	3	Tufty sedge with height of 1.5 m and width of 1 m.	Gentle slope with a north aspect. Surface soil is dark brown sandy loam and sub surface soil is dark brown sandy loam. Drainage is poor and wet during winter and spring only with soil being waterlogged at present.	Melaleuca preissiana, M. raphiophylla low open woodland over <i>Astartea scoparia</i> closed heath over <i>Centella asiatica</i> herbland. Excellent to pristine vegetation condition with some weed species affecting the herb layer.	locally common.	Outside quadrat.	Braddock Road, Wellard	GPS	1	2/12/2005
16416	7858736	16245	<i>Cyathochaeta teretifolia</i>	3		Black peat.	Melaleuca preissiana, <i>Eucalyptus rudis</i> subsp. <i>rudis</i> , <i>Pteridium esculentum</i>			Lot 100, Treeby Rd, Anketell	GPS	0	24/10/2007
18716	4497864	3863	<i>Dillwynia dillwynioides</i>	3	Shrub 1.5m.	Soil: Grey sand. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Bassendean sands.	Vegetation: <i>Kunzea ericifolia</i> Scrub over <i>Pericalymma ellipticum</i> Open Low Scrub B over mixed Open Herbs.			Remnant vegetation on Lowlands property (M103) 9 km WNW of Serpentine (plot low09a).	GPS	1	12/09/1992
18743	4457811	3863	<i>Dillwynia dillwynioides</i>	3	Shrub 1.5m.	Soil: Dark brown sand. Topography/drainage: Seasonally wet flat. Geomorphology: Bassendean sands.	Vegetation: <i>Melaleuca raphiophylla</i> Open Low Woodland A over <i>Kunzea ericifolia</i> Thicket over <i>Astartea fascicularis</i> Low Scrub A over mixed Herbs.			Remnant vegetation on Lowlands property (M103) 9 km WNW of Serpentine (plot low08).	GPS	1	6/11/1993
18904	8063621	12938	<i>Diuris micrantha</i>	T	Plants tall, flowers very small, yellow with red-brown markings.	Swamp. Black peaty soil.	Miscellaneous rushes and sedges.			Mandogolup, Johnsons Road, Darling District	UNK	3	23/09/1985
18906	8649731	12938	<i>Diuris micrantha</i>	T	Orchid.	Swamp. Inundated black clay peat. Burnt in 2009.	Open scrub over dense low sedges. <i>Lepidosperma longitudinale</i> , <i>Wurmbea</i> sp., <i>Burchardia</i> sp., <i>Romulea rosea</i> , <i>Trifolium</i> sp., cape tulip.	7 plants.	Area occupied is c. 2.5 m x 1.5 m. Population 1a.	Lot 9206 Johnson Road, Bertram. Population occurs within swamp on W side of Johnson Road c. 630 m S of Holden and Johnson Roads intersection and c. 70 m W of E boundary fence	GPS	1	22/09/2009

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
18908	9210032	12938	Diuris micrantha	T	Full flower.	Winter wet swamp.	Dense herbs, Wurmbea dioica, Tribonanthes, sedges bordered by Melaleuca raphiophylla, Acacia saligna Low Woodland A (Muir 1977), Thelymitra holmsii.		D. laxiflora complex small.	1.2 km S of Thomas Road on Johnson Road, W verge, 0.45 km 12 degrees N of Bertram	TOPO	2	9/09/1985
18909	1096478	1637	Diuris purdiei	T		Sand.				Mundijong.	MAN	3	/09/1903
18915	7500971	1637	Diuris purdiei	T		Burnt winter wet swamp on N side (private land). Burnt last summer.	Low heath of Homalospermum, Pericalymma ? etc. over sedges and many herbaceous species, Drosera, Stylidium etc. Paperbarks (Melaleuca preissiana).	30+ plants.		Thomas Road (Oakford), 600 m W of Anketell Road	UNK	3	11/10/1987
19030	7104588	4763	Dodonea hackettiana	4	Perennial, erect shrub, 4 m high x 3 m wide. Orange flowers. Reproductive method: seeds.	Plain. Reserve. Lake upland. Beeliar Regional Park. Grey dry sand. Soil disturbed 20 years ago.	Tall trees with Eucalyptus rudis and paperbarks.	6-20 plants in 10 m x 10 m area.	Population structure: 50% in bud, 100% flowering. With many alien species.	About 40 m S of Osprey Drive and just E of the drain going under Osprey Drive (which is W of Parkes Road); Yangebup	GPS	1	16/10/2003
19130	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.		Mandogalup, S of Perth, 0.8 km S of Hope Valley Road, along Treeby Road	MAN	3	28/10/1982
19341	5811953	3115	Drosera occidentalis	4	Small herb with sparse rosette. Peduncle to ca 1 cm high. Flowers white to pale pink.	Damp flat. Grey sandy clay. Edge of cleared firebreak.	In regenerating Pericalymma ellipticum heath.			0.9 km SSW of Byford Siding between Soldiers Road and Turner Road, N of small creek,	MAN	3	27/11/1990
34148	4916980	20462	Jacksonia gracillima	3	Decumbent open shrub, 100 cm high x 150 cm wide. Flower standard orange red at base, wings orange red, keel red. Deep tap roots, tight barked, nondescript smell.	Wetland. Seasonally moist littered black clay.	Dense Heath B (Muir).		Abundance: frequent.	Mundijong Road, 200 m E of intersection with Kargotich Road	MAN	0	6/11/1997
34149	4463781	20462	Jacksonia gracillima	3	Swamp Form. Low spreading shrub.	Soil: Grey sand. Topography/drainage: Well drained flat. Geomorphology: Bassendean sands.	Vegetation: Banksia attenuata, B. ilicifolia Low Forest A over Melaleuca thymoides, Kunzea ericifolia Scrub over Patersonia occidentalis, Dasyogon bromilifolius Herbs over Lepidosperma angustatum Very Open Low Sedges.			Location: Modong Nature Reserve, S of Thomas Rd, 10 km W of Byford (plot modo-5).	GPS	1	27/11/1992
34156	7127499	20462	Jacksonia gracillima	3	Decumbent shrub - 20 cm high and 50 cm wide. Flowers standard orange-yellow; eye yellow with red halo; wings/keel red, in full flower.	Winter wet flats; brown clay.	Melaleuca uncinata tall shrubland over low shrubland of Calothamnus, Verticordia spp over sedges.			Road verge, 2 km W Mundijong	UNK	2	5/11/2004
34166	9076557	20462	Jacksonia gracillima	3	Spreading low shrub, 50 cm high.	Very gentle lower slope of dune on edge of broad swale. Grey sand. > 7 years since fire.	Corymbia calophylla and Eucalyptus marginata subsp. marginata open forest, over Allocasuarina fraseriana, Banksia ilicifolia, B. menziesii and B. attenuata scattered low trees to low woodland, over Xanthorrhoea preissii high open shrubland, over Daviesia	6 plants.		Area bounded by Thomas Road in the N, Kwinana freeway in the W and Mortimer Road in the S, c. 30 km S of Perth CBD	GPS	1	25/10/2010

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
34427	1969528	19272	<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>	2	Dwarf, caespitose shrub 15 cm tall, flowers green-white.	Yellow sand.	In open low woodland A with Jarrah and Banksia.			Cardup Nature Reserve	AUTO	3	21/09/1988
34429	4497686	19272	<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>	2	Tufted perennial herb.	Soil: Grey sand. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Bassendean sands.	Vegetation: Kunzea ericifolia Scrub over Pericalymma ellipticum Open Low Scrub B over mixed Open Herbs.			Remnant vegetation on Lowlands property (M103) 9 km WNW of Serpentine (adj. to plot low09a).	GPS	1	13/08/1992
34430	4497880	19272	<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>	2	Tufted perennial herb.	Soil: Grey white sand. Topography/drainage: Well drained flat. Geomorphology: Bassendean sands.	Vegetation: Eucalyptus marginata Forest over Melaluca preissiana Low Forest A over Chaemascilla corymbosa, Dasypogon bromilifolius Open Herbs over Loxocarya fascicularis, Hypolaena exsulca Very Open Low Sedges.			Remnant vegetation on Lowlands property (M103) 9 km WNW of Serpentine (plot low06b).	GPS	1	12/09/1992
34436	1969625	19272	<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>	2						Whitby Falls near Mundijong,	AUTO	3	9/10/1923
36129	4494156	942	<i>Lepidosperma rostratum</i>	T	Erect perennial sedge.	Soil: Grey sand. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain).	Vegetation: Melaluca uncinata Low Scrub B over Leptocarpus spp. Low Sedges.			Forestdale Lake Nature Reserve, S of golf course (plot fl-3).	GPS	1	31/10/1992
36130	4520831	942	<i>Lepidosperma rostratum</i>	T	Erect perennial sedge.	Soil: Grey sand. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain).	Vegetation: Melaluca uncinata Low Scrub B over Leptocarpus spp. Low Sedges.			Forestdale Lake Nature Reserve, S of golf course (plot fl-3).	GPS	1	12/05/1992
36145	8893616	942	<i>Lepidosperma rostratum</i>	T	Perennial herb (sedge).	Seasonally wet poorly drained flat. Orange brown clay.	Melaluca uncinata over Verticordia plumosa over Leptocarpus canus, Chorizandra enodis and Borya scirpoidea over herbs.		Vegetation condition: very good to good. 10-30 % cover of Babiana angustifolia. Claypan TEC, communities 7 & 8.	Plot Mud 09. Roadside remnant Mundijong Road, 2 km W of Mundijong	GPS	1	5/11/2012
36146	8893594	942	<i>Lepidosperma rostratum</i>	T	Perennial herb to 40 cm.	Seasonally wet poorly drained flat. Brown clay.	Melaluca uncinata over Chorizandra enodis, Lepyrodia macra, Tribonanthes australis.		Vegetation condition: very good. Claypan TEC, communities 7 & 8.	Plot Mud 02. Roadside remnant Mundijong Road, W of Kargotich Road	GPS	1	18/09/2013
38010	8893217	33638	<i>Meionectes tenuifolia</i>	3	Annual semi aquatic herb.	Seasonally wet poorly drained flat. Grey sand.	Melaluca uncinata, Verticordia plumosa over Leptocarpus canus and Apodasmia ceramophila.		Vegetation condition: excellent. Claypan TEC, communities 7 & 8.	Plot FI 03. Forestdale Lake Nature Reserve, S of golf course	GPS	1	31/10/2013
44086	8893462	980	<i>Schoenus capillifolius</i>	3	Annual herb (sedge).	Seasonally wet poorly drained flat. Brown clay.	Melaluca acutifolia over Leptocarpus decipiens, Apodasmia ceramophila over rich herb layer.		Vegetation condition: very good. Claypan TEC, communities 7 & 8.	Plot Mud 03. Roadside remnant Mundijong Road, W of Kargotich Road	GPS	1	1/11/2013
44201	2239094	1008	<i>Schoenus pennisetis</i>	3	Annual herb to 15 cm high, stems slender, green. Leaf sheaths reddish.	Damp depression, sand and clay.	Cleared break on edge of Pericalymma ellipticum dense low heath C.			Track along E boundary of Geoff Brickwood Reserve, 0.9 km SSW of Byford, adjacent to Soldier's road, just N of small creek	MAN	0	27/11/1990

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
44237	2239086	1008	Schoenus pennisetis	3	Annual herb, stems and leaf sheaths reddish. Spikelets purple to black. Nut smooth.	On cleared track, sandy clay, flat.	With other herbs and grasses.			Between Turner road and Mead Street on track past Aged Peoples Home, 500 m SW of Byford	MAN	0	27/11/1990
44318	8893225	17731	Schoenus sp. Waroona (G.J. Keighery 12235)	3	Annual herb (sedge).	Seasonally wet poorly drained flat. Brown clay.	Melaleuca acutifolia over Leptocarpus decipiens, Apodasmia ceramophila over rich herb layer.		Vegetation condition: very good. Claypan TEC, communities 7 & 8.	Plot Mud 03. Roadside remnant Mundijong Road, W of Kargotich Road	GPS	1	5/11/2012
46148	8893349	18564	Stylidium aceratum	3	Annual herb.	Seasonally wet poorly drained flat. Brown clay.	Viminaria juncea over Jacksonia sternbergiana, Hakea trifurcata, Hypocalymma angustifolium over Cyathochaeta avenacea, Mesomelaena tetragona over a rich herb layer.		Vegetation condition: very good. Claypan TEC, communities 7 & 8.	Plot Mud 06. Roadside remnant Mundijong Road, 3 km W of Mundijong	GPS	1	1/11/2013
46661	7746865	17850	Stylidium ireneae	4						Kwinana	UNK	3	2/12/2004
47011	7332416	25800	Stylidium paludicola	3	Small herb to 400 mm high. Just finished flowering.	Gentle slope with a south east aspect. Surface soil is a very dark brown sandy loam and the subsurface soil is a very dark brown sandy loam/loam. Wetland - winter wet. Litter cover 90% with 10% bare ground.	Melaleuca preissiana woodland over Astartea scoparia open heath over Lepidosperma longitudinale open sedgeland.	occasional.		Miyak Court, Anketell	GPS	1	7/12/2005
47012	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.		Robinson Road, Wandii	GPS	1	22/11/2005
48892	5140056	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Erect clumping herb 500 mm high x 200 mm wide. Deeply divided leaves. Flowers small, tubular, yellow along inflorescence above leaves.	Flat, litter yellow sand. Bassendean sand / Ridgehill shelf.	Woodland, Jarrah, Marri.		Abundance: frequent.	Brandale Park, Whitby,	MAN	0	19/08/1997
48893	5125820	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Stems clumped, flowers mid-yellow.	In sandy loam.	In Jarrah - Marri woodland on road verges.			Just N of Mundijong, in Paterson Road,	MAN	0	25/10/1993
48897	7463723	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Clumped sub-shrub. Inflorescences greatly exceeding leaves; mid to late flowering stage with numerous fruits on plant. Flowers dorsiventrally compressed; stigma lunate. Thinner leaf lobes than RB 1116.	Brown, moist clay loam. Area between road and rail.	Shrubland with Xanthorrhoea preissii, Kingia australis, Dryandra nivea, Conospermum huegelii, Synaphea petiolaris, Mesomelaena tetragona, Gompholobium marginatum, Conostylis, Laxmannia, Drosera, Restionaceae spp. and weeds - Aira cupaniana, Ursinia anthe	infrequent.		4.65 km S of Abernathy Road rail crossing on Soldiers Road, S of Cardup siding	GPS	3	29/10/2003

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
48898	7463758	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Large leaves with oblanceolate ultimate lobes. Flowers glabrous, dorsiventrally compressed.	Flora Road reserve. Moist brown clay loam.	Open Hakea and Melaleuca shrubland on edge of Corymbia calophylla remnant woodland. Associated species: Synaphea petiolaris (RB 1075), S. sp. Serpentine (G.R. Brand 103) (RB 1076), 3 x Verticordia spp., Pimelea, Xanthorrhoea preissii, Kingia australis, C	scattered.		2.1 km W of rail crossing at Mundijong on Mundijong Road; W of Mundijong	GPS	3	18/10/2003
48907	7463871	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Clumped sub-shrub. Leaves variable in length across population but ultimate lobes always oblanceolate. Leaves frequently folded. Inflorescences greatly exceeding leaves. Flowers dorsiventrally compressed. Fruits coarse, no well defined neck.	Brown, moist clay loam. Area between road and rail.	Shrubland with Xanthorrhoea preissii, Kingia australis, Dryandra nivea, Conospermum huegelii, Synaphea petiolaris, Mesomelaena tetragona, Gompholobium marginatum, Conostylis, Laxmannia, Drosera, Restionaceae spp. and weeds - Aira cupaniana, Ursinia anthe	infrequent.		4.65 km S of Abernathy Road rail crossing on Soldiers Road, S of Cardup siding	GPS	1	29/10/2003
48909	7463693	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Shrub 80 cm x 1 m. Flowers opening narrowly. Stigma transversely lunate. Inflorescence greatly exceeding leaves. Leaves with oblanceolate ultimate lobes.	Seasonally wet area. Brown loam.	Shrubland. Sedges, grasses, Xanthorrhoea, Allocasuarina, Jacksonia, Calothamnus.	infrequent, 5 plants seen.		Mundijong Road, 2 km W of South West Highway	TOPO	3	26/10/1999
48937	9068546	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Small shrub to 30 cm. Flowers yellow and fruit green.	Flat. Grey sand with small amount of gravel.	Open forest of Corymbia calophylla; over tall shrubland Allocasuarina fraseriana, Callitris pyramidalis, Regelia ciliata, Kunzea glabrescens, Jacksonia sternbergiana; over open shrubland of Xanthorrhoea preissii, Adenanthos meisneri and Allocasuarina hum	locally common (small area).		Within railway reserve, E of Paterson Street, W of the railway, 240 m S of Keirnan Road, Mundijong	GPS	1	12/10/2012
48938	9068589	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	Small shrub to 30 cm. Flowers yellow, fruit green.	Flat. Brown clay loam with 30-50% laterite gravel.	Low open woodland of Corymbia calophylla; over shrubland of Banksia sessilis, Allocasuarina humilis, Xanthorrhoea preissii and Kingia australis; over open herbland of Laxmannia sessiliflora, Borya sphaerocephala, Ptilotus manglesii and Johnsonia pubescen	locally common.	Plants occur from 27 - 180 m N of Norman Road.	Within the railway reserve, E of Soldiers Road, 180 m N of Normal Road, Cardup	GPS	1	12/10/2012
48948	5298911	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Compact, 45 cm high x 50 cm wide. Flowers yellow. Growth phase: active.	Brown loam. Swamp.		occasional, 21 plants.	80+% of population flowering.	W of Byford, 1 km W along Abernethy Road from junction with Hopkinson Road	GPS	1	22/09/1998

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
48951	4923022	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Decumbent shrub.	Orange brown clay. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Guildford formation (pinjarra plain).	Melalueca uncinata Open Scrub over Verticordia plumosa Dwarf Scrub D over mixed Open Herbs over Leptocarpus canus, Chorizandra enodes Open Low Sedges.			Roadside remnant Mundijong Rd, 2 km W of Mundijong (adj. to plot mud-9)	GPS	1	7/08/1992
48952	5297133	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T		Brown sandy clay.				1.3 km W of Mundijong along Watkins Road,	GPS	1	21/09/1998
48955	4622316	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Low shrub 20 cm high x 50 cm wide, flowers yellow.	Pinjarra Plain, sumpland. Red brown loam.	Marri Woodland with Eucalyptus calophylla, Phyllanthus calycinus, Mesomelaena tetragona.			Bushland at intersection Duckpond and Mundijong Roads	MAN	0	15/08/1991
48957	4931017	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Erect, open shrub 40 cm high x 40 cm wide. Fruit.	Wetland. Seasonally moist, littered black clay.	Dense Heath B.	two plants seen.		Mundijong Road, 200 m E of intersection with Kargotich Road	GPS	1	6/11/1997
48973	7469179	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T		Flat land opposite seasonally wet nature reserve. Brown loam.	Corymbia calophylla roadside remnant with shrub understorey comprising Allocasuarina humilis, Xanthorrhoea preissii, Dasypogon bromelifolius, Synaphea petiolaris, Synaphea gracillima, Mesomelaena tetragona, Patersonia sp., Conostylis sp., Grevillea sp.,	scarce.		Ca 100 m E of intersection between Tonkin road and Richardson road, opposite Lambkin Nature Reserve, Serpentine	GPS	1	18/10/2003
48974	7463561	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T		Moist, brown, clay-loam.	Flora road. Open Melaleuca and Hakea shrubland on edge of Corymbia calophylla woodland remnant with Xanthorrhoea preissii, Kingia australis, Synaphea sp. Pinjarra Plain (A.S. George 17182), S. petiolaris, 3 x Verticordia spp., Pimelea, Dillwynia, Calotha	scattered.		2.1 km W of rail crossing at Mundijong on Mundijong Road	GPS	1	18/10/2003
48975	7463588	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Erect subshrub. Dark red peduncles. Very sparse pilose hairs petioles.	Rail reserve. Grey-very light brown, sandy loam.	Emergent Corymbia calophylla with understorey of Xanthorrhoea preissii, Kingia australis, Mesomelaena tetragona, Anigozanthos viridis, Synaphea petiolaris, Drosera and weed species Eragrostis curvula, Ehrharta calycina, Briza maxima.	rare in area.		5.25 km S of Abernathy Road rail crossing on Soldiers Road (ca 20 m N of Bishops Road), S of Cardup siding	GPS	1	//
48982	1706683	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	Tufted low shrub to 30 cm, flowers yellow.	Brown sandy clay over granite.	Low open heath.		Abundance: common in area.	5 km E of Byford on Nettleton road	AUTO	3	/08/1984
49618	5039274	1033	Tetralia australiensis	T	Rhizomatous perennial herb 50-70 cm high, 30-40 cm wide.	Gentle slope, winter damp, brown clayey sand.	Eucalyptus calophylla woodland over sedges.	locally common in burnt woodland.	Flowered last summer.	Mundijong townsite, beside Mundijong Road by tennis courts	MAN	0	23/06/1996

FID	Sheet	NameID	Taxon	Cons_ Code	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
49631	8649677	1033	Tetragia australiensis	T	Tufted perennial grass-like sedge. Yellow flowers.	Slope. Dry brown / grey sandy loam.	Corymbia calophylla low woodland over Xanthorrhoea preissii over open low scrubland and / or over low sedgeland. Kingia australis, Jacksonia sternbergiana, Cyathochaeta avenacea, Tetragia octandra, Mesomelaena tetragona, Phlebocarya ciliata, Synaphea sp.	1054 plants.	Area occupied 1000 m x 45 m. Plants in healthy condition but large areas of the habitat highly degraded by weeds. Population 10.	On the S side of Mundijong Road between 800 m E and 1.1 km E of Webb Road	GPS	1	28/10/2009
49640	5899133	1033	Tetragia australiensis	T	Leaves hairy at base. No prominent midrib. No enlargement at base leaves.	Low plain. Moist sand-loam. New highway extension.	Marri/Kingias TEC 3a.	50+ plants.	Condition of population: moderate.	Mundijong Road, Mundijong, 150-250 m E of Webb Road on the southern side of Mundijong Road within flora/road reserve, Serpentine/Jarrahdale Shire,	MAN	3	3/12/2001
49642	4164911	1033	Tetragia australiensis	T	Rhizomatous perennial herb, to 70 cm. In early seed.	Winter wet flats. Grey sand over clay.	Sedgeland and edging Marri woodland.		Abundant in area burnt ca 2 years before.	2 km E of Mundijong	MAN	0	4/01/1993
49649	8124981	1033	Tetragia australiensis	T	Sedge approximately 1 m high with brown flowers.	Very gentle slope with dry clayey sand.	Corymbia calophylla woodland over Xanthorrhoea preissii and Kingia australis over sedges. Associated vegetation include Corymbia calophylla, Kingia australis, Xanthorrhoea preissii, Hibbertia hypericoides, Tetragia octandra, Haemodorum sp., and grassy wee	483 plants (each clump was recorded as an individual plant).	Approximatley half of habitat recently burnt within the last couple of years, but regenerating well.	Mudijong Townsite Lot 232, Mundijong. Population is scattered throughout the remnant vegetation to the S and W of the old tennis courts	GPS	1	9/12/2008
49668	9076492	35581	Tetragia sp. Chandala (G.J. Keighery 17055)	2	Erect sedge, 70 cm high.	Dampland on edge of open water, wetland on plain. Black peat. > 10 years since fire.	Eucalyptus rudis subsp. rudis open forest, over Melaleuca preissiana and M. raphiophylla open woodland, over Taxandria linearifolia scattered tall shrubs, over Cyathochaeta teretifolia high closed sedgeland with Pteridium esculentum high fernland. Assoc		Excellent vegetation condition (low weed cover), though disturbance nearby (transmission lines).	Area bounded by Thomas Road in the N, Kwinana freeway in the W and Mortimer Road in the S, c. 30 km S of Perth CBD	GPS	1	2/11/2010
53051	1057251	14714	Verticordia lindleyi subsp. lindleyi	4	Compact erect shrub, 36 cm high, flowers pink.	Dry summer swamp. Sandy white clay soil.	Heath type.			Abernethy Road, Oakford	MAN	3	23/03/1981
53079	7771789	14714	Verticordia lindleyi subsp. lindleyi	4	Shrub to 1 m. Pink flowers.	In seasonal wetland in sand over solid brown-grey clay.	With Verticordia plumosa var. pleiobotrya, Ursinia anthemoides, Romulea rosea and dense cover of sedges.	occasional.		Abernethy Plot 1 in Bush Forever site, ca 150 m W of Hopkinson Road and 10 m S of Abernethy Road, Oakford	GPS	1	15/11/2007

FID	PopId	NameId	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
914	92883	14932	Acacia lasiocarpa var. bracteolata long peduncle variant (G.J. Keighery 5026)	1		1			Approx. 1.6km E of King Rd on Leipold Rd, between drain and road reserve. (6km WNW of Mundijong).	SWAN COASTAL	LGA			5/08/1982 0:00		MOIST				CLAY_SND		
2459	84412	141	Aponogeton hexatepalus	4		7			ca 250m WNW of Mundijong Rd & Duckpond Rd jnc.	SWAN COASTAL	UNKNOW N			10/08/1992 0:00	Tribonanthes australis, Drosera sp., Stylidium sp., Stylidium utricularioides, Lepyrodia muirii	OD_SWA MP			LOAM	RED	PERMINU N	
2497	84399	141	Aponogeton hexatepalus	4		22			ca 600m S of Orton Rd on Johnson Rd, W side. W side of swamp, almost adj drain on E side.	SWAN COASTAL	NON	UCL		16/09/1993 0:00	Diuris micrantha. Sedges.							
2503	84405	141	Aponogeton hexatepalus	4		28			PRI Lot.200. Duckpond reserve, cnr Duckpond Rd & Mundajiong Rd, Peel Estate.	SWAN COASTAL	PRI			5/11/1997 0:00	DomSp: Triglochin sp.	OD_SWA MP			CLAY	GREY	SEASINUN	
2700	95084	45402	Babingtonia urbana	3		2			Abernethy Rd, Oakford.	SWAN COASTAL	LGA	VER		23/03/1981 0:00	Dry summer swamp. Sandy white clay.					SAND	WHITE	
2702	95086	45402	Babingtonia urbana	3		4			Small linear remnant along Mundijong Rd, ca 2 km W of the intersection with South West Hwy.	SWAN COASTAL	LGA	VER	DRA	20/01/1992 0:00			IRONSTN		CLAY	BROWN	SEASINUN	
4618	84970	1596	Caladenia huegelii	T	CR	9			West of Johnson Road, 200m west and then 120m south of intersection (roundabout) of Holden Close (extension of Orton Road). Opposite Johnson Rd and Orton Rd intersection.	SWAN COASTAL	RDL	UCL		1/10/2004 0:00	Healthy to moderate woodland. Conostylis aculeata, Dasypogon bromelifolius, Stirlingia latifolia, Pimelea	DRY	RI_DUNE		SAND	GREY		
4620	84932	1596	Caladenia huegelii	T	CR	12	X		*Extinct?* 52m W of Freeman Rd, S of swamp near firebreak. (Lot 12?)	SWAN COASTAL	PRI			15/10/1997 0:00	Xanthorrhoea preissii, Patersonia sp., Hibbertia sp., Stirlingia latifolia.	DRY	FL_PLAIN		SAND	GREY		
4640	97279	1596	Caladenia huegelii	T	CR	31	D		Beneath the Cannington to Marriott Transmission Line on the 'Lowlands' Property.	SWAN COASTAL	CC	CFF		23/09/2009 0:00	1001: Medium very sparse woodland; jarrah, with low woodland, banksia and casuarina.	DRY	RIDGE		SAND	WHITE		
4674	97306	1596	Caladenia huegelii	T	CR	59	A		The north western boundary of Wandii Nature Reserve (Reserve No. 36110), within the Town of Kwinana. Approximately 100m NE of 30 Blackboy Grove, Wandii.	SWAN COASTAL	CC	CFF		21/09/2004 0:00	Banksia woodland.		FLAT		SAND	GREY		

FID	PopId	Nameid	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
4675	97307	1596	Caladenia huegelii	T	CR	59	B		Wandi Nature Reserve (Reserve No. 36110), from 30 Blackboy Grove, Wandi head south along Wandi NR boundary fence for ca. 150m, then east ca. 200m (ca. 130m NW of the southern boundary fence).	SWAN COASTAL	CC	CFF		21/09/2004 0:00	Banksia woodland.	DRY	FLAT			SAND	GREY	
4676	97308	1596	Caladenia huegelii	T	CR	59	C		Western boundary of Wandi Nature Reserve (Reserve No. 36110). Halfway down track along W boundary. Approx 320m in from De Haer Rd. ~5m E of track. Town of Kwinana.	SWAN COASTAL	CC	CFF		4/10/2010 0:00	Banksia woodland. *Erharta calycina at densities >70%.	DRY	SLOPE			SAND	WHITE	
4677	97309	1596	Caladenia huegelii	T	CR	59	D		121 De Haer Rd, Wandi. The southern boundary of Wandi Nature Reserve (Reserve No. 36110). Approx 440m SW down De Haer Rd from E corner of Reserve, approx 40m in from Road verge. Within the Town of Kwinana.	SWAN COASTAL	CC	CFF		4/10/2011 0:00	Presence of perennial veldt grass (highly invasive weed species) is the factor downgrading condition from excellent to very good. Intact native species structure and diversity	DRY	SLOPE			SAND	GREY	WLL_DRN D
4678	97310	1596	Caladenia huegelii	T	CR	59	E		Approx 150m SW down De Haer Rd from E corner of Wandi Nature Reserve (Reserve No. 36110). Approx 10m in from Road verge. Within the Town of Kwinana.	SWAN COASTAL	CC	CFF		25/09/2012 0:00		DRY	SLOPE			SAND	GREY	WLL_DRN D
4679	114909	1596	Caladenia huegelii	T	CR	59	F		Crown Reserve (R17957) at intersection between Lyon Rd and De Haer Rd, Wandi. Bush Forever Site No. 347. Plants found in NE Corner of reserve.	SWAN COASTAL	RDL	PAR		25/09/2012 0:00	Located in small patch of excellent bush adjacent to a more disturbed area		HILL			SAND	GREY	WLL_DRN D
4680	97312	1596	Caladenia huegelii	T	CR	60	A		Private Property, 36 (Lot 149) Stefanelli Road, Wandi.	SWAN COASTAL	PRI			11/10/2005 0:00	Banksia Woodland		FLAT			SAND	GREY	

FID	PopId	NameId	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
4681	97313	1596	Caladenia huegelii	T	CR	60	B		Private Property, Lot 51 (previously part of Lot 137 which was subdivided) Rowley Road, Wandj, scattered in bush in southern half of block.	SWAN COASTAL	PRI			11/10/2005 0:00								
4682	97314	1596	Caladenia huegelii	T	CR	60	C		Private Property, Lot 1 (previously pasrt of Lot 132) Wandj Road, Wandj, scattered in bush in northern half of block.	SWAN COASTAL	PRI			16/10/2005 0:00								
4683	106221	1596	Caladenia huegelii	T	CR	60	D		Private Property, Lot 52 (previously part of Lot 137 which was subdivided) Rowley Road, Wandj, scattered in bush in southern half of block.	SWAN COASTAL	PRI			10/10/2005 0:00								
4685	84955	1596	Caladenia huegelii	T	CR	62			Crown Reserve 33002 known as Denis De Young Reserve. Lots 423 and 424, Liddelow Rd, Banjup. Population is on the central western boundary.	SWAN COASTAL	LGA	REC		27/09/2013 0:00	Low Open Forest of Banksia attenuata, B. menziesii, B. ilicifolia, Allocasuarina fraseriana and Nuytsia floribunda over Tall Shrubland of Adenanthos cygnorum and Kunzea glabrescens over Open Low Heath of Xanthorrhoea preissii, Melaleuca thymoides, Calytri	MOIST	FLAT			SAND	GREY	WLL_DRN D
4696	84964	1596	Caladenia huegelii	T	CR	72			Private Property, Lot 3 (54 Oxley Road), Banjup. Ca. 20m S of water tank.	SWAN COASTAL	PRI			19/09/2007 0:00		DRY	FLAT			SAND		
4701	84968	1596	Caladenia huegelii	T	CR	76			Private property. 22 Robinson Rd (Lot 31), Wandj. Remnant bush/garden bed close to house within 1m of driveway. Town of Kwinana.	SWAN COASTAL	PRI			1/10/2009 0:00	Banksia woodland. Kunzea ericifolia, Lepidosperma spp, Xanthorrhoea preissii,	DRY				SAND	GREY	
4703	106981	1596	Caladenia huegelii	T	CR	78	A		Private Property Lot 674 Lyon Road, Wandj. Site is 720m north of Anketell Road. Plant is on the disturbed edge of the eastern firebreak that runs parallel to Lyon Road.	SWAN COASTAL	PRI			25/09/2012 0:00	Tall Open Scrub of Kunzea glabrescens and Adenanthos cygnorum	DRY	SLOPE			SAND	GREY	WLL_DRN D

FID	PopId	Nameid	Taxon	Cons Status	WAR ank	PopN umber	SubP opCo de	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
4704	107683	1596	Caladenia huegelii	T	CR	78	B		Private Property Lot 52 Lyon Road, Wandi. Site is 430m north of Anketell Road. Plants are on the disturbed edge of the eastern firebreak that runs parallel to Lyon Road and approx 20m in the bushland.	SWAN COASTAL	PRI			25/09/2013 0:00								
4706	110509	1596	Caladenia huegelii	T	CR	80			Private property (Lot 25 on Plan 13024). 90 Robinson Rd, Wandj/ 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	PRI			20/10/2011 0:00		MOIST	FLAT		SAND	GREY	WLL_DRN D	
6341	93196	16245	Cyathochaeta teretifolia	3		12			Private Property. Lot 100, Treeby Rd. Anketell. Kwinana.	SWAN COASTAL	PRI			24/10/2007 0:00	Woodland.	INUNDATE	OD_SWA MP		PEAT	BLACK		
6354	93210	16245	Cyathochaeta teretifolia	3		25			Private Property. No. 52 Braddock Rd, Wellard (in possible wetland ca.360m N-NNE of Braddock-Levington Rd intersection - EXTRAPOLATED). Kwinana	SWAN COASTAL	PRI			2/12/2005 0:00			SLOPE		LOAM_SND	BROWN	SEASINUN	
7122	86763	3863	Dillwynia dillwynioides	3		3			N side of Lowlands Rd, at approx 2.25 km W of the junction with Rapids Rd. N of residence.	SWAN COASTAL	PRI			15/06/1994 0:00	Low lying seasonal wetland area.							SEASINUN
7146	86759	3863	Dillwynia dillwynioides	3		25			Lot 1 (Lot No.: 245). Remnant vegetation of Lowlands property (M103) 9 km WNW of Serpentine (plot low08).	SWAN COASTAL	PRI			28/10/1993 0:00			FL_PALU			BROWN	SEASINUN	
7232	101444	12938	Diuris micrantha	T	VU	1	A		UCL, Lot 9206. Johnson Road, Bertram. Population occurs within swamp on western side of Johnson Road approximately 630m south of Holden and Johnson intersection, and approximately 70m west of eastern boundary fence	SWAN COASTAL	NON	UCL		20/09/2010 0:00	[soil type additional]: clay [additional veg class]: open scrub over dense low sedges	DRY	OD_SWA MP		PEAT	BLACK		

FID	PopId	Nameid	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
7233	101445	12938	Diuris micrantha	T	VU	1	B		UCL. Ca 600m S of Orton Rd on Johnson Rd, W side. On W side of drain (previously known as Lot 1201, State Housing Commission).	SWAN COASTAL	NON	UCL		24/09/2002 0:00								
7254	85052	1637	Diuris purdiei	T	EN	5			PP, Lot 112 Jandakot Regional Park. NW side of Thomas Rd, 900m SW of Anketell Rd.	SWAN COASTAL	PRI			14/01/2004 0:00		MOIST	OD_SWAMP			CLAY	GREY	
7311	87256	4763	Dodonaea hackettiana	4		15			Near the Spectacles, Peel Estate. W side of Johnson Rd, 1 km N of Thomas Rd.	SWAN COASTAL	PRI			5/01/1987 0:00			FLAT			SAND		
7319	87263	4763	Dodonaea hackettiana	4		22			NON Lot.459. About 40m S of Ospery Drv & just E of the drain going under Osprey Drv (which is W of Parkes Rd); Yangebup. Beeliar Regional Park.	SWAN COASTAL	NON	UCL		16/10/2003 0:00		DRY	CD_LKBED			SAND	GREY	
7378	97391	1639	Drakaea elastica	T	CR	2	A	X	**Extinct - Cleared for housing** Mandogalup, south west of Perth. 0.8km south of Hope Valley Rd on west side of Treeby Rd, on Lot 33.	SWAN COASTAL	PRI			28/07/2005 0:00	Kunzea ericifolia scrub	DRY	FLAT			SAND	WHITE	
7379	97392	1639	Drakaea elastica	T	CR	2	B	X	**Extinct - cleared for housing** Mandogalup, south west of Perth. 0.8km south of Hope Valley Rd on west side of Treeby Rd, on Lot 34.	SWAN COASTAL	PRI			28/07/2005 0:00	Kunzea ericifolia scrub		FL_PLAIN			SAND	GREY	
7380	97393	1639	Drakaea elastica	T	CR	2	C	X	**Extinct - cleared for housing** Mandogalup, south west of Perth. 0.8km south of Hope Valley Rd on west side of Treeby Rd, on Lot 35.	SWAN COASTAL	PRI			28/07/2005 0:00	Kunzea ericifolia scrub		FL_PLAIN			SAND	GREY	
7386	85084	1639	Drakaea elastica	T	CR	7			200m SW of the Rowley Rd and Nicholson Rd junction. Exact location of population unknown. See other comments.	SWAN COASTAL	PRI			28/07/2005 0:00			FLAT			SAND	GREY	

FID	PopId	NameId	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
7413	85066	1639	Drakaea elastica	T	CR	22			Private Property. W side of South Western Highway, ca 900m S of Norman Road. ~250m W along fenceline & then 150m N. Shire of Serpentine-Jarrahdale	SWAN COASTAL	PRI	UNKN OWN		10/09/2013 0:00	It would be beneficial to survey other open areas for this species within the flowering months as the seed from original pop could have been transferred to these areas. It would also be beneficial to have cages for each plant to allow seed to be produc	MOIST	FLAT	NONE		SAND	GREY	WLL_DRND
7423	85074	1639	Drakaea elastica	T	CR	31			Private Property, Lot 129 Bodeman Road, Wandii. Plants scattered in bush in rear of block near western boundary. Shire of Kwinana.	SWAN COASTAL	PRI			17/08/2010 0:00	Banksia sp., Calothamnus sp., Conostylis sp., grasses (interpreted from photo).		FLAT			SAND	WHITE	
7479	91320	13635	Drakaea micrantha	T	EN	15			PP (Loc 33,37,1 or 2?). SW of Forrestdale. N of Gibbs Rd, ca 500m W of Nicholson Rd. Armadale-Kelmscott.	SWAN COASTAL	PRI			14/11/2002 0:00		MOIST	FL_PLAIN	LATERITE		SAND	WHITE	
7561	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	LGA	REC		6/11/1989 0:00		MOIST	OD_SWAMP			CLAY_SND	GREY	
7576	90832	3115	Drosera occidentalis	4		23			Brickwood Reserve, Byford. Between Soldiers and Turners Rds. N of small creek and 0.9 km SSW of Byford Siding Rd.	SWAN COASTAL	LGA	REC		27/11/1990 0:00	Pericalymma ellipticum low heath D - regenerating.	MOIST	FLAT			CLAY_SND	GREY	
12135	94659	19272	Johnsonia pubescens subsp. cygnorum	2		1			Cardup NR No. 2457, S of Cardup Siding Rd., ca. 3.5km SSW of Byford	SWAN COASTAL	CC	CFF		21/09/1988 0:00	Banksia sp.				SAND	YELLOW		
12138	94662	19272	Johnsonia pubescens subsp. cygnorum	2		4			Remnant vegetation on Lowlands property (M103), N of Lowlands Rd., 7.5 km WNW of Serpentine (adj. to plot low09a)	SWAN COASTAL	PRI			13/08/1992 0:00			FLAT		SAND	GREY	SEASINUN	
12139	94663	19272	Johnsonia pubescens subsp. cygnorum	2		5			Remnant vegetation on Lowlands property (M103), N of Lowlands Rd., 7.5 km WNW of Serpentine (plot low06b)	SWAN COASTAL	PRI			12/08/1992 0:00	Loxocarya fascicularis, Hypolaena exsulca		FLAT		SAND	WHITE		

FID	PopId	NameId	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
12872	111951	942	Lepidosperma rostratum	T	EN	7	A		Road Reserve, Mardella. 26m S of Mundijong Rd and 120m W of Kargotich Rd (plot Mud02). Immediately adjacent to CR 23793 (Govt Requirements) and adjacent to PRI Lot 29 (Plan 3269).	SWAN COASTAL	LGA	VER		18/09/2013 0:00	Melaleuca uncinata shrubland over Chorizandra enodis,	INUNDATE	WETLAND		SCL_LOA M	BROWN	SEASINUN	
12873	115351	942	Lepidosperma rostratum	T	EN	7	B		Gov Requirements Crown Reserve (CR 23793), Lot 1724, Mardella. 23m S of Mundijong Rd and 130m W of Kargotich Rd. Immediately adjacent to Road Reserve.	SWAN COASTAL	RAI	GVT		31/10/2017 0:00	Melaleuca uncinata shrubland over Chorizandra enodis,	INUNDATE	WETLAND		SCL_LOA M	BROWN	SEASINUN	
12874	115269	942	Lepidosperma rostratum	T	EN	8			Government Requirements Crown Reserve (CR 23793), Lot 1724, Cockburn Sound. ~2.2km WSW of Mundijong Town and ~190m W of Pure Steel Lane and Mundijong Rd (LGA Rd) junction.	SWAN COASTAL	RAI	GVT		5/11/2012 0:00	Veg Class 1: Melaleuca uncinata over shrubs, sedges and herbs.	INUNDATE	WETLAND		CLA_LOA M	BROWN	SEASINUN	
15284	84531	1008	Schoenus pennisetis	3		1			Between Turner Rd and Mead St on track past Aged Peoples Home.	SWAN COASTAL	REL	BAP		27/11/1990 0:00	Soil Condition :Saline; On cleared track w. other herbs & grasses		FLAT		SND_CLAY	BROWN		
15285	84532	1008	Schoenus pennisetis	3		2			Brickwood Res.No.17490, adj. to Soldier Rd, track along E boundary of res just N of small creek.	SWAN COASTAL	LGA	REC		27/11/1990 0:00	Damp depression	MOIST	FLAT		CLAY_SND	GREY		
15759	89306	7756	Stylidium longitubum	4		23			PRI Lot.305. Braddock Rd, Wellard.	SWAN COASTAL	PRI			17/11/1995 0:00			SLOPE		LOAM_SND	BROWN	SEASINUN	
16161	107466	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	EN	10			Crown Reserve (R 23793) S of Mundijong Rd, Mardella / Mundijong. 180m W of Pure Steel Lane. 13-34m south of the Mundijong Rd.	SWAN COASTAL	RAI	GVT		9/10/2012 0:00	Woodland of Corymbia calophylla, Nuytsia floribunda, over heath of Xanthorrhoea preissii, Kingia australis, Allocasuarina humilis, Hakea varia, Hypocalumma angustifolium, Calothamnus quadrifidus, Hibbertis hypericoides, over sedgeland of Mesomelaena te	DRY	FLAT		SND_LOA M		WLL_DRN D	

FID	PopId	NameId	Taxon	Cons Status	WAR ank	PopN umber	SubP opCode	PopS tatus	Location	District	Vesting	Purpo se1	Purpo se2	CountDate	HabNotes	SoilCondit	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
16162	107467	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	EN	11			Railway Reserve, E of Paterson St, W of the railway line between 230-380m S of Keirnan St, MUNDIJONG.	SWAN COASTAL	RAI	RRE		12/10/2012 0:00	Open forest of <i>Corymbia calophylla</i> , over Tall shrubland of <i>Allocasuarina fraseriana</i> , <i>Callitris pyramidalis</i> , <i>Regelia ciliata</i> , <i>Kunzea glabrescens</i> , <i>Jacksonia sternbergiana</i> . over Open shrubland of, <i>Xanthorrhoea preisii</i> , <i>Adenanthos meisneri</i> , and <i>Allocasuarina</i>	FLAT			GRVL_10	SAND	GREY	WLL_DRN D
16163	107468	30751	Synaphea sp. Pinjarra Plain (A.S. George 17182)	T	EN	12			Railway Reserve E of Soldiers Rd 180-270m N of Norman Rd, Cardup; west of the railway line	SWAN COASTAL	RAI	RRE		25/10/2012 0:00	Low Open Woodland of <i>Corymbia calophylla</i> , over Shrubland of <i>Banksia sessilis</i> , <i>Allocasuarina humilis</i> , <i>Xanthorrhoea preisii</i> and <i>Kingia australis</i> , over Open Herbland of <i>Laxmannia sessiliflora</i> , <i>Borya sphaerocephala</i> , <i>Ptilotus manglesii</i> and <i>Johnsonia pubescen</i>	DRY	FLAT	LATERITE	GRVL_50	CLA_LOA M	BROWN	WLL_DRN D
16179	107549	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	CR	3			PP Lot 96 Abernethy Rd. Byford, ~840m west of the intersection of Hopkinson and Abernethy Rds. Plants are on the south side of Abernethy Rd just inside the fenceline of Lot 96. and grow on both edges of the firebreak. [lot owned by WAPC]	SWAN COASTAL	PRI			12/01/2012 0:00	Open Shrubland of * <i>Leptospermum laevigatum</i> and occasional <i>Regelia ciliata</i> with <i>Verticordia densiflora</i> var. <i>cespitosa</i> over Dense * <i>Eragrostis curvula</i> . Plants occur in a disturbed embankment on the edge of the firebreak.	DRY	FLAT			SND_LOA M	YELLOW	
16180	107550	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	CR	4			Railway Reserve running along Soldiers Rd Cardup, ~3.3km north of Mundijong/Watkins Rd intersection, Mundijong. Plants are on the east side of Soldiers Rd in the rail reserve ~70m north of Bishop Rd.	SWAN COASTAL	RAI	RRE		19/12/2011 0:00	VEGETATION CLASSIFICATION: Open Woodland of <i>Corymbia calophylla</i> over Open Shrubland of <i>Xanthorrhoea preisii</i> and <i>Kingia australis</i> over Low Shrubland <i>Adenanthos meisneri</i> , <i>Verticordia densiflora</i> var. <i>cespitosa</i> , <i>Synaphea petiolaris</i> , <i>Acacia preissiana</i> , <i>Tri</i>	DRY	FLAT			SND_LOA M	GREY	
16181	107551	28354	Synaphea sp. Serpentine (G.R. Brand 103)	T	CR	5			Crown reserve 23793 on southern side of Mundijong Road, Mundijong. The population occurs between 40m and 170m east of Webb Road	SWAN COASTAL	RAI	GVT		16/12/2012 0:00	Landform 2 - drainage line, seasonally inundated. Historic disturbance. Several drains parallel to the road and significant grass weed invasion, good native diversity. LAST FIRE - 2-3yrs ago -	SL_LO_GE				SND_LOA M	BROWN	WLL_DRN D

APPENDIX 2

Naturemap Report

NatureMap Species Report

Created By Guest user on 30/11/2021

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 115° 54' 38" E, 32° 14' 34" S
Buffer 10km
Group By Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	1455	45166
Other specially protected fauna	3	36
Presumed extinct	1	3
Priority 1	2	3
Priority 2	4	11
Priority 3	21	123
Priority 4	15	336
Protected under international agreement	18	327
Rare or likely to become extinct	26	1026
TOTAL	1545	47031

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Rare or likely to become extinct				
1.	24162 <i>Bettongia penicillata</i> subsp. <i>ogilbyi</i> (Woylie, Brush-tailed Bettong)		T	
2.	24345 <i>Botaurus poiciloptilus</i> (Australasian Bittern)		T	
3.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
4.	1213 <i>Calectasia cyanea</i> (Blue Tinsel Lily)		T	
5.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
6.	24731 <i>Calyptorhynchus banksii</i> subsp. <i>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</i> sp. (white-tailed black cockatoo)		T	
10.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		T	
11.	24092 <i>Dasyurus geoffroi</i> (Chuditch, Western Quoll)		T	
12.	12938 <i>Diuris micrantha</i>		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.	33983 <i>Leioproctus douglasiellus</i> (a short-tongued bee)		T	
17.	942 <i>Lepidosperma rostratum</i>		T	
18.	24146 <i>Myrmecobius fasciatus</i> (Numbat, Walpurti)		T	
19.	33984 <i>Neopasiphae simplicior</i> (a short-tongued bee)		T	
20.	24166 <i>Pseudocheirus occidentalis</i> (Western Ringtail Possum, ngwayir)		T	
21.	24145 <i>Setonix brachyurus</i> (Quokka)		T	
22.	30751 <i>Synaphea</i> sp. Pinjarra Plain (A.S. George 17182)		T	
23.	28354 <i>Synaphea</i> sp. Serpentine (G.R. Brand 103)		T	
24.	1033 <i>Tetraria australiensis</i>		T	
25.	24157 <i>Trichosurus vulpecula</i> subsp. <i>arnhemensis</i> (northern brushtail possum (Kimberley))		T	
26.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
Presumed extinct				
27.	24155 <i>Perameles eremiana</i> (Desert Bandicoot, walilya)		X	
Protected under international agreement				
28.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
29.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
30.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
31.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
32.	24786 <i>Calidris melanotos</i> (Pectoral Sandpiper)		IA	
33.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
34.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
35.	47954 <i>Gelochelidon nilotica</i> (Gull-billed Tern)		IA	
36.	48587 <i>Hydroprogne caspia</i> (Caspian Tern)		IA	
37.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
38.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
39.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
40.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
41.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
42.	24516 <i>Stercorarius longicaudus</i> (long-tailed jaeger, long-tailed skua)		IA	
43.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
44.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
45.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper, little greenshank)		IA	
Other specially protected fauna				
46.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
47.	25508 <i>Phascogale tapoatafa</i> (Brush-tailed Phascogale)		S	
48.	48070 <i>Phascogale tapoatafa</i> subsp. <i>wambenger</i> (South-western Brush-tailed Phascogale, Wambenger)		S	
Priority 1				
49.	14932 <i>Acacia lasiocarpa</i> var. <i>bracteolata</i> long peduncle variant (G.J. Keighery 5026)		P1	
50.	16633 <i>Boronia juncea</i> subsp. <i>juncea</i>		P1	
Priority 2				
51.	19272 <i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		P2	
52.	7675 <i>Levenhookia pulcherrima</i> (Beautiful Stylewort)		P2	
53.	42022 <i>Poranthera moorokatta</i>		P2	
54.	35581 <i>Tetraria</i> sp. <i>Chandala</i> (G.J. Keighery 17055)		P2	
Priority 3				
55.	25242 <i>Acanthophis antarcticus</i> (Southern Death Adder)		P3	
56.	43543 <i>Amanita fibrillopes</i>		P3	
57.	48332 <i>Amanita preissii</i> (Cinnamon-ring Lepidella)		P3	
58.	43542 <i>Amanita wadjukiorum</i>		P3	
59.	7829 <i>Angianthus drummondii</i>		P3	
60.	45402 <i>Babingtonia urbana</i> (Coastal Plain Babingtonia)		P3	
61.	16245 <i>Cyathochaeta teretifolia</i>		P3	
62.	3863 <i>Dillwynia dillwynioides</i>		P3	
63.	41801 <i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		P3	
64.	48935 <i>Idiosoma sigillatum</i> (Swan Coastal Plain shield-backed trapdoor spider)		P3	
65.	20462 <i>Jacksonia gracillima</i>		P3	
66.	25147 <i>Lerista lineata</i> (Perth Slider, Lined Skink)		P3	
67.	33638 <i>Meionectes tenuifolia</i>		P3	
68.	25249 <i>Neelaps calonotos</i> (Black-striped Snake, black-striped burrowing snake)		P3	
69.	24165 <i>Petropseudes dahli</i> (Rock Ringtail Possum, Wogoit)		P3	
70.	8163 <i>Pithocarpa corymbulosa</i> (Corymbose Pithocarpa)		P3	
71.	980 <i>Schoenus capillifolius</i>		P3	
72.	1008 <i>Schoenus pennisetis</i>		P3	
73.	17731 <i>Schoenus</i> sp. <i>Waroona</i> (G.J. Keighery 12235)		P3	
74.	18564 <i>Stylidium aceratum</i>		P3	
75.	25800 <i>Stylidium paludicola</i>		P3	
Priority 4				
76.	141 <i>Aponogeton hexatepalus</i> (Stalked Water Ribbons)		P4	
77.	25035 <i>Ctenotus delli</i> (Dell's skink, Darling Range southwest Ctenotus)		P4	
78.	4763 <i>Dodonaea hackettiana</i> (Hackett's Hopbush)		P4	
79.	3115 <i>Drosera occidentalis</i> (Western Sundew)		P4	
80.	48588 <i>Isoodon fusciventer</i> (Quenda, southwestern brown bandicoot)		P4	
81.	47975 <i>Ixobrychus dubius</i> (Australian Little Bittern)		P4	
82.	48024 <i>Notamacropus eugenii</i> subsp. <i>derbianus</i> (Tammar Wallaby, Tammar)		P4	
83.	48022 <i>Notamacropus irma</i> (Western Brush Wallaby)		P4	
84.	36200 <i>Ornduffia submersa</i>		P4	
85.	24328 <i>Oxyura australis</i> (Blue-billed Duck)		P4	
86.	17850 <i>Stylidium ireneae</i>		P4	
87.	7756 <i>Stylidium longitubum</i> (Jumping Jacks)		P4	
88.	7803 <i>Stylidium striatum</i> (Fan-leaved Triggerplant)		P4	
89.	33992 <i>Synemon gratioiosa</i> (Graceful Sunmoth)		P4	
90.	14714 <i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		P4	
Non-conservation taxon				
91.	? <i>Anigozanthos humilis</i>			
92.	? <i>Amocrinum preissii</i>			
93.	? <i>Austrostipa compressa</i>			
94.	? <i>Austrostipa semibarbata</i>			Y

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
95.	? <i>Briza maxima</i>			
96.	? <i>Burchardia congesta</i>			
97.	? <i>Caladenia discoidea</i>			Y
98.	? <i>Calytrix flavescens</i>			Y
99.	? <i>Calytrix</i> sp.			
100.	? <i>Chamaescilla corymbosa</i>			
101.	? <i>Dasypogon bromeliifolius</i>			Y
102.	? <i>Gonocarpus pithyoides</i>			
103.	? <i>Hibbertia subvaginata</i>			
104.	? <i>Hovea pungens</i>			Y
105.	? <i>Hovea trisperma</i> var. <i>trisperma</i>			
106.	? <i>Hybanthus calycinus</i>			Y
107.	? <i>Hypolaena exsulca</i>			Y
108.	? <i>Kunzea glabrescens</i>			
109.	? <i>Lepidosperma</i> sp.			
110.	? <i>Lepidosperma squamatum</i> s.l.			
111.	? <i>Leucopogon conostephioides</i>			
112.	? <i>Lomandra caespitosa</i>			
113.	? <i>Lotus subbiflorus</i>			
114.	? <i>Lysimachia arvensis</i>			
115.	? <i>Mesomelaena pseudostygia</i>			Y
116.	? <i>Microlaena stipoides</i>			
117.	? <i>Pelargonium capitatum</i>			
118.	? <i>Persoonia saccata</i>			Y
119.	? <i>Phlebocarya ciliata</i>			
120.	? <i>Phlebocarya filifolia</i>			
121.	? <i>Phyllanthus calycinus</i>			Y
122.	? <i>Pterostylis sanguinea</i>			
123.	? <i>Rhodanthe citrina</i>			
124.	? <i>Rytidosperma occidentalis</i>			
125.	? <i>Schoenus curvifolius</i>			Y
126.	? <i>Sowerbaea laxiflora</i>			
127.	? <i>Stylidium repens</i>			
128.	? <i>Stylidium schoenoides</i>			Y
129.	? <i>Vicia sativa</i>			Y
130.	<i>Acacia</i> ? <i>pulchella</i>			
131.	15429 <i>Acacia alata</i> var. <i>alata</i>			
132.	15466 <i>Acacia applanata</i>			
133.	3307 <i>Acacia divergens</i>			
134.	3310 <i>Acacia drewiana</i>			
135.	11926 <i>Acacia drewiana</i> subsp. <i>drewiana</i>			
136.	3374 <i>Acacia huegelii</i>			
137.	3409 <i>Acacia lasiocarpa</i> (<i>Panjang</i>)			
138.	11519 <i>Acacia lasiocarpa</i> var. <i>bracteolata</i>			
139.	3410 <i>Acacia lateriticola</i>			
140.	3442 <i>Acacia microbotrya</i> (<i>Manna Wattle, Kalyang</i>)			
141.	3502 <i>Acacia pulchella</i> (<i>Prickly Moses</i>)			
142.	15481 <i>Acacia pulchella</i> var. <i>glaberrima</i>			
143.	15483 <i>Acacia pulchella</i> var. <i>pulchella</i>			
144.	15480 <i>Acacia pulchella</i> var. <i>reflexa</i>			
145.	3527 <i>Acacia saligna</i> (<i>Orange Wattle, Kudjong</i>)			
146.	30032 <i>Acacia saligna</i> subsp. <i>saligna</i>			
147.	3541 <i>Acacia sessilis</i>			
148.	<i>Acacia</i> sp.			
149.	<i>Acacia</i> sp. F13 seedling			Y
150.	3557 <i>Acacia stenoptera</i> (<i>Narrow Winged Wattle</i>)			
151.	3591 <i>Acacia urophylla</i>			
152.	3602 <i>Acacia willdenowiana</i> (<i>Grass Wattle</i>)			
153.	24260 <i>Acanthiza apicalis</i> (<i>Broad-tailed Thornbill, Inland Thornbill</i>)			
154.	24261 <i>Acanthiza chrysorrhoa</i> (<i>Yellow-rumped Thornbill</i>)			
155.	24262 <i>Acanthiza inornata</i> (<i>Western Thornbill</i>)			
156.	24265 <i>Acanthiza uropygialis</i> (<i>Chestnut-rumped Thornbill</i>)			
157.	24560 <i>Acanthorhynchus superciliosus</i> (<i>Western Spinebill</i>)			
158.	25535 <i>Accipiter cirrocephalus</i> (<i>Collared Sparrowhawk</i>)			
159.	24281 <i>Accipiter cirrocephalus</i> subsp. <i>cirrocephalus</i> (<i>Collared Sparrowhawk</i>)			
160.	25536 <i>Accipiter fasciatus</i> (<i>Brown Goshawk</i>)			
161.	24282 <i>Accipiter fasciatus</i> subsp. <i>fasciatus</i> (<i>Brown Goshawk</i>)			
162.	42368 <i>Acritoscincus trilineatus</i> (<i>Western Three-lined Skink</i>)			
163.	25755 <i>Acrocephalus australis</i> (<i>Australian Reed Warbler</i>)			
164.	6203 <i>Actinotus glomeratus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
165.	6205 <i>Actinotus leucocephalus</i> (Flannel Flower)			
166.	1775 <i>Adenanthos cygnorum</i> (Common Woollybush)			
167.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
168.	1790 <i>Adenanthos meisneri</i>			
169.	1791 <i>Adenanthos obovatus</i> (Basket Flower)			
170.	<i>Afraflacilla huntorum</i>			Y
171.	23474 <i>Agrostocrinum hirsutum</i>			
172.	1261 <i>Agrostocrinum scabrum</i> (Blue Grass Lily)			
173.	184 <i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
174.	<i>Aira caryophyllea/cupaniana</i> group			
175.	185 <i>Aira cupaniana</i> (Silvery Hairgrass)	Y		
176.	187 <i>Aira praecox</i> (Early Hairgrass)	Y		
177.	48513 <i>Aizoon pubescens</i>	Y		
178.	<i>Aleurina ferruginea</i>			
179.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
180.	1732 <i>Allocasuarina humilis</i> (Dwarf Sheoak)			
181.	1734 <i>Allocasuarina microstachya</i>			
182.	1739 <i>Allocasuarina thuyoides</i> (Horned Sheoak)			
183.	<i>Amblyomma triguttatum</i>			
184.	4585 <i>Amperea ericoides</i>			
185.	13380 <i>Amphibromus nervosus</i>			
186.	197 <i>Amphipogon debilis</i>			
187.	198 <i>Amphipogon laguroides</i>			
188.	20184 <i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
189.	200 <i>Amphipogon turbinatus</i>			
190.	13267 <i>Amyema linophylla</i> subsp. <i>linophylla</i>			
191.	2380 <i>Amyema miquelii</i> (Stalked Mistletoe)			
192.	<i>Aname mainae</i>			
193.	<i>Aname tepperi</i>			
194.	1060 <i>Anarthria laevis</i>			
195.	24310 <i>Anas castanea</i> (Chestnut Teal)			
196.	24312 <i>Anas gracilis</i> (Grey Teal)			
197.	<i>Anas platyrhynchos</i> subsp. <i>domesticus</i>			
198.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
199.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
200.	6300 <i>Andersonia aristata</i> (Rice Flower)			
201.	6314 <i>Andersonia lehmanniana</i>			
202.	7833 <i>Angianthus preissianus</i>			
203.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
204.	<i>Anigozanthos ?humilis</i>			
205.	1409 <i>Anigozanthos humilis</i> (Catspaw)			
206.	11434 <i>Anigozanthos humilis</i> subsp. <i>humilis</i>			
207.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
208.	11261 <i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			
209.	29487 <i>Anigozanthos manglesii</i> var. <i>x angustifolius</i>			
210.	1416 <i>Anigozanthos viridis</i> (Green Kangaroo Paw, Kurulbardang)			
211.	11566 <i>Anigozanthos viridis</i> subsp. <i>viridis</i>			
212.	44629 <i>Anillos australis</i>			
213.	<i>Anser anser</i>			
214.	25449 <i>Antechinus flavipes</i> (Yellow-footed Antechinus)			
215.	24088 <i>Antechinus flavipes</i> subsp. <i>leucogaster</i> (Yellow-footed Antechinus, Mardo)			
216.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
217.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
218.	7411 <i>Anthotium humile</i> (Dwarf Anthotium)			
219.	12724 <i>Anthotium junciforme</i>			
220.	202 <i>Anthoxanthum odoratum</i> (Sweet Vernal Grass)	Y		
221.	24599 <i>Anthus australis</i> subsp. <i>australis</i> (Australian Pipit)			
222.	3686 <i>Aotus cordifolia</i>			
223.	3688 <i>Aotus gracillima</i>			
224.	3692 <i>Aotus procumbens</i>			
225.	1117 <i>Aphelia cyperoides</i>			
226.	1118 <i>Aphelia drummondii</i>			
227.	1119 <i>Aphelia nutans</i>			
228.	17845 <i>Apodasmia ceramophila</i>			
229.	24990 <i>Aprasia pulchella</i> (Granite Worm-lizard)			
230.	24991 <i>Aprasia repens</i> (Sand-plain Worm-lizard)			
231.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
232.	<i>Araneus cyphoxis</i>			
233.	<i>Araneus senicaudatus</i>			
234.	7838 <i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
235.	38964 <i>Arcyria cinerea</i>			
236.	38967 <i>Arcyria incarnata</i>			
237.	24337 <i>Ardea garzetta</i> subsp. <i>nigripes</i> (Little Egret)			
238.	25558 <i>Ardea ibis</i> (Cattle Egret)			
239.	41324 <i>Ardea modesta</i> (great egret, white egret)			
240.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
241.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
242.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
243.	<i>Argiophe protensa</i>			
244.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
245.	<i>Aristida</i> sp.			
246.	1264 <i>Arnocrinum preissii</i>			
247.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
248.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
249.	<i>Artoria flavimana</i>			
250.	<i>Artoria linnaei</i>			
251.	<i>Artoriopsis expolita</i>			
252.	<i>Asadipus kunderang</i>			
253.	6580 <i>Asclepias curassavica</i> (Redhead Cottonbush)	Y		
254.	8779 <i>Asparagus asparagoides</i> (Bridal Creeper)	Y		
255.	<i>Astartea</i> aff. <i>fascicularis</i> sthst			
256.	20350 <i>Astartea affinis</i> (West-coast Astartea)			
257.	20249 <i>Astartea leptophylla</i> (River-bank Astartea)			
258.	20283 <i>Astartea scoparia</i> (Common Astartea)			
259.	<i>Asteraceae</i> sp.			
260.	<i>Asterella drummondii</i>			
261.	7851 <i>Asteridea pulverulenta</i> (Common Bristle Daisy)			
262.	6323 <i>Astroloma ciliatum</i> (Candle Cranberry)			
263.	6334 <i>Astroloma pallidum</i> (Kick Bush)			
264.	6337 <i>Astroloma stomarrhena</i> (Red Swamp Cranberry)			
265.	2471 <i>Atriplex prostrata</i> (Hastate Orache)	Y		
266.	<i>Austracantha minax</i>			
267.	47713 <i>Austronomus australis</i> (White-striped Free-tailed Bat)			
268.	<i>Austrostipa</i> ? <i>compressa</i>			
269.	<i>Austrostipa</i> ? <i>semibarbata</i>			Y
270.	17233 <i>Austrostipa campylachne</i>			
271.	17234 <i>Austrostipa compressa</i>			
272.	17240 <i>Austrostipa flavescens</i>			
273.	17245 <i>Austrostipa mollis</i>			
274.	17253 <i>Austrostipa semibarbata</i>			
275.	<i>Austrostipa semibarbata/campylachne</i>			Y
276.	<i>Austrostipa</i> sp.			
277.	17257 <i>Austrostipa variabilis</i>			
278.	233 <i>Avena barbata</i> (Bearded Oat)	Y		
279.	234 <i>Avena fatua</i> (Wild Oat)	Y		
280.	235 <i>Avena sativa</i> (Common Oat)	Y		
281.	24318 <i>Aythya australis</i> (Hardhead)			
282.	42902 <i>Azolla rubra</i>			
283.	18279 <i>Babiana angustifolia</i>	Y		
284.	18280 <i>Babiana nana</i>	Y		
285.	36441 <i>Babingtonia camphorosmae</i> (Camphor Myrtle)			
286.	<i>Backbourkia brounii</i>			
287.	<i>Backbourkia heroine</i>			
288.	38979 <i>Badhamia utricularis</i>			
289.	<i>Ballarra longipalpus</i>			
290.	<i>Banksia</i> ? <i>menziesii</i>			Y
291.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			
292.	32678 <i>Banksia bipinnatifida</i> subsp. <i>bipinnatifida</i>			
293.	32576 <i>Banksia dallanneyi</i> (Couch Honey-pot)			
294.	32580 <i>Banksia dallanneyi</i> subsp. <i>dallanneyi</i> var. <i>dallanneyi</i>			
295.	1819 <i>Banksia grandis</i> (Bull Banksia, Pulgarla)			
296.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
297.	1830 <i>Banksia littoralis</i> (Swamp Banksia, Pungura)			
298.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
299.	32202 <i>Banksia nivea</i> (Honey-pot Dryandra, Pudjarn)			
300.	<i>Banksia</i> sp.			
301.	1852 <i>Banksia telmatiaea</i> (Swamp Fox Banksia)			
302.	32053 <i>Banksia undata</i> (Urchin Dryandra)			
303.	<i>Barnardius zonarius</i>			
304.	739 <i>Baumea acuta</i> (Pale Twig-rush)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
305.	740 <i>Baumea arthrophylla</i>			
306.	743 <i>Baumea juncea</i> (Bare Twigrush)			
307.	748 <i>Baumea vaginalis</i> (Sheath Twigrush)			
308.	5382 <i>Beaufortia elegans</i> (Elegant Beaufortia)			
309.	5387 <i>Beaufortia macrostemon</i> (Darling Range Beaufortia)			
310.	7046 <i>Bellardia trixago</i> (Bellardia)	Y		
311.	48868 <i>Bellardia viscosa</i>	Y		
312.	<i>Bianor maculatus</i>			
313.	25788 <i>Billardiera fraseri</i> (Elegant Pronaya)			
314.	24319 <i>Biziura lobata</i> (Musk Duck)			
315.	1417 <i>Blancoa canescens</i> (Winter Bell)			
316.	749 <i>Bolboschoenus caldwellii</i> (Marsh Club-rush)			
317.	<i>Boletellus obscurecoccineus</i>			
318.	<i>Boletus</i> sp.			
319.	4413 <i>Boronia crenulata</i> (Aniseed Boronia)			
320.	11503 <i>Boronia crenulata</i> subsp. <i>crenulata</i> var. <i>crenulata</i>			
321.	16636 <i>Boronia crenulata</i> subsp. <i>viminea</i>			
322.	4417 <i>Boronia dichotoma</i>			
323.	4420 <i>Boronia fastigiata</i> (Bushy Boronia)			
324.	4429 <i>Boronia molloyae</i> (Tall Boronia)			
325.	11381 <i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
326.	4441 <i>Boronia spathulata</i> (Boronia)			
327.	1272 <i>Borya scirpoidea</i>			
328.	1273 <i>Borya sphaerocephala</i> (Pincushions)			
329.	48782 <i>Bossiaea angustifolia</i>			
330.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
331.	3714 <i>Bossiaea ornata</i> (Broad Leaved Brown Pea)			
332.	10915 <i>Brachychiton populneus</i> (Kurrajong)	Y		
333.	6341 <i>Brachyloma preissii</i> (Globe Heath)			
334.	8661 <i>Brachypodium distachyon</i> (False Brome)	Y		
335.	7867 <i>Brachyscome bellidoides</i>			
336.	7878 <i>Brachyscome iberidifolia</i>			
337.	7883 <i>Brachyscome pusilla</i>			
338.	42381 <i>Brachyurophis semifasciatus</i> (Southern Shovel-nosed Snake)			
339.	3000 <i>Brassica tournefortii</i> (Mediterranean Turnip)	Y		
340.	<i>Briza ?maxima</i>			Y
341.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		
342.	245 <i>Briza minor</i> (Shivery Grass)	Y		
343.	<i>Briza</i> sp.			
344.	249 <i>Bromus diandrus</i> (Great Brome)	Y		
345.	250 <i>Bromus hordeaceus</i> (Soft Brome)	Y		
346.	1366 <i>Bulbine semibarbata</i> (Leek Lily)			
347.	1383 <i>Burchardia bairdiae</i>			
348.	12770 <i>Burchardia congesta</i>			
349.	1385 <i>Burchardia multiflora</i> (Dwarf Burchardia)			
350.	25713 <i>Cacatua galerita</i> (Sulphur-crested Cockatoo)			
351.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
352.	25715 <i>Cacatua roseicapilla</i> (Galah)			
353.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
354.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
355.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
356.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
357.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
358.	1277 <i>Caesia occidentalis</i>			
359.	<i>Caesia</i> sp.			
360.	<i>Caladenia ?flava</i>			
361.	15330 <i>Caladenia arenicola</i>			
362.	11136 <i>Caladenia denticulata</i>			
363.	1586 <i>Caladenia discoidea</i> (Dancing Orchid)			
364.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
365.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
366.	1599 <i>Caladenia latifolia</i> (Pink Fairy Orchid)			
367.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
368.	1605 <i>Caladenia marginata</i> (White Fairy Orchid)			
369.	17760 <i>Caladenia nobilis</i>			
370.	15503 <i>Caladenia paludosa</i>			
371.	1613 <i>Caladenia reptans</i> (Little Pink Fairy Orchid)			
372.	15379 <i>Caladenia serotina</i>			
373.	<i>Caladenia</i> sp.			
374.	2848 <i>Calandrinia corrigioloides</i> (Strap Purslane)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
375.	2854 <i>Calandrinia granulifera</i> (Pygmy Purslane)			
376.	16365 <i>Calandrinia</i> sp. Kenwick (G.J. Keighery 10905)			
377.	1214 <i>Calectasia grandiflora</i> (Blue Tinsel Lily)			
378.	19309 <i>Calectasia narragara</i>			
379.	36600 <i>Callitris pyramidalis</i> (Swamp Cypress)			
380.	5411 <i>Calothamnus hirsutus</i>			
381.	5415 <i>Calothamnus lateralis</i>			
382.	35797 <i>Calothamnus lateralis</i> var. <i>lateralis</i>			
383.	35816 <i>Calothamnus quadrifidus</i> subsp. <i>quadrifidus</i>			
384.	25717 <i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
385.	5439 <i>Calytrix angulata</i> (Yellow Starflower)			
386.	5441 <i>Calytrix aurea</i>			
387.	5458 <i>Calytrix flavescens</i> (Summer Starflower)			
388.	5460 <i>Calytrix fraseri</i> (Pink Summer Calytrix)			
389.	5476 <i>Calytrix sapphirina</i>			
390.	38767 <i>Campanella gregaria</i>			
391.	2795 <i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
392.	1162 <i>Cartonema philydroides</i>			
393.	2951 <i>Cassytha flava</i> (Dodder Laurel)			
394.	2952 <i>Cassytha glabella</i> (Tangled Dodder Laurel)			
395.	2954 <i>Cassytha micrantha</i>			
396.	2957 <i>Cassytha racemosa</i> (Dodder Laurel)			
397.	11242 <i>Cassytha racemosa</i> forma <i>pilosa</i>			
398.	11799 <i>Cassytha racemosa</i> forma <i>racemosa</i>			
399.	18321 <i>Casuarina glauca</i>	Y		
400.	1742 <i>Casuarina obesa</i> (Swamp Sheoak, Kuli)			
401.	6539 <i>Centaurium erythraea</i> (Common Centaury)	Y		
402.	6542 <i>Centaurium tenuiflorum</i>	Y		
403.	6214 <i>Centella asiatica</i>			
404.	1121 <i>Centrolepis aristata</i> (Pointed Centrolepis)			
405.	1123 <i>Centrolepis caespitosa</i>			
406.	1125 <i>Centrolepis drummondiana</i>			
407.	1129 <i>Centrolepis glabra</i> (Smooth Centrolepis)			
408.	1130 <i>Centrolepis humillima</i> (Dwarf Centrolepis)			
409.	1131 <i>Centrolepis inconspicua</i>			
410.	1132 <i>Centrolepis mutica</i>			
411.	1134 <i>Centrolepis polygyna</i> (Wiry Centrolepis)			
412.	2889 <i>Cerastium glomeratum</i> (Mouse Ear Chickweed)	Y		
413.	<i>Cercophonius sulcatus</i>			
414.	<i>Cethegus fugax</i>			
415.	17685 <i>Chaetanthus aristatus</i>			
416.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
417.	18156 <i>Chamaecytisus palmensis</i> (Tagasaste)	Y		
418.	1280 <i>Chamaescilla corymbosa</i> (Blue Squill)			
419.	11299 <i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>			
420.	5498 <i>Chamelaucium uncinatum</i> (Geraldton Wax)			
421.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
422.	31 <i>Cheilanthes austrotenuifolia</i>			
423.	43380 <i>Chelodina colliei</i> (South-western Snake-necked Turtle)			
424.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
425.	2490 <i>Chenopodium glaucum</i> (Glaucous Goosefoot)	Y		
426.	47909 <i>Cheramoeca leucosterna</i> (White-backed Swallow)			
427.	<i>Cherax destructor</i>			
428.	<i>Cherax preissii</i>			
429.	<i>Cherax</i> sp.			
430.	267 <i>Chloris gayana</i> (Rhodes Grass)	Y		
431.	17706 <i>Chordifex sinuosus</i>			
432.	763 <i>Chorizandra enodis</i> (Black Bristlerush)			
433.	8971 <i>Chorizema cordatum</i>			
434.	3753 <i>Chorizema dicksonii</i> (Yellow-eyed Flame Pea)			
435.	3761 <i>Chorizema rhombeum</i>			
436.	24980 <i>Christinus marmoratus</i> (Marbled Gecko)			
437.	<i>Chroicocephalus novaehollandiae</i>			
438.	11900 <i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i>	Y		
439.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
440.	25601 <i>Chrysococcyx lucidus</i> (Shining Bronze Cuckoo)			
441.	6543 <i>Cicendia filiformis</i> (Slender Cicendia)	Y		
442.	24288 <i>Circus approximans</i> (Swamp Harrier)			
443.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
444.	7937 <i>Cirsium vulgare</i> (Spear Thistle, Scotch Thistle)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
445.	28208 <i>Cladonia cervicornis</i> subsp. <i>verticillata</i>			
446.	24774 <i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
447.	25675 <i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
448.	24613 <i>Colluricincla harmonica</i> subsp. <i>rufiventris</i> (Grey Shrike-thrush)			
449.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
450.	4550 <i>Comesperma calymega</i> (Blue-spike Milkwort)			
451.	4551 <i>Comesperma ciliatum</i>			
452.	4555 <i>Comesperma integerrimum</i>			
453.	<i>Comesperma</i> sp. FL-3 (too young to be id)			Y
454.	4564 <i>Comesperma virgatum</i> (Milkwort)			
455.	1882 <i>Conospermum stoechadis</i> (Common Smokebush)			
456.	15611 <i>Conospermum stoechadis</i> subsp. <i>stoechadis</i> (Common Smokebush)			
457.	6348 <i>Conostephium pendulum</i> (Pearl Flower)			
458.	6349 <i>Conostephium preissii</i>			
459.	<i>Conostylis ?juncea</i>			Y
460.	1418 <i>Conostylis aculeata</i> (Prickly Conostylis)			
461.	11826 <i>Conostylis aculeata</i> subsp. <i>aculeata</i>			
462.	12109 <i>Conostylis aculeata</i> subsp. <i>preissii</i>			
463.	1423 <i>Conostylis aurea</i> (Golden Conostylis)			
464.	1436 <i>Conostylis juncea</i>			
465.	1454 <i>Conostylis setigera</i> (Bristly Cottonhead)			
466.	11597 <i>Conostylis setigera</i> subsp. <i>setigera</i>			
467.	1455 <i>Conostylis setosa</i> (White Cottonhead)			
468.	<i>Conyza ?bonariensis</i>			
469.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
470.	7941 <i>Conyza parva</i>	Y		
471.	<i>Conyza</i> sp.			
472.	<i>Conyza</i> sp. Mud07			Y
473.	20074 <i>Conyza sumatrensis</i>	Y		
474.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
475.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
476.	<i>Cormocephalus aurantiipes</i>			
477.	<i>Cormocephalus hartmeyeri</i>			
478.	<i>Cormocephalus novaehollandiae</i>			
479.	<i>Cortinarius australiensis</i>			
480.	38776 <i>Cortinarius phalarus</i>			
481.	25592 <i>Corvus coronoides</i> (Australian Raven)			
482.	24417 <i>Corvus coronoides</i> subsp. <i>perplexus</i> (Australian Raven)			
483.	25593 <i>Corvus orru</i> (Torresian Crow)			
484.	24419 <i>Corvus splendens</i> (House Crow)			
485.	17104 <i>Corymbia calophylla</i> (Marri)			
486.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
487.	7945 <i>Cotula coronopifolia</i> (Waterbuttons)	Y		
488.	7946 <i>Cotula cotuloides</i> (Smooth Cotula)			
489.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
490.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
491.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
492.	24422 <i>Cracticus tibicen</i> subsp. <i>dorsalis</i> (White-backed Magpie)			
493.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
494.	3136 <i>Crassula alata</i>	Y		
495.	17701 <i>Crassula closiana</i>			
496.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
497.	11563 <i>Crassula colorata</i> var. <i>colorata</i>			
498.	3138 <i>Crassula decumbens</i> (Rufous Stonecrop)			
499.	3144 <i>Crassula peduncularis</i> (Purple Stonecrop)			
500.	29054 <i>Crepis foetida</i> subsp. <i>foetida</i> (Stinking Hawksbeard)	Y		
501.	25398 <i>Crinia georgiana</i> (Quacking Frog)			
502.	25399 <i>Crinia glauerti</i> (Clicking Frog)			
503.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
504.	35838 <i>Cristonia biloba</i> subsp. <i>biloba</i>			
505.	30893 <i>Cryptoblepharus buchananii</i>			
506.	1627 <i>Cryptostylis ovata</i> (Slipper Orchid)			
507.	30899 <i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
508.	25027 <i>Ctenotus australis</i>			
509.	25039 <i>Ctenotus fallens</i>			
510.	25047 <i>Ctenotus impar</i>			
511.	25049 <i>Ctenotus labillardieri</i>			
512.	6663 <i>Cuscuta epithymum</i> (Lesser Dodder, Greater Dodder)	Y		
513.	768 <i>Cyathochaeta avenacea</i>			
514.	<i>Cyclosa trilobata</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
515.	40661 <i>Cyanogeton lineare</i>			
516.	24322 <i>Cygnus atratus</i> (Black Swan)			
517.	24323 <i>Cygnus olor</i> (Mute Swan)	Y		
518.	283 <i>Cynodon dactylon</i> (Couch)	Y		
519.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
520.	806 <i>Cyperus polystachyos</i> (Bunchy Sedge)			
521.	815 <i>Cyperus tenellus</i> (Tiny Flatsedge)	Y		
522.	10916 <i>Cyrtostylis huegelii</i>			
523.	10964 <i>Cyrtostylis robusta</i>			
524.	17692 <i>Cytogonidium leptocarpoides</i>			
525.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
526.	38781 <i>Dacryopinax spathularia</i>			
527.	7420 <i>Dampiera alata</i> (Winged-stem Dampiera)			
528.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
529.	7462 <i>Dampiera pedunculata</i>			
530.	7484 <i>Dampiera trigona</i> (Angled-stem Dampiera)			
531.	25673 <i>Daphoenositta chrysoptera</i> (Varied Sittella)			
532.	5508 <i>Darwinia citriodora</i> (Lemon-scented Darwinia)			
533.	35618 <i>Darwinia</i> sp. Karonie (K. Newbey 8503)			
534.	5531 <i>Darwinia thymoides</i>			
535.	18193 <i>Darwinia thymoides</i> subsp. <i>thymoides</i>			
536.	1218 <i>Dasypogon bromeliifolius</i> (Pineapple Bush)			
537.	1220 <i>Dasypogon obliquifolius</i>			
538.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
539.	3793 <i>Daviesia angulata</i>			
540.	3805 <i>Daviesia decurrens</i> (Prickly Bitter-pea)			
541.	19747 <i>Daviesia decurrens</i> subsp. <i>decurrens</i>			
542.	3807 <i>Daviesia divaricata</i> (Marno)			
543.	3815 <i>Daviesia horrida</i> (Prickly Bitter-pea)			
544.	16585 <i>Daviesia nudiflora</i> subsp. <i>nudiflora</i>			
545.	3832 <i>Daviesia physodes</i>			
546.	3835 <i>Daviesia preissii</i>			
547.	3845 <i>Daviesia triflora</i>			
548.	25766 <i>Delma fraseri</i> (Fraser's Legless Lizard)			
549.	24999 <i>Delma grayii</i>			
550.	38785 <i>Descomyces angustisporus</i>			
551.	17691 <i>Desmocladius fasciculatus</i>			
552.	16595 <i>Desmocladius flexuosus</i>			
553.	46362 <i>Desmocladius lateriflorus</i>			
554.	299 <i>Deyeuxia quadriseta</i> (Reed Bentgrass)			
555.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
556.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
557.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
558.	306 <i>Dichelachne crinita</i> (Longhair Plumegrass)			
559.	1287 <i>Dichopogon capillipes</i>			
560.	39019 <i>Didymium clavus</i>			Y
561.	17838 <i>Dielsia stenostachya</i>			
562.	<i>Dingosa serrata</i>			
563.	24939 <i>Diplodactylus polyophthalmus</i>			
564.	9027 <i>Diplolaena drummondii</i>			
565.	19649 <i>Disa bracteata</i>	Y		
566.	7054 <i>Dischisma arenarium</i>	Y		
567.	7055 <i>Dischisma capitatum</i> (Woolly-headed Dischisma)	Y		
568.	7961 <i>Dittrichia graveolens</i> (Stinkwort)	Y		
569.	12943 <i>Diuris brumalis</i>			
570.	10791 <i>Diuris carinata</i> (Bee Orchid)			
571.	11049 <i>Diuris corymbosa</i>			
572.	<i>Diuris corymbosa/magnifica</i>			
573.	1632 <i>Diuris emarginata</i> (Tall Donkey Orchid)			
574.	1634 <i>Diuris laxiflora</i> (Bee Orchid)			
575.	1635 <i>Diuris longifolia</i> (Common Donkey Orchid)			
576.	12939 <i>Diuris magnifica</i>			
577.	1640 <i>Drakaea glyptodon</i> (King-in-his-carriage)			
578.	11156 <i>Drakaea livida</i>			
579.	3092 <i>Drosera bulbosa</i> (Red-leaved Sundew)			
580.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			
581.	48747 <i>Drosera geniculata</i>			
582.	3097 <i>Drosera gigantea</i> (Giant Sundew)			
583.	3098 <i>Drosera glanduligera</i> (Pimpernel Sundew)			
584.	3101 <i>Drosera heterophylla</i> (Swamp Rainbow)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
585.	48769 <i>Drosera indumenta</i>			
586.	3105 <i>Drosera leucoblasta</i> (Wheel Sundew)			
587.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
588.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
589.	48710 <i>Drosera micrantha</i>			
590.	3113 <i>Drosera neesii</i> (Jewel Rainbow)			
591.	3114 <i>Drosera nitidula</i> (Shining Sundew)			
592.	13189 <i>Drosera oreopodion</i>			
593.	3118 <i>Drosera pallida</i> (Pale Rainbow)			
594.	29178 <i>Drosera porrecta</i>			
595.	3124 <i>Drosera pulchella</i> (Pretty Sundew)			
596.	8911 <i>Drosera rosulata</i>			
597.	<i>Drosera</i> sp. "climbing"			
598.	49090 <i>Drosera</i> sp. Branched styles (S.C. Coffey 193)			
599.	3131 <i>Drosera stolonifera</i> (Leafy Sundew)			
600.	3133 <i>Drosera subhirtella</i> (Sunny Rainbow)			
601.	3135 <i>Drosera zonaria</i> (Painted Sundew)			
602.	6681 <i>Echium plantagineum</i> (Paterson's Curse)	Y		
603.	25096 <i>Egernia kingii</i> (King's Skink)			
604.	25100 <i>Egernia napoleonis</i>			
605.	<i>Egretta garzetta</i>			
606.	<i>Egretta novaehollandiae</i>			
607.	<i>Ehrlharta ?longiflora</i>			Y
608.	11485 <i>Ehrlharta brevifolia</i> var. <i>cuspidata</i>	Y		
609.	347 <i>Ehrlharta calycina</i> (Perennial Veldt Grass)	Y		
610.	349 <i>Ehrlharta longiflora</i> (Annual Veldt Grass)	Y		
611.	<i>Ehrlharta</i> sp.			
612.	<i>Elanus axillaris</i>			
613.	25540 <i>Elanus caeruleus</i> (Black-shouldered Kite)			
614.	25250 <i>Elapognathus coronatus</i> (Crowned Snake)			
615.	47937 <i>Elsayornis melanops</i> (Black-fronted Dotterel)			
616.	1643 <i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
617.	1644 <i>Elythranthera emarginata</i> (Pink Enamel Orchid)			
618.	<i>Eolophus roseicapillus</i>			
619.	24652 <i>Eopsaltria georgiana</i> (White-breasted Robin)			
620.	1645 <i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
621.	6131 <i>Epilobium billardioreanum</i> (Glabrous Willow Herb)			
622.	11756 <i>Epilobium billardioreanum</i> subsp. <i>cinereum</i> (Variable Willow Herb)			
623.	6132 <i>Epilobium ciliatum</i>	Y		
624.	6133 <i>Epilobium hirtigerum</i> (Hairy Willow Herb)			
625.	24567 <i>Epthianura albifrons</i> (White-fronted Chat)			
626.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
627.	379 <i>Eragrostis elongata</i> (Clustered Lovegrass)			
628.	13949 <i>Eremaea asterocarpa</i>			
629.	13950 <i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
630.	5541 <i>Eremaea pauciflora</i>			
631.	14104 <i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
632.	7189 <i>Eremophila clarkei</i> (Turpentine Bush)			
633.	<i>Eremophila</i> sp.			
634.	1646 <i>Eriochilus dilatatus</i> (White Bunny Orchid)			
635.	15414 <i>Eriochilus helonomos</i>			
636.	15415 <i>Eriochilus scaber</i> subsp. <i>scaber</i>			
637.	<i>Eriophora biapicata</i>			
638.	4332 <i>Erodium botrys</i> (Long Storksbill)	Y		
639.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
640.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
641.	15446 <i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			
642.	24379 <i>Erythronyctes cinctus</i> (Red-kneed Dotterel)			
643.	5659 <i>Eucalyptus gomphocephala</i> (Tuart, Duart)			
644.	48440 <i>Eucalyptus grandis</i>	Y		
645.	5688 <i>Eucalyptus laeliae</i> (Darling Range Ghost Gum)			
646.	5690 <i>Eucalyptus lane-poolei</i> (Salmon White Gum)			
647.	5708 <i>Eucalyptus marginata</i> (Jarrah, Djara)			
648.	13547 <i>Eucalyptus marginata</i> subsp. <i>marginata</i> (Jarrah)			
649.	13548 <i>Eucalyptus marginata</i> subsp. <i>thalassica</i> (Blue-leaved Jarrah)			
650.	5739 <i>Eucalyptus patens</i> (Swan River Blackbutt, Dwuda)			
651.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
652.	13511 <i>Eucalyptus rudis</i> subsp. <i>rudis</i>			
653.	5790 <i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
654.	12906 <i>Eucalyptus wandoo</i> subsp. <i>wandoo</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
655.	3872 <i>Euchilopsis linearis</i> (Swamp Pea)			
656.	15137 <i>Euchiton sphaericus</i>			
657.	<i>Eucyrtops latior</i>			
658.	13753 <i>Euphorbia dallachyana</i>			
659.	20014 <i>Euphorbia hyssopifolia</i>	Y		
660.	29940 <i>Euphorbia maculata</i>	Y		
661.	34757 <i>Euphorbia prostrata</i>	Y		
662.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
663.	3880 <i>Eutaxia virgata</i>			
664.	835 <i>Evandra pauciflora</i>			
665.	25621 <i>Falco berigora</i> (Brown Falcon)			
666.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
667.	24472 <i>Falco cenchroides</i> subsp. <i>cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
668.	25623 <i>Falco longipennis</i> (Australian Hobby)			
669.	24476 <i>Falco subniger</i> (Black Falcon)			
670.	24041 <i>Felis catus</i> (Cat)	Y		
671.	1747 <i>Ficus carica</i> (Common Fig)	Y		
672.	894 <i>Fimbristylis velata</i>			
673.	27748 <i>Flavoparmelia rutidota</i>			
674.	18392 <i>Freesia alba</i> x <i>leichtlinii</i>	Y		
675.	25727 <i>Fulica atra</i> (Eurasian Coot)			
676.	24761 <i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
677.	2969 <i>Fumaria capreolata</i> (Whiteflower Fumitory)	Y		
678.	<i>Fumaria</i> sp.			
679.	907 <i>Gahnia trifida</i> (Coast Saw-sedge)			
680.	7323 <i>Galium murale</i> (Small Goosegrass)	Y		
681.	25729 <i>Gallinula tenebrosa</i> (Dusky Moorhen)			
682.	24763 <i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
683.	25730 <i>Gallirallus philippensis</i> (Buff-banded Rail)			
684.	24765 <i>Gallirallus philippensis</i> subsp. <i>mellori</i> (Buff-banded Rail)			
685.	20247 <i>Gamochoaeta calviceps</i>	Y		
686.	434 <i>Gastridium phleoides</i> (Nitgrass)	Y		
687.	20475 <i>Gastrolobium capitatum</i>			
688.	20473 <i>Gastrolobium ebracteolatum</i>			
689.	3924 <i>Gastrolobium spinosum</i> (Prickly Poison)			
690.	3936 <i>Genista linifolia</i> (Flaxleaf Broom)	Y		
691.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
692.	1518 <i>Gladiolus angustus</i> (Long Tubed Painted Lady)	Y		
693.	1520 <i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
694.	47962 <i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
695.	12624 <i>Gnephosis angianthoides</i>			
696.	7991 <i>Gnephosis drummondii</i>			
697.	6587 <i>Gomphocarpus fruticosus</i> (Narrowleaf Cottonbush)	Y		
698.	3945 <i>Gompholobium aristatum</i>			
699.	10909 <i>Gompholobium confertum</i>			
700.	3950 <i>Gompholobium knightianum</i>			
701.	3951 <i>Gompholobium marginatum</i>			
702.	3954 <i>Gompholobium polymorphum</i>			
703.	3955 <i>Gompholobium preissii</i>			
704.	3957 <i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
705.	16746 <i>Gonocarpus benthamii</i> subsp. <i>benthamii</i>			
706.	6160 <i>Gonocarpus paniculatus</i>			
707.	6161 <i>Gonocarpus pithyoides</i>			
708.	29362 <i>Goodenia coerulea</i>			
709.	12551 <i>Goodenia micrantha</i>			
710.	7538 <i>Goodenia pulchella</i>			
711.	19286 <i>Goodenia pulchella</i> subsp. <i>Coastal Plain A</i> (M. Hislop 634)			
712.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
713.	37500 <i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
714.	14282 <i>Gratiola pubescens</i>			
715.	1964 <i>Grevillea bipinnatifida</i> (Fuchsia Grevillea)			
716.	19628 <i>Grevillea bipinnatifida</i> subsp. <i>bipinnatifida</i>			
717.	13429 <i>Grevillea diversifolia</i> subsp. <i>diversifolia</i>			
718.	2032 <i>Grevillea leucopteris</i> (White Plume Grevillea)			
719.	2066 <i>Grevillea pilulifera</i> (Woolly-flowered Grevillea)			
720.	2080 <i>Grevillea quercifolia</i> (Oak-leaf Grevillea)			
721.	2122 <i>Grevillea wilsonii</i> (Native Fuchsia)			
722.	<i>Gymnopilus allantopus</i>			
723.	2788 <i>Gyrostemon subnudus</i>			
724.	1464 <i>Haemodorum brevisepalum</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
725.	1465 <i>Haemodorum discolor</i>			
726.	1468 <i>Haemodorum laxum</i>			
727.	1472 <i>Haemodorum simplex</i>			
728.	<i>Haemodorum</i> sp.			
729.	1474 <i>Haemodorum sparsiflorum</i>			
730.	1475 <i>Haemodorum spicatum</i> (Mardja)			
731.	438 <i>Hainardia cylindrica</i> (Common Barbgrass)	Y		
732.	2137 <i>Hakea ceratophylla</i> (Horned Leaf Hakea)			
733.	2152 <i>Hakea cyclocarpa</i> (Ramshorn)			
734.	2166 <i>Hakea incrassata</i> (Marble Hakea)			
735.	2175 <i>Hakea lissocarpha</i> (Honey Bush)			
736.	2179 <i>Hakea marginata</i>			
737.	2197 <i>Hakea prostrata</i> (Harsh Hakea)			
738.	2203 <i>Hakea ruscifolia</i> (Candle Hakea)			
739.	2206 <i>Hakea stenocarpa</i> (Narrow-fruited Hakea)			
740.	2212 <i>Hakea sulcata</i> (Furrowed Hakea)			
741.	2214 <i>Hakea trifurcata</i> (Two-leaf Hakea)			
742.	2216 <i>Hakea varia</i> (Variable-leaved Hakea)			
743.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)			
744.	25541 <i>Haliastur indus</i> (Brahminy Kite)			
745.	24295 <i>Haliastur spheonurus</i> (Whistling Kite)			
746.	24296 <i>Hamirostra isura</i> (Square-tailed Kite)			
747.	3961 <i>Hardenbergia comptoniana</i> (Native Wisteria)			
748.	25410 <i>Heleioporus eyrei</i> (Moaning Frog)			
749.	25412 <i>Heleioporus psammophilus</i> (Sand Frog)			
750.	3016 <i>Heliophila pusilla</i>	Y		
751.	6839 <i>Hemiandra pungens</i> (Snakebush)			
752.	38320 <i>Hemiandra</i> sp. Jurien (B.J. Conn & M.E. Tozer BJC 3885)			
753.	25119 <i>Hemiergis quadrilineata</i>			
754.	1293 <i>Hensmania turbinata</i>			
755.	<i>Heurodes turritus</i>			
756.	5108 <i>Hibbertia acerosa</i> (Needle Leaved Guinea Flower)			
757.	5114 <i>Hibbertia commutata</i>			
758.	20051 <i>Hibbertia diamesogenos</i>			
759.	19778 <i>Hibbertia glomerata</i> subsp. <i>darlingensis</i>			
760.	5134 <i>Hibbertia huegelii</i>			
761.	5135 <i>Hibbertia hypericoides</i> (Yellow Buttercups)			
762.	45534 <i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
763.	5154 <i>Hibbertia perfoliata</i>			
764.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
765.	<i>Hibbertia racemosa</i> /subvaginata			Y
766.	5172 <i>Hibbertia stellaris</i> (Orange Stars)			
767.	48381 <i>Hibbertia striata</i>			
768.	5173 <i>Hibbertia subvaginata</i>			
769.	5176 <i>Hibbertia vaginata</i>			
770.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
771.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
772.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
773.	<i>Holasteron perth</i>			
774.	<i>Holconia westralia</i>			
775.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
776.	445 <i>Holcus setiger</i> (Annual Fog)	Y		
777.	<i>Holoplatys dejongi</i>			
778.	6222 <i>Homalosciadium homalocarpum</i>			
779.	5816 <i>Homalospermum firmum</i>			
780.	449 <i>Hordeum leporinum</i> (Barley Grass)	Y		
781.	450 <i>Hordeum marinum</i>	Y		
782.	3964 <i>Hovea chorizemifolia</i> (Holly-leaved Hovea)			
783.	3966 <i>Hovea pungens</i> (Devil's Pins, Puyenak)			
784.	3968 <i>Hovea trisperma</i> (Common Hovea)			
785.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
786.	12741 <i>Hyalosperma cotula</i>			
787.	5216 <i>Hybanthus calycinus</i> (Wild Violet)			
788.	6223 <i>Hydrocotyle alata</i>			
789.	6224 <i>Hydrocotyle blepharocarpa</i>			
790.	6226 <i>Hydrocotyle callicarpa</i> (Small Pennywort)			
791.	6229 <i>Hydrocotyle diantha</i>			
792.	6236 <i>Hydrocotyle pilifera</i>			
793.	6240 <i>Hydrocotyle scutellifera</i>			
794.	5181 <i>Hypericum japonicum</i> (Matted St John's Wort)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
795.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
796.	35070 <i>Hypocalymma angustifolium</i> subsp. Swan Coastal Plain (G.J. Keighery 16777)			
797.	5825 <i>Hypocalymma robustum</i> (Swan River Myrtle)			
798.	8086 <i>Hypochaeris glabra</i> (Smooth Catsear)	Y		
799.	9352 <i>Hypochaeris radicata</i> (Flat Weed, Cats-ear)	Y		
800.	1070 <i>Hypolaena exsulca</i>			
801.	1071 <i>Hypolaena fastigiata</i>			
802.	17841 <i>Hypolaena pubescens</i>			
803.	<i>Idiomata blackwallii</i>			
804.	48508 <i>Inocybe brunneidisca</i>			
805.	40870 <i>Inocybe rufuloides</i>	Y		
806.	<i>Iridaceae</i> sp.			Y
807.	11 <i>Isoetes drummondii</i> (Quillwort)			
808.	910 <i>Isolepis cernua</i> (Nodding Club-rush)			
809.	20200 <i>Isolepis cernua</i> var. <i>setiformis</i>			
810.	912 <i>Isolepis cyperoides</i>			
811.	14540 <i>Isolepis hystrix</i>	Y		
812.	917 <i>Isolepis marginata</i> (Coarse Club-rush)			
813.	919 <i>Isolepis oldfieldiana</i>			
814.	924 <i>Isolepis stellata</i> (Star Club-rush)			
815.	<i>Isopeda leishmanni</i>			
816.	2221 <i>Isopogon asper</i>			
817.	2227 <i>Isopogon divergens</i> (Spreading Coneflower)			
818.	7396 <i>Isotoma hypocrateriformis</i> (Woodbridge Poison)			
819.	3992 <i>Isotropis cuneifolia</i> (Granny Bonnets)			
820.	19700 <i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i>			
821.	8092 <i>Ixiolaena viscosa</i> (Sticky Ixiolaena)			
822.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
823.	4029 <i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
824.	1298 <i>Johnsonia pubescens</i> (Pipe Lily)			
825.	19632 <i>Johnsonia pubescens</i> subsp. <i>pubescens</i>			
826.	1177 <i>Juncus articulatus</i> (Jointed Rush)	Y		
827.	1178 <i>Juncus bufonius</i> (Toad Rush)	Y		
828.	1180 <i>Juncus capitatus</i> (Capitate Rush)	Y		
829.	1184 <i>Juncus holoschoenus</i> (Jointleaf Rush)			
830.	1186 <i>Juncus microcephalus</i>	Y		
831.	1188 <i>Juncus pallidus</i> (Pale Rush)			
832.	1189 <i>Juncus pauciflorus</i> (Loose Flower Rush)			
833.	1190 <i>Juncus planifolius</i> (Broadleaf Rush)			
834.	1195 <i>Juncus subsecundus</i> (Finger Rush)			
835.	4037 <i>Kennedia coccinea</i> (Coral Vine)			
836.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
837.	4045 <i>Kennedia stirlingii</i> (Bushy Kennedia)			
838.	1221 <i>Kingia australis</i> (Kingia, Pulonok)			
839.	5832 <i>Kunzea ericifolia</i> (Spearwood, Pondil)			
840.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
841.	5835 <i>Kunzea micrantha</i>			
842.	17461 <i>Kunzea micrantha</i> subsp. <i>micrantha</i>			
843.	5841 <i>Kunzea recurva</i>			
844.	3669 <i>Labichea punctata</i> (Lance-leaved Cassia)			
845.	<i>Laccaria lateritia</i>			
846.	13562 <i>Lachenalia aloides</i>	Y		
847.	20019 <i>Lachnagrostis filiformis</i>			
848.	19955 <i>Lachnagrostis plebeia</i>			
849.	19956 <i>Lachnagrostis preissii</i>			
850.	8095 <i>Lactuca saligna</i> (Wild Lettuce, Willow-leaf Lettuce)	Y		
851.	8096 <i>Lactuca serriola</i> (Prickly Lettuce)	Y		
852.	18585 <i>Lagenophora huegelii</i>			
853.	467 <i>Lagurus ovatus</i> (Hare's Tail Grass)	Y		
854.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
855.	14083 <i>Lambertia multiflora</i> var. <i>darlingensis</i>			
856.	<i>Lampona cylindrata</i>			
857.	28342 <i>Landoltia punctata</i> (Thin Duckweed)			
858.	24511 <i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
859.	5033 <i>Lasiopetalum floribundum</i> (Free Flowering Lasiopetalum)			
860.	45082 <i>Lasiopetalum glutinosum</i> subsp. <i>latifolium</i>			
861.	4052 <i>Latrobea tenella</i>			
862.	<i>Latrodoctus hasseltii</i>			
863.	1307 <i>Laxmannia ramosa</i> (Branching Lily)			
864.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
865.	11464 <i>Laxmannia sessiliflora</i> subsp. <i>australis</i>			
866.	1309 <i>Laxmannia squarrosa</i>			
867.	7568 <i>Lechenaultia biloba</i> (<i>Blue Leschenaultia</i>)			
868.	7572 <i>Lechenaultia expansa</i>			
869.	7574 <i>Lechenaultia floribunda</i> (<i>Free-flowering Leschenaultia</i>)			
870.	39038 <i>Leocarpus fragilis</i>			
871.	44490 <i>Leontodon rhagadioloides</i>	Y		
872.	1075 <i>Lepidobolus preissianus</i>			
873.	18074 <i>Lepidobolus preissianus</i> subsp. <i>preissianus</i>			
874.	<i>Lepidosperma</i> ?aff. <i>costale</i>			Y
875.	<i>Lepidosperma</i> ?sp. <i>Darling Scarp</i>			
876.	<i>Lepidosperma</i> aff. <i>coastale</i> (#134)			Y
877.	<i>Lepidosperma</i> aff. <i>pubisquameum</i> (#166)			
878.	<i>Lepidosperma</i> aff. <i>resinosum</i>			
879.	925 <i>Lepidosperma angustatum</i>			
880.	929 <i>Lepidosperma carphoides</i> (<i>Black Rapier Sedge</i>)			
881.	930 <i>Lepidosperma costale</i>			
882.	<i>Lepidosperma eastern terete</i> scps (<i>BJK&NG 232</i>)			
883.	932 <i>Lepidosperma effusum</i> (<i>Spreading Sword-sedge</i>)			
884.	936 <i>Lepidosperma leptostachyum</i>			
885.	937 <i>Lepidosperma longitudinale</i> (<i>Pithy Sword-sedge</i>)			
886.	940 <i>Lepidosperma pubisquameum</i>			
887.	<i>Lepidosperma pubisquameum</i> "flat form"			
888.	941 <i>Lepidosperma resinosum</i>			
889.	944 <i>Lepidosperma scabrum</i>			
890.	<i>Lepidosperma scabrum</i> (<i>inland form</i>)			Y
891.	<i>Lepidosperma</i> sp.			
892.	<i>Lepidosperma</i> sp. <i>Baldivis</i>			Y
893.	<i>Lepidosperma</i> sp. <i>Brixton Street broad inflorescence</i>			
894.	<i>Lepidosperma</i> sp. <i>Brixton Street broadish inflorescence</i>			Y
895.	<i>Lepidosperma</i> sp. <i>Brixton Street narrow inflorescence</i>			
896.	<i>Lepidosperma</i> sp. <i>Darling Scarp</i>			
897.	29150 <i>Lepidosperma</i> sp. <i>Margaret River</i> (<i>B.J. Lepschi 1841</i>)			
898.	<i>Lepidosperma</i> sp. <i>Mud3</i>			Y
899.	<i>Lepidosperma</i> sp. <i>terete</i>			
900.	945 <i>Lepidosperma squamatum</i>			
901.	<i>Lepidosperma squamatum</i> s.l.			
902.	946 <i>Lepidosperma striatum</i>			
903.	948 <i>Lepidosperma tetraquetrum</i>			
904.	1653 <i>Leporella fimbriata</i> (<i>Hare Orchid</i>)			
905.	1077 <i>Leptocarpus canus</i> (<i>Hoary Twine-rush</i>)			
906.	1078 <i>Leptocarpus coangustatus</i>			
907.	46375 <i>Leptocarpus decipiens</i>			
908.	46380 <i>Leptocarpus kraussii</i>			
909.	19833 <i>Leptocarpus laxus</i>			
910.	46382 <i>Leptocarpus roycei</i>			
911.	1080 <i>Leptocarpus scariosus</i>			
912.	15418 <i>Leptoceras menziesii</i>			
913.	2344 <i>Leptomeria empetriformis</i>			
914.	2355 <i>Leptomeria squarrolosa</i>			
915.	1085 <i>Lepyrodia glauca</i>			
916.	1088 <i>Lepyrodia macra</i> (<i>Large Scale Rush</i>)			
917.	1090 <i>Lepyrodia muirii</i>			
918.	25131 <i>Lerista distinguenda</i>			
919.	25133 <i>Lerista elegans</i>			
920.	6360 <i>Leucopogon australis</i> (<i>Spiked Beard-heath</i>)			
921.	6367 <i>Leucopogon capitellatus</i>			
922.	6374 <i>Leucopogon conostephioides</i>			
923.	6434 <i>Leucopogon polymorphus</i>			
924.	6436 <i>Leucopogon propinquus</i>			
925.	6439 <i>Leucopogon pulchellus</i> (<i>Beard-heath</i>)			
926.	6445 <i>Leucopogon squarrosus</i>			
927.	6447 <i>Leucopogon strictus</i>			
928.	7676 <i>Levenhookia pusilla</i> (<i>Midget Stylewort</i>)			
929.	<i>Levenhookia pusilla</i> / <i>stipitata</i>			
930.	7677 <i>Levenhookia stipitata</i> (<i>Common Stylewort</i>)			
931.	25005 <i>Lialis burtonis</i>			
932.	31280 <i>Lichenomphalia chromacea</i>			
933.	31333 <i>Lichenomphalia umbellifera</i>			
934.	25661 <i>Lichmera indistincta</i> (<i>Brown Honeyeater</i>)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
935.	25415 <i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
936.	25378 <i>Litoria adelaidensis</i> (Slender Tree Frog)			
937.	25388 <i>Litoria moorei</i> (Motorbike Frog)			
938.	9289 <i>Lobelia anceps</i> (Angled Lobelia)			
939.	7407 <i>Lobelia rhytidosperra</i> (Wrinkled-seeded Lobelia)			
940.	7408 <i>Lobelia tenuior</i> (Slender Lobelia)			
941.	9356 <i>Logfia gallica</i>	Y		
942.	476 <i>Lolium perenne</i> (Perennial Ryegrass)	Y		
943.	478 <i>Lolium rigidum</i> (Wimmera Ryegrass)	Y		
944.	<i>Lolium</i> sp.			
945.	<i>Lolium</i> sp. (annual)			
946.	<i>Lomandra</i> ?caespitosa			
947.	<i>Lomandra</i> ?nigricans			
948.	<i>Lomandra</i> ?preissii			
949.	1222 <i>Lomandra brittaniai</i>			
950.	1223 <i>Lomandra caespitosa</i> (Tufted Mat Rush)			
951.	1228 <i>Lomandra hermaphrodita</i>			
952.	1232 <i>Lomandra micrantha</i> (Small-flower Mat-rush)			
953.	14542 <i>Lomandra micrantha</i> subsp. <i>micrantha</i>			
954.	1234 <i>Lomandra nigricans</i>			
955.	1236 <i>Lomandra odora</i> (Tiered Matrush)			
956.	1239 <i>Lomandra preissii</i>			
957.	1240 <i>Lomandra purpurea</i> (Purple Mat Rush)			
958.	1243 <i>Lomandra sericea</i> (Silky Mat Rush)			
959.	<i>Lomandra</i> sp.			
960.	1246 <i>Lomandra suaveolens</i>			
961.	<i>Lophoictinia isura</i>			
962.	4059 <i>Lotus angustissimus</i> (Narrowleaf Trefoil)	Y		
963.	<i>Lotus</i> sp. <i>Mud3</i>			Y
964.	8564 <i>Lotus subbiflorus</i>	Y		
965.	1092 <i>Loxocarya cinerea</i>			
966.	4065 <i>Lupinus angustifolius</i> (Narrowleaf Lupin)	Y		
967.	1198 <i>Luzula meridionalis</i> (Field Woodrush)			
968.	39048 <i>Lycogala epidendrum</i>			
969.	<i>Lycosa ariadnae</i>			
970.	1097 <i>Lyginia barbata</i>			
971.	<i>Lyginia barbata/imberbis</i>			
972.	18049 <i>Lyginia imberbis</i>			
973.	1656 <i>Lyperanthus serratus</i> (Rattle Beak Orchid)			
974.	36375 <i>Lysimachia arvensis</i> (Pimpernel)	Y		
975.	36373 <i>Lysimachia minima</i>	Y		
976.	6456 <i>Lysinema ciliatum</i> (Curry Flower)			
977.	6458 <i>Lysinema elegans</i>			
978.	34736 <i>Lysinema pentapetalum</i>			
979.	5281 <i>Lythrum hyssopifolia</i> (Lesser Loosestrife)	Y		
980.	2838 <i>Macarthuria apetala</i>			
981.	2839 <i>Macarthuria australis</i>			
982.	24132 <i>Macropus fuliginosus</i> (Western Grey Kangaroo)			
983.	18119 <i>Macrozamia fraseri</i>			
984.	85 <i>Macrozamia riedlei</i> (<i>Zamia</i> , <i>Djiridji</i>)			
985.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
986.	25650 <i>Malurus elegans</i> (Red-winged Fairy-wren)			
987.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
988.	25654 <i>Malurus splendens</i> (Splendid Fairy-wren)			
989.	24552 <i>Malurus splendens</i> subsp. <i>splendens</i> (Splendid Fairy-wren)			
990.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
991.	<i>Maratus pavonis</i>			
992.	<i>Marchantia berteroana</i>			
993.	4079 <i>Medicago polymorpha</i> (Burr Medic)	Y		
994.	25758 <i>Megalurus gramineus</i> (Little Grassbird)			
995.	34676 <i>Meionectes brownii</i> (Swamp Raspwort)			
996.	37580 <i>Melaleuca acutifolia</i>			
997.	36296 <i>Melaleuca armillaris</i> subsp. <i>armillaris</i>	Y		
998.	5881 <i>Melaleuca brevifolia</i>			
999.	5900 <i>Melaleuca cuticularis</i> (Saltwater Paperbark)			
1000.	5921 <i>Melaleuca incana</i> (Grey Honeymyrtle)			
1001.	13273 <i>Melaleuca incana</i> subsp. <i>incana</i>			
1002.	5925 <i>Melaleuca lateriflora</i> (Gorada)			
1003.	5926 <i>Melaleuca lateritia</i> (Robin Redbreast Bush)			
1004.	20297 <i>Melaleuca osullivanii</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1005.	5946 <i>Melaleuca pauciflora</i>			
1006.	5952 <i>Melaleuca preissiana</i> (Moonah)			
1007.	5959 <i>Melaleuca raphiophylla</i> (Swamp Paperbark)			
1008.	5964 <i>Melaleuca serjata</i>			
1009.	5978 <i>Melaleuca teretifolia</i> (Banbar)			
1010.	5980 <i>Melaleuca thymoides</i>			
1011.	5984 <i>Melaleuca uncinata</i> (Broom Bush, Kwidjard)			
1012.	5987 <i>Melaleuca viminea</i> (Mohan)			
1013.	13280 <i>Melaleuca viminea</i> subsp. <i>viminea</i>			
1014.	47997 <i>Melanodryas cucullata</i> (Hooded Robin)			
1015.	4085 <i>Melilotus indicus</i>	Y		
1016.	14985 <i>Melinis repens</i>	Y		
1017.	25663 <i>Melithreptus brevirostris</i> (Brown-headed Honeyeater)			
1018.	25184 <i>Menetia greyii</i>			
1019.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			
1020.	953 <i>Mesomelaena graciliceps</i>			
1021.	955 <i>Mesomelaena pseudostygia</i>			
1022.	956 <i>Mesomelaena stygia</i>			
1023.	957 <i>Mesomelaena tetragona</i> (Semaphore Sedge)			
1024.	<i>Microcarbo melanoleucos</i>			
1025.	25693 <i>Microeca fascinans</i> (Jacky Winter)			
1026.	485 <i>Microlaena stipoides</i> (Weeping Grass)			
1027.	1658 <i>Microtis atrata</i> (Swamp Mignonette Orchid)			
1028.	10954 <i>Microtis media</i> (Tall Mignonette Orchid)			
1029.	15419 <i>Microtis media</i> subsp. <i>media</i>			
1030.	8106 <i>Millotia tenuifolia</i> (Soft Millotia)			
1031.	25542 <i>Milvus migrans</i> (Black Kite)			
1032.	4090 <i>Mirbelia dilatata</i> (Holly-leaved Mirbelia)			
1033.	4100 <i>Mirbelia spinosa</i>			
1034.	7085 <i>Misopates orontium</i> (Lesser Snapdragon)	Y		
1035.	<i>Missulena granulosa</i>			
1036.	7410 <i>Monopsis debilis</i>	Y		
1037.	37440 <i>Monopsis debilis</i> var. <i>depressa</i>	Y		
1038.	4662 <i>Monotaxis grandiflora</i> (Diamond of the Desert)			
1039.	19585 <i>Monotaxis grandiflora</i> var. <i>grandiflora</i>			
1040.	4666 <i>Monotaxis occidentalis</i>			
1041.	19179 <i>Moraea flaccida</i> (One-leaf Cape Tulip)	Y		
1042.	25191 <i>Morethia lineocellata</i>			
1043.	25192 <i>Morethia obscura</i>			
1044.	48008 <i>Morus serrator</i> (Australasian Gannet)			
1045.	24223 <i>Mus musculus</i> (House Mouse)	Y		
1046.	24042 <i>Mustela putorius</i> (European Polecat, Ferret)	Y		
1047.	25610 <i>Myiagra inquieta</i> (Restless Flycatcher)			
1048.	25420 <i>Myobatrachus gouldii</i> (Turtle Frog)			
1049.	8117 <i>Myriocephalus helichrysoides</i>			
1050.	6192 <i>Myriophyllum drummondii</i>			
1051.	<i>Myrtaceae</i> sp.			
1052.	25248 <i>Neelaps bimaculatus</i> (Black-naped Snake)			
1053.	25426 <i>Neobatrachus pelobatoides</i> (Humming Frog)			
1054.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
1055.	<i>Nephila edulis</i>			
1056.	492 <i>Neurachne alopecuroidea</i> (Foxtail Mulga Grass)			
1057.	<i>Nicodamus mainae</i>			
1058.	25252 <i>Notechis scutatus</i> (Tiger Snake)			
1059.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
1060.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
1061.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
1062.	41424 <i>Nyctophilus major</i> (Greater Long-eared Bat)			
1063.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
1064.	<i>Ocrisiona parmeliae</i>			
1065.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
1066.	6137 <i>Oenothera affinis</i> (Longflower Evening Primrose)	Y		
1067.	6140 <i>Oenothera mollissima</i>	Y		
1068.	14292 <i>Oenothera stricta</i> subsp. <i>stricta</i>	Y		
1069.	8133 <i>Olearia elaeophila</i>			
1070.	32716 <i>Olearia lehmanniana</i>			
1071.	<i>Ommatoiulus moreletii</i>			
1072.	18254 <i>Opercularia apiciflora</i>			
1073.	7346 <i>Opercularia echinocephala</i> (Bristly Headed Stink Weed)			
1074.	18255 <i>Opercularia vaginata</i> (Dog Weed)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1075.	12782 <i>Ophioglossum gramineum</i>			
1076.	17 <i>Ophioglossum lusitanicum</i> (Adders Tongue)			
1077.	4113 <i>Ornithopus compressus</i> (Yellow Serradella)	Y		
1078.	4114 <i>Ornithopus pinnatus</i> (Slender Serradella)	Y		
1079.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
1080.	4352 <i>Oxalis glabra</i>	Y		
1081.	4356 <i>Oxalis pes-caprae</i> (Soursob)	Y		
1082.	4358 <i>Oxalis purpurea</i> (Largeflower Wood Sorrel)	Y		
1083.	<i>Oxyopes rubicundus</i>			
1084.	<i>Ozarchaea westraliensis</i>			
1085.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
1086.	24693 <i>Pachyptila desolata</i> (Antarctic Prion)			
1087.	502 <i>Panicum capillare</i> (Witchgrass)	Y		
1088.	27892 <i>Pannoparmelia wilsonii</i>			
1089.	1667 <i>Paracaleana nigrita</i> (Flying Duck Orchid)			
1090.	<i>Paralampona marangaroo</i>			
1091.	516 <i>Parapholis incurva</i> (Coast Barbgrass)	Y		
1092.	3618 <i>Paraserianthes lophantha</i> (Albizia)			
1093.	25253 <i>Parasuta gouldii</i>			
1094.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
1095.	24626 <i>Pardalotus punctatus</i> subsp. <i>xanthopyge</i> (Yellow-rumped Pardalote)			
1096.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
1097.	527 <i>Paspalum dilatatum</i>	Y		
1098.	528 <i>Paspalum distichum</i> (Water Couch)	Y		
1099.	24642 <i>Passer montanus</i> (Eurasian Tree Sparrow)	Y		
1100.	1546 <i>Patersonia juncea</i> (Rush Leaved Patersonia)			
1101.	1550 <i>Patersonia occidentalis</i> (Purple Flag, Koma)			
1102.	30471 <i>Patersonia occidentalis</i> var. <i>angustifolia</i>			
1103.	30472 <i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
1104.	43760 <i>Pauridia occidentalis</i>			
1105.	<i>Pediana occidentalis</i>			
1106.	4343 <i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
1107.	4346 <i>Pelargonium littorale</i>			
1108.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
1109.	40423 <i>Pentameris airoides</i> (False Hairgrass)	Y		
1110.	6245 <i>Pentapeltis peltigera</i>			
1111.	6006 <i>Pericalymma ellipticum</i> (Swamp Teatree)			
1112.	16477 <i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
1113.	16478 <i>Pericalymma ellipticum</i> var. <i>floridum</i>			
1114.	15501 <i>Pericalymma spongiocaula</i>			
1115.	2255 <i>Persoonia angustiflora</i>			
1116.	2273 <i>Persoonia saccata</i> (Snottygobble)			
1117.	27947 <i>Pertusaria gibberosa</i>			
1118.	48060 <i>Petrochelidon ariel</i> (Fairy Martin)			
1119.	48061 <i>Petrochelidon nigricans</i> (Tree Martin)			
1120.	48066 <i>Petroica boodang</i> (Scarlet Robin)			
1121.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
1122.	20391 <i>Petrophile juncifolia</i>			
1123.	2299 <i>Petrophile linearis</i> (Pixie Mops)			
1124.	2301 <i>Petrophile macrostachya</i>			
1125.	2308 <i>Petrophile seminuda</i>			
1126.	2311 <i>Petrophile squamata</i>			
1127.	2312 <i>Petrophile striata</i>			
1128.	19825 <i>Petrohragia dubia</i>	Y		
1129.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
1130.	25698 <i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
1131.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
1132.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
1133.	547 <i>Phalaris angusta</i>	Y		
1134.	552 <i>Phalaris paradoxa</i> (Paradoxa Grass)	Y		
1135.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
1136.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
1137.	18529 <i>Philothea spicata</i> (Pepper and Salt)			
1138.	1172 <i>Philydrella drummondii</i>			
1139.	1173 <i>Philydrella pygmaea</i> (Butterfly Flowers)			
1140.	14306 <i>Philydrella pygmaea</i> subsp. <i>pygmaea</i>			
1141.	<i>Phlebia subceracea</i>			
1142.	1478 <i>Phlebocarya ciliata</i>			
1143.	1479 <i>Phlebocarya filifolia</i>			
1144.	554 <i>Phleum pratense</i> (Timothy)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1145.	<i>Pholiota communis</i>			
1146.	<i>Phryganoporus candidus</i>			
1147.	48071 <i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
1148.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
1149.	16177 <i>Phyllangium paradoxum</i>			
1150.	4675 <i>Phyllanthus calycinus</i> (False Boronia)			
1151.	4 <i>Phylloglossum drummondii</i> (Pigmy Clubmoss)			
1152.	4141 <i>Phyllota gracilis</i>			
1153.	39071 <i>Physarum luteolum</i>			Y
1154.	39079 <i>Physarum viride</i>			
1155.	2793 <i>Phytolacca octandra</i> (Red Ink Plant)	Y		
1156.	<i>Phytophthora cinnamomi</i>			
1157.	78 <i>Pilularia novae-hollandiae</i> (Austral Pillwort)			
1158.	11404 <i>Pimelea imbricata</i> var. <i>major</i>			
1159.	11402 <i>Pimelea imbricata</i> var. <i>piligera</i>			
1160.	5252 <i>Pimelea lanata</i>			
1161.	5254 <i>Pimelea leucantha</i>			
1162.	18117 <i>Pimelea rosea</i> subsp. <i>rosea</i>			
1163.	5266 <i>Pimelea suaveolens</i> (Scented Banjine)			
1164.	12041 <i>Pimelea suaveolens</i> subsp. <i>suaveolens</i>			
1165.	5269 <i>Pimelea sylvestris</i>			
1166.	<i>Pinkfloydia harveii</i>			
1167.	24841 <i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
1168.	24842 <i>Platalea regia</i> (Royal Spoonbill)			
1169.	25720 <i>Platycercus icterotis</i> (Western Rosella)			
1170.	24745 <i>Platycercus icterotis</i> subsp. <i>icterotis</i> (Western Rosella)			
1171.	24747 <i>Platycercus spurius</i> (Red-capped Parrot)			
1172.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
1173.	24750 <i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
1174.	6249 <i>Platysace compressa</i> (Tapeworm Plant)			
1175.	6253 <i>Platysace filiformis</i>			
1176.	25509 <i>Pletholax gracilis</i> (Keeled Legless Lizard)			
1177.	25007 <i>Pletholax gracilis</i> subsp. <i>gracilis</i> (Keeled Legless Lizard)			
1178.	38824 <i>Pleurotus australis</i>			
1179.	<i>Pluteus atomarginatus</i>			
1180.	38825 <i>Pluteus pauperculus</i>			
1181.	573 <i>Poa drummondiana</i> (Knotted Poa)			
1182.	577 <i>Poa poliformis</i> (Coastal Poa)			
1183.	<i>Poaceae</i> sp.			
1184.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
1185.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
1186.	8175 <i>Podolepis gracilis</i> (Slender Podolepis)			
1187.	38826 <i>Podoserpula pusio</i>			
1188.	<i>Podotheca ?gnaphalioides</i>			
1189.	8182 <i>Podotheca angustifolia</i> (Sticky Longheads)			
1190.	8183 <i>Podotheca chrysantha</i> (Yellow Podotheca)			
1191.	8184 <i>Podotheca gnaphalioides</i> (Golden Long-heads)			
1192.	<i>Podotheca</i> sp.			
1193.	25510 <i>Pogona minor</i> (Dwarf Bearded Dragon)			
1194.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
1195.	8188 <i>Pogonolepis stricta</i>			
1196.	24681 <i>Poliocephalus poliocephalus</i> (Hoary-headed Grebe)			
1197.	2419 <i>Polygonum aviculare</i> (Wireweed)	Y		
1198.	582 <i>Polypogon monspeliensis</i> (Annual Beardgrass)	Y		
1199.	583 <i>Polypogon tenellus</i>			
1200.	<i>Polypompholyx tenella</i> scps			
1201.	25722 <i>Polytelis anthopeplus</i> (Regent Parrot)			
1202.	4691 <i>Poranthera microphylla</i> (Small Poranthera)			
1203.	<i>Poranthera microphylla/moorokatta</i>			
1204.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
1205.	24767 <i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swamphen)			
1206.	24769 <i>Porzana fluminea</i> (Australian Spotted Crane)			
1207.	25732 <i>Porzana pusilla</i> (Baillon's Crane)			
1208.	24771 <i>Porzana tabuensis</i> (Spotless Crane)			
1209.	110 <i>Potamogeton drummondii</i>			
1210.	111 <i>Potamogeton ochreateus</i> (Blunt Pondweed)			
1211.	1669 <i>Prasophyllum cyphochilum</i> (Pouched Leek Orchid)			
1212.	1670 <i>Prasophyllum drummondii</i> (Swamp Leek Orchid)			
1213.	1672 <i>Prasophyllum fimbria</i> (Fringed Leek Orchid)			
1214.	1673 <i>Prasophyllum gibbosum</i> (Humped Leek Orchid)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1215.	1676 <i>Prasophyllum hians</i> (Yawning Leek Orchid)			
1216.	1680 <i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
1217.	10853 <i>Prasophyllum plumiforme</i>			
1218.	8189 <i>Pseudognaphalium luteoalbum</i> (Jersey Cudweed)			
1219.	25511 <i>Pseudonaja affinis</i> (Dugite)			
1220.	25259 <i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			
1221.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
1222.	25433 <i>Pseudophryne guentheri</i> (Crawling Toadlet)			
1223.	48085 <i>Psittacula krameri</i> (Indian Ringnecked Parrot, Rose-ringed Parakeet)	Y		
1224.	13255 <i>Pterochaeta paniculata</i>			
1225.	<i>Pterostylis</i> aff. <i>nana</i>			
1226.	<i>Pterostylis</i> aff. <i>nana</i> long sepal			Y
1227.	15426 <i>Pterostylis aspera</i>			
1228.	48675 <i>Pterostylis atosanguinea</i>			
1229.	10875 <i>Pterostylis concava</i>			
1230.	44723 <i>Pterostylis glebosa</i>			
1231.	1693 <i>Pterostylis recurva</i> (Jug Orchid)			
1232.	12217 <i>Pterostylis sanguinea</i>			
1233.	<i>Pterostylis</i> sp.			
1234.	18655 <i>Pterostylis</i> sp. <i>crinkled leaf</i> (G.J. Keighery 13426)			
1235.	1698 <i>Pterostylis vittata</i> (Banded Greenhood)			
1236.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
1237.	11260 <i>Ptilotus drummondii</i> var. <i>drummondii</i> (Pussytail)			
1238.	2742 <i>Ptilotus manglesii</i> (Pom Poms, Mulamula)			
1239.	4177 <i>Pultenaea ochreatea</i>			
1240.	4181 <i>Pultenaea reticulata</i>			
1241.	<i>Purpleicephalus spurius</i>			
1242.	25008 <i>Pygopus lepidopodus</i> (Common Scaly Foot)			
1243.	16367 <i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
1244.	8195 <i>Quinetia urvillei</i>			
1245.	28224 <i>Ramalina inflata</i> subsp. <i>australis</i>			
1246.	<i>Ramaria lorithamnus</i>			
1247.	2938 <i>Ranunculus trilobus</i> (Buttercup)	Y		
1248.	24243 <i>Rattus fuscipes</i> (Western Bush Rat)			
1249.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
1250.	<i>Raveniella cirrata</i>			
1251.	<i>Raveniella peckorum</i>			
1252.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
1253.	6012 <i>Regelia ciliata</i>			
1254.	48096 <i>Rhipidura albiscapa</i> (Grey Fantail)			
1255.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
1256.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
1257.	13300 <i>Rhodanthe citrina</i>			
1258.	<i>Rickenella fibula</i>			
1259.	14485 <i>Romulea flava</i> var. <i>minor</i>	Y		
1260.	1556 <i>Romulea rosea</i> (Guildford Grass)	Y		
1261.	11544 <i>Romulea rosea</i> var. <i>australis</i> (Guildford Grass)	Y		
1262.	14924 <i>Romulea rosea</i> var. <i>communis</i>	Y		
1263.	2429 <i>Rumex acetosella</i> (Sorrel)	Y		
1264.	2430 <i>Rumex brownii</i> (Swamp Dock)	Y		
1265.	2433 <i>Rumex crispus</i> (Curled Dock)	Y		
1266.	40431 <i>Rytidosperma acerosum</i>			
1267.	40425 <i>Rytidosperma caespitosum</i>			
1268.	40426 <i>Rytidosperma occidentale</i>			
1269.	40430 <i>Rytidosperma pilosum</i>			
1270.	7602 <i>Scaevola calliptera</i>			
1271.	7603 <i>Scaevola canescens</i> (Grey Scaevola)			
1272.	7613 <i>Scaevola glandulifera</i> (Viscid Hand-flower)			
1273.	7619 <i>Scaevola lanceolata</i> (Long-leaved Scaevola)			
1274.	7634 <i>Scaevola phlebopetala</i> (Velvet Fanflower)			
1275.	7635 <i>Scaevola pilosa</i> (Hairy Fan-flower)			
1276.	13182 <i>Scaevola repens</i> var. <i>repens</i>			
1277.	17055 <i>Schinus molle</i>	Y		
1278.	6263 <i>Schoenolaena juncea</i>			
1279.	<i>Schoenus</i> aff. <i>brevisetis</i> (Mud2, #135)			
1280.	975 <i>Schoenus bifidus</i>			
1281.	978 <i>Schoenus brevisetis</i>			
1282.	979 <i>Schoenus caespititius</i>			
1283.	982 <i>Schoenus clandestinus</i>			
1284.	984 <i>Schoenus curvifolius</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1285.	986 <i>Schoenus efoliatus</i>			
1286.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
1287.	994 <i>Schoenus humilis</i>			
1288.	1002 <i>Schoenus nanus</i> (Tiny Bog Rush)			
1289.	1006 <i>Schoenus odontocarpus</i>			
1290.	1007 <i>Schoenus pedicellatus</i>			
1291.	17614 <i>Schoenus plumosus</i>			
1292.	1011 <i>Schoenus rigens</i>			
1293.	<i>Schoenus sp. aff. breviculmis sthct</i>			Y
1294.	1016 <i>Schoenus subbarbatus</i> (Bearded Bog-rush)			
1295.	1017 <i>Schoenus subbulbosus</i>			
1296.	1019 <i>Schoenus subflavus</i> (Yellow Bog-rush)			
1297.	16251 <i>Schoenus subflavus</i> subsp. long leaves (K.L. Wilson 2865)			
1298.	1020 <i>Schoenus sublateralis</i>			
1299.	1023 <i>Schoenus tenellus</i>			
1300.	1026 <i>Schoenus unispiculatus</i>			
1301.	6033 <i>Scholtzia involucrata</i> (Spiked Scholtzia)			
1302.	<i>Scolopendra laeta</i>			
1303.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
1304.	25878 <i>Senecio condylus</i>			
1305.	20663 <i>Senecio multicaulis</i> subsp. multicaulis			
1306.	25884 <i>Senecio pinnatifolius</i> var. latilobus			
1307.	8217 <i>Senecio quadridentatus</i>			
1308.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
1309.	<i>Servaea melaina</i>			
1310.	<i>Servaea spinibarbis</i>			
1311.	613 <i>Setaria verticillata</i> (Whorled Pigeon Grass)	Y		
1312.	2909 <i>Silene gallica</i> (French Catchfly)	Y		
1313.	15972 <i>Silene gallica</i> var. gallica	Y		
1314.	8224 <i>Siloxerus filifolius</i>			
1315.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
1316.	<i>Simaetha tenuior</i>			
1317.	25266 <i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
1318.	30948 <i>Smicronis brevirostris</i> (Weebill)			
1319.	7020 <i>Solanum linnaeanum</i> (Apple of Sodom)	Y		
1320.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
1321.	8230 <i>Sonchus asper</i> (Rough Sowthistle)	Y		
1322.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
1323.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
1324.	1558 <i>Sparaxis bulbifera</i>	Y		
1325.	2912 <i>Spergula arvensis</i> (Corn Spurry)	Y		
1326.	4207 <i>Sphaerolobium medium</i>			
1327.	4211 <i>Sphaerolobium vimineum</i> (Leafless Globe Pea)			
1328.	4716 <i>Stachystemon vermicularis</i>			
1329.	4733 <i>Stackhousia monogyna</i>			
1330.	<i>Steatoda grossa</i>			
1331.	2918 <i>Stellaria media</i> (Chickweed)	Y		
1332.	39083 <i>Stemonitis fusca</i>			
1333.	39086 <i>Stemonitis smithii</i>			Y
1334.	39087 <i>Stemonitis splendens</i>			
1335.	19403 <i>Stenopetalum gracile</i>			
1336.	25643 <i>Sterna hybrida</i> (Whiskered Tern)			
1337.	24329 <i>Stictonetta naevosa</i> (Freckled Duck)			
1338.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
1339.	25597 <i>Strepera versicolor</i> (Grey Currawong)			
1340.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
1341.	30951 <i>Streptopelia chinensis</i> subsp. tigrina (Spotted Turtle-Dove)	Y		
1342.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
1343.	<i>Stylidium aff. androsaceum</i>			
1344.	7684 <i>Stylidium amoenum</i> (Lovely Triggerplant)			
1345.	30278 <i>Stylidium androsaceum</i>			
1346.	25831 <i>Stylidium araeophyllum</i> (Stilt Walker)			
1347.	<i>Stylidium araeophyllum/neurophyllum</i>			
1348.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
1349.	7696 <i>Stylidium calcaratum</i> (Book Triggerplant)			
1350.	7699 <i>Stylidium carnosum</i> (Fleshy-leaved Triggerplant)			
1351.	7702 <i>Stylidium ciliatum</i> (Golden Triggerplant)			
1352.	7712 <i>Stylidium despectum</i> (Dwarf Triggerplant)			
1353.	7713 <i>Stylidium dichotomum</i> (Pins-and-needles)			
1354.	7717 <i>Stylidium divaricatum</i> (Daddy-long-legs)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1355.	7718 <i>Stylidium diversifolium</i> (Touch-me-not)			
1356.	7719 <i>Stylidium ecorne</i> (Foot Triggerplant)			
1357.	7721 <i>Stylidium emarginatum</i> (Biddy-four-legs)			
1358.	7734 <i>Stylidium guttatum</i> (Dotted Triggerplant)			
1359.	7736 <i>Stylidium hispidum</i> (White Butterfly Triggerplant)			
1360.	7742 <i>Stylidium inundatum</i> (Hundreds and Thousands)			
1361.	7749 <i>Stylidium leptophyllum</i> (Needle-leaved Triggerplant)			
1362.	25829 <i>Stylidium neurophyllum</i> (Coastal Plain Triggerplant)			
1363.	7768 <i>Stylidium obtusatum</i> (Pinafore Triggerplant)			
1364.	7773 <i>Stylidium petiolare</i> (Horn Triggerplant)			
1365.	7774 <i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
1366.	7782 <i>Stylidium pulchellum</i> (Thumbelina Triggerplant)			
1367.	33106 <i>Stylidium recurvum</i>			
1368.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
1369.	<i>Stylidium roseo-alatum</i>			
1370.	7790 <i>Stylidium roseoalatum</i> (Pink-wing Triggerplant)			
1371.	25806 <i>Stylidium scarosum</i>			
1372.	7798 <i>Stylidium schoenoides</i> (Cow Kicks)			
1373.	45594 <i>Stylidium tenue</i> subsp. <i>majusculum</i> (Showy Fountain Triggerplant)			
1374.	23511 <i>Stylidium thesioides</i> (Delicate Triggerplant)			
1375.	7806 <i>Stylidium utricularioides</i> (Pink Fan Triggerplant)			
1376.	1260 <i>Stypantra glauca</i> (Blind Grass)			
1377.	6476 <i>Styphelia tenuiflora</i> (Common Pinheath)			
1378.	<i>Supunna funerea</i>			
1379.	24259 <i>Sus scrofa</i> (Pig)	Y		
1380.	25902 <i>Symphotrichum squamatum</i> (Bushy Starwort)	Y		
1381.	2321 <i>Synaphea acutiloba</i> (Granite Synaphea)			
1382.	2323 <i>Synaphea gracillima</i>			
1383.	2324 <i>Synaphea petiolaris</i> (Synaphea)			
1384.	16864 <i>Synaphea petiolaris</i> subsp. <i>petiolaris</i>			
1385.	2326 <i>Synaphea polymorpha</i> (Albany Synaphea, Pinda)			
1386.	29186 <i>Synaphea</i> sp. <i>Udumung</i> (A.S. George 17058)			
1387.	2329 <i>Synaphea spinulosa</i>			
1388.	15532 <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
1389.	<i>Synothele durokoppin</i>			
1390.	<i>Synothele michaelseni</i>			
1391.	32439 <i>Syntrichia papillosa</i>			
1392.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1393.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1394.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
1395.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
1396.	37360 <i>Tamarix ramosissima</i>	Y		
1397.	<i>Tamopsis distinguenda</i>			
1398.	<i>Tamopsis perthensis</i>			
1399.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
1400.	<i>Tasmanicosa leuckartii</i>			
1401.	20135 <i>Taxandria linearifolia</i>			
1402.	<i>Tetragnatha valida</i>			
1403.	1034 <i>Tetralia capillaris</i> (Hair Sedge)			
1404.	1036 <i>Tetralia octandra</i>			
1405.	4535 <i>Tetralia hirsuta</i> (Black Eyed Susan)			
1406.	48341 <i>Tetralia hirsuta</i> subsp. <i>viminea</i>			
1407.	4537 <i>Tetralia nuda</i>			
1408.	<i>Thelymitra</i> aff. <i>pauciflora</i>			
1409.	1701 <i>Thelymitra antennifera</i> (Vanilla Orchid)			
1410.	<i>Thelymitra benthamiana</i> / <i>crinita</i> / <i>fuscolutea</i>			Y
1411.	1702 <i>Thelymitra campanulata</i> (Shirt Orchid)			
1412.	1705 <i>Thelymitra crinita</i> (Blue Lady Orchid)			
1413.	1707 <i>Thelymitra flexuosa</i> (Twisted Sun Orchid)			
1414.	11143 <i>Thelymitra graminea</i>			
1415.	11053 <i>Thelymitra macrophylla</i>			
1416.	1710 <i>Thelymitra mucida</i> (Plum Orchid)			
1417.	<i>Thelymitra</i> sp.			
1418.	20731 <i>Thelymitra vulgaris</i>			
1419.	20728 <i>Thelymitra xanthotricha</i>			
1420.	673 <i>Themeda triandra</i>			
1421.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
1422.	<i>Thysanotus</i> ? <i>thyrsoides</i>			
1423.	1318 <i>Thysanotus arbuscula</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1424.	1319 <i>Thysanotus arenarius</i>			
1425.	1328 <i>Thysanotus dichotomus</i> (Branching Fringe Lily)			
1426.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
1427.	<i>Thysanotus manglesianus/patersonii</i> complex			
1428.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
1429.	1343 <i>Thysanotus patersonii</i>			
1430.	<i>Thysanotus</i> sp.			
1431.	1351 <i>Thysanotus sparteus</i>			
1432.	1354 <i>Thysanotus tenellus</i>			
1433.	1357 <i>Thysanotus thyrsoides</i>			
1434.	1358 <i>Thysanotus triandrus</i>			
1435.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
1436.	25519 <i>Tiliqua rugosa</i>			
1437.	25204 <i>Tiliqua rugosa</i> subsp. <i>aspera</i>			
1438.	25207 <i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
1439.	45838 <i>Tilletia ehrhartae</i>			
1440.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
1441.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
1442.	38845 <i>Trechispora farinacea</i>			
1443.	17684 <i>Tremulina tremula</i>			
1444.	1481 <i>Tribonanthes australis</i> (Southern Tiurmdin)			
1445.	1482 <i>Tribonanthes brachypetala</i> (Nodding Tiurmdin)			
1446.	1483 <i>Tribonanthes longipetala</i> (Branching Tiurmdin)			
1447.	1485 <i>Tribonanthes violacea</i> (Violet Tiurmdin)			
1448.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
1449.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		
1450.	8251 <i>Trichocline spathulata</i> (Native Gerbera)			
1451.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
1452.	25521 <i>Trichosurus vulpecula</i> (Common Brushtail Possum)			
1453.	24158 <i>Trichosurus vulpecula</i> subsp. <i>vulpecula</i> (Common Brushtail Possum)			
1454.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
1455.	1362 <i>Tricoryne humilis</i>			
1456.	1363 <i>Tricoryne tenella</i>			
1457.	1038 <i>Tricostularia neesii</i>			
1458.	17145 <i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Y		
1459.	4291 <i>Trifolium arvense</i> (Hare's Foot Clover)	Y		
1460.	4292 <i>Trifolium campestre</i> (Hop Clover)	Y		
1461.	17763 <i>Trifolium campestre</i> var. <i>campestre</i> (Hop Clover)	Y		
1462.	<i>Trifolium campestre</i> /dubium			
1463.	4295 <i>Trifolium dubium</i> (Suckling Clover)	Y		
1464.	17541 <i>Trifolium incarnatum</i> var. <i>incarnatum</i>	Y		
1465.	14738 <i>Trifolium resupinatum</i> var. <i>resupinatum</i>	Y		
1466.	<i>Trifolium</i> sp.			
1467.	4313 <i>Trifolium subterraneum</i> (Subterranean Clover)	Y		
1468.	18587 <i>Triglochin nana</i>			
1469.	<i>Triglochin</i> sp. FL-3 (possibly <i>T. nana</i>)			Y
1470.	4737 <i>Tripterococcus brunonis</i> (Winged Stackhousia)			
1471.	1139 <i>Trithuria bibracteata</i>			
1472.	1141 <i>Trithuria submersa</i>			
1473.	4360 <i>Tropaeolum majus</i> (Garden Nasturtium)	Y		
1474.	33418 <i>Trymalium odoratissimum</i> subsp. <i>odoratissimum</i>			
1475.	39103 <i>Tubifera ferruginosa</i>			
1476.	48147 <i>Turnix varius</i> (Painted Button-quail)			
1477.	24852 <i>Tyto alba</i> subsp. <i>delicatula</i> (Barn Owl)			
1478.	<i>Urodacus novaehollandiae</i>			
1479.	<i>Urodacus woodwardii</i>			
1480.	8254 <i>Urospermum picroides</i> (False Hawkbit)	Y		
1481.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
1482.	38388 <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>	Y		
1483.	28227 <i>Usnea scabrida</i> subsp. <i>scabrida</i>			
1484.	7145 <i>Utricularia menziesii</i> (Redcoats)			
1485.	7148 <i>Utricularia multifida</i>			
1486.	7153 <i>Utricularia tenella</i>			
1487.	7157 <i>Utricularia violacea</i> (Violet Bladderwort)			
1488.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
1489.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1490.	25225 <i>Varanus rosenbergi</i> (Heath Monitor)			
1491.	25526 <i>Varanus tristis</i> (Racehorse Monitor)			
1492.	7665 <i>Velleia trinervis</i>			
1493.	8257 <i>Vellereophyton dealbatum</i> (White Cudweed)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1494.	<i>Venator immansueta</i>			
1495.	<i>Venatrix pullastra</i>			
1496.	7107 <i>Verbascum virgatum</i> (Twiggy Mullein)	Y		
1497.	15725 <i>Verbesina encelioides</i>	Y		
1498.	6070 <i>Verticordia acerosa</i>			
1499.	15431 <i>Verticordia acerosa</i> var. <i>acerosa</i>			
1500.	12388 <i>Verticordia acerosa</i> var. <i>preissii</i>			
1501.	6076 <i>Verticordia densiflora</i> (Compacted Featherflower)			
1502.	12411 <i>Verticordia densiflora</i> var. <i>cespitosa</i>			
1503.	15432 <i>Verticordia densiflora</i> var. <i>densiflora</i>			
1504.	6088 <i>Verticordia huegelii</i> (Variegated Featherflower)			
1505.	15433 <i>Verticordia huegelii</i> var. <i>huegelii</i>			
1506.	12430 <i>Verticordia huegelii</i> var. <i>stylosa</i>			
1507.	6107 <i>Verticordia pennigera</i>			
1508.	6110 <i>Verticordia plumosa</i> (Plumed Featherflower)			
1509.	12449 <i>Verticordia plumosa</i> var. <i>brachyphylla</i>			
1510.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
1511.	4320 <i>Vicia hirsuta</i> (Hairy Vetch)	Y		
1512.	11474 <i>Vicia sativa</i> subsp. <i>nigra</i>	Y		
1513.	4325 <i>Viminaria juncea</i> (Swishbush, Koweda)			
1514.	24040 <i>Vulpes vulpes</i> (Red Fox)	Y		
1515.	722 <i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
1516.	724 <i>Vulpia myuros</i> (Rat's Tail Fescue)	Y		
1517.	12052 <i>Vulpia myuros</i> forma <i>megalura</i>	Y		
1518.	33101 <i>Vulpia myuros</i> forma <i>myuros</i>	Y		
1519.	<i>Vulpia</i> sp.			
1520.	<i>Wahlenbergia</i> ? <i>capensis</i>			
1521.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
1522.	7386 <i>Wahlenbergia gracilentia</i> (Annual Bluebell)			
1523.	7389 <i>Wahlenbergia preissii</i>			
1524.	8282 <i>Waitzia suaveolens</i> (Fragrant Waitzia)			
1525.	17910 <i>Washingtonia filifera</i>	Y		
1526.	13103 <i>Watsonia borbonica</i>	Y		
1527.	1566 <i>Watsonia marginata</i>	Y		
1528.	1567 <i>Watsonia meriana</i> (Bulbil Watsonia)	Y		
1529.	18108 <i>Watsonia meriana</i> var. <i>bulbillifera</i>	Y		
1530.	18118 <i>Watsonia meriana</i> var. <i>meriana</i>	Y		
1531.	<i>Watsonia</i> sp. <i>Mud09</i>			Y
1532.	1394 <i>Wurmbea dioica</i> (Early Nancy)			
1533.	12072 <i>Wurmbea dioica</i> subsp. <i>alba</i>			
1534.	1251 <i>Xanthorrhoea brunonis</i>			
1535.	1253 <i>Xanthorrhoea gracilis</i> (Graceful Grass Tree, Mimidi)			
1536.	1256 <i>Xanthorrhoea preissii</i> (Grass tree, Palga)			
1537.	<i>Xanthorrhoea</i> sp.			
1538.	<i>Xanthosia</i> ? <i>huegelii</i>			Y
1539.	6285 <i>Xanthosia ciliata</i>			
1540.	6289 <i>Xanthosia huegelii</i>			
1541.	2331 <i>Xylomelum occidentale</i> (Woody Pear, Djandin)			
1542.	15819 <i>Xyris atrovirida</i>			
1543.	1049 <i>Zantedeschia aethiopica</i> (Arum Lily)	Y		
1544.	<i>Zebraplatys fractivittata</i>			
1545.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereye)			

Conservation Codes

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

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

APPENDIX 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. Please see the caveat for interpretation of information provided here.

Report created: 30-Nov-2021

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment 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 (Ramsar)	2
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	2
Listed Threatened Species:	23
Listed Migratory Species:	9

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

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 Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	13
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	5
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands) [\[Resource Information \]](#)

Ramsar Site Name	Proximity
Forrestdale and thomsons lakes	Within 10km of Ramsar site
Peel-yalgorup system	30 - 40km upstream from Ramsar site

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

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

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text
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 may occur within area

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

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text
BIRD		
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Zanda baudinii listed as Calyptorhynchus baudinii Baudin's Black-Cockatoo, Long-billed Black-cockatoo [87736]	Endangered	Roosting known to occur within area
Zanda latirostris listed as Calyptorhynchus latirostris Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]	Endangered	Species or species habitat known to occur within area
MAMMAL		
Bettongia penicillata ogilbyi Woylie [66844]	Endangered	Species or species habitat may occur within area
Dasyurus geoffroii Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Species or species habitat may occur within area
Setonix brachyurus Quokka [229]	Vulnerable	Species or species habitat may occur within area
PLANT		
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat may occur within area
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat known to occur within area
Diuris purdiei Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat likely to occur within area
Drakaea elastica Glossy-leafed Hammer Orchid, Glossy- leafed Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat likely to occur within area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat likely to occur within area
Grevillea curviloba subsp. incurva Narrow curved-leaf Grevillea [64909]	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 likely to occur within area
Synaphea sp. Pinjarra Plain (A.S. George 17182) [86878]	Endangered	Species or species habitat may occur within area
Synaphea sp. Serpentine (G.R. Brand 103) [86879]	Critically Endangered	Species or species habitat may occur within area

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

Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area

Migratory Terrestrial Species

Scientific Name	Threatened Category	Presence Text
-----------------	---------------------	---------------

[Motacilla cinerea](#)

Grey Wagtail [642]

Species or species habitat may occur within area

Migratory Wetlands Species

[Actitis hypoleucos](#)

Common Sandpiper [59309]

Species or species habitat likely to occur within area

[Calidris acuminata](#)

Sharp-tailed Sandpiper [874]

Species or species habitat likely to occur within area

[Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat may occur within area

[Calidris melanotos](#)

Pectoral Sandpiper [858]

Species or species habitat likely to occur within area

[Charadrius leschenaultii](#)

Greater Sand Plover, Large Sand Plover [877]

Vulnerable

Species or species habitat may occur within area

[Numenius madagascariensis](#)

Eastern Curlew, Far Eastern Curlew [847]

Critically Endangered

Species or species habitat may occur within area

[Tringa nebularia](#)

Common Greenshank, Greenshank [832]

Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

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

Scientific Name	Threatened Category	Presence Text
-----------------	---------------------	---------------

Bird

[Actitis hypoleucos](#)

Common Sandpiper [59309]

Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area overfly marine area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area

Extra Information

EPBC Act Referrals			[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
'Looping 10' gas transmission pipeline from Kwinana to Hopelands	2005/2212	Not Controlled Action	Completed
Eradication of the European House Borer, Perth metropolitan area, WA	2009/5027	Not Controlled Action	Completed
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed
INDIGO Central Submarine Telecommunications Cable	2017/8127	Not Controlled Action	Completed
Not controlled action (particular manner)			
INDIGO Marine Cable Route Survey (INDIGO)	2017/7996	Not Controlled Action (Particular Manner)	Post-Approval

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and 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

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

Where little information is available for a 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 detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

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

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

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

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

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.

[© Commonwealth of Australia](#)

Department of Agriculture Water and the Environment

GPO Box 858

Canberra City ACT 2601 Australia

+61 2 6274 1111

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
TEC/PEC Database Search

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_COUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
243	SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson et al. (1994))	Endangered	Critically Endangered	2	FL02	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	500	307	200
1877	SCP26a	Melaleuca huegelii - Melaleuca systema shrublands on limestone ridges (floristic community type 26a as originally described in Gibson et al. (1994))	Endangered		1	ANKETELL01	500	318	211
464	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	MYABERN03	500	321	214
732	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		3	norm04	500	336	221
731	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	3	norm01	500	337	222
525	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		1	MYBYFORD09	500	338	223
522	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	1	MYBYFORD07	500	345	230
521	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	1	MYBYFORD06	500	347	232
605	SCP19b	Woodlands over sedgeland in Holocene dune swales of the southern Swan Coastal Plain (original description; Gibson et al. (1994).	Critically Endangered	Endangered	1	COOL15	2000	348	233
603	SCP19b	Woodlands over sedgeland in Holocene dune swales of the southern Swan Coastal Plain (original description; Gibson et al. (1994).	Critically Endangered	Endangered	1	COOL14	2000	349	234
523	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	1	BELLA01	500	352	237
520	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	2	ByfordFire	500	353	238
119	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	2	DUCK01	500	354	239
223	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	4	MUD02	500	355	240
108	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	2	MUD04	500	356	241

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_COUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
778	SCP02	Southern wet shrublands, Swan Coastal Plain (floristic community type 2 as originally described in Gibson et al. (1994))	Endangered		1	WATKINS PLOT2	500	357	242
779	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	1	WATKINS02	500	358	243
510	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	MYBYFORD01	500	359	244
465	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	2	ABERNETHY RD PLOT1	500	576	444
461	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	3	MYROMAN02	500	597	460
458	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		2	MYROMAN01	500	598	461
232	SCP08	Herb rich shrublands in clay pans (floristic community type 8 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	MUD09	500	670	526
107	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	4	BRICK05	500	773	624
234	SCP09	Dense shrublands on clay flats (floristic community type 9 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	BRICK04	500	950	777
163	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	1	BRICK02	500	951	778
110	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	2	BRICK01	500	952	779
180	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		2	CARD12	500	1085	872
2558	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		1	AustralBFsite	500	1162	942
233	SCP09	Dense shrublands on clay flats (floristic community type 9 as originally described in Gibson et al. (1994))	Vulnerable	Critically Endangered	1	DUCK03	500	1163	943
462	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	MYABERN01	500	1191	964
2559	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	2	Austral Plot02	500	1223	982
2557	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	2	Austral Plot01	500	1224	983
3620	Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	2	DuckpondSpring01	2000	1492	1201

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_C OUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
4021	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	3	NETT01	500	2069	1588
162	SCP20b	Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain (floristic community type 20b as originally described in Gibson et al. (1994))	Endangered	Endangered	6	CARD01	500	329	2360
5061	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	BYFrail02	500	3097	2690
5062	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		1	BYFrail03	500	3098	2691
5066	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	BYFrail01	500	3099	2692
512	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	2	BYFrail04	500	3100	2693
5064	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		1	BYFrail05	500	330	2694
5076	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	2	WATKINS04	500	3204	2720
3163	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	LOW06A	1000	14901	14392
3165	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	LOW07	1000	14902	14393
3162	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	LOW01	1000	14903	14394
17224	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	bkW01	1000	14904	14395
3159	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	HYMUS03	1000	14907	14396
17226	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	bkW03	1000	14906	14397
108186	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02468	200	105185	17382
108187	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02469	200	105186	17383
108191	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02473	200	105190	17387
108192	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02474	200	105191	17388
108193	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02475	200	105192	17389
108194	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02476	200	105193	17390
108198	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02480	200	105197	17394
108212	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02494	200	105211	17408
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
110810	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05092	200	107809	20006
110811	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05093	200	107810	20007
110817	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05099	200	107816	20013
110819	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05101	200	107818	20015
110820	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05102	200	107819	20016
110821	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05103	200	107820	20017
110829	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05111	200	107828	20024

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_C OUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
121308	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15590	200	118307	30496
121318	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15600	200	118317	30506
121341	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15623	200	118340	30529
121342	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15624	200	118341	30530
121343	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15625	200	118342	30531
121369	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15651	200	118368	30557
121370	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15652	200	118369	30558
121371	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15653	200	118370	30559
121386	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15668	200	118385	30574
121387	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15669	200	118386	30575
121569	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15851	200	118568	30757
121570	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15852	200	118569	30758
121571	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld15853	200	118570	30759
122131	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld16413	200	119130	31317
122132	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld16414	200	119131	31318
122142	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld16424	200	119141	31328
124930	Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	1	Wandi01	500	121997	120253
124909	Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	1	Wellard01	500	121998	120254
125349	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0248	500	122418	120667
125350	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0249	500	122419	120668
125351	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0250	500	122420	120669
125353	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0252	500	122422	120671
125361	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0260	500	122430	120679
125362	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0261	500	122431	120680
125363	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0262	500	122432	120681
125364	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0263	500	122433	120682
125925	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0824	500	122994	121243
125926	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0825	500	122995	121244
125927	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0826	500	122996	121245
125928	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0827	500	122997	121246
125929	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0828	500	122998	121247
125930	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0829	500	122999	121248

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_COUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
126009	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0908	500	123078	121327
126013	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0912	500	123082	121331
126015	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0914	500	123084	121333
126016	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0915	500	123085	121334
126017	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0916	500	123086	121335
126018	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0917	500	123087	121336
126019	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0918	500	123088	121337
126020	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0919	500	123089	121338
126021	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0920	500	123090	121339
126022	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0921	500	123091	121340
126023	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0922	500	123092	121341
126024	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0923	500	123093	121342
126025	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0924	500	123094	121343
126026	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0925	500	123095	121344
126027	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0926	500	123096	121345
126028	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0927	500	123097	121346
126029	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld0928	500	123098	121347
126164	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1063	500	123233	121482
126165	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1064	500	123234	121483
126166	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1065	500	123235	121484
126167	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1066	500	123236	121485
126168	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1067	500	123237	121486
126169	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1068	500	123238	121487
126170	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1069	500	123239	121488

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_C OUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
126173	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1072	500	123242	121491
126174	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1073	500	123243	121492
126175	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1074	500	123244	121493
126176	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1075	500	123245	121494
126177	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1076	500	123246	121495
126178	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1077	500	123247	121496
126179	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1078	500	123248	121497
126181	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1080	500	123250	121499
126182	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1081	500	123251	121500
126183	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1082	500	123252	121501
126184	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	1	TuartWld1083	500	123253	121502
126904	Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	1	ByfordSpring01	500	123887	122138
108189	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02471	200	105188	17385
108190	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld02472	200	105189	17386
111474	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld05756	200	108473	20669
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
112124	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06406	200	109123	21319
112268	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06550	200	109267	21463
112297	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06579	200	109296	21492
112317	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06599	200	109316	21512
112554	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld06836	200	109553	21749
113082	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld07364	200	110081	22275
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
116620	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld10902	200	113619	25811
116623	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	1	BanksiaWld10905	200	113622	25814
4347	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in in Gibson et al. (1994))	Critically Endangered	Endangered	1	MUNJOVAL02	500	0	92
4089	Casuarina obesa association	Casuarina obesa Association	Priority 1		1	MUN_HOP01	500	0	93
4091	Casuarina obesa association	Casuarina obesa Association	Priority 1		1	MUN_KAR01	500	0	94
3164	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	LOW06B	1000	0	216

OCC_UNIQUE	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	S_ID_C OUNT	FIRST_S_ID	BUFFER	BDY_ID	ORIG_FID
4090	Casuarina obesa association	Casuarina obesa Association	Priority 1		1	MAL_KAR01	500	0	249
3166	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	MOD002	500	0	294
5065	SCP3b	Corymbia calophylla - Eucalyptus marginata woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))	Vulnerable		1	BYFrail06	500	0	380
5067	SCP3c	Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in in Gibson et al. (1994))	Critically Endangered	Endangered	1	BYFrail07	500	0	381
3083	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BANK01	750	0	458
3194	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	BAS40	200	0	476
2981	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW15	900	0	489
2982	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW16	200	0	490
2983	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	BIW17	200	0	491
3069	SCP1a	Eucalyptus haematoxylon - E. marginata woodlands on Whicher foothills	Priority 3		1	NORM02	500	0	625
4345	SCP3a	Corymbia calophylla - Kingia australis woodlands on heavy soils, Swan Coastal Plain (floristic community type 3a as originally described in Gibson et al. (1994))	Critically Endangered	Endangered	1	MUNJOVAL01	500	0	639
4092	Casuarina obesa association	Casuarina obesa Association	Priority 1		1	ORT_KAR_E01	500	0	643
3118	SCP25	Southern Eucalyptus gomphocephala-Agonis flexuosa woodlands	Priority 3		1	SEW4	200	0	651
4424	SCP25	Southern Eucalyptus gomphocephala-Agonis flexuosa woodlands	Priority 3		1	leda01	500	0	670
3084	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	1	DEJONG01	500	0	926
3156	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	DEJONG02	500	0	927
3068	SCP1a	Eucalyptus haematoxylon - E. marginata woodlands on Whicher foothills	Priority 3		1	EW1	200	0	1082
4094	Casuarina obesa association	Casuarina obesa Association	Priority 1		1	GOS_KAR01	500	0	1236
3157	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	FL05	500	0	1754
3158	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	1	FL06	500	0	1755
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	1756

APPENDIX 6
Flora Species List

Lot 5 King Road Species List

* - non-native

GYMNOSPERMS

CYCADACEAE

Macrozamia riedlei

MONOCOTYLEDONS

ANACARDIACEAE

Lyginia barbata

ASPARAGACEAE

Laxmannia squarrosa

Lomandra caespitosa

Lomandra hermaphrodita

Lomandra preissii

Sowerbaea laxiflora

Thysanotus patersonii

COLCHICACEAE

Burchardia congesta

CYPERACEAE

Chaetophora curvifolia

Isolepis marginata

Lepidosperma scabrum

Morelotia octandra

Schoenus latitans

DASYPOGONACEAE

Dasypogon bromeliifolius

HAEMODORACEAE

Anigozanthos humilis

Anigozanthos manglesii

Conostylis aculeata

Conostylis juncea

Phlebocarya ciliata

HEMEROCALLIDACEAE

Arnocrinum preissii

Chamaescilla corymbosa

Corynotheca micrantha

Dianella revoluta var. *divaricata*

Tricoryne elatior

IRIDACEAE

**Gladiolus caryophyllaceus*

Patersonia occidentalis

**Romulea rosea*

ORCHIDACEAE

Caladenia flava

Microtis media subsp. *media*

Pterostylis barbata

Pterostylis ?vittata

Pyrorchis nigricans

Thelymitra macrophylla

POACEAE

Amphipogon turbinatus

Austrostipa flavescens

**Avena fatua*

**Briza maxima*

**Bromus diandrus*

**Ehrharta calycina*

**Lolium perenne*

**Vulpia* sp

RESTIONACEAE

Desmocladus flexuosus

XANTHORRHOEACEAE

Xanthorrhoea preissii

DICOTYLEDONS

AIZOACEAE

**Carpobrotus edulis*

APIACEAE

Xanthosia huegelii

ARALIACEAE

Trachymene pilosa

ASTERACEAE

Gnephosis drummondii

Hyalosperma cotula

**Hypochoeris glabra*

Millotia myosotidifolia

Podolepis gracilis
Podotheca gnaphalioides
Siloxerus humifusus
**Taraxacum officinale*
**Ursinia anthemoides*

CASUARINACEAE
Allocasuarina fraseriana
Allocasuarina humilis

CRASSULACEAE
Crassula colorata

DILLENACEAE
Hibbertia hypericoides
Hibbertia racemosa

DROSERACEAE
Drosera erythrorhiza
Drosera glanduligera
Drosera menziesii

ERICACEAE
Conostephium pendulum
Styphelia conostephioides
Styphelia propinqua

FABACEAE
Acacia huegelii
**Acacia longifolia*
Acacia stenoptera
Bossiaea eriocarpa
Daviesia triflora
Gompholobium tomentosum
Hovea trisperma
Jacksonia furcellata
Jacksonia sternbergiana
**Lupinus cosentinii*
**Lupinus luteus*
**Ornithopus compressus*

GERANIACEAE
**Pelargonium capitatum*

GOODENIACEAE
Dampiera linearis
Lechenaultia floribunda

LAMIACEAE
Hemiandra pungens

LOGANIACEAE
Phyllangium paradoxum

MACARTHURACEAE
Macarthuria australis

MONTIACEAE
Calandrinia corrigioloides

MYRTACEAE
Calytrix fraseri
Eucalyptus rudis
Eucalyptus todtiana
Kunzea glabrescens
Melaleuca preissiana
Melaleuca teretifolia
Scholtzia involucrata
Verticordia densiflora

PHYLLANTHACEAE
Poranthera microphylla

PRIMULACEAE
**Lysimachia arvensis*

PROTEACEAE
Adenanthos cygnorum
Banksia attenuata
Banksia ilicifolia
Banksia menziesii
Persoonia saccata
Petrophile linearis
Stirlingia latifolia
Synaphea spinulosa

RUTACEAE
Cyanothamnus ramosus
Philothea spicata

STYLIDIACEAE
Stylidium piliferum
Stylidium repens

VIOLACEAE
Hybanthus calycinus

APPENDIX 7

Quadrat Data

QUADRAT KR1

50 397412 E 6432167 N

Vegetation: *Banksia attenuata*/*B. menziesii*/ *Kunzea glabrescens*
 Low Woodland over *Hibbertia hypericoides* Open Low Heath

Condition: Good

Soil Type: Orange-brown sand

Landform: Flat

Date: 7 October 2021

Recorder: P. van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Banksia attenuata</i>	7	10
<i>Kunzea glabrescens</i>	5	25
<i>Banksia menziesii</i>	4	5
<i>Adenanthos cygnorum</i>	2.1	2
<i>Jacksonia furcellata</i>	1.8	1
* <i>Ehrharta calycina</i>	0.8	1
<i>Morelotia octandra</i>	0.6	2
<i>Hibbertia hypericoides</i>	0.5	2
<i>Corynotheca micrantha</i>	0.4	5
<i>Bossiaea eriocarpa</i>	0.4	4
<i>Patersonia occidentalis</i>	0.4	1
<i>Dianella revoluta</i> var. <i>divaricata</i>	0.4	<1
<i>Dasypogon bromeliifolius</i>	0.3	2
* <i>Briza maxima</i>	0.3	<1
<i>Burchardia congesta</i>	0.3	<1
<i>Stirlingia latifolia</i>	0.3	<1
* <i>Gladiolus caryophyllaceus</i>	0.3	<1
* <i>Lolium perenne</i>	0.3	<1

SPECIES	HEIGHT (m)	COVER (%)
<i>Hybanthus calycinus</i>	0.3	<1
* <i>Ursinia anthemoides</i>	0.3	<1
<i>Desmodium flexuosus</i>	0.2	10
<i>Podolepis gracilis</i>	0.2	1
<i>Tricoryne elatior</i>	0.2	<1
<i>Conostylis aculeata</i>	0.2	<1
<i>Lomandra hermaphrodita</i>	0.2	<1
<i>Cyanothamnus ramosus</i>	0.2	<1
<i>Hyalosperma cotula</i>	0.1	<1
<i>Laxmannia squarrosa</i>	0.1	<1
<i>Schoenus clandestinus</i>	<0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
<i>Poranthera microphylla</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1
<i>Pyrorchis nigricans</i>	Flat	<1

* introduced species

QUADRAT KR2

50 397632 E 6432076 N

Vegetation: *Banksia attenuata*/*B. menziesii*/*Kunzea glabrescens* Low Woodland
over *Hibbertia hypericoides* Closed Low Heath

Condition: Excellent
Soil Type: Orange-brown sand
Landform: Upper slope
Date: 7 October 2021
Recorder: P. van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Banksia attenuata</i>	6	10
<i>Banksia menziesii</i>	5	5
<i>Kunzea glabrescens</i>	4	5
<i>Jacksonia sternbergiana</i>	3.5	4
<i>Calytrix fraseri</i>	1.2	5
* <i>Ehrharta calycina</i>	1	2
* <i>Gladiolus caryophyllaceus</i>	0.7	<1
<i>Stirlingia latifolia</i>	0.6	1
<i>Persoonia saccata</i>	0.6	1
<i>Austrostipa</i> sp	0.6	<1
<i>Hibbertia hypericoides</i>	0.5	30
<i>Sowerbaea laxiflora</i>	0.5	<1
<i>Dianella revoluta</i> var. <i>divaricata</i>	0.4	<1
<i>Lomandra preissii</i>	0.4	<1
<i>Corynotheca micrantha</i>	0.3	2
<i>Amphipogon turbinatus</i>	0.3	1

SPECIES	HEIGHT (m)	COVER (%)
<i>Bossiaea eriocarpa</i>	0.3	<1
<i>Conostylis aculeata</i>	0.3	<1
<i>Synaphea spinulosa</i>	0.3	<1
* <i>Briza maxima</i>	0.2	1
<i>Hybanthus calycinus</i>	0.2	<1
* <i>Ursinia anthemoides</i>	0.2	<1
<i>Austrostipa flavescens</i>	0.2	<1
<i>Acacia stenoptera</i>	0.2	<1
<i>Desmocladius flexuosus</i>	0.1	1
<i>Trachymene pilosa</i>	0.1	1
<i>Podolepis gracilis</i>	0.1	1
<i>Laxmannia squarrosa</i>	0.1	<1
<i>Caladenia flava</i>	0.1	<1
<i>Hyalosperma cotula</i>	0.1	<1
<i>Schoenus clandestinus</i>	<0.1	<1
<i>Siloxerus humifusus</i>	<0.1	<1
<i>Hemiandra pungens</i>	<0.1	<1
<i>Chamaescilla corymbosa</i>	Flat	2
* <i>Hypochaeris glabra</i>	Flat	<1
<i>Thysanotus patersonii</i>	Climber	<1

* introduced species

QUADRAT KR3

50 397526 E 6432223 N

Vegetation: *Banksia attenuata*/*B. menziesii*/*Kunzea glabrescens* Low Woodland over weeds

Condition: Degraded

Soil Type: Orange-brown sand

Landform: Top of low rise

Date: 7 October 2021

Recorder: P. van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Kunzea glabrescens</i>	4.5	25
<i>Banksia menziesii</i>	4.5	10
<i>Banksia attenuata</i>	4.5	5
* <i>Ehrharta calycina</i>	0.7	50
* <i>Gladiolus caryophyllaceus</i>	0.6	<1
<i>Thelymitra macrophylla</i>	0.5	<1
<i>Dianella revoluta</i> var. <i>divaricata</i>	0.4	<1
* <i>Briza maxima</i>	0.3	1
<i>Conostylis aculeata</i>	0.3	1
* <i>Ursinia anthemoides</i>	0.3	<1
<i>Caladenia flava</i>	0.2	<1
<i>Desmodcladus flexuosus</i>	0.1	<1
<i>Isolepis marginata</i>	<0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
* <i>Hypochaeris glabra</i>	Flat	<1
* <i>Taraxacum officinale</i>	Flat	<1

* introduced species

QUADRAT KR4

50 397078 E 6432154 N

Vegetation: *Melaleuca teretifolia* Shrubland over weeds

Condition: Degraded

Soil Type: Blackish loamy sand

Landform: Bund

Date: 7 October 2021

Recorder: P. van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Melaleuca teretifolia</i>	1.8	25
* <i>Ehrharta calycina</i>	1	80
* <i>Bromus diandrus</i>	0.4	2
* <i>Briza maxima</i>	0.3	2
* <i>Ursinia anthemoides</i>	0.3	1
* <i>Lupinus cosentinii</i>	0.3	1
* <i>Lupinus luteus</i>	0.3	<1
* <i>Carpobrotus edulis</i>	0.1	20
* <i>Ornithopus compressus</i>	0.1	1

* introduced species

QUADRAT KR5

50 397454 E 6432023 N

Vegetation: *Kunzea glabrescens*/*Adenanthos cygnorum* Tall Shrubland over weeds

Condition: Completely Degraded

Soil Type: Dark grey sand

Landform: Top of rise

Date: 7 October 2021

Recorder: P. van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Kunzea glabrescens</i>	3.5	5
<i>Adenanthos cygnorum</i>	3	5
<i>Jacksonia sternbergiana</i>	3	2
* <i>Ehrharta calycina</i>	1.2	40
* <i>Gladiolus caryophyllaceus</i>	0.5	<1
<i>Styphelia conostephioides</i>	0.4	<1
* <i>Ursinia anthemoides</i>	0.3	15
* <i>Briza maxima</i>	0.3	10
<i>Corynotheca micrantha</i>	0.3	<1
* <i>Carpobrotus edulis</i>	0.1	30
* <i>Lysimachia arvensis</i>	0.1	<1
<i>Trachymene pilosa</i>	<0.1	<1
<i>Crassula colorata</i>	<0.1	<1
* <i>Hypochoeris glabra</i>	Flat	2

* introduced species