

2. SITE FEATURE SURVEY

Brown McAllister Surveyors

SITE doc ref: 220317 Site Feature Survey 22510-1F

FEATURE SURVEY OF
No 1 CURTIS WAY, GIRRAWHEEN (CORNER OF MARANGAROO DRIVE)
LOT 501 ON DEPOSITED PLAN 420267
Client: PARRY & ROSENTHAL ARCHITECTS

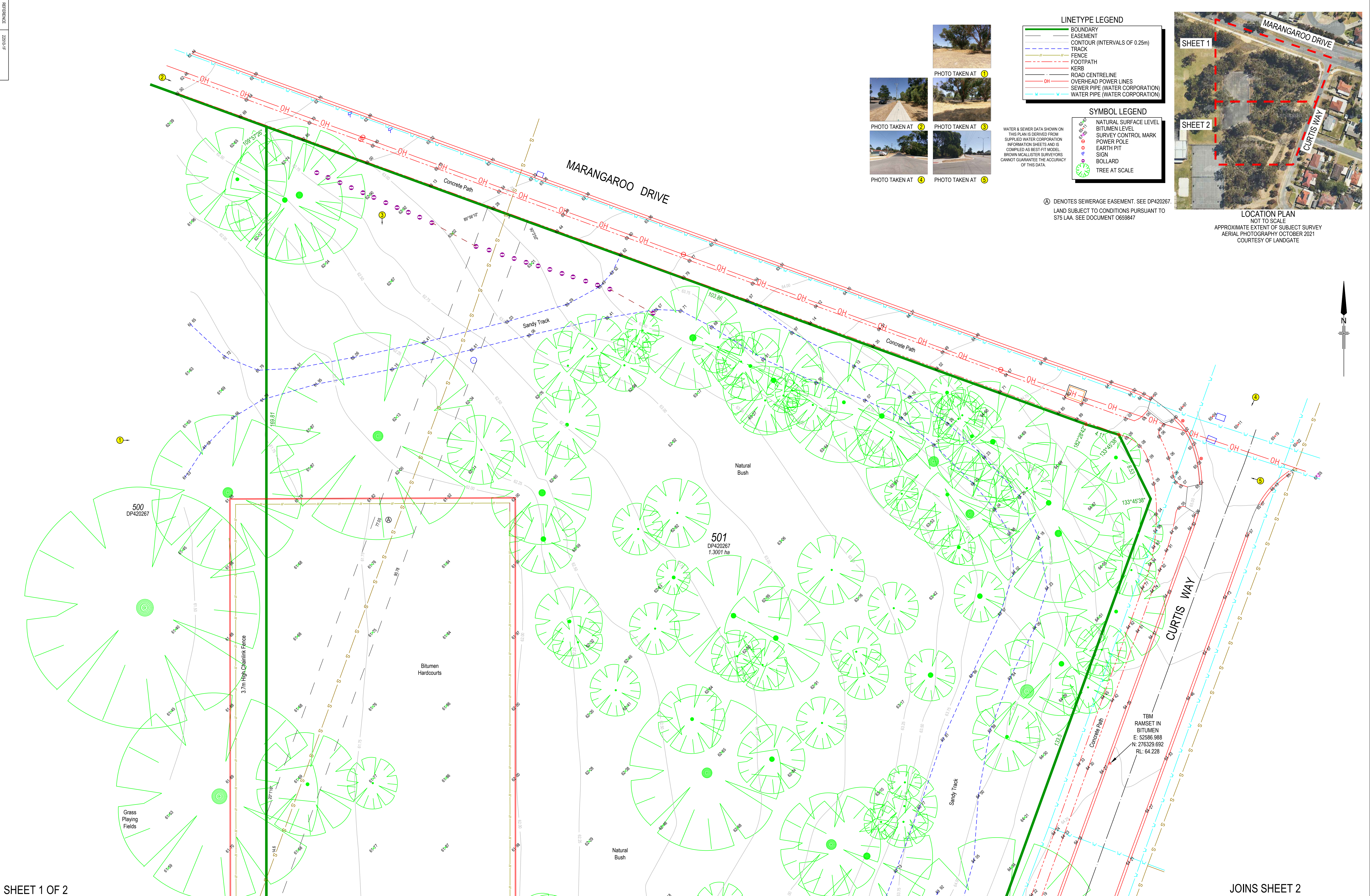
DATUM
HORIZONTAL - PCG 94
VERTICAL - AHD
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SCALE 1:200
0 2.5 5 7.5 10
All distances in metres unless stated otherwise
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EXISTING BOUNDARY DIMENSIONS AND LOT AREAS HAVE BEEN TAKEN FROM LANDGATE RECORD DP420267
THE BOUNDARIES WERE NOT RE-ESTABLISHED AS PART OF THIS SURVEY THEREFORE THIS PLAN DOES NOT GUARANTEE THEIR ACCURACY
FIELD INSPECTION IS RECOMMENDED FOR LOCATION OF SERVICES PRIOR TO ANY EXCAVATION.

APPROVED & ISSUED TO CLIENT		DATE		DRAWN		CHECKED	
No.		23/02/2022		J.HUMPHREYS		T.PIZZI	
DETAILS							
REVISIONS							

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SHEET	A1
SURVEYED	M.WALL - 18/02/2022
FIELD NOTES	
DRAWN	J.HUMPHREYS - 23/02/2022
CHECKED	
REFERENCE	22510-1F



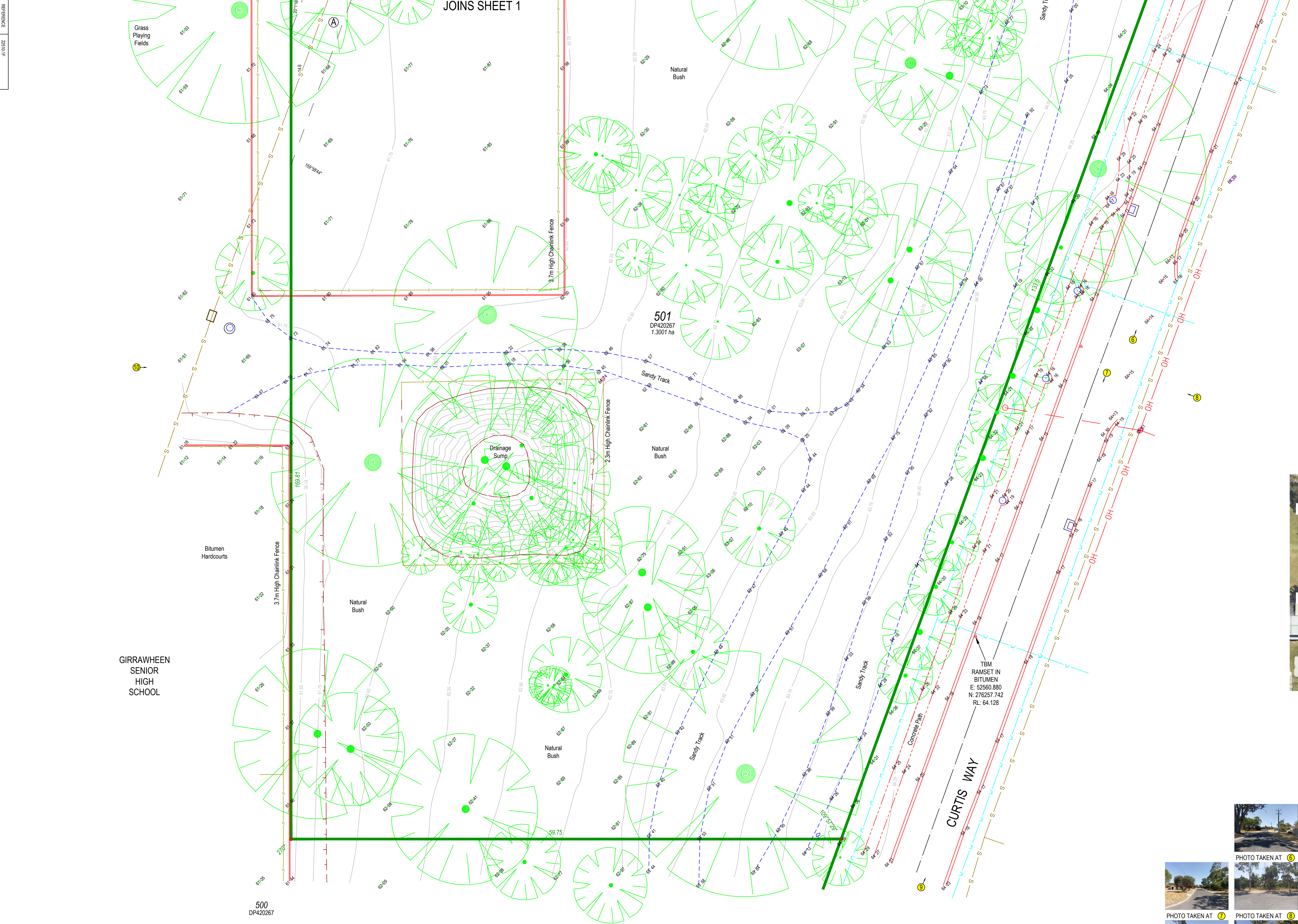
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	BOUNDARY
	EASEMENT
	CONTOUR (INTERVALS OF 0.25m)
	TRACK
	FENCE
	FOOTPATH
	KERB
	ROAD CENTRELINE
	OVERHEAD POWER LINES
	SEWER PIPE (WATER CORPORATION)
	WATER PIPE (WATER CORPORATION)

SYMBOL LEGEND	
	NATURAL SURFACE LEVEL
	BITUMEN LEVEL
	SURVEY CONTROL MARK
	POWER POLE
	EARTH PIT
	SIGN
	BOLLARD
	TREE AT SCALE

WATER & SEWER DATA SHOWN ON THIS PLAN IS DERIVED FROM SUPPLIED WATER CORPORATION INFORMATION SHEETS AND IS COMPILED AS BEST-FIT MODEL. BROWN McALLISTER SURVEYORS CANNOT GUARANTEE THE ACCURACY OF THIS DATA.

Ⓐ DENOTES SEWERAGE EASEMENT. SEE DP420267.
LAND SUBJECT TO CONDITIONS PURSUANT TO S75 LAA. SEE DOCUMENT 0659847





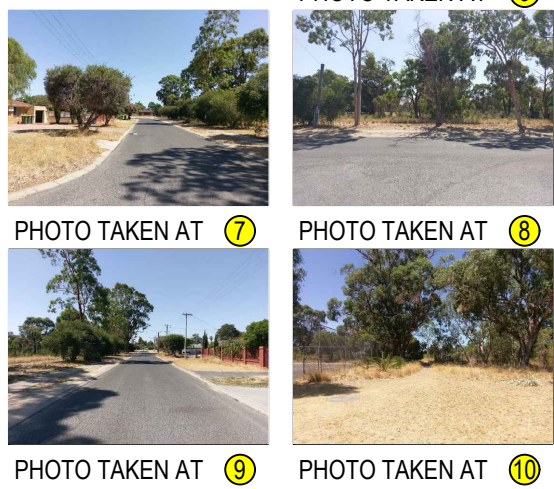
LOCATION PLAN
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APPROXIMATE EXTENT OF SUBJECT SURVEY
AERIAL PHOTOGRAPHY OCTOBER 2021
COURTESY OF LANDGATE

LINETYPE LEGEND	
	BOUNDARY
	EASEMENT
	CONTOUR (INTERVALS OF 0.25m)
	TRACK
	TOP OF BANK
	BOTTOM OF BANK
	FENCE
	FOOTPATH
	KERB
	ROAD CENTRELINE
	OVERHEAD POWER LINES
	SEWER PIPE (WATER CORPORATION)
	WATER PIPE (WATER CORPORATION)

SYMBOL LEGEND	
	NATURAL SURFACE LEVEL
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3. ENVIRONMENTAL ASSESSMENT REPORT

Aurora Environmental

SITE doc ref: 230421 VCA-2021-001-REPT-001-RD_V4

Vietnamese Cultural Centre Lot 501 (No. 1) Curtis Way Girrawheen: Environmental Assessment Report



Prepared For:	Vietnamese Community in Australia (WA Chapter) c/- site Planning & Design PO Box 663 SOUTH PERTH WA 6951
Report Number:	AP2022-150
Report Version:	4
Report Date:	21 April 2023

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Document No: VCA-2021-001-REPT-001-RD_V4

Report No: AP2022-150

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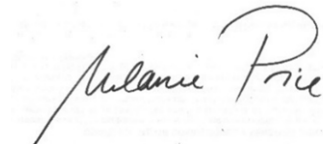


21 April 2023

Signature

Date

Author: Melanie Price
Principal Environmental
Scientist (Zoologist)



21 April 2023

Reviewed by: Paul Zuvela
Manager – Environmental
Impact Assessment &
Approvals



21 April 2023

Signature

Date

DISTRIBUTION

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EXECUTIVE SUMMARY

No. 1 (Lot 501) Curtis Way, Girrawheen (the site) was transferred to the Vietnamese Community in Australia – WA Chapter (VCA) as conditional freehold by the State Government in 2020. The land was transferred to the VCA for the purposes of developing a cultural centre for the Vietnamese Community. The VCA commissioned Aurora Environmental to undertake an environmental assessment to document the existing environmental attributes and values of the site. This has involved reviewing a range of information sources, undertaking a spring flora and vegetation survey and a basic fauna and targeted survey for three species of black cockatoo.

The investigation determined the following:

- There were no environmental risks or impacts identified associated with topography, soil type (including acid sulfate soils), contamination, wetlands, water courses, Aboriginal or European heritage.
- Approximately 0.7 ha of native vegetation is present within the site comprising EmEg: *Eucalyptus marginata* / *E. gomphocephala* Woodland over *Banksia attenuata* Low Open Woodland over *Xanthorrhoea preissii* Shrubland.
- Vegetation condition ranges from 'Completely Degraded' to 'Good'.
- The vegetation does not represent Banksia Woodland Threatened Ecological Community.
- The distribution of Tuarts across the site and on adjacent land meets the criteria of Tuart Woodland Threatened Ecological Community. The patch of vegetation is estimated to be 1.98 ha (including vegetation adjacent to the site). The concept plan for the site indicates that only 0.53 ha (0.05 ha tuart canopy) of this vegetation community will be impacted by the development, which is not considered to be a significant impact as defined under the EPBC Act.
- 93 plant species were recorded on the site during the Detailed Flora survey comprising 63 native and 30 introduced species.
- No Threatened plant species were recorded on the site. However, 68 specimens of Priority 4 taxon, *Jacksonia sericea*, were recorded.
- Three species of conservation significant fauna were identified as potentially occurring in the survey area:
 - *Calyptorhynchus latirostris* (Carnaby's Cockatoo) Endangered: Likely to occur as foraging habitat is present within the site.
 - *Calyptorhynchus baudinii* (Baudin's Cockatoo) Endangered: May occur as foraging habitat is present within the site.
 - *Calyptorhynchus banksii naso* (Forest Red-tailed Black-Cockatoo, Karrak) Vulnerable: May occur as foraging habitat is present within the site.
- A targeted survey for the three threatened species of black cockatoo indicated that:
 - The site is within the published modelled distribution for Carnaby's cockatoo and forest red-tailed black cockatoo, but outside of the modelled distribution for Baudin's cockatoo.
 - The site provides 0.86 ha moderate to high quality foraging habitat for Carnaby's cockatoo. However, 0.86 ha is not large enough to be considered a significant resource (Department of Agriculture, Water and Environment, 2022b).
 - The preferred food source for forest red-tailed black cockatoo and Baudin's cockatoo (*Corymbia calophylla*) is not present and therefore the site is of lesser value to these species.

- Twenty five potential habitat trees were recorded but none contained suitable hollows for black cockatoos.
- No hollows exhibited signs of use by cockatoos.
- There was no evidence of black cockatoo roosting at the site.
- Environmental factors and objectives (EPA, 2016a and 2016b) considered be pertinent at the site include:
 - Flora and vegetation - To protect flora and vegetation so that biological diversity and ecological integrity are maintained; and
 - Terrestrial fauna - To protect terrestrial fauna so that biological diversity and ecological integrity are maintained.
- The design of the proposed Cultural Centre has been undertaken with consideration of potential impacts to native vegetation and flora within the site. The design has attempted to avoid clearing where possible and to minimise impacts to Tuart trees. However, it is estimated that 0.45 ha of native vegetation in 'Good' condition will be cleared. The predicted impacts related to the clearing include the following:
 - Loss of 0.45 ha of vegetation type EmEg in 'Good' condition representative of Karrakatta Complex - Central and South and FCT 28;
 - Loss of 0.53 ha of vegetation representative of Tuart Woodlands TEC (0.05 ha Tuart canopy);
 - Loss of 64 of the 68 specimens of *Jacksonia sericea*, a Priority 4 listed species.
- It is considered that the loss of EmEg vegetation, Tuart Woodlands and individual plants of *Jacksonia sericea* do not constitute a significant impact due to the small and fragmented areas involved and the reduction of impacts through avoidance of clearing trees and other vegetation. Therefore, the objective of the vegetation and flora environmental factor can be met.
- The design of the proposed Cultural Centre has been undertaken with consideration of potential impacts to fauna habitat. The design has attempted to avoid clearing where possible and to minimise impacts to the large trees within the site. However, it is estimated that 0.51 ha of habitat will be cleared. The predicted impacts related to the clearing include the following:
 - Loss of 0.51 ha of foraging habitat;
 - Loss of five potential habitat trees.
- It is considered that the loss of 0.51 ha of foraging habitat and five potential habitat trees do not constitute a significant impact due the small areas and number of trees involved, given that avoidance of clearing of vegetation has been incorporated into the design and that the objectives of the terrestrial fauna environmental factor can be met.
- As the project is not likely to have significant consequences to a TEC (0.53 ha TEC; 0.05 ha Tuart tree canopy) or Threatened species, referral under the EPBC Act is not considered to be required.
- The Project's environmental impacts are unlikely to be significant enough to warrant formal assessment either at the Scheme Amendment stage (via Section 48 of the EP Act) or under Section 38 of the EP Act. Therefore, a referral to the EPA is not recommended.
- If development approval and other related permits are granted by the City of Wanneroo, a clearing permit is unlikely to be required for the Project under the *Clearing of Native Vegetation Regulations*.
- It is recommended that a Construction Environmental Management Plan (CEMP) be prepared and implemented to mitigate and manage impacts to native vegetation and flora.

1 INTRODUCTION

1.1 BACKGROUND

No. 1 (Lot 501) Curtis Way, Girrawheen (the site) has been transferred to the Vietnamese Community in Australia – WA Chapter (VCA) by way of conditional freehold by the State Government in 2020. The land was transferred to the VCA for the purposes of developing a cultural centre for the Vietnamese Community. The Cultural Centre will be a place for the Vietnamese Community to undertake cultural practices, promote cross-cultural understanding, shared values and to commemorate the first Vietnamese people to settle in Australia. In addition, the centre will be a hub for indoor sports, bands, and performances.

The project comprises two phases:

Phase 1: Planning, design development, documentation and administration.

Phase 2: site works and construction of the cultural centre.

1.2 PURPOSE OF THIS REPORT

The purpose of this report is to identify and describe the environmental values of the site and to assess the environmental impacts of the construction of the Cultural Centre to support a rezoning of the site. This environmental assessment report also considers whether further investigations are required and outlines any environmental approvals that may be required for the project.

1.3 SCOPE OF WORK

The VCA commissioned Aurora Environmental to undertake an environmental assessment to document the existing environmental attributes and values of the site. This has involved reviewing a range of information sources such as publicly available datasets, spatial data, paid database searches and other relevant literature. In preparing this report, Aurora Environmental has considered the following:

- Geomorphology, geology and soils;
- Acid sulfate soils (ASS) risk;
- Hydrology and hydrogeology;
- Historic land uses and the potential for the presence of contamination;
- Flora and vegetation;
- Terrestrial fauna;
- Conservation areas, ecological linkages and environmentally sensitive areas; and
- Heritage values.

To support the environmental assessment, the VCA also commissioned Aurora Environmental to conduct a basic fauna survey and a targeted black cockatoo habitat assessment. The results of these assessments have been included in this report. PGV Environmental (2022) was commissioned to undertake a detailed flora and vegetation survey of the site. These investigations included:

- Desktop studies to gather contextual information about the biological values that may be present at the site.
- A field survey to record flora, native vegetation types and vegetation condition;
- A day-time general fauna survey and habitat assessment to record terrestrial fauna habitat, habitat condition and record fauna present on the site from opportunistic observations (such as sightings, evidence of calls, scats, tracks, diggings, nests, etc.) and active searching of specific habitats;
- A site assessment of black cockatoo habitat including identification of foraging, breeding and roosting habitat.

2 PROJECT OVERVIEW

2.1 PROJECT DESCRIPTION

The VCA are proposing to construct a new cultural centre for the Vietnamese Community in Western Australia. The Centre will be a place for the Vietnamese Community to undertake cultural practices, promote cross-cultural understanding, share values and to commemorate the first Vietnamese people to settle in Western Australia (Parry and Rosenthal, 2022).

The Concept Design (Appendix A) for the Cultural Centre responds to the site's existing features. The Plan indicates the development will include the following:

- Multi-purpose Cultural Centre which includes meeting rooms, office, kitchen, bathroom facilities, storeroom and a plant/equipment room;
- Entry statements; and
- Car parking.

2.2 SITE IDENTIFICATION

No. 1 (Lot 501) Curtis Way, Girrawheen is in the City of Wanneroo approximately 12.5 km north of the Perth Central Business District (Figure 1). The site is bounded by Curtis Way to the east, Marangaroo Drive to the north and Girrawheen Senior High School to the west and south.

Pertinent site identification information is provided in Table 1.

TABLE 1: SITE IDENTIFICATION DETAILS

ASPECT	DETAILS
Street Address	1 Curtis Way, Girrawheen Western Australia.
Local Government	City of Wanneroo
Site Details	Lot 501 Plan 420267
Site Size	1.30 hectares (ha)
Project Area Coordinates	Northwest: -31.83537943 115.84296320 Northeast: -31.83573535 115.84407866 Southeast: -31.83694989 115.84353928 Southwest: -31.83692053 115.84295953
Site Owner	Vietnamese Community in Australia – Western Australia Chapter Inc.
Current Zoning	Metropolitan Region Scheme (MRS) Zone: Public Purpose (High School). City of Wanneroo District Planning Scheme [DPS] No. 2: Public Purpose (MRS). Source: IntraMap (City of Wanneroo, 2022)
Current Site Use	Vacant, undeveloped land
<i>Contaminated Sites Act 2003</i> Classification	Not registered as contaminated.

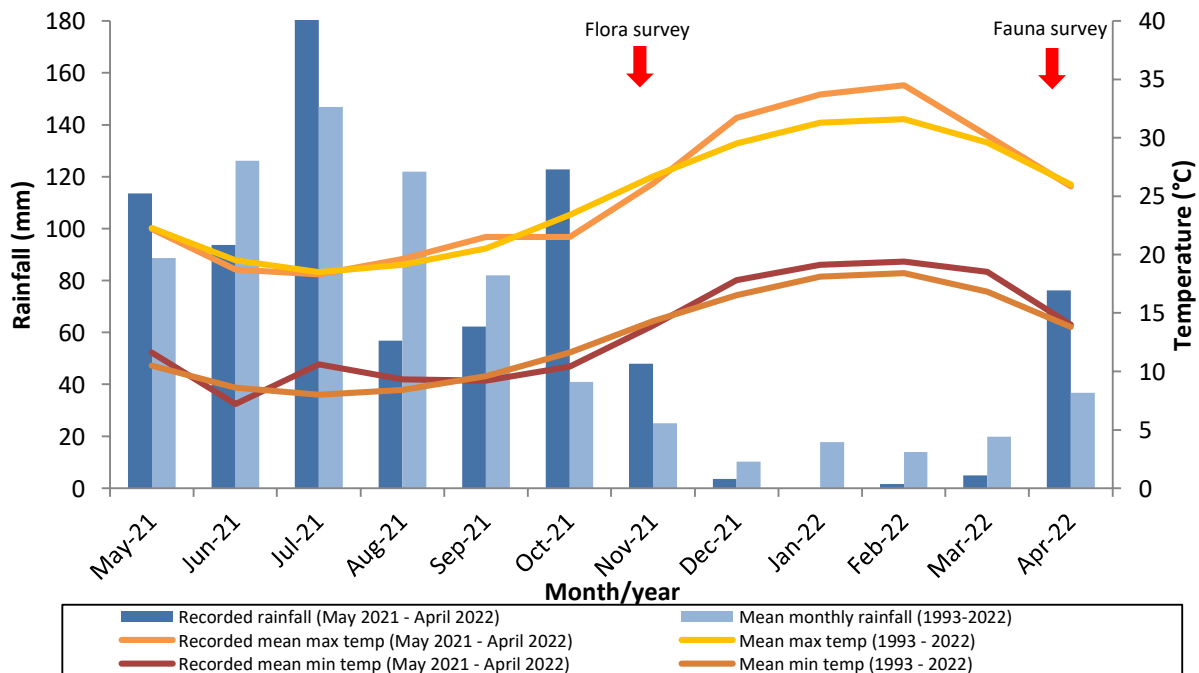
3 EXISTING ENVIRONMENT

3.1 CLIMATE

The following climate data have been sourced from the Bureau of Meteorology (BOM) averages for Station 009225 (Perth Metro) which is 9.3 km from the site (Data range 1993 – 2022) (Plate 1).

- Rainfall in the Perth area is seasonal and generally confined to winter months (June to September). Mean monthly rainfall is highest in July at 146.8 mm. The lowest mean monthly rainfall is 10.2 mm in December. The annual average rainfall is 736.8 mm.
- The highest temperatures occur in February, with a mean monthly maximum temperature of 31.5 °C and a minimum of 18.3 °C. The lowest temperatures occur in July, with a mean monthly maximum temperature of 18.5 °C and a minimum of 8.1 °C.

PLATE 1: RAINFALL AND TEMPERATURE DATA FOR PERTH METRO STATION (BOM STATION 009225)



3.2 TOPOGRAPHY

The site is almost flat with a very gentle slope down from the east at 64 m Australian Height Datum (AHD) to the western side at 62 m AHD (Figure 2).

3.3 GEOMORPHOLOGY, GEOLOGY AND SOILS

The site is located within the Swan Coastal Plain (SCP). The SCP is generally a flat, low-lying belt approximately 23 km wide in the south and 34 km wide in the north. It comprises a series of distinct landforms, aligning roughly parallel to the coast. These units consist of three dune formations (Quindalup Dunes, Spearwood Dunes and Bassendean Dunes) of aeolian origin, followed by an alluvial

zone known as the Pinjarra Plain, which consists of a clayey alluvium that has been transported by rivers and streams from the adjacent Darling Scarp.

The site is mapped as part of the Spearwood System which has the highest relief of the dune systems on the Swan Coastal Plain (Bolland, 1998). The Spearwood system consists of slightly calcareous aeolian sand remnant from leaching of the underlying Pleistocene Tamala limestone (Davidson, 1995).

According to the Geological Survey of Western Australia 1:50,000 Environmental Geology Series map “Yanchep” (Gozzard, 1982) the site is mapped as Sand (Unit S₇) derived from Tamala limestone, which is described as pale and olive yellow, medium to coarse-grained, sub-angular quartz with a trace of feldspar of residual origin.

The site is mapped as soil unit 211Sp_Ky, Karakatta Sand Yellow Phase, which is described as low hilly to gently undulating terrain comprised of yellow sand over limestone at 1-2 m. The vegetation is typically dominated by *Banksia* spp. woodland with scattered emergent Tuart (*Eucalyptus gomphocephala*) and Jarrah (*E. marginata*) and a dense shrub layer.

3.4 ACID SULFATE SOILS

Acid sulfate soils (ASS) is the name commonly given to naturally occurring soils and sediment containing iron sulfide materials. In their natural state, ASS are generally present in waterlogged anoxic conditions and do not present any risk to the environment. When exposed to air, ASS produce sulfuric acid, which can present risks to the environment, infrastructure and human health. ASS risk mapping shows the site has no evidence of risk occurring in the natural soil surface, which is consistent with the geological mapping for the area.

3.5 SURFACE HYDROLOGY

The site is situated within the Swan Coastal Basin, a large catchment which is drained by two major river systems: the Swan and Canning Rivers. At a sub-catchment level, the site is in the Wanneroo Coastal Lakes Catchment. The site is not within any proclaimed Surface Water Areas or Irrigation Districts.

There are no wetlands or watercourses mapped within or adjacent to the site. The nearest wetland is 3 km north-west of the site.

3.6 HYDROGEOLOGY

There are three major groundwater aquifers beneath the site (in order of increasing depth):

- The shallow unconfined superficial aquifer;
- The deeper mostly confined Leederville aquifer; and
- The deeper mostly confined Yarragadee aquifer.

The superficial aquifer is hydraulically connected and is managed as a single groundwater resource called the Perth – Superficial Swan. This aquifer is recharged directly by rainfall infiltration. The Leederville aquifer is divided into the upper and lower Leederville units based on the green clay marker and is managed as two separate groundwater resources (Department of Water, 2012). The Leederville

aquifer is recharged via downward leakage from the Superficial aquifer. The Yarragadee aquifer is a multilayered aquifer system.

The site occurs within the West Mirrabooka Underground Water Pollution Control Area (UWPCA) which is mapped as a Priority 3 Public Drinking Water Source Area (PDWSA). There are nine production bores within this PDWSA abstracting groundwater from the superficial aquifer (Department of Water, 2011). The site is not located within the wellhead protection zone for the nine production bores.

Groundwater levels at the site are approximately 29 to 30 mAHD which are 32 to 33 m below the surface level (Department of Water and Environmental Regulation; DWER, 2022).

Two groundwater monitoring wells (IDs 61604317 and 61604318) are shown to the south of the site. There is no groundwater level information available for these monitoring wells.

A search of the DWER's Water Register shows there is one groundwater abstraction licence registered for the site. Licence 155312 has been granted to the Department of Education, permitting the abstraction of 1,178,070 kL of water from the superficial aquifer. This licence covers multiple properties in the Perth metropolitan area. Two abstraction bores are shown south-west of the site and within the grounds of Girrawheen Senior High School.

3.7 FLORA AND VEGETATION

A detailed flora and vegetation survey was undertaken in accordance with EPA Technical Guidance Flora and Vegetation Surveys for Environmental Impact Assessment (EPA, 2016b) by PGV Environmental (2022) in November 2021.

3.7.1 Regional Context

The site lies within the SCP Interim Biogeographic Regionalisation for Australia (IBRA) region (Thackway and Cresswell, 1995). The SCP IBRA region is broadly compatible with the Swan Coastal Plain (Drummond Botanical Sub-district) Phytogeographical Subregion as described by Beard (1990). This region is characterised by *Banksia* low woodlands on leached sands, woodlands of *Eucalyptus gomphocephala* (Tuart), *Eucalyptus marginata* (Jarrah) and *Corymbia calophylla* (Marri) on less leached soils and *Melaleuca* spp. swamps.

Pre-European mapping indicates that the site is associated with vegetation belonging to Beard Vegetation Association 1001 which is described as Medium very sparse woodland comprising Jarrah with low woodland of *Banksia* and *Casuarina*.

Vegetation complexes are a broad scale vegetation description which is based on the underlying geomorphology and rainfall (Hedde *et al.*, 1980). The vegetation is part of the Karrakatta Complex – Central and South (Table 2).

TABLE 2: REGIONAL VEGETATION COMPLEX DESCRIPTION

COMPLEX	DESCRIPTION
Karrakatta Complex – Central and South	Open Forest of Tuart-Jarrah-Marri, with Jarrah and Marri replacing Tuart while progressing eastwards. <i>Banksia attenuata</i> , <i>Banksia menziesii</i> , <i>Banksia grandis</i> and <i>Allocasuarina fraseriana</i> are also common tree species. (After Hedde <i>et al.</i> 1980)

3.7.2 Vegetation Types

Approximately 0.7 ha of native vegetation is present within the site and one native vegetation type was mapped and described (PGV Environmental, 2022; Table 3; Figure 3).

TABLE 3: VEGETATION TYPES ON THE SITE

VEGETATION TYPE	DESCRIPTION
EmEg <i>Eucalyptus marginata</i> / <i>E. gomphocephala</i> Woodland over <i>Banksia attenuata</i> Low Open Woodland over <i>Xanthorrhoea preissii</i> Shrubland	<i>Eucalyptus marginata</i> (Jarrah) and <i>Eucalyptus gomphocephala</i> (Tuart) up to 12 m high with Jarrah the main tree species and Tuart more sparsely distributed around the site. <i>Banksia attenuata</i> was usually present to 4 m at low density (<5% cover). <i>Xanthorrhoea preissii</i> was the most abundant shrub species. Other common native species include <i>Jacksonia sternbergiana</i> , <i>Xanthorrhoea brunonis</i> , <i>Morelotia octandra</i> , <i>Corynotheca micrantha</i> , <i>Mesomelaena pseudostygia</i> , <i>Jacksonia sericea</i> and <i>Hardenbergia comptoniana</i> .

3.7.3 Vegetation Condition

The condition of the vegetation was assessed as described in Bush Forever (Government of Western Australia, 2000). The vegetation was rated in 'Good' condition due to the presence of aggressive weeds such as *Ehrharta calycina* (perennial Veldt Grass) (Figure 4). Parts of the site, especially tracks and firebreaks, old tennis court and stormwater sump are rated as 'Completely Degraded' due to the absence of native vegetation and presence of grassy weeds.

3.7.4 Conservation Significant Vegetation Communities

PGV Environmental (2022) conducted a search of DBCA's Threatened (TEC) and Priority Ecological Communities (PEC) database and identified four TECs and eight PECs at State level within 5 km of the site. There are five State listed PECs that are listed as part of TECs under the EPBC Act.

Based on the presence of *Banksia* sp. and Tuart (*Eucalyptus gomphocephala*), the vegetation was assessed against relevant criteria to determine if the vegetation is representative of the EPBC Act listed Banksia Woodlands of the Swan Coastal Plain (Banksia Woodlands TEC) or Tuart Woodlands and Forests of the Swan Coastal Plain (Tuart Woodlands TEC) TECs (PGV Environmental, 2022). It was determined that:

- The vegetation does not represent Banksia Woodland TEC as *Banksia* trees did not form a prominent tree layer on any part of the site.
- The distribution of Tuarts across the site is such that there is a patch of Tuart Woodland which is large enough and in good enough condition to meet the criteria of Tuart Woodland TEC. The patch of vegetation is estimated to be 1.98 ha, including Tuart trees in parkland adjacent to the site (Figure 5).

3.7.5 Flora

A total of 93 plant species were recorded on the site during the Flora survey comprising 63 native and 30 introduced species. The most speciose family was Fabaceae (Pea and Wattle family), with 13 taxa

recorded (10 native and three introduced species) followed by Poaceae (Grass family), with 10 taxa (two native, eight introduced species) and the Proteaceae (Banksia family) with nine taxa (all native species) (PGV Environmental, 2022).

Species richness averaged 34.3 species per quadrat (PGV Environmental, 2022). The species richness is commensurate with the vegetation condition (rated as 'Good') indicating species diversity has been impacted by disturbance processes.

3.7.6 Conservation Significant Flora

Database searches identified 64 species of threatened, endangered or priority flora that may be found at the site and most were considered unlikely to occur based on the available habitat (PGV Environmental, 2022). No Threatened plant species were recorded during the survey however, 68 specimens of Priority 4 taxon, *Jacksonia sericea* were found (Figure 3) and it is possible that more may be present at the site (PGV Environmental, 2022).

3.8 DIEBACK

A review of the Dieback Information Delivery and Management System (Project Dieback and South Coast Natural Resource Management, 2022) indicated that the site has not been identified as a location where *Phytophthora* dieback has been recorded. However, this does not exclude the potential for dieback to be present.

3.9 CONSERVATION SIGNIFICANT AREAS

3.9.1 Environmentally Sensitive Areas

There are no mapped Environmentally Sensitive Areas (ESAs) on the site. However, there are multiple ESAs to the north-west, north-east and east of the site.

3.9.2 Bush Forever

No Bush Forever areas occur within the site. The nearest Bush Forever areas are:

- Site No. 328 which is approximately 750 m north-west of the site; and
- Site No. 493 which is approximately 1,450 m north-east of the site.

3.9.3 Ecological linkages

The site is not shown as a component of any ecological linkage as shown in the regional ecological linkage mapping for the Perth Metropolitan Region by the Western Australian Local Government Association (WALGA, 2004). The nearest regional ecological linkage is approximately 1.3 km north-east of the site. The site is surrounded by urban areas and is not connected to other bushland areas.

3.9.4 DBCA Managed Lands

The site is not a part of, or adjacent to any lands under the management of the DBCA.

3.10 FAUNA

A basic fauna survey was undertaken in accordance with EPA Technical Guidance Terrestrial Fauna Surveys for Environmental Impact Assessment (EPA, 2020).

3.10.1 Desktop Assessment

Prior to the commencement of the fauna field survey, a desktop assessment was undertaken to identify species and habitat that are likely to occur on site and in surrounding areas. The desktop assessment involved a review of:

- DBCA NatureMap database for fauna species previously recorded within and around the site (DBCA, 2022a) (Appendix B).
- DBCA (2022b) threatened and priority fauna database (Appendix C).
- DBCA black cockatoo spatial data.
- Protected Matters Search Tool to identify communities and species listed under the EPBC Act potentially occurring within and around the site (Department of Agriculture, Water and the Environment 2022a) (Appendix D).

A NatureMap database search was provided by DBCA on 23 May 2022 for a radius of 10 km around the site. Due to the size of the search area, the data includes species associated with habitats that may not be present on the site or contain records of species that no longer occur at this location.

The NatureMap database search identified records for 661 species comprising 49 mammal, 280 bird, 89 reptile, nine frog, 93 fish and 141 invertebrate species.

3.10.2 Conservation Significant Fauna

The PMST and the DBCA Threatened and Priority Fauna Databases were analysed to compile a list identifying potential presence of habitat, or potential presence of conservation significant fauna species at the site (Appendix E). Consideration was given to the likelihood of the species being present based on mapped distribution, specimens formerly identified or the presence of suitable habitat. The list excludes species that are exclusively marine or migratory.

Thirty seven conservation significant fauna were identified in the database searches (Appendix C). Analysis of these results identified that the following three species may occur at the site:

- *Zanda latirostris* (also known as *Calyptorhynchus latirostris*) (Carnaby's Cockatoo) Endangered: Likely to occur as foraging habitat is present within the site.
- *Zanda baudinii* (also known as *Calyptorhynchus baudinii*) (Baudin's Cockatoo) Endangered: May occur as foraging habitat is present within the site.
- *Calyptorhynchus banksii naso* (Forest Red-tailed Black-Cockatoo, Karrak) Vulnerable: May occur as foraging habitat is present within the site.

Data provided by DBCA for black cockatoo breeding and roosting indicates the following:

- There are confirmed roosts in Warwick (2 km to the west of the site) and Ballajura (approximately 3 km to the east of the site).
- The closest potential known natural breeding location is 11 km to the north of the site.
- The closest potential artificial breeding hollow is 10.8 km to the north-west of the site.
- The nearest confirmed natural breeding area is approximately 30 km to the east (in the Darling Ranges).

Based on the desktop assessment which included consideration of vegetation types, habitat and the range of conservation significant fauna, a targeted survey for black cockatoos was conducted. In accordance with the referral guideline for 3 WA threatened black cockatoo species (Department of Agriculture, Water and the Environment, 2022b).

3.10.3 Limitations of Data Searches

The EPBC Act PMST is based on bioclimatic modelling for the potential presence of species. As such, the mapping does not represent actual records of the species in the area. The records from the DBCA searches of threatened flora and fauna provide more accurate information for the general area. However, some records of collections, sightings or trappings cannot be dated and may misrepresent the current range of threatened species.

3.10.4 Site Assessment

A site reconnaissance assessment was undertaken on 29 April 2022 by Melanie Price of Aurora Environmental, an experienced environmental scientist and qualified zoologist.

Fauna Habitat Assessment

The fauna habitat assessment documented the type, condition and extent of habitats within the site (Table 4). Vegetation, landform and soil units were used to define the broad fauna habitat types. Photographs are provided in Plate 2.

TABLE 4: FAUNA HABITAT SUMMARY

LOT 501 CURTIS WAY, GIRRAWHEEN	
Habitat Structure	<p>EmEg <i>Eucalyptus marginata</i>/E. <i>gomphocephala</i> Woodland over <i>Banksia attenuata</i> Low Open Woodland over <i>Xanthorrhoea preissii</i> Shrubland.</p> <p><i>Eucalyptus marginata</i> (Jarrah) and <i>Eucalyptus gomphocephala</i> (Tuart) up to 12 m high with Jarrah the main tree species and Tuart more sparsely distributed around the site. <i>Banksia attenuata</i> was usually present to 4 m at low density (<5% cover). <i>Xanthorrhoea preissii</i> was the most abundant shrub species. Other common native species include <i>Jacksonia sternbergiana</i>, <i>Xanthorrhoea brunonis</i>, <i>Morelotia octandra</i>, <i>Corynotheca micrantha</i>, <i>Mesomelaena pseudostygia</i>, <i>Jacksonia sericea</i> and <i>Hardenbergia comptoniana</i>. The soils comprised yellowish grey to dark brown sands.</p> <p>Vegetation condition was rated as 'Good' (Government of Western Australia, PGV Environmental, 2022).</p>

Presence or absence of refugia	Low to medium density understorey. Woodland trees such as <i>E. marginata</i> and <i>E. gomphocephala</i> provide some refugia. Some fallen logs and branches.
Presence or absence of wetlands/ waterways	No natural waterways or wetlands. A stormwater sump (dry during the survey) has been excavated near the centre of the survey area.
Location of habitat within survey area compared to surrounding landscape	The survey area comprises a small patch of disturbed native vegetation (stepping stone) in an urban landscape. There are parks and ovals nearby. The nearest areas of native vegetation are Marangaroo Golf Course (650 m to the north-west, vegetation on the corner of Mirrabooka Avenue and Aristos Way (670 m to the north-east), bushland at Montrose Park, 1 km to the south-east and bushland adjacent to Warwick Stadium, 2 km to the west.
Habitat connectivity	Low connectivity due to urbanisation of surrounding areas.
Current land use and disturbance	7,000 m ² of native vegetation with disturbed areas including a stormwater sump, tennis court and firebreaks.
Evaluation of likelihood of occurrence of conservation significant fauna	Carnaby's cockatoo may use the area for foraging. Foraging values are moderate to high due to the presence of Banksia species and Eucalypts with small fruit. There are tall trees that could be used for roosting. However, there is no evidence of roosting occurring within the site.
Vegetation/ habitat condition	Moderate quality habitat in an urbanised landscape.

PLATE 2: PHOTOGRAPHS OF VEGETATION



Survey area (northern section)



Dead tree with hollow



Survey area (middle section)



Survey area (Curtis Way)



Survey area (eastern edge)

Fauna species detected during the survey are listed in Table 5.

TABLE 5: FAUNA SPECIES OBSERVED DURING SURVEY

SPECIES NAME	COMMON NAME
<i>Barnardius zonarius</i>	Twenty eight parrot
<i>Eolophus roseicapillus</i>	Pink and Grey Galah
<i>Platycercus icterotis</i>	Western rosella
<i>Gymnorhina tibicen</i>	Magpie
<i>Anthochaera carunculata</i>	Red Wattlebird
<i>Lichmera indistincta</i>	Brown honeyeater
<i>Phylidonyris novaehollandiae</i>	New Holland honeyeater
<i>Rhipidura leucophrys</i>	Willie Wagtail
<i>Grallina cyanoleuca</i>	Magpie-lark
<i>Corvus coronoides</i>	Australian Raven

No evidence of conservation significant fauna was identified during the survey.

Black Cockatoo Habitat Assessment

Habitat used by black cockatoos can be categorised as described in *Referral guideline for 3 WA threatened black cockatoo species* (Department of Agriculture, Water and the Environment, 2022b):

- Foraging habitat;
- Breeding habitat; and
- Night roosting habitat.

The site is within the published modelled distribution for Carnaby's cockatoo and forest red tailed black cockatoo, but outside of the modelled distribution for Baudin's cockatoo (Department of Agriculture, Water and the Environment, 2022b). Habitat within the site contains species of plants which are known to be used by black cockatoos for foraging, breeding and night roosting.

Foraging Habitat

No evidence of black cockatoo foraging was observed during the site assessment. However, suitable foraging plants were recorded (Table 6).

TABLE 6: FORAGING PLANTS RECORDED WITHIN THE SITE

PLANT SPECIES	CARNABY'S COCKATOO	BAUDIN'S COCKATOO	FOREST RED-TAILED BLACK COCKATOO
High Value Food Source			
<i>Banksia attenuata</i>	✓	✓	
<i>Banksia menziesii</i>	✓	✓	
<i>Eucalyptus gomphocephala</i>	✓		
Medium Value Food Source			
<i>Eucalyptus marginata</i>	✓	✓	✓
<i>Xanthorrhoea preissii</i>	✓		
Low Value Food Source			
<i>Acacia saligna</i>	✓		
<i>Banksia dallanneyi</i>	✓		

Based on the plant species available and cross-referencing with foraging preference for the three species, the habitat within the site provides food resources primarily for Carnaby's cockatoo. The habitat present is of lesser value to forest red-tailed black cockatoo and Baudin's cockatoo due to its location, i.e. outside of the species distribution, and/or the composition of plant species. Approximately 90% of the forest red-tailed black cockatoo diet comprises the nuts from *Corymbia calophylla* and fruit from *Eucalyptus marginata* (DBCA, 2017a). Similarly, Baudin's preferentially feed upon the nuts from *Corymbia calophylla* as well as on various *Banksia* species and the fruit from *Eucalyptus marginata* (DBCA, 2017b). *Corymbia calophylla*, the preferred food source for forest red-tailed black cockatoo and Baudin's cockatoo is not present on the site.

The site has only 0.7 ha of native vegetation. Areas previously cleared for tennis courts and fire breaks have no habitat value and the remaining vegetation is in a highly cleared landscape. The site is within 2 km of a confirmed roosting area but there is no water source present. As the native vegetation is <1 ha, the foraging scoring template for black cockatoos does not apply (Department of Agriculture, Water and the Environment, 2022b). The native vegetation does comprise moderate – high quality foraging habitat for Carnaby's cockatoos but is unlikely provide a significant food source for Black Cockatoos given the limited amount of vegetation available.

Breeding and Roosting Habitat

Carnaby's cockatoos have large roost sites generally situated within 6 km of potential feeding sites, and smaller roost sites for when foraging distances are too large (DBCA, 2017c). Carnaby's cockatoos commence breeding from four years of age, and nest in hollows of large, old (c. 120-130 years) *Eucalyptus* species, particularly *Eucalyptus salmonophloia* and *Eucalyptus wandoo* (DBCA, 2017c).

Baudin's cockatoos require large natural hollows that form in old (>100 years old) *Eucalyptus diversicolor*, *Corymbia calophylla*, *Eucalyptus wandoo*, *Eucalyptus gomphocephala* and *Eucalyptus megacarpa* trees for nesting (DBCA, 2017b). Nest hollows have a diameter of 30-40 cm and are generally more than 30 cm deep (DBCA, 2017b).

Suitable roost sites for forest red-tailed black cockatoo are usually situated within Jarrah-Marri-Blackbutt habitat within approximately 4 km of potential feeding sites (DBCA, 2017a). Forest red-tailed black cockatoo require large natural hollows that form in very large and old (>100 years old) Marri trees (DBCA, 2017a). Nest hollows generally have a diameter of approximately 30 cm and are generally more than 1 m deep (DBCA, 2017a).

Assessment of black cockatoo breeding habitat involves the identification of all suitable breeding tree species that have a diameter at breast height (DBH) of over 50 cm, or a DBH greater than 30 cm for species such as *Eucalyptus wandoo* and *Eucalyptus salmonophloia*. Roosting habitat can comprise any tall tree that provides an opportunity for black cockatoos to roost.

Twenty five potential habitat trees were recorded (Figure 6, Appendices F and G) comprising:

- 15 Tuart (*Eucalyptus gomphocephala*);
- Seven Jarrah (*Eucalyptus marginata*);
- One Sugar Gum (non-local species, *Eucalyptus cladocalyx*); and
- Two dead trees (all with DBH greater than 50 cm).

One tuart and one dead tree had hollows greater than 10 cm at entry. However, the hollows were close to the ground (lower than 3 m) and therefore likely to preclude use by black cockatoos. Two trees (Jarrah and dead tree) had hollows (less than 5 cm) and therefore considered unsuitable for black cockatoo nesting. No hollows exhibited signs of use by cockatoos.

There was no evidence of black cockatoo roosting on the site, such as moulted feathers and droppings. The area is outside the known breeding range of Carnaby's cockatoos, and although the site is within the modelled distribution for forest black-tailed cockatoos (breeding/non-breeding habitat unspecified), the site does not represent a preferred habitat type (Department of Agriculture, Water and the Environment, 2022b).

Limitations

Limitations of the fauna survey are addressed in Appendix H. The survey did not experience any significant limitations and is a reasonable representation of the fauna likely to occur at the site.

3.11 CONTAMINATION

3.11.1 Contaminated sites Database

A search of the DWER's Contaminated sites Database indicated that the site is not classified as a contaminated site. The nearest contaminated site is approximately 3 km north of the site.

3.11.2 Review of Historical Aerial Photographs

Historical aerial photos available via Landgate website (www.landgate.wa.gov.au) were reviewed to ascertain a history of land uses at the site. The following provides a summary of changes noted at the site:

- In 1953 the site was completely vegetated along with the surrounding areas.
- In the 1965 and 1970 photos, the site remains vegetated.
- By 1974, the perimeter of the site had been extensively cleared. There had also been extensive clearing on land adjacent to the site. Clearing had been undertaken for the construction of Girrawheen High School to the west and residential development to the east. Land to the north had been cleared for the construction of Marangaroo Drive.
- The 1977 photo shows Girrawheen Senior High School had expanded with tennis courts on the western side of the site.
- A series of tracks trending east-west on the site through bushland were evident in the 1979 to 1989 images. In the 1989 image a stormwater basin had been constructed south of the tennis courts.
- From 1995 onwards, the tracks became substantial and degradation of the remaining vegetation was visually noticeable. Beyond 1995 there had not been any significant changes at the site.

Based on the review of the historical aerial photographs, there does not appear to be any activities within the site or nearby that may have resulted in contamination.

3.12 HERITAGE

3.12.1 Aboriginal Heritage

The Department of Planning, Lands and Heritage's (DPLH) Aboriginal Heritage Inquiry System (AHIS) shows no registered Aboriginal heritage sites or places as occurring within or near the site. The closest registered Aboriginal Heritage sites are approximately 3 km north-west and 3 km south-east of the site. Neither of the registered sites will be impacted by the project.

3.12.2 Non-Indigenous Heritage

A search conducted of the Heritage Council of Western Australia's inHerit database and the City of Wanneroo's Local Heritage Survey did not identify any heritage places as occurring within or near the site.

4 ENVIRONMENTAL ASSESSMENT

4.1 EPA ENVIRONMENTAL FACTORS

Environmental factors are factors that the Environmental Protection Authority (EPA) uses as an organising principle for environmental impact assessment, comprising a number of environmental values (EPA, 2021). The EPA has 14 environmental factors, organised into five themes: Sea, Land, Water, Air and People (EPA, 2021).

The relevance of each of the EPA's environmental factors are evaluated in Table 7. This evaluation has been conducted based on the information collated from desktop analysis of publicly available databases and other literature sourced by Aurora Environmental as well as the site surveys completed for the project.

TABLE 7: IDENTIFICATION OF RELEVANT EPA ENVIRONMENTAL FACTORS

THEME	FACTOR	DISCUSSION
Sea	Benthic habitat and communities	Not relevant. The site is not located within or adjacent to a marine environment.
	Coastal processes	
	Marine environmental quality	
	Marine fauna	
Land	Flora and vegetation	Relevant. The site contains approximately 0.7 ha of native vegetation rated as being in 'Good' condition. One Priority 4 taxon (<i>Jacksonia sericea</i>) was recorded during the detailed flora and vegetation survey. Flora and vegetation are considered in further detail in Section 4.2.
	Landforms	Not relevant. There are no unique landforms within the site.
	Subterranean fauna	Not relevant. Given the local geology, it is considered unlikely that subterranean fauna would be present.
	Terrestrial environmental quality	Not relevant. A review historical aerial photographs indicates the site does not appear to have had any historical uses which may have caused soil or groundwater contamination. ASS is not considered a risk based on desktop information which suggests the site is not within a mapped risk area.
	Terrestrial fauna	Relevant. The fauna survey and targeted black cockatoo habitat assessment determined that the site contains habitat potentially suitable for black cockatoo use. Foraging habitat quality was assessed as moderate to high

THEME	FACTOR	DISCUSSION
		<p>quality for Carnaby's cockatoo (and lower quality for Baudin's cockatoo and forest red-tailed black cockatoo). Twenty -five potential habitat trees were recorded. However, no evidence of roosting or breeding was observed within the site.</p> <p>Fauna is considered in further detail in Section 4.3.</p>
Water	Inland waters	<p>Not relevant.</p> <p>No wetlands or other surface water features are present within or adjacent to the site.</p> <p>Based on the depth to groundwater, dewatering will not be required. It is unknown if groundwater abstraction will be required for construction purposes.</p> <p>The site is not within a flood prone area.</p> <p>Incorporating water sensitive urban design principles into the project design will minimise impacts to groundwater and help maintain the natural hydrology. Measures may include:</p> <ul style="list-style-type: none"> • Capturing and infiltrating stormwater runoff from hard stand areas (such as car parks, paved areas) and building roofs. Capture and infiltration should cater for small, frequent rainfall events. Infiltration may include the use of soakwells, bottomless stormwater pits, rain gardens and tree wells. Runoff should not mobilise and release sediments into adjacent road reserves. • Using water efficient appliances and fixtures within the building to manage demand on water resources. • Using native plant species within landscaped areas to minimise irrigation water requirements and nutrient inputs.
Air	Air quality	<p>Not relevant.</p> <p>The project is unlikely to generate any air quality related emissions. Dust emissions during construction will be temporary and can be managed through the implementation of conventional dust suppression measures.</p>
	Greenhouse gas emissions	<p>Not relevant.</p> <p>This factor is considered by the EPA for significant developments. Aurora Environmental considers the Cultural Centre Project as being not of a large enough scale to trigger consideration of this environmental factor.</p>
People	Social surroundings	<p>Not Relevant.</p> <p>There are no known Aboriginal heritage sites within or near the site.</p> <p>The site is directly adjacent to sensitive land uses including residential dwellings and childcare facilities. Construction related impacts such as noise, dust and vibration have the potential to impact local amenity. However, these impacts are temporary and can be managed through conventional construction practices.</p>
	Human health	<p>Not relevant.</p> <p>This EPA environmental factor relates to potential exposure to radiation. Radiation is unlikely to be a relevant consideration for this project.</p>

Two potential environmental factors have been identified as relevant to the proposed development of the site for the Vietnamese Cultural Centre, these being:

- Terrestrial Flora and Vegetation; and
- Terrestrial Fauna.

Each of the two environmental factors listed above have been considered below.

4.2 VEGETATION AND FLORA

4.2.1 Vegetation and Flora Values

One native vegetation type was mapped across the site and was described as: EmEg – *Eucalyptus marginata* / *E. gomphocephala* Woodland over *Banksia attenuata* Low Open Woodland over *Xanthorrhoea preissii* Shrubland. Areas mapped as EmEg were assessed to be in 'Good' condition (0.7 ha). The remainder of the site was mapped as cleared or Parkland cleared areas and were assessed to be in Completely Degraded condition (PGV Environmental, 2022).

The native vegetation within the site:

- Is representative of the Karrakatta Complex – Central and South.
- Correlates most closely to FCT 28 'Spearwood *Banksia attenuata* or *B. attenuata* – *Eucalyptus* woodland', which is not listed as a State TEC or PEC.
- Contains Tuart trees and was confirmed to represent 'Tuart Woodlands and Forests of the Swan Coastal Plain ecological community' (Tuart Woodlands TEC), which is listed as Critically Endangered under the EPBC Act. The patch of Tuart Woodlands TEC extends beyond the site boundaries, covering a total area of 1.98 ha.
- Contains at least 68 specimens of *Jacksonia sericea*, a Priority 4 listed taxon.

4.2.2 Predicted Impacts to Vegetation and Flora

The design of the proposed Cultural Centre has been undertaken with consideration of potential impacts to native vegetation and flora within the site. The design has attempted to avoid clearing where possible and to minimise impacts to Tuarts. However, to accommodate the requirements for the Cultural Centre, clearing cannot be completely avoided. It is estimated that 0.45 ha of native vegetation in 'Good' condition will be cleared. The predicted impacts related to the clearing include the following:

- Loss of 0.45 ha of vegetation type EmEg in Good condition representative of Karrakatta Complex - Central and South and FCT 28;
- Loss of 0.53 ha of vegetation representative of Tuart Woodlands TEC (only 0.05 ha of Tuart canopy to be cleared);
- Loss of 64 of the 68 mapped plants of *Jacksonia sericea*, a Priority 4 listed species.

4.2.3 Assessment of Impacts to Vegetation

Regional and Local Scale Impact

There is approximately 23.49% of the Karrakatta Complex - Central and South remaining on the southern Swan Coastal Plain based on the pre-European extent with 3.87% in secure tenure (Government of Western Australia, 2019b). The percentage retention is below the EPA's target of 30% retention of vegetation complexes State-wide or protection 10% within constrained areas in the Perth and Peel Regions. However, clearing for the construction of the Vietnamese Cultural Centre will have minimal impact to the regional and local extent remaining of the Karrakatta vegetation complex (Central and South) (Tables 8 and 9).

TABLE 8: PROJECT IMPACTS ON REMAINING BEARD VEGETATION ASSOCIATION

VEGETATION ASSOCIATION	SCALE	PRE-EUROPEAN EXTENT (ha)	CURRENT EXTENT (ha)	EXTENT AFTER PROJECT (ha)	% REMAINING BEFORE PROJECT	% REMAINING AFTER PROJECT
6	WA	56,343.01	13,362.25	13,361.80	23.72	23.72
	SWA IBRA bioregion	56,343.01	13,362.25	13,361.80	23.72	23.72
	Perth IBRA sub-region	56,343.01	13,362.25	13,361.80	23.72	23.72
	City of Wanneroo	12,662.10	2,777.67	2777.22	21.94	21.93

Data sourced from Government of Western Australia (2019a)

TABLE 9: PROJECT IMPACTS ON REMAINING VEGETATION COMPLEX

VEGETATION COMPLEX	SCALE	PRE-EUROPEAN EXTENT (ha)	CURRENT EXTENT (ha)	EXTENT AFTER PROJECT (ha)	REMAINING BEFORE PROJECT (%)	REMAINING AFTER PROJECT (%)
Karrakatta Complex – Central and South	Total	53,080.99	12,467.20	12,466.75	23.49	23.49
	MRS Perth Metro	34,596.71	4,291.55	4,291.10	12.40	12.40
	City of Wanneroo	10,539.13	1,358.88	1,358.43	12.89	12.89

Data sourced from Government of Western Australia (2019b)

TECs / PECs

The flora and vegetation survey determined that the vegetation present within the site was not representative of any State listed TEC or PEC. However, the vegetation met the diagnostic criteria for the EPBC Act listed Tuart Woodlands TEC and was mapped beyond the site boundaries to cover a total area of 1.98 ha (PGV Environmental, 2022). The condition was mapped as 'Good' and 'Completely Degraded'.

It is estimated that the current extent remaining of Tuart Woodlands TEC ranges between 17,070 ha and 25,420 ha (Department of Environment and Energy, 2019). Clearing for the project will directly

impact 0.53 ha of Tuart Woodlands TEC, representing 0.055% of the estimated remaining extent. The loss of 0.53 ha of this vegetation type represents a very minor proportion of the remaining extent of the TEC. The patch present within the site is not considered to be a significant remnant as it is already fragmented and has been degraded by weeds and unmanaged access.

The Significant Impact Guidelines (Department of Environment, 2013) states that a significant impact is an impact which is important, notable or of consequence while having regards to its context or intensity. An assessment of the significance of the impact on Tuart Woodlands TEC using the Department of Environment (2013) significant impact criteria is presented in Table 10.

TABLE 10: SIGNIFICANCE ASSESSMENT FOR TUART WOODLANDS TEC

SIGNIFICANT IMPACT CRITERIA	DESCRIPTION OF PROPOSED ACTION IN RELATION TO SIGNIFICANT IMPACT CRITERIA	LIKELIHOOD (KNOWN, LIKELY, POSSIBLE, UNLIKELY)
Reduce the extent of an ecological community	Clearing for the project will result in the loss of 0.53 ha out of the 1.98 ha of the patch of Tuart Woodland TEC within and adjacent to the site.	Likely
Fragment or increase fragmentation of an ecological community, for example by clearing vegetation for roads or transmission lines	The vegetation in the vicinity of the site is already highly fragmented. Construction of the Cultural Centre will not further fragment existing TEC patches.	Unlikely
Adversely affect habitat critical to the survival of an ecological community	The vegetation within the site meets the diagnostic criteria for Tuart Woodland TEC (PGV Environmental, 2022). Critical habitat including all patches that meet the diagnostic characteristics and condition thresholds for the TEC. The Project will result in the permanent loss of 0.53 ha of Tuart Woodland TEC.	Likely
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	The Project will modify the environment for the portion of the TEC within the construction footprint. Areas outside of the disturbance footprint will not be altered by the Project.	Possible
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 construction of the Project will clear 0.53 ha of the TEC resulting in a permanent loss of the species within the portion of the TEC within the clearing footprint.	Likely
Cause a substantial reduction in the quality or integrity of an occurrence of	Construction of the Cultural Centre is unlikely to increase the risk of introducing invasive species or disease, or the mobilisation of fertilisers, herbicide or other chemicals which would be	Unlikely

SIGNIFICANT IMPACT CRITERIA	DESCRIPTION OF PROPOSED ACTION IN RELATION TO SIGNIFICANT IMPACT CRITERIA	LIKELIHOOD (KNOWN, LIKELY, POSSIBLE, UNLIKELY)
an ecological community, including, but not limited to: <ul style="list-style-type: none"> • 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 	detrimental to the integrity of the remaining portion of the TEC.	
Interfere with the recovery of an ecological community	Clearing of 0.53 ha contradicts the first principle of recovery for the ecological community which is to protect existing patches of the ecological community.	Likely

Priority Flora

One Priority 4 species, *Jacksonia sericea*, was observed during the flora and vegetation survey, with 68 specimens recorded within the site. Priority 4 species are those species which are considered to have been adequately surveyed and which, while being rare in Australia, are not currently threatened by any identifiable factors (PGV Environmental, 2022).

The total population size for this species is not known. However, it is known from at least 58 records within the Swan Coastal Plain IBRA bioregion from varying soil types and landscape positions. It is known to occur in eight Bush Forever sites (No. 201, 202, 299, 303, 327, 383, 407 and 493) across the Cities of Wanneroo and Joondalup. The specimens present within the site are not considered to represent an important population in terms of the geographic extent of the species (PGV Environmental, 2022) noting that the species has been recorded further north and south of the site.

As the total population for this species is not known, it is not possible to calculate the impact of the proposed clearing on the total number of plants remaining. Within the site, 68 occurrences were recorded. Based on the concept design footprint, it is estimated that 64 plants will be cleared, representing 94% of those recorded during the 2021 survey. In the context of the species distribution and population, this loss is unlikely to result in a change to the conservation status of this species.

4.2.4 Recommended Mitigation and Management

The following measures are recommended to be implemented to mitigate and manage impacts to native vegetation and flora:

- The building contractor prepare a Construction Environmental Management Plan (CEMP) prior to the commencement of site activities. Specific measures relevant to the management of flora and vegetation for inclusion in the CEMP may include:
 - Provision of coordinates for clearing extents to the contractor;
 - Plan for site access, parking areas and construction fencing;
 - In-field demarcation of clearing extents;
 - Requirement to conduct regular inspections of clearing boundaries and document the clearing activities undertaken;
 - Weed and pathogen hygiene management measures to prevent the introduction and spread of weeds and dieback;
 - Dust suppression measures to reduce dust emissions;
 - Requirement to restrict vehicles, equipment and the storage of construction materials to the construction footprint and cleared areas; and
 - Provision of bins for appropriate waste disposal.

4.3 TERRESTRIAL FAUNA

4.3.1 Fauna Habitat Values

One fauna habitat type was recorded within the site, comprising *Eucalyptus / Banksia* woodland with low to medium density understorey of moderate quality. The habitat has low connectivity due to urbanisation of surrounding areas.

The site is within the modelled distribution for Carnaby's cockatoo and forest red-tailed black cockatoo, but outside of the modelled distribution for Baudin's cockatoo. The targeted black cockatoo habitat assessment recorded moderate to high foraging habitat that may be used by Carnaby's cockatoo. However, as the foraging habitat is <1 ha, it is unlikely to represent significant (i.e. unlikely to be relied on) black cockatoo foraging habitat. Twenty-five potential habitat trees were also recorded, but no evidence of breeding or roosting was observed.

4.3.2 Predicted Impacts to Fauna and Fauna Habitat

The design of the proposed Cultural Centre has been undertaken with consideration of potential impacts to fauna habitat. The design has attempted to avoid clearing where possible and to minimise impacts to the large trees within the site. However, to accommodate the requirements for the Cultural Centre, clearing cannot be completely avoided. It is estimated that 0.51 ha of foraging habitat will be cleared as well as five potential habitat trees. Two trees contain hollows. However, one is too small (<10 cm opening) and the other is too low to the ground (<3 m above ground).

4.3.3 Assessment of Impacts to Fauna and Fauna Habitat

An assessment of the significance of the predicted habitat impacts for Carnaby's cockatoo, forest red-tailed black cockatoo and Baudin's cockatoo is provided in Tables 11 and 12.

TABLE 11: SIGNIFICANCE ASSESSMENT FOR CARNABY'S, BAUDIN'S AND FOREST RED-TAILED BLACK COCKATOO

SIGNIFICANT IMPACT CRITERIA	LIKELIHOOD (KNOWN, LIKELY, POSSIBLE, UNLIKELY)			JUSTIFICATION
	CARNABY'S COCKATOO	BAUDIN'S COCKATOO	FOREST RED- TAILED BLACK COCKATOO	
Lead to a long-term decrease in the size of a population.	Unlikely	Unlikely	Unlikely	<p>The Project is unlikely to result in a long-term decrease in the size of the population for the three species. Based on the composition and density of foraging species present within the site, limited foraging resources are available and will be impacted. The foraging resources available favour Carnaby's cockatoo more so than Baudin's cockatoo and forest red-tailed black cockatoo. In addition, the site is situated outside of the modelled distribution for the Baudin's cockatoo.</p> <p>The Project will result in a minor reduction (0.51 ha) in moderate to high quality foraging habitat. Clearing of 0.51 ha moderate to high quality habitat is unlikely be detrimental to the existing population of the three black cockatoo species and is not considered significant in the referral guidelines for these species (Department of Agriculture, Water and the Environment, 2022b).</p> <p>The habitat assessment did not find any evidence of breeding or roosting occurring within the site. The project will clear 5 potential habitat trees (noting that the two trees with hollows were not deemed suitable for black cockatoo breeding, did not show any signs of use and are not within the modelled breeding location for Carnaby's cockatoos or the preferred habitat type of forest red-tailed black cockatoos).</p>
Reduce the area of occupancy of the species.	Unlikely	Unlikely	Unlikely	The Proposal will not reduce the area of occupancy for any of the species.
Fragment an existing population into two or more populations.	Unlikely	Unlikely	Unlikely	The three species are nomadic within their range and have strong dispersal capabilities. The site is outside of the modelled distribution Baudin's cockatoo. Clearing within the site will not impact the movement of Carnaby's and forest red-tailed black cockatoos as some vegetation will be

SIGNIFICANT IMPACT CRITERIA	LIKELIHOOD (KNOWN, LIKELY, POSSIBLE, UNLIKELY)			JUSTIFICATION
	CARNABY'S COCKATOO	BAUDIN'S COCKATOO	FOREST RED- TAILED BLACK COCKATOO	
				retained on site, and there are areas of native vegetation in close proximity to the site.
Adversely affect habitat critical to the survival of the species.	Unlikely	Unlikely	Unlikely	<p>The Project will clear 0.51 ha of foraging habitat primarily suitable for Carnaby's cockatoo and 5 potential habitat trees. None of the potential habitat trees contain hollows that are suitable for breeding and no evidence of breeding or roosting was observed during the assessment.</p> <p>The Recovery Plan for Carnaby's cockatoo identifies the following habitat as being critical to the survival of the species:</p> <ul style="list-style-type: none"> • Eucalypt woodlands that provide nest hollows for breeding, together with nearby foraging, roosting and watering points. • Woodlands sites known to have supported breeding in the past. • Vegetation that provides food resources as well as the site for nearby watering and night roosting. <p>The Recovery Plan for the forest red-tailed black cockatoo and Baudin's cockatoo defines critical habitat for the species as all Marri, Karri and Jarrah forests, woodlands and remnants in the south-west of Western Australia receiving more than 600 mm of annual average rainfall.</p> <p>The referral guidelines for Cockatoos indicates that loss of less than 1 ha of foraging habitat may not be significant (Department of Agriculture, Water and Environment, 2022b).</p>
Disrupt the breeding cycle of a population.	Unlikely	Unlikely	Unlikely	The site is not within the modelled breeding range for the three species. No evidence of breeding was observed during the site assessment.
Modify, destroy, remove, isolate or decrease the availability or quality of habitat	Unlikely	Unlikely	Unlikely	The loss of 0.51 ha of moderate to high quality foraging resources is unlikely to lead to a decline in the three species of black cockatoo. The extent of habitat to be cleared represents a minor portion of the available habitat

SIGNIFICANT IMPACT CRITERIA	LIKELIHOOD (KNOWN, LIKELY, POSSIBLE, UNLIKELY)			JUSTIFICATION
	CARNABY'S COCKATOO	BAUDIN'S COCKATOO	FOREST RED- TAILED BLACK COCKATOO	
to the extent that the species is likely to decline.				within the local area, noting the presence of multiple Bush Forever areas close to the site. The site provides limited feeding resources and would not be adequate to sustain individuals for any length of time.
Result in invasive species that are harmful to endangered species becoming established in the species habitat.	Unlikely	Unlikely	Unlikely	The Project will not introduce an invasive species that may be harmful to the three species of black cockatoo.
Introduce disease that may cause the species to decline.	Unlikely	Unlikely	Unlikely	The Project is unlikely to introduce disease that may cause the species to decline.
Interfere with the recovery of a species.	Unlikely	Unlikely	Unlikely	Although the Project will clear black cockatoo foraging habitat, the loss of 0.51 ha moderate to high quality habitat is minimal in the context of the available foraging resources in the local area. As such, the project is not expected to interfere with the recovery of the three black cockatoo species.

TABLE 12: ASSESSMENT OF IMPACTS AGAINST *EPBC ACT* REFERRAL GUIDELINES FOR THREE THREATENED BLACK COCKATOO SPECIES

CRITERIA	SIGNIFICANT IMPACT			JUSTIFICATION
	CARNABY'S BLACK COCKATOO	FOREST RED- TAILED BLACK COCKATOO	BAUDIN'S BLACK COCKATOO	
Clearing of any known nesting tree	No	No	No	Twenty-five potential habitat trees were recorded during the site assessment. Of these, two trees had hollows either with an opening greater than 10 cm or were less than 3 m from ground level and two trees had hollows with an opening less than 5 cm which are too small for black cockatoo nesting. No evidence of nesting was observed at the site.
Clearing of more than 1 ha of quality foraging habitat	No	No	No	The Project will clear less than 1 ha of quality foraging habitat.
Clearing or degradation (including pruning the top canopy) of a known night roosting site	No	No	No	The site assessment did not find any evidence of roosting occurring within the site.
Creating a gap of greater than 4 km between patches of black cockatoo habitat	No	No	No	The loss of habitat from the site will not cause a gap of greater than 4 km between patches of black cockatoo habitat.

4.3.4 Recommended Mitigation and Management

The following measures are recommended to be implemented to mitigate and manage impacts to fauna and fauna habitat:

- The building contractor prepare a CEMP prior to the commencement of site activities. Specific measures relevant to the management of fauna and fauna habitat for inclusion in the CEMP may include:
 - Provision of coordinates for clearing extents to the contractor;
 - Plan for site access, parking areas and construction fencing;
 - In-field demarcation of clearing extents;
 - Requirement to conduct regular inspections of clearing boundaries and document the clearing activities undertaken;
 - Ensure a qualified fauna handler is on-call should fauna species be encountered during site clearing activities;
 - Dust suppression measures to reduce dust emissions;
 - Requirement to restrict vehicles, equipment and the storage of construction materials to the construction footprint and cleared areas; and
 - Provision of bins for appropriate waste disposal.

5 ENVIRONMENT AND HERITAGE APPROVALS

5.1 ENVIRONMENT PROTECTION AND BIODIVERSITY CONSERVATION ACT

Matters of National Environmental Significance (MNES) are factors that are protected under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). A referral to the Department of Climate Change, Energy, Environment and Water (DCCEEW) under the EPBC Act is triggered if a proposed action has, or potentially has, a significant impact on any MNES as described in *Significant Impact Guidelines 1.1*.

The significant impact criteria assist in determining if an action is likely to have a significant impact on Threatened species, including whether the proposed action will:

- Lead to a long-term decrease in the size of a population.
- Reduce the area of occupancy of the species.
- Fragment an existing population into two or more populations.
- Adversely affect habitat critical to the survival of a species.
- Disrupt the breeding cycle of a population.
- Modify, destroy, remove, isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline.
- Result in invasive species that are harmful to a Threatened species becoming established in the species' habitat.
- Introduce disease that may cause the species to decline.
- Interfere with the recovery of the species.

Investigations for the Project have confirmed the following MNES are relevant to the site:

- Vegetation within the project area is consistent with the diagnostic criteria for Tuart Woodlands of the Swan Coastal Plain TEC.
- Foraging habitat for Carnaby's cockatoo and to a lesser extent Baudin's cockatoo and forest red-tailed black cockatoo is present at the site, along with potential habitat trees.

The assessment undertaken in Section 4.2.3 indicates that the Project will directly impact 0.53 ha of Tuart Woodland TEC, representing 26.8% of the remnant patch. At a site level this scale of impact may be viewed as significant. However, at a regional level the magnitude of the impact is minimal and considered to be a 'insignificant impact' as defined under the EPBC Act.

The assessment undertaken in Section 4.3.3 identifies the permanent loss of 0.51 ha of foraging habitat and 5 potential habitat trees which may be used by Carnaby's cockatoo. As the predicted impact is less than 1 ha of quality foraging habitat and the Project will not impact any known breeding or roosting trees, it is considered unlikely that Carnaby's cockatoo will be significantly impacted. The assessment determined that the impacts to Baudin's cockatoo and forest red-tailed black cockatoo are also not significant as the site is outside the modelled distribution for Baudin's cockatoo and does not contain preferred foraging plants for either species.

As the project is not likely to have significant consequences to a TEC or Threatened species, referral under the EPBC Act is not considered to be required.

5.2 ENVIRONMENTAL PROTECTION ACT 1986

5.2.1 Part IV

Part IV of the *Environmental Protection Act 1986* (EP Act) (Sections 38 and 48A) enables the EPA to carry out impact assessment of significant proposals, strategic proposals and land use planning schemes. When determining whether a proposal will be formally assessed, the EPA considers the significance of potential environmental impacts that may arise.

The EPA uses environmental factors and associated objectives as the basis for assessing whether a proposal or scheme's impact on the environment is acceptable. The environmental factors and objectives therefore underpin the environmental impact assessment process. Environmental factors are those parts of the environment that may be impacted.

The environmental assessment completed for the Project has predicted impacts to two environmental factors, these being:

- Terrestrial flora and vegetation; and
- Terrestrial fauna.

The Project's environmental impacts are unlikely to be significant enough to warrant formal assessment either at the Scheme Amendment stage (via Section 48 of the EP Act) or under Section 38 of the EP Act. Therefore, a referral to the EPA is not recommended. It is pertinent to note that third party referrals to the EPA can be made under Section 38. A third party referral has the potential to delay the project.

5.2.2 Part V

Under Section 51C the EP Act, clearing of native vegetation requires a permit from the DWER, unless there is an applicable exemption under Schedule 6 of the EP Act or prescribed under Regulation 5 of the *Environmental Protection (Clearing of Native Vegetation) Regulations 2004*. Regulation 5 exemptions do not apply where a site is within an environmentally sensitive area, which is not the case for the site.

Regulation 5, Item 1 permits clearing of native vegetation for the purposes of the lawful construction of a building or other structure on a property, so long as the clearing:

- Is not within an environmentally sensitive area (confirmed);
- Does not exceed five hectares in the financial year in which the clearing takes place (clearing is less than 5 ha);
- Is limited to the extent necessary (disturbance footprint is limited to the extent necessary)
- Does not remove riparian vegetation (the site does not contain any riparian vegetation).

For the purpose of this exemption, 'lawful construction' means that all required approvals have been obtained (e.g. Development Approval, building permits from the City of Wanneroo, etc.). Therefore, if

development approval (and other related permits) is granted by the City of Wanneroo, a clearing permit is unlikely to be required for the Project.

5.2.3 Environmental Protection (Noise) Regulations 1997

The *Environmental Protection (Noise) Regulations 1997* operate as a prescribed standard under the EP Act and sets limits on noise emissions. Under the Regulations, construction work can be conducted between 7 am and 7 pm on Monday to Saturday, excluding public holidays. Construction outside of these times is subject to the submission of a noise management plan to the local government and approval to work outside of these hours.

5.3 RIGHTS IN WATER AND IRRIGATION ACT 1914

The *Rights in Water and Irrigation Act 1914* (RIWI Act) provides for the regulation, management, use and protection of water resources. This Act provides for a licensing system for taking water, bore construction; and a permitting system for activities that may damage, obstruct or interfere with water flow or the beds and banks of watercourses and wetlands in proclaimed rivers, surface water management areas and irrigations districts.

The DWER has responsibility for assessment and decision making for licences and permits. Most of the state's groundwater resources and surface water resources that are subject to high levels of demand are proclaimed under the RIWI Act. Once an area is proclaimed, certain water users require a licence under the RIWI Act.

A Section 5C licence allows the licence holder to take water from a watercourse, well and / or underground source in a proclaimed surface water and groundwater area. In granting a licence, the DWER may apply terms, conditions and restrictions to licences. This is inclusive of dewatering.

A Section 26D licence allows for the construction or alteration of groundwater wells.

Based on the current understanding of the project requirements, approvals under the RIWI Act are unlikely to be required, unless groundwater abstraction is proposed.

5.4 BIODIVERSITY CONSERVATION ACT 2016

The *Biodiversity Conservation Act 2016* (BC Act) provides a framework for the protection of biodiversity in Western Australia. The objectives of the Act are to provide for:

- the conservation and protection of biodiversity and biodiversity components in Western Australia; and
- the ecologically sustainable use of biodiversity components in Western Australia.

The scope of the BC Act and its associated Regulations protects flora, fauna, ecological communities and critical habitats¹.

¹ Critical habitats are habitats listed under the BC Act as being critical to the survival of a threatened species or a threatened ecological community.

The environmental studies completed for the Project did not identify any threatened flora or State listed TECs present within the site. Construction of the Cultural Centre is unlikely to directly interfere or take any threatened fauna species. Therefore, there are no approvals anticipated to be required.

5.5 ABORIGINAL HERITAGE

The *Aboriginal Heritage Act 1972* (AH Act) provides for the recognition, protection and preservation of Aboriginal sites in Western Australia. It is an offence under AH Act to excavate, destroy, damage, conceal, or in any way alter an Aboriginal site. If a proponent wishes to implement a proposal that may damage an Aboriginal site, they are required to apply for consent under s. 18(2) of the AH Act.

A notice for consent is submitted to the Aboriginal Cultural Material Committee (ACMC). The ACMC makes recommendations to the Minister about whether the consent should be granted and if so the conditions upon which the consent should be granted. The Minister makes the final decision as to whether consent is granted.

The desktop assessment did not identify the presence of any registered heritage sites within or near the site. As a result, approvals under the *Aboriginal Heritage Act 1972* are not required. If construction works uncovers materials of potential heritage significance, it is recommended that a suitably qualified heritage specialist is engaged to evaluate the material and provide advice on an appropriate course of action.

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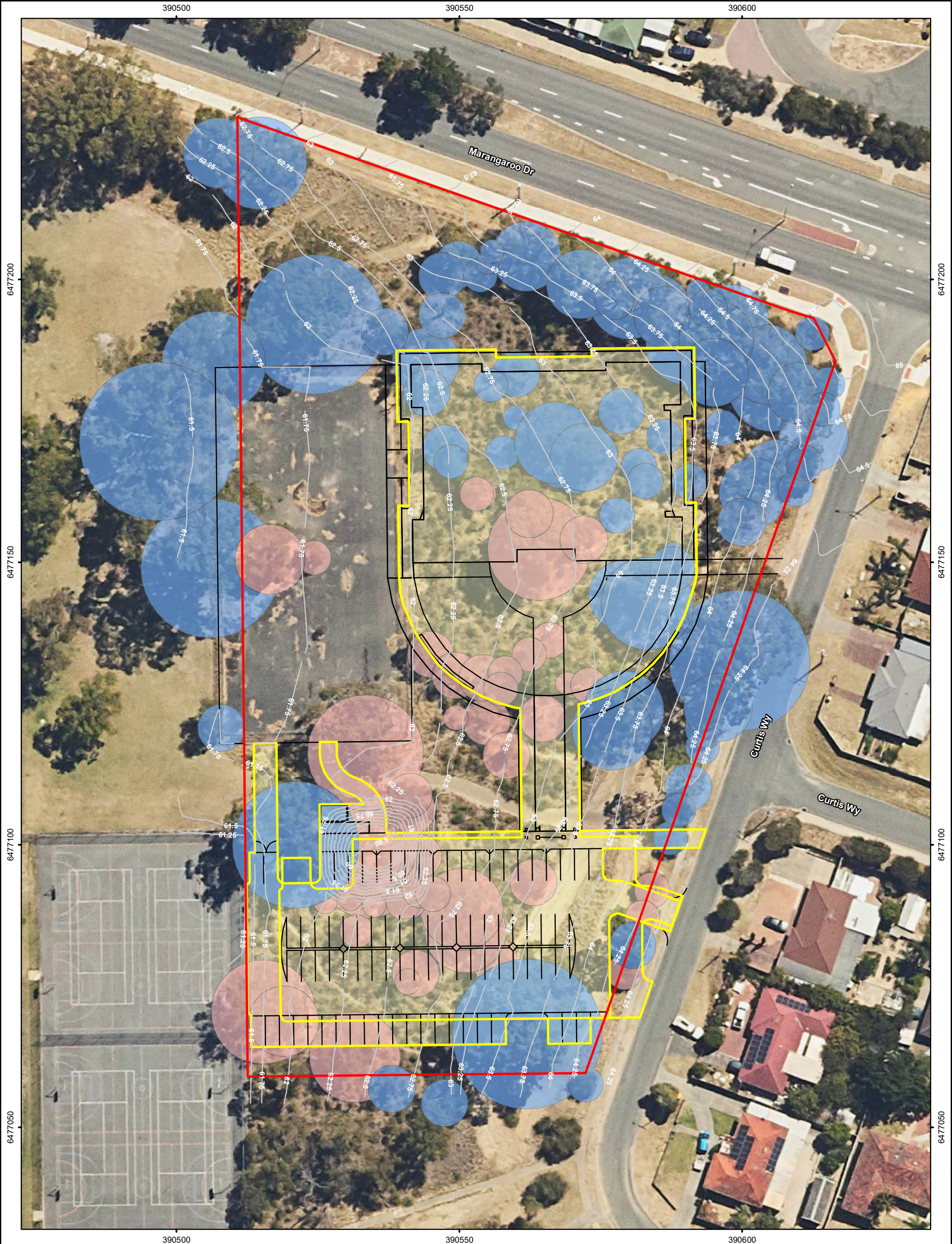
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FIGURES



- Legend**
- Project Area
 - Proposed Clearing
 - Proposed Clearing
 - Proposed Infrastructure
 - Trees for Removal
 - Trees to Remain
 - Contour



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Scale: 1:600
MGA94 (Zone 50)
CAD Ref: a2900_F001_02
Date: Apr 2023 Rev: D A3

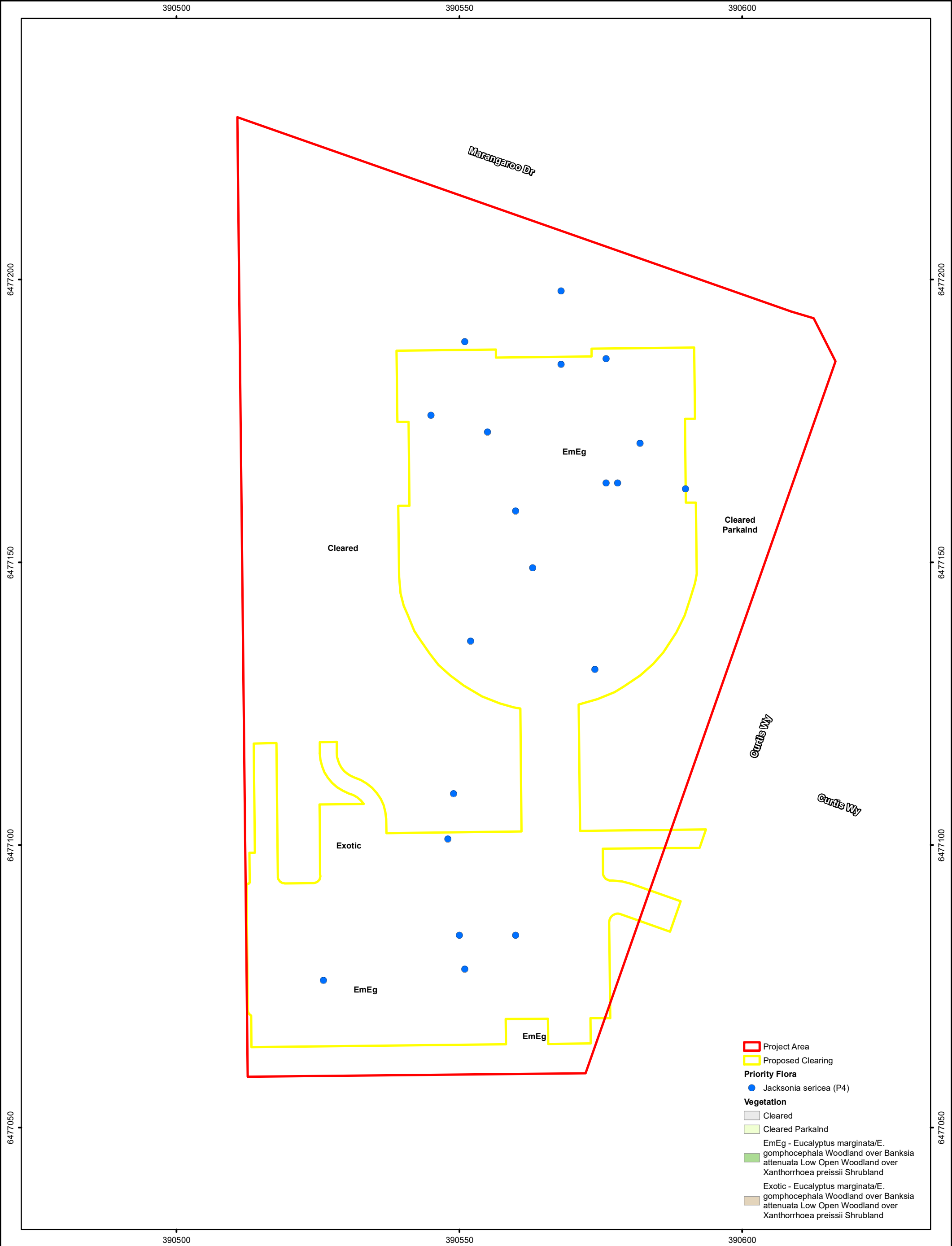



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**Vietnamese Cultural Centre Site
Lot 501 Curtis Way Girrawheen
Concept Plan**

Figure:

2





0612m

Scale: 1:600
MGA94 (Zone 50)

Author: P. Zuvela

AU Ref: VCA2021-001

CAD Ref: a2900_F001_03

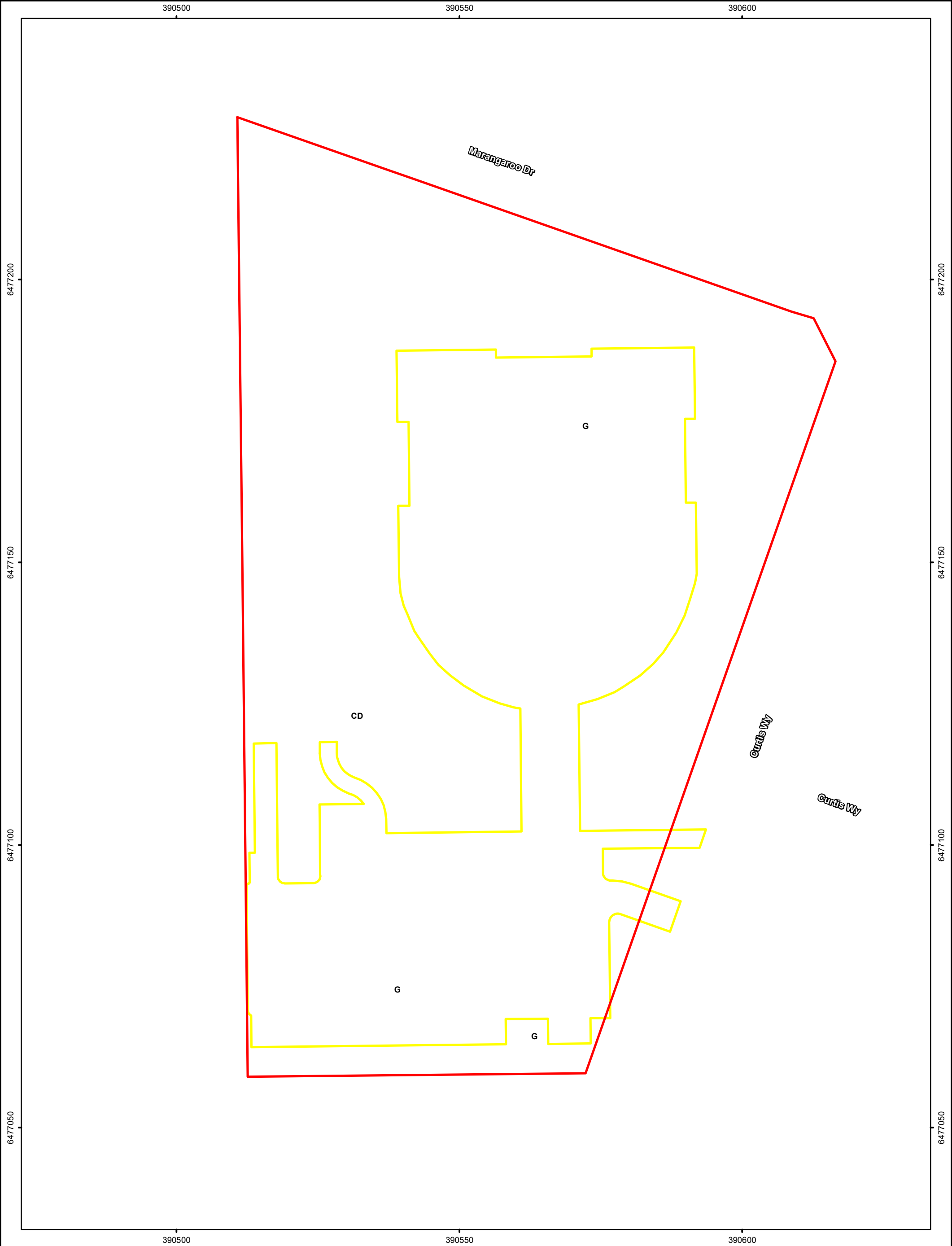
Drawn: CAD Resources ~ www.cadresources.com.au

Date: Apr 2023

Rev: B | A3

Tel: (08) 9246 3242 ~ Fax (08) 9246 3202

Vietnamese Cultural Centre Site
Lot 501 Curtis Way Girrawheen
Vegetation Types



Legend

Proposed Clearing

Project Area

Condition

G - Good

CD - Completely Degraded

N

0612m

Scale: 1:600

MGA94 (Zone 50)

Author: P. Zuvela

CAD Ref: a2900_F001_04

Date: Apr 2023

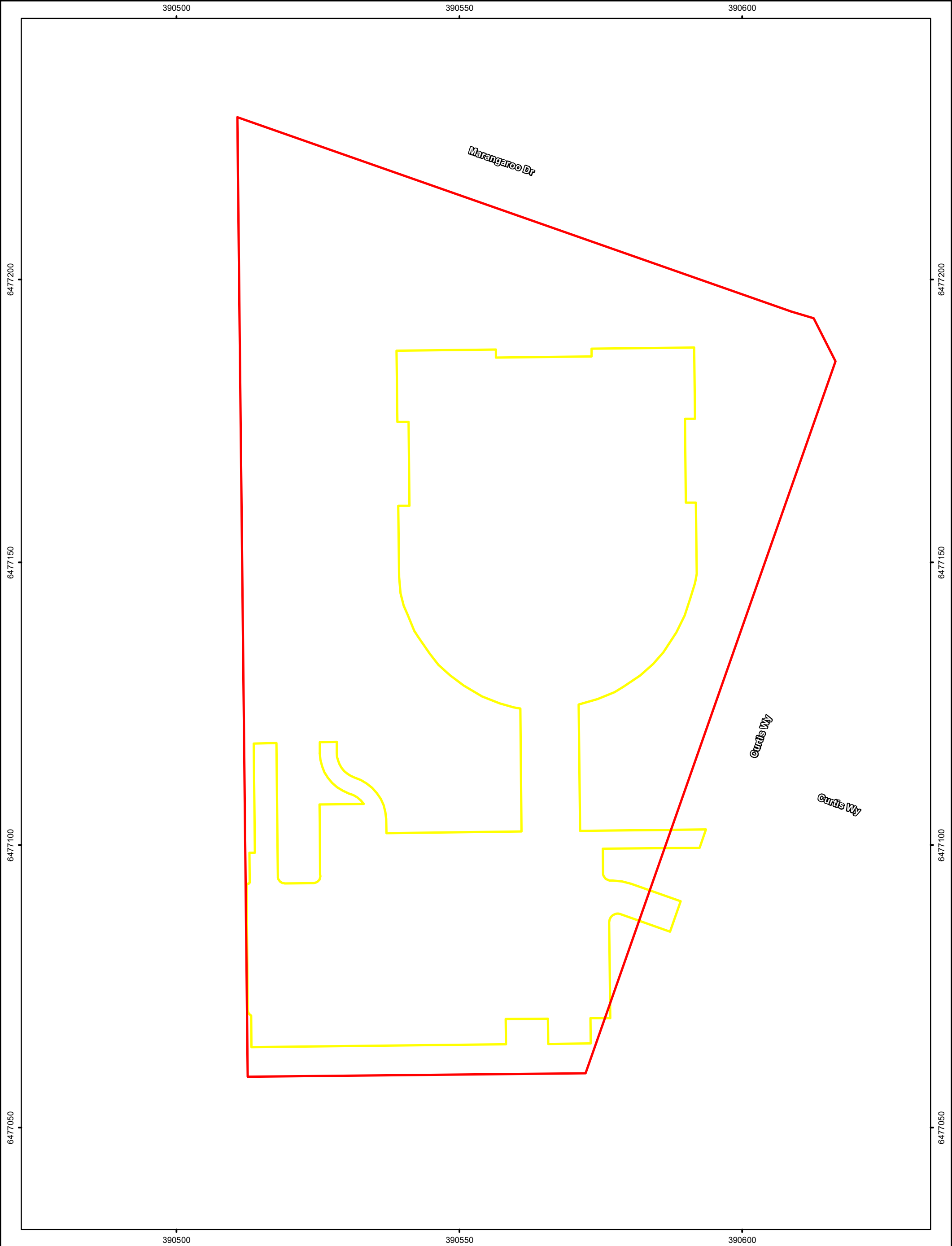
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Rev: C | A3

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Vietnamese Cultural Centre Site
Lot 501 Curtis Way Girrawheen
Vegetation Condition



Legend

Project Area

Proposed Clearing

Tuart Woodland

Tuart Canopy

Tuart Patch Woodland

0612m

Scale: 1:600

MGA94 (Zone 50)

CAD Ref: a2900_F001_05

Date: Apr 2023

Rev: C

A3

Author: P. Zuvela

AU Ref: VCA2021-001

Drawn: CAD Resources ~ www.cadresources.com.au

Tel: (08) 9246 3242 ~ Fax (08) 9246 3202

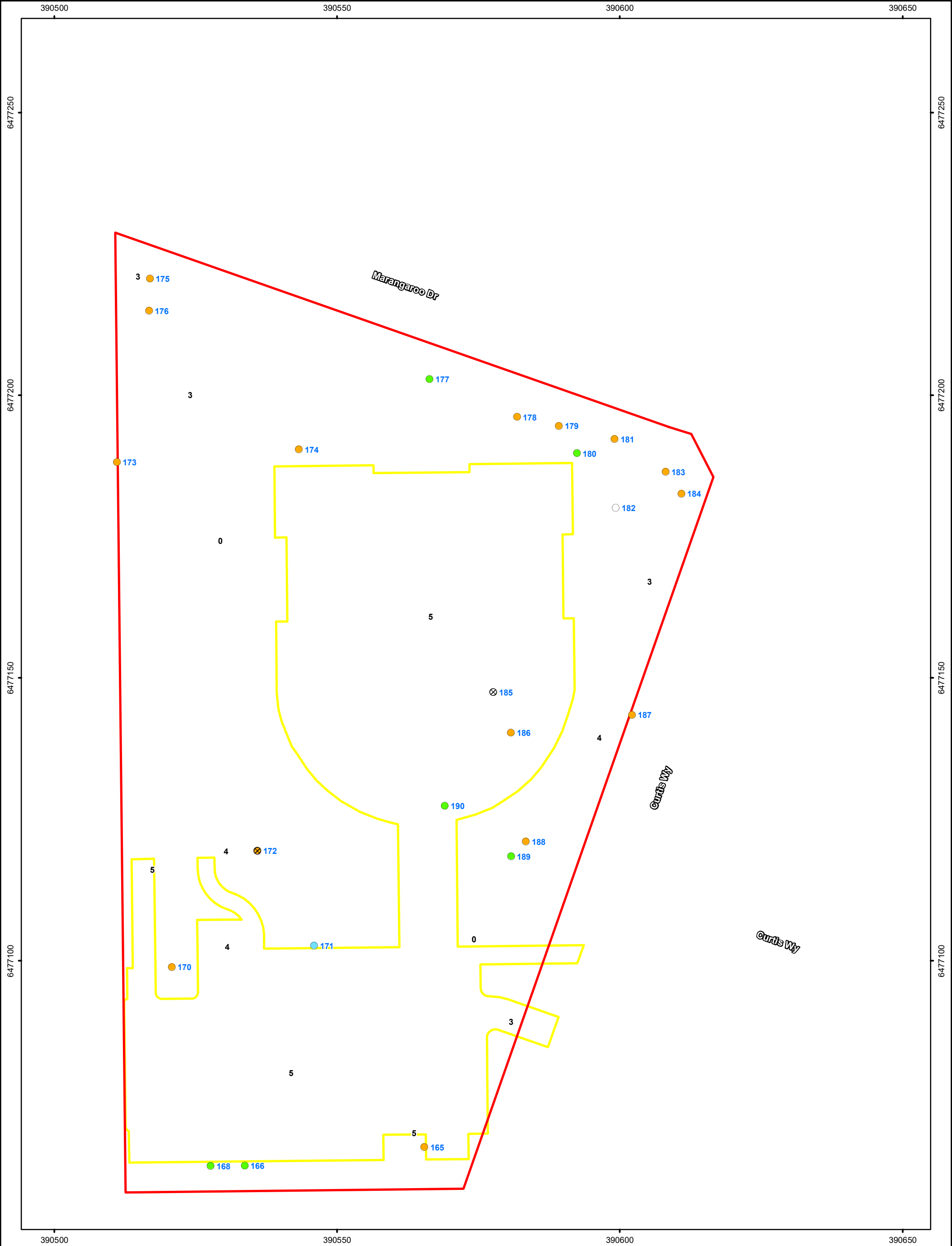
Vietnamese Cultural Centre Site

Lot 501 Curtis Way Girrawheen

Tuart Woodland Patch

Figure:

5



Legend

Project Area

Hollow greater than 10cm

Proposed Clearing

Tree Species

Tuart

Jarra

Other

Habitat Quality

Moderate - high quality

No foraging value

0

6

12m

Scale: 1:600

MGA94 (Zone 50)

CAD Ref: a2900_F001_06

Date: Apr 2023

Rev: C

A3

Author: P. Zuvela

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Vietnamese Cultural Centre Site

Lot 501 Curtis Way Girrawheen

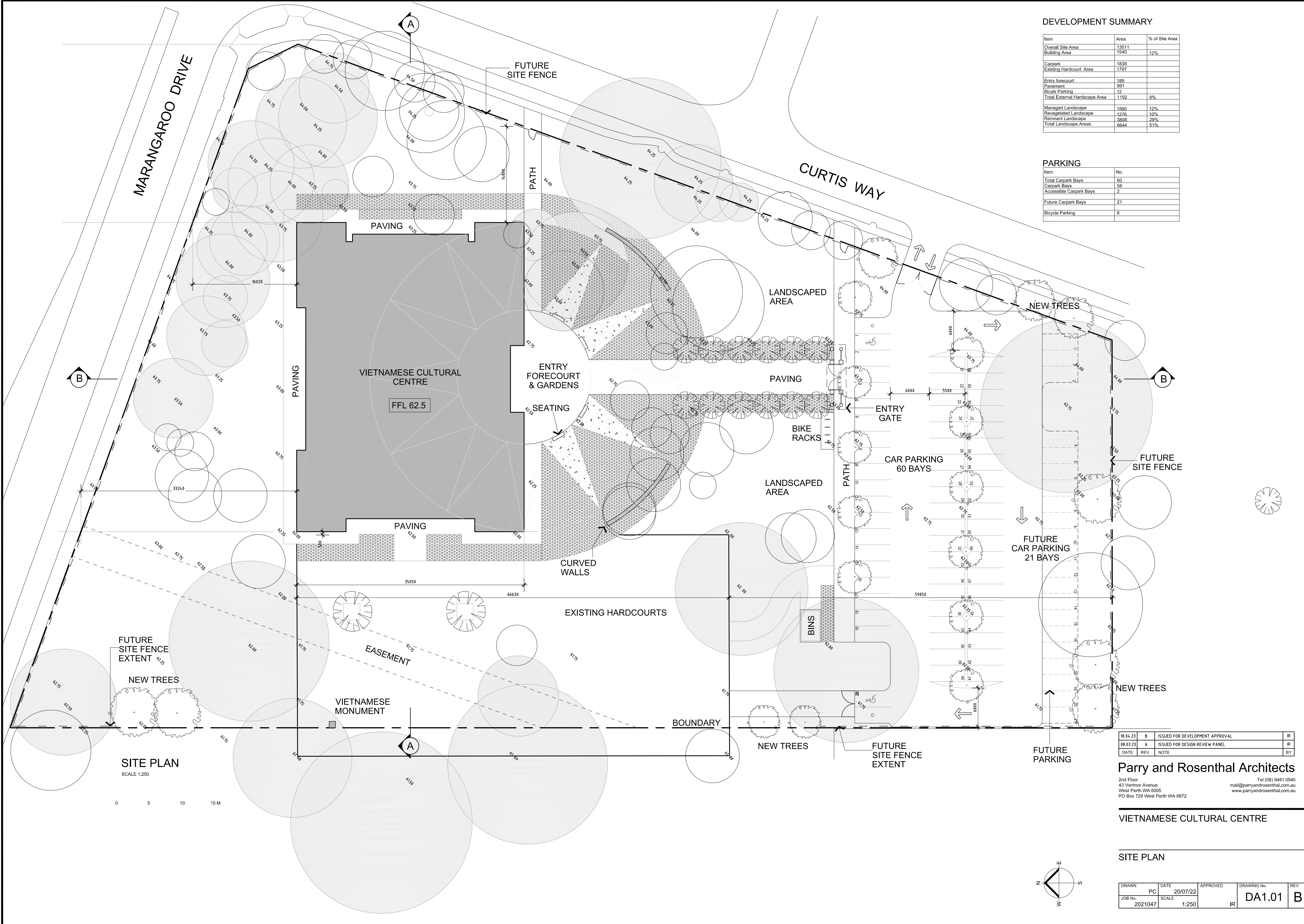
Habitat Quality & Potential Habitat Trees

Figure:

6

APPENDIX A

Site Plans



DEVELOPMENT SUMMARY

Item	Area	% of Site Area
Overall Site Area	13011	
Building Area	1540	12%
Carpark	1838	
Existing Hardcourt Area	1797	
Entry forecourt	189	
Pavement	991	
Bicycle Parking	12	
Total External Hardscape Area	1192	9%
Managed Landscape	1560	12%
Revegetated Landscape	1276	10%
Remnant Landscape	3808	29%
Total Landscape Areas	6644	51%

PARKING

Item	No.
Total Carpark Bays	60
Carpark Bays	58
Accessible Carpark Bays	2
Future Carpark Bays	21
Bicycle Parking	8

18.04.23	B	ISSUED FOR DEVELOPMENT APPROVAL	IR
08.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

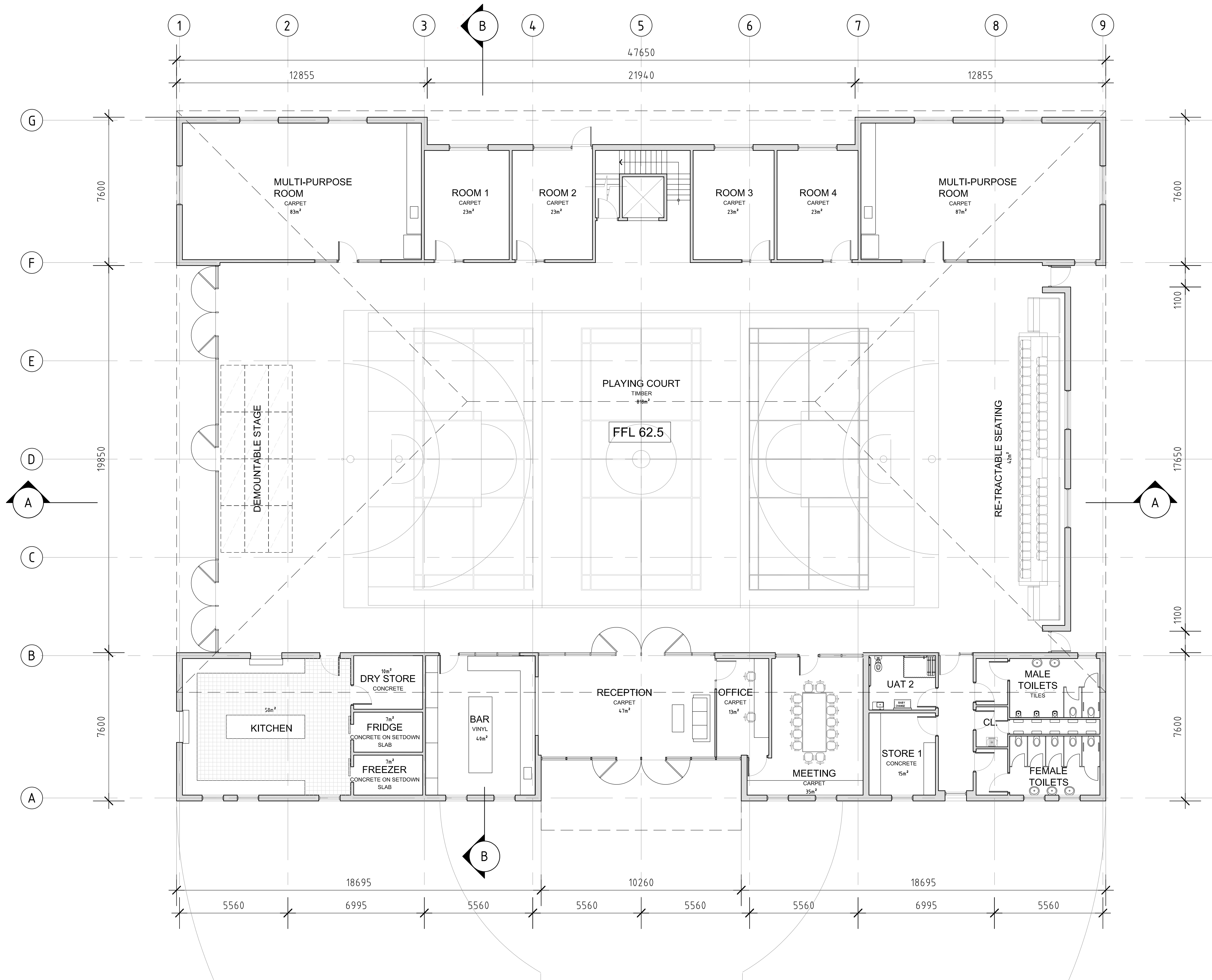
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www.parryandrosenthal.com.au

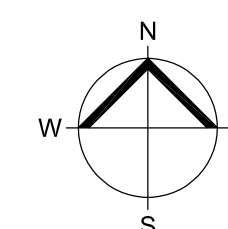
VIETNAMESE CULTURAL CENTRE

SITE PLAN

DRAWN	DATE	APPROVED	DRAWING No.	REV
PC	20/07/22		DA1.01	B
JOB No.	SCALE	IR		
2021047	1:250			



FLOOR PLAN
SCALE 1:100



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18.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

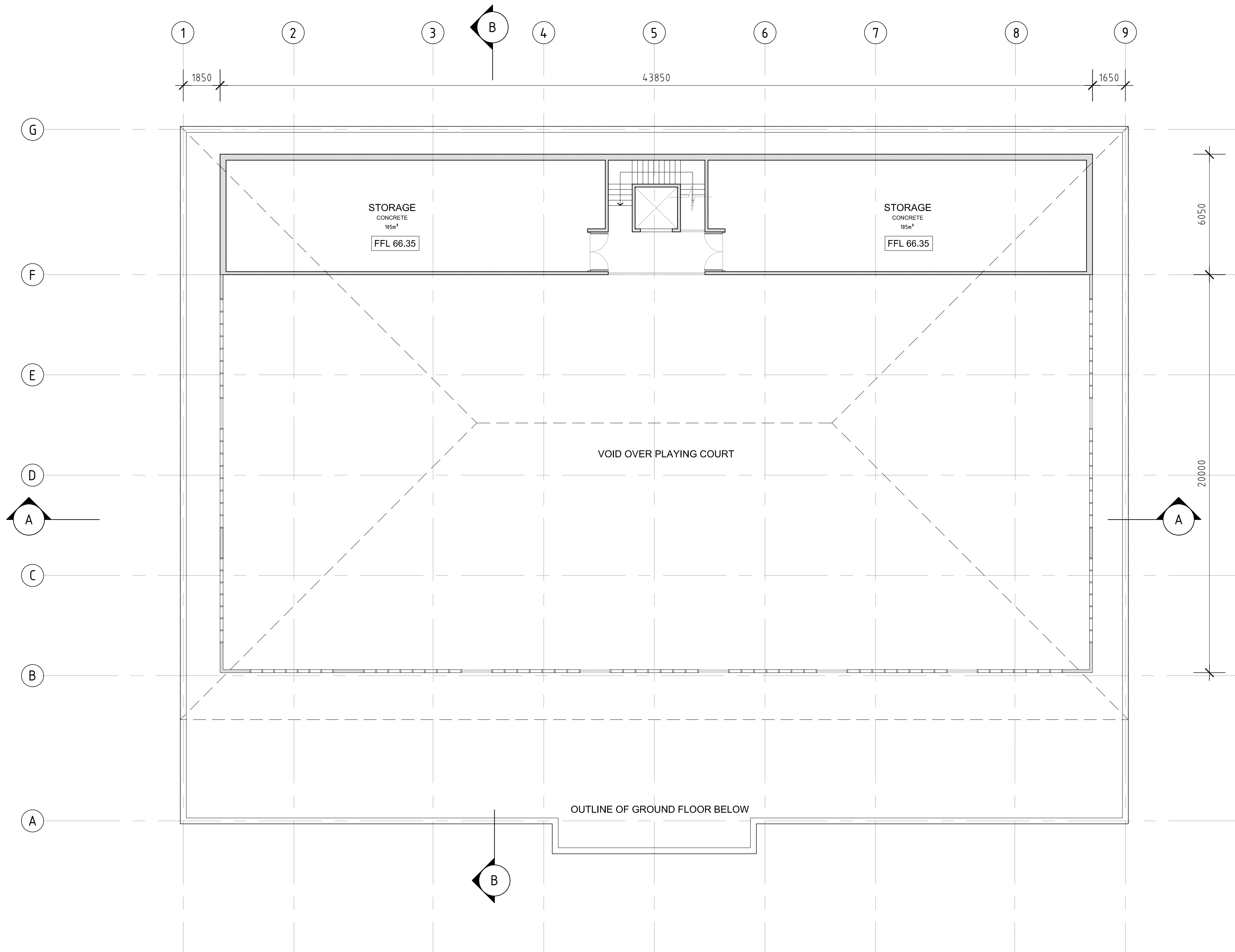
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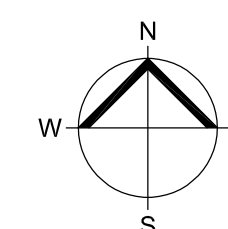
VIETNAMESE CULTURAL CENTRE

FLOOR PLAN

DRAWN	PC	DATE	20/07/22	APPROVED	DRAWING No.	REV
JOB No.	2021047	SCALE	1:100	IR	DA2.01	B



UPPER FLOOR PLAN
SCALE 1:100



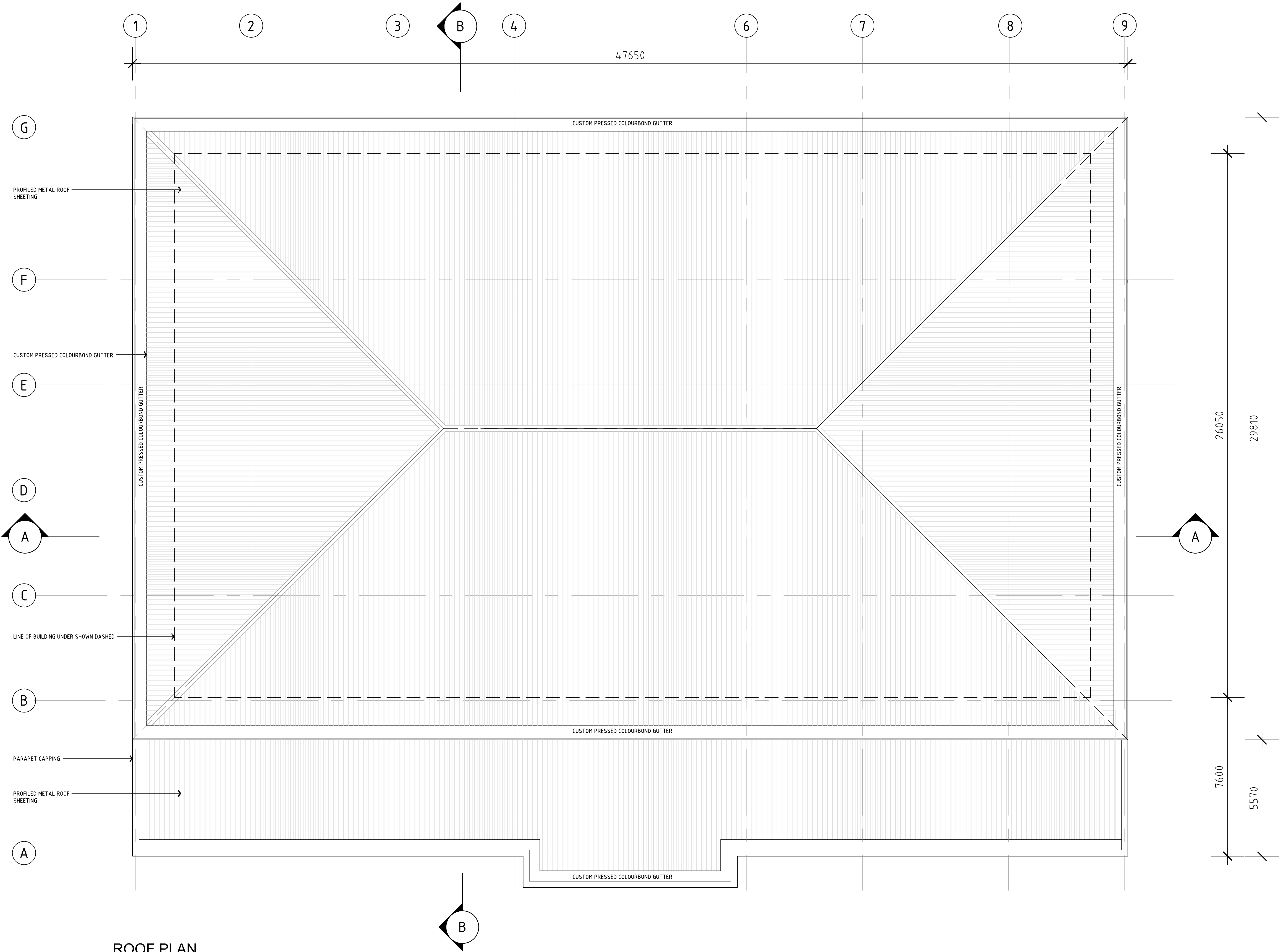
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18.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

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VIETNAMESE CULTURAL CENTRE

UPPER FLOOR PLAN

DRAWN	PC	DATE	20/07/22	APPROVED	DRAWING No.	REV
JOB No.	2021047	SCALE	1:100	IR	DA2.02	B



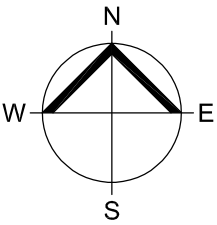
ROOF PLAN
SCALE 1:100

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18.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

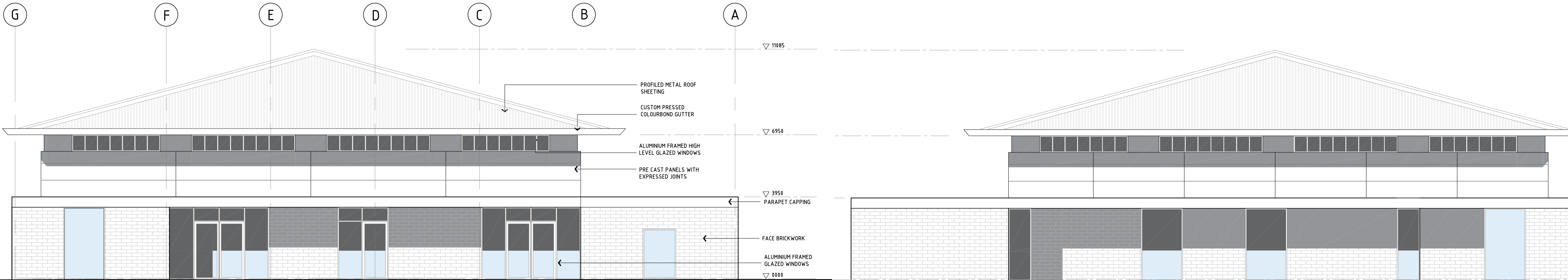
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VIETNAMESE CULTURAL CENTRE

ROOF PLAN

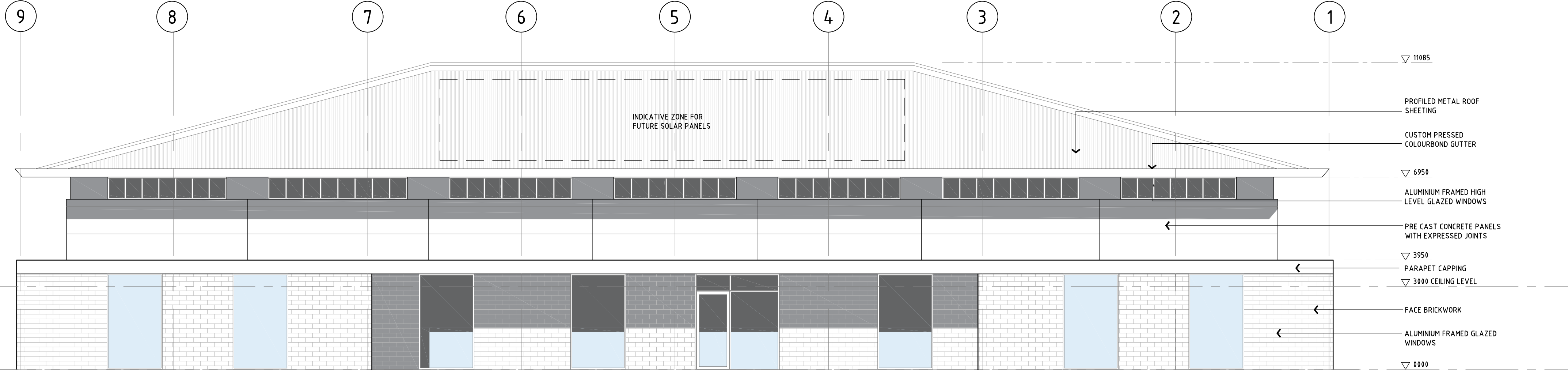


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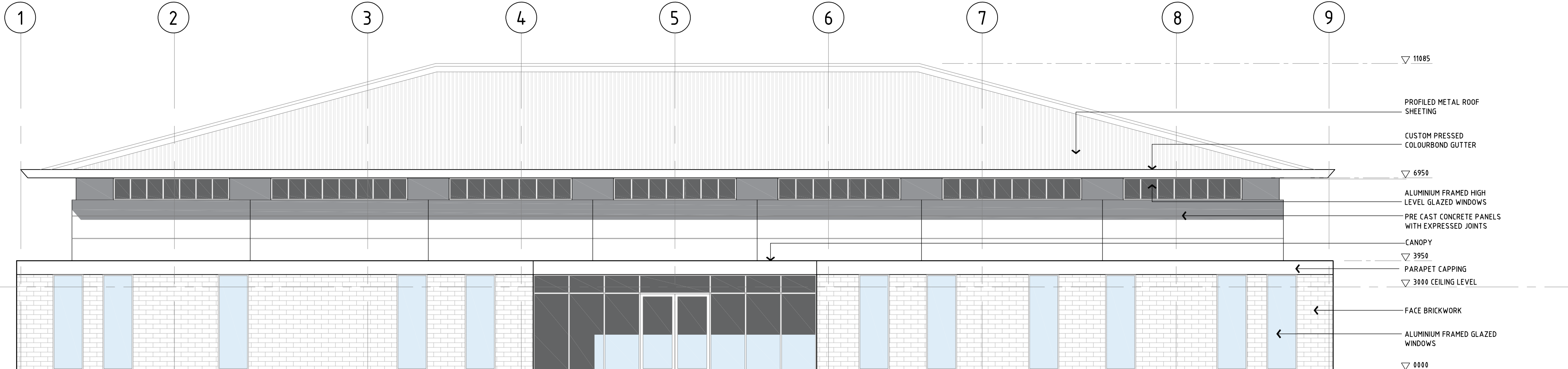


WEST ELEVATION
SCALE: 1:100

EAST ELEVATION
SCALE: 1:100



NORTH ELEVATION
SCALE: 1:100



SOUTH ELEVATION
SCALE: 1:100

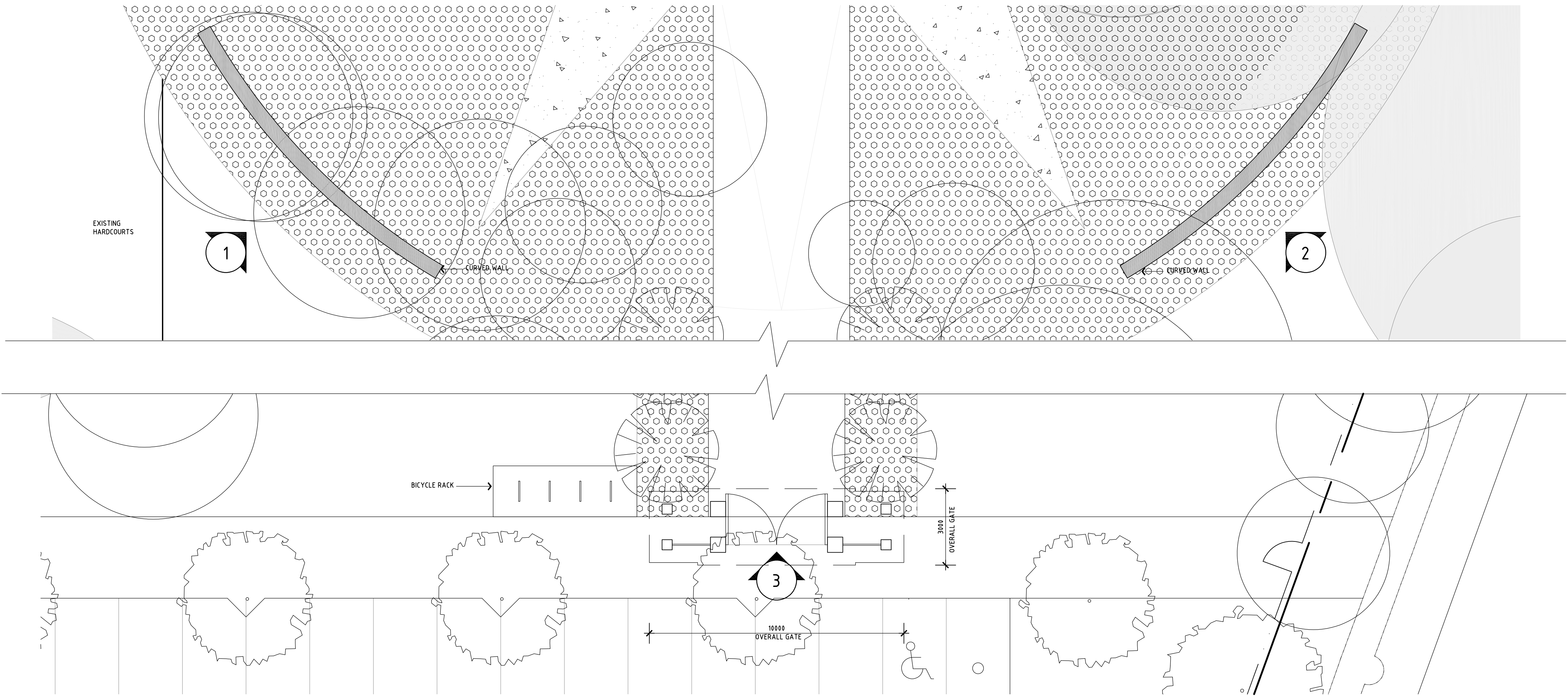
18.04.23	B	ISSUED FOR DEVELOPMENT APPROVAL	IR
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DATE	REV	NOTE	BY

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VIETNAMESE CULTURAL CENTRE

ELEVATIONS

DRAWN	PC	DATE	20/07/22	APPROVED	DRAWING No.	REV
JOB No.	2021047	SCALE	1:100	IR	DA3.01	B



PART- PLAN
SCALE: 1:100

ELEVATION 1 - CURVED WALL
SCALE: 1:100

ELEVATION 2 - CURVED WALL
SCALE: 1:100

ELEVATION 3 - GATE
SCALE: 1:100

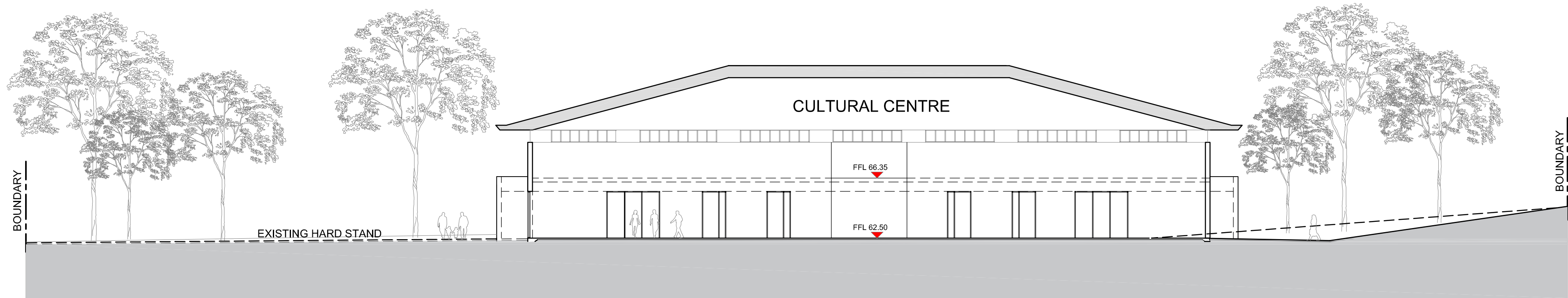
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18.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

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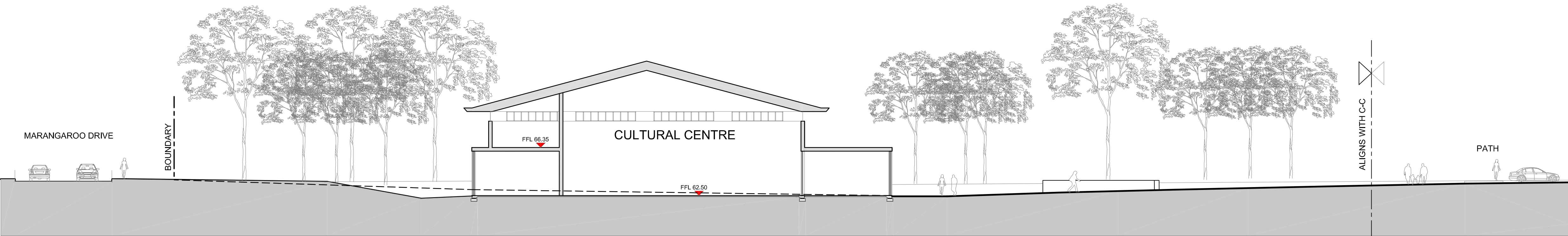
ELEVATIONS -CURVED WALLS

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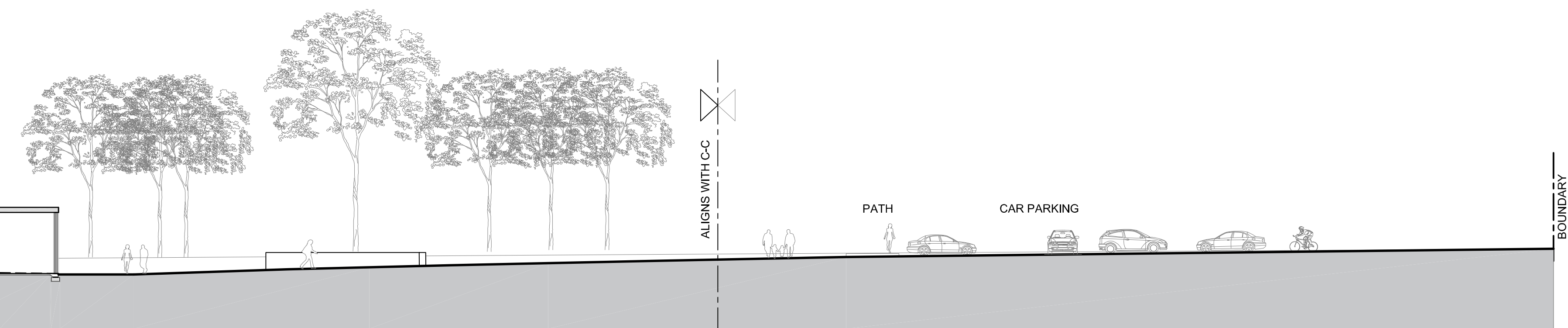
SITE SECTION A-A LOOKING NORTH

SCALE 1:200



SITE SECTION B-B LOOKING WEST

SCALE 1:200



SITE SECTION B-B LOOKING WEST

SCALE 1:200

18.04.23	B	ISSUED FOR DEVELOPMENT APPROVAL	IR
18.03.23	A	ISSUED FOR DESIGN REVIEW PANEL	IR
DATE	REV	NOTE	BY

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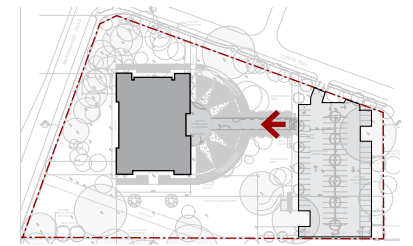
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VIETNAMESE CULTURAL CENTRE

SITE SECTIONS

DRAWN	PC	DATE	20/07/22	APPROVED	DRAWING No.	REV
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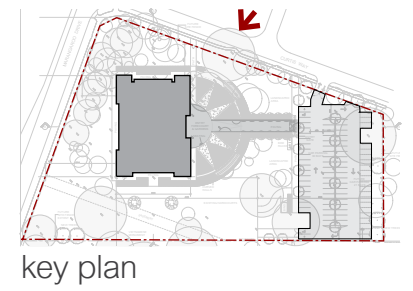
South View



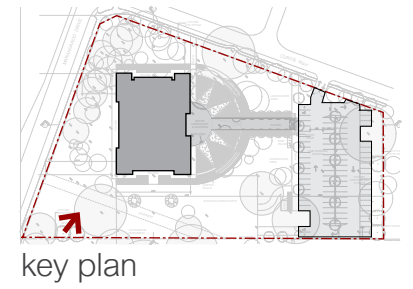
key plan



South East View



North West View



APPENDIX B

DBCA NatureMap

fid	SPECIES	GROUP	CONS	KINGDOM
2146058	<i>Crinia glauerti</i>	AMPHI		Animalia
1149498	<i>Crinia insignifera</i>	AMPHI		Animalia
2313561	<i>Heleioporus albopunctatus</i>	AMPHI		Animalia
1141910	<i>Heleioporus eyrei</i>	AMPHI		Animalia
1184828	<i>Limnodynastes dorsalis</i>	AMPHI		Animalia
2172008	<i>Litoria adelaidensis</i>	AMPHI		Animalia
1174354	<i>Litoria moorei</i>	AMPHI		Animalia
1150111	<i>Myobatrachus gouldii</i>	AMPHI		Animalia
1363222	<i>Pseudophryne guentheri</i>	AMPHI		Animalia
252466	<i>Acanthagenys rufogularis</i>	BIRD		Animalia
128173	<i>Acanthiza apicalis</i>	BIRD		Animalia
120728	<i>Acanthiza chrysorrhoa</i>	BIRD		Animalia
299558	<i>Acanthiza inornata</i>	BIRD		Animalia
2570425	<i>Acanthiza uropygialis</i>	BIRD		Animalia
222869	<i>Acanthorhynchus superciliosus</i>	BIRD		Animalia
234700	<i>Accipiter cirrocephalus</i>	BIRD		Animalia
2028129	<i>Accipiter cirrocephalus subsp. cirrocephalus</i>	BIRD		Animalia
129339	<i>Accipiter fasciatus</i>	BIRD		Animalia
2018274	<i>Accipiter fasciatus subsp. fasciatus</i>	BIRD		Animalia
54434	<i>Acrocephalus australis</i>	BIRD		Animalia
326880	<i>Actitis hypoleucos</i>	BIRD	MI	Animalia
54864	<i>Anas castanea</i>	BIRD		Animalia
51438	<i>Anas gracilis</i>	BIRD		Animalia
178860	<i>Anas platyrhynchos</i>	BIRD		Animalia
846745	<i>Anas platyrhynchos subsp. domesticus</i>	BIRD		Animalia
54831	<i>Anas rhynchotis</i>	BIRD		Animalia
54570	<i>Anas superciliosa</i>	BIRD		Animalia
55619	<i>Anhinga melanogaster</i>	BIRD		Animalia
125930	<i>Anhinga novaehollandiae</i>	BIRD		Animalia
2025933	<i>Anous tenuirostris subsp. melanops</i>	BIRD	EN	Animalia
811174	<i>Anser anser</i>	BIRD		Animalia
164538	<i>Anthochaera carunculata</i>	BIRD		Animalia
698970	<i>Anthochaera lunulata</i>	BIRD		Animalia
1456983	<i>Anthus australis</i>	BIRD		Animalia
377359	<i>Apus pacificus</i>	BIRD	MI	Animalia
221468	<i>Aquila audax</i>	BIRD		Animalia
54718	<i>Ardea alba subsp. modesta</i>	BIRD		Animalia
196852	<i>Ardea ibis</i>	BIRD		Animalia
2549291	<i>Ardea ibis subsp. coromanda</i>	BIRD		Animalia
170557	<i>Ardea intermedia</i>	BIRD		Animalia
118878	<i>Ardea modesta</i>	BIRD		Animalia
55543	<i>Ardea novaehollandiae</i>	BIRD		Animalia
55530	<i>Ardea pacifica</i>	BIRD		Animalia
733954	<i>Artamus cinereus</i>	BIRD		Animalia
54446	<i>Aythya australis</i>	BIRD		Animalia
698406	<i>Barnardius zonarius</i>	BIRD		Animalia

54623	<i>Biziura lobata</i>	BIRD		Animalia
61853	<i>Botaurus poiciloptilus</i>	BIRD	EN	Animalia
201706	<i>Burhinus grallarius</i>	BIRD		Animalia
145066	<i>Cacatua galerita</i>	BIRD		Animalia
2060646	<i>Cacatua galerita subsp. galerita</i>	BIRD		Animalia
248350	<i>Cacatua pastinator</i>	BIRD		Animalia
1132533	<i>Cacatua roseicapilla</i>	BIRD		Animalia
166097	<i>Cacatua sanguinea</i>	BIRD		Animalia
165120	<i>Cacatua tenuirostris</i>	BIRD		Animalia
123999	<i>Cacomantis flabelliformis</i>	BIRD		Animalia
286612	<i>Cacomantis pallidus</i>	BIRD		Animalia
61734	<i>Calidris acuminata</i>	BIRD	MI	Animalia
723406	<i>Calidris canutus</i>	BIRD	EN	Animalia
82811	<i>Calidris ferruginea</i>	BIRD	CR	Animalia
354694	<i>Calidris melanotos</i>	BIRD	MI	Animalia
506131	<i>Calidris ruficollis</i>	BIRD	MI	Animalia
66857	<i>Calidris subminuta</i>	BIRD	MI	Animalia
172288	<i>Calyptorhynchus banksii</i>	BIRD		Animalia
1787461	<i>Calyptorhynchus banksii subsp. naso</i>	BIRD	VU	Animalia
516881	<i>Calyptorhynchus baudinii</i>	BIRD	EN	Animalia
169241	<i>Calyptorhynchus latirostris</i>	BIRD	EN	Animalia
698407	<i>Calyptorhynchus sp.</i>	BIRD		Animalia
1801300	<i>Calyptorhynchus sp. 'white-tailed black cockatoo'</i>	BIRD		Animalia
3029156	<i>Carduelis carduelis</i>	BIRD		Animalia
5480370	<i>Catharacta antarctica subsp. lonnbergi</i>	BIRD		Animalia
56648	<i>Charadrius melanops</i>	BIRD		Animalia
56299	<i>Charadrius ruficapillus</i>	BIRD		Animalia
54717	<i>Chenonetta jubata</i>	BIRD		Animalia
452126	<i>Cheramoea leucosterna</i>	BIRD		Animalia
328089	<i>Chlidonias leucopterus</i>	BIRD	MI	Animalia
704430	<i>Chroicocephalus novaehollandiae</i>	BIRD		Animalia
1323509	<i>Chrysococcyx basalis</i>	BIRD		Animalia
2010658	<i>Chrysococcyx lucidus subsp. plagosus</i>	BIRD		Animalia
57308	<i>Circus approximans</i>	BIRD		Animalia
3103505	<i>Circus assimilis</i>	BIRD		Animalia
69386	<i>Cladorhynchus leucocephalus</i>	BIRD		Animalia
563556	<i>Colluricincla harmonica</i>	BIRD		Animalia
198304	<i>Columba livia</i>	BIRD		Animalia
123798	<i>Coracina novaehollandiae</i>	BIRD		Animalia
724783	<i>Corvus bennetti</i>	BIRD		Animalia
119710	<i>Corvus coronoides</i>	BIRD		Animalia
2039559	<i>Corvus coronoides subsp. perplexus</i>	BIRD		Animalia
2062648	<i>Coturnix pectoralis</i>	BIRD	P2	Animalia
376138	<i>Coturnix ypsilophora</i>	BIRD		Animalia
3330114	<i>Cracticus nigrogularis</i>	BIRD		Animalia
120655	<i>Cracticus tibicen</i>	BIRD		Animalia
2012954	<i>Cracticus tibicen subsp. dorsalis</i>	BIRD		Animalia

121257	<i>Cracticus torquatus</i>	BIRD		Animalia
1259507	<i>Cuculus pallidus</i>	BIRD		Animalia
51781	<i>Cygnus atratus</i>	BIRD		Animalia
193488	<i>Cygnus olor</i>	BIRD		Animalia
165049	<i>Dacelo novaeguineae</i>	BIRD		Animalia
2032150	<i>Dacelo novaeguineae subsp. novaeguineae</i>	BIRD		Animalia
729070	<i>Daphoenositta chrysoptera</i>	BIRD		Animalia
2018248	<i>Daption capense</i>	BIRD		Animalia
706383	<i>Dendrocygna eytoni</i>	BIRD		Animalia
192402	<i>Dicaeum hirundinaceum</i>	BIRD		Animalia
2027265	<i>Diomedea chlororhynchos</i>	BIRD		Animalia
2063525	<i>Diomedea chlororhynchos subsp. carteri</i>	BIRD		Animalia
2003057	<i>Diomedea chrysostoma</i>	BIRD		Animalia
702957	<i>Egretta garzetta</i>	BIRD		Animalia
702346	<i>Egretta novaehollandiae</i>	BIRD		Animalia
323875	<i>Egretta sacra</i>	BIRD		Animalia
707163	<i>Elanus axillaris</i>	BIRD		Animalia
2010795	<i>Elanus caeruleus subsp. axillaris</i>	BIRD		Animalia
139818	<i>Elseyornis melanops</i>	BIRD		Animalia
704962	<i>Eolophus roseicapillus</i>	BIRD		Animalia
307493	<i>Epthianura albifrons</i>	BIRD		Animalia
61829	<i>Erythrogonyx cinctus</i>	BIRD		Animalia
2564712	<i>Eurostopodus argus</i>	BIRD		Animalia
747128	<i>Falco berigora</i>	BIRD		Animalia
169786	<i>Falco cenchroides</i>	BIRD		Animalia
2068293	<i>Falco cenchroides subsp. cenchroides</i>	BIRD		Animalia
122986	<i>Falco longipennis</i>	BIRD		Animalia
2012083	<i>Falco longipennis subsp. longipennis</i>	BIRD		Animalia
177722	<i>Falco peregrinus</i>	BIRD	OS	Animalia
2570975	<i>Falco peregrinus subsp. macropus</i>	BIRD		Animalia
118946	<i>Fulica atra</i>	BIRD		Animalia
54662	<i>Fulica atra subsp. australis</i>	BIRD		Animalia
124775	<i>Gallinula tenebrosa</i>	BIRD		Animalia
54687	<i>Gallinula tenebrosa subsp. tenebrosa</i>	BIRD		Animalia
54887	<i>Gallinula ventralis</i>	BIRD		Animalia
54812	<i>Gallirallus philippensis</i>	BIRD		Animalia
2566706	<i>Gallirallus philippensis subsp. mellori</i>	BIRD		Animalia
2003945	<i>Gallus gallus</i>	BIRD		Animalia
2003210	<i>Gavicalis virescens</i>	BIRD		Animalia
2779085	<i>Gelochelidon nilotica</i>	BIRD	MI	Animalia
127254	<i>Gerygone fusca</i>	BIRD		Animalia
1226042	<i>Gerygone fusca subsp. fusca</i>	BIRD		Animalia
932627	<i>Glossopsitta porphyrocephala</i>	BIRD		Animalia
212535	<i>Glyciphila melanops</i>	BIRD		Animalia
161103	<i>Grallina cyanoleuca</i>	BIRD		Animalia
2850822	<i>Haematopus fuliginosus</i>	BIRD		Animalia
139696	<i>Haliaeetus leucogaster</i>	BIRD		Animalia

121873	<i>Haliastur sphenurus</i>	BIRD		Animalia
2004824	<i>Halobaena caerulea</i>	BIRD		Animalia
2540853	<i>Hamirostra isura</i>	BIRD		Animalia
243896	<i>Hieraaetus morphnoides</i>	BIRD		Animalia
51141	<i>Himantopus himantopus</i>	BIRD		Animalia
124036	<i>Hirundo neoxena</i>	BIRD		Animalia
1513163	<i>Hirundo nigricans</i>	BIRD		Animalia
139479	<i>Hydroprogne caspia</i>	BIRD	MI	Animalia
216169	<i>Ixobrychus dubius</i>	BIRD	P4	Animalia
2009757	<i>Ixobrychus flavicollis subsp. australis</i>	BIRD	P2	Animalia
1791319	<i>Ixobrychus minutus</i>	BIRD		Animalia
2071091	<i>Ixobrychus minutus subsp. dubius</i>	BIRD		Animalia
2065239	<i>Lalage tricolor</i>	BIRD		Animalia
57846	<i>Larus novaehollandiae subsp. novaehollandiae</i>	BIRD		Animalia
198573	<i>Larus pacificus</i>	BIRD		Animalia
408591	<i>Lichenostomus leucotis</i>	BIRD		Animalia
450382	<i>Lichenostomus ornatus</i>	BIRD		Animalia
120071	<i>Lichenostomus virescens</i>	BIRD		Animalia
127902	<i>Lichmera indistincta</i>	BIRD		Animalia
325631	<i>Limosa haemastica</i>	BIRD		Animalia
3197390	<i>Limosa lapponica</i>	BIRD	MI	Animalia
60840	<i>Limosa limosa</i>	BIRD	MI	Animalia
312097	<i>Lonchura castaneothorax</i>	BIRD		Animalia
1810789	<i>Macronectes giganteus</i>	BIRD	MI	Animalia
51780	<i>Malacorhynchus membranaceus</i>	BIRD		Animalia
234827	<i>Malurus lamberti</i>	BIRD		Animalia
2030240	<i>Malurus leucopterus</i>	BIRD		Animalia
172787	<i>Malurus splendens</i>	BIRD		Animalia
1429158	<i>Malurus splendens subsp. splendens</i>	BIRD		Animalia
382189	<i>Manorina flavigula</i>	BIRD		Animalia
62073	<i>Megalurus gramineus</i>	BIRD		Animalia
2907676	<i>Melanodryas cucullata</i>	BIRD		Animalia
583350	<i>Melithreptus brevirostris</i>	BIRD		Animalia
731415	<i>Melithreptus lunatus</i>	BIRD		Animalia
165969	<i>Merops ornatus</i>	BIRD		Animalia
705392	<i>Microcarbo melanoleucos</i>	BIRD		Animalia
3004107	<i>Microeca fascinans</i>	BIRD		Animalia
623272	<i>Morus serrator</i>	BIRD		Animalia
417776	<i>Motacilla alba</i>	BIRD		Animalia
3317504	<i>Myiagra inquieta</i>	BIRD		Animalia
743240	<i>Neophema elegans</i>	BIRD		Animalia
2862236	<i>Ninox connivens</i>	BIRD		Animalia
1871247	<i>Ninox connivens subsp. connivens (southwest subpop.)</i>	BIRD		Animalia
217166	<i>Ninox novaeseelandiae</i>	BIRD		Animalia
2070025	<i>Ninox novaeseelandiae subsp. boobook</i>	BIRD		Animalia
55876	<i>Nycticorax caledonicus</i>	BIRD		Animalia
2070916	<i>Nycticorax caledonicus subsp. hilli</i>	BIRD		Animalia

2071338	<i>Oceanites marinus subsp. dulciae</i>	BIRD		Animalia
2544946	<i>Oceanites oceanicus</i>	BIRD	MI	Animalia
196157	<i>Ocyphaps lophotes</i>	BIRD		Animalia
725561	<i>Onychoprion anaethetus</i>	BIRD	MI	Animalia
55428	<i>Oxyura australis</i>	BIRD	P4	Animalia
167655	<i>Pachycephala pectoralis</i>	BIRD		Animalia
174595	<i>Pachycephala rufiventris</i>	BIRD		Animalia
2068140	<i>Pachycephala rufiventris subsp. rufiventris</i>	BIRD		Animalia
2008625	<i>Pachyptila belcheri</i>	BIRD	P3	Animalia
2000299	<i>Pachyptila desolata</i>	BIRD		Animalia
2003046	<i>Pachyptila salvini</i>	BIRD		Animalia
2063109	<i>Pachyptila vittata</i>	BIRD		Animalia
195397	<i>Pandion cristatus</i>	BIRD	MI	Animalia
2575232	<i>Pandion haliaetus subsp. cristatus</i>	BIRD		Animalia
192044	<i>Pardalotus punctatus</i>	BIRD		Animalia
2011044	<i>Pardalotus punctatus subsp. punctatus</i>	BIRD		Animalia
140852	<i>Pardalotus striatus</i>	BIRD		Animalia
56121	<i>Pelecanus conspicillatus</i>	BIRD		Animalia
970109	<i>Petrochelidon ariel</i>	BIRD		Animalia
127491	<i>Petrochelidon nigricans</i>	BIRD		Animalia
469446	<i>Petroica boodang</i>	BIRD		Animalia
277586	<i>Petroica goodenovii</i>	BIRD		Animalia
2005252	<i>Petroica multicolor subsp. campbelli</i>	BIRD		Animalia
59991	<i>Phalacrocorax carbo</i>	BIRD		Animalia
54631	<i>Phalacrocorax melanoleucos</i>	BIRD		Animalia
51441	<i>Phalacrocorax sulcirostris</i>	BIRD		Animalia
175956	<i>Phalacrocorax varius</i>	BIRD		Animalia
2000568	<i>Phalacrocorax varius subsp. hypoleucos</i>	BIRD		Animalia
153375	<i>Phaps chalcoptera</i>	BIRD		Animalia
584468	<i>Phaps elegans</i>	BIRD		Animalia
2028552	<i>Phoebetria sp.</i>	BIRD		Animalia
124847	<i>Phylidonyris niger</i>	BIRD		Animalia
1131068	<i>Phylidonyris nigra</i>	BIRD		Animalia
164470	<i>Phylidonyris novaehollandiae</i>	BIRD		Animalia
51455	<i>Platalea flavipes</i>	BIRD		Animalia
641800	<i>Platalea regia</i>	BIRD		Animalia
763584	<i>Platycercus icterotis</i>	BIRD		Animalia
1340680	<i>Platycercus spurius</i>	BIRD		Animalia
1132103	<i>Platycercus zonarius</i>	BIRD		Animalia
2009339	<i>Platycercus zonarius subsp. semitorquatus</i>	BIRD		Animalia
122548	<i>Plegadis falcinellus</i>	BIRD	MI	Animalia
144960	<i>Podargus strigoides</i>	BIRD		Animalia
2002636	<i>Podargus strigoides subsp. brachypterus</i>	BIRD		Animalia
54568	<i>Podiceps cristatus</i>	BIRD		Animalia
2573792	<i>Poephila bichenovii</i>	BIRD		Animalia
54688	<i>Poliiocephalus poliocephalus</i>	BIRD		Animalia
1513162	<i>Polytelis swainsonii</i>	BIRD		Animalia

166448	<i>Porphyrio porphyrio</i>	BIRD		Animalia
54639	<i>Porphyrio porphyrio subsp. bellus</i>	BIRD		Animalia
55848	<i>Porzana fluminea</i>	BIRD		Animalia
119466	<i>Porzana pusilla</i>	BIRD		Animalia
57396	<i>Porzana pusilla subsp. palustris</i>	BIRD		Animalia
54830	<i>Porzana tabuensis</i>	BIRD		Animalia
2010828	<i>Pterodroma brevirostris</i>	BIRD		Animalia
2010838	<i>Pterodroma lessonii</i>	BIRD		Animalia
2063718	<i>Pterodroma macroptera</i>	BIRD		Animalia
2031518	<i>Puffinus assimilis subsp. assimilis</i>	BIRD		Animalia
736437	<i>Purpureicephalus spurius</i>	BIRD		Animalia
84678	<i>Recurvirostra novaehollandiae</i>	BIRD		Animalia
119751	<i>Rhipidura albiscapa</i>	BIRD		Animalia
1193805	<i>Rhipidura fuliginosa</i>	BIRD		Animalia
118860	<i>Rhipidura leucophrys</i>	BIRD		Animalia
1788359	<i>Rostratula australis</i>	BIRD	EN	Animalia
214784	<i>Sericornis frontalis</i>	BIRD		Animalia
5470402	<i>Serinus canarius</i>	BIRD		Animalia
128413	<i>Smicrornis brevirostris</i>	BIRD		Animalia
3162123	<i>Stercorarius antarcticus</i>	BIRD		Animalia
59620	<i>Sterna caspia</i>	BIRD		Animalia
2020237	<i>Sterna fuscata subsp. nubilosa</i>	BIRD		Animalia
71397	<i>Sterna hybrida</i>	BIRD		Animalia
58516	<i>Sterna leucoptera</i>	BIRD		Animalia
291008	<i>Sterna paradisaea</i>	BIRD		Animalia
784813	<i>Sternula nereis</i>	BIRD		Animalia
58623	<i>Stictonetta naevosa</i>	BIRD		Animalia
402888	<i>Strepera versicolor</i>	BIRD		Animalia
176328	<i>Streptopelia chinensis</i>	BIRD		Animalia
128165	<i>Streptopelia senegalensis</i>	BIRD		Animalia
2563989	<i>Streptopelia senegalensis subsp. senegalensis</i>	BIRD		Animalia
119595	<i>Tachybaptus novaehollandiae</i>	BIRD		Animalia
51440	<i>Tachybaptus novaehollandiae subsp. novaehollandiae</i>	BIRD		Animalia
54575	<i>Tadorna tadornoides</i>	BIRD		Animalia
184771	<i>Thalasseus bergii</i>	BIRD	MI	Animalia
51439	<i>Threskiornis molucca</i>	BIRD		Animalia
54710	<i>Threskiornis spinicollis</i>	BIRD		Animalia
217979	<i>Todiramphus sanctus</i>	BIRD		Animalia
2021113	<i>Todiramphus sanctus subsp. sanctus</i>	BIRD		Animalia
118841	<i>Tribonyx ventralis</i>	BIRD		Animalia
165449	<i>Trichoglossus haematodus</i>	BIRD		Animalia
1293016	<i>Trichoglossus haematodus subsp. moluccanus</i>	BIRD		Animalia
2303090	<i>Trichoglossus moluccanus</i>	BIRD		Animalia
58286	<i>Tringa glareola</i>	BIRD	MI	Animalia
59663	<i>Tringa hypoleucos</i>	BIRD		Animalia
55186	<i>Tringa nebularia</i>	BIRD	MI	Animalia
76775	<i>Tringa stagnatilis</i>	BIRD	MI	Animalia

2030216	<i>Turnix varia subsp. varia</i>	BIRD		Animalia
773047	<i>Turnix varius</i>	BIRD		Animalia
2014801	<i>Tyto alba subsp. delicatula</i>	BIRD		Animalia
2039530	<i>Tyto novaehollandiae subsp. novaehollandiae</i>	BIRD	P3	Animalia
2019392	<i>Vanellus miles subsp. miles</i>	BIRD		Animalia
72044	<i>Vanellus tricolor</i>	BIRD		Animalia
177325	<i>Zosterops lateralis</i>	BIRD		Animalia
2009799	<i>Zosterops lateralis subsp. gouldi</i>	BIRD		Animalia
2035356	? ?	FISH		Animalia
2148027	<i>Acanthaluteres brownii</i>	FISH		Animalia
2058346	<i>Acanthistius pardalotus</i>	FISH		Animalia
2045405	<i>Aetapcus maculatus</i>	FISH		Animalia
2045460	<i>Aracana aurita</i>	FISH		Animalia
2166028	<i>Aulohaelurus labiosus</i>	FISH		Animalia
2065496	<i>Aulohaelurus labiosus?</i>	FISH	P2	Animalia
2149960	<i>Aulostomus chinensis</i>	FISH		Animalia
2019414	<i>Batrachomoeus rubricephalus</i>	FISH		Animalia
2006179	<i>Brachaluteres jacksonianus</i>	FISH		Animalia
2032526	<i>Callogobius depressus</i>	FISH		Animalia
2030545	<i>Callogobius mucosus</i>	FISH		Animalia
2134964	<i>Carassius auratus</i>	FISH		Animalia
2144470	<i>Carcharhinus brachyurus</i>	FISH		Animalia
2041321	<i>Carcharhinus sp.</i>	FISH		Animalia
2014595	<i>Centroberyx australis</i>	FISH		Animalia
2032194	<i>Cheilodactylus gibbosus</i>	FISH		Animalia
2036550	<i>Cheilodactylus rubrolabiatus</i>	FISH		Animalia
2041482	<i>Chelidonichthys kumu</i>	FISH		Animalia
2023469	<i>Cleidopus gloriamaris</i>	FISH		Animalia
2164241	<i>Cnidoglanis macrocephalus</i>	FISH		Animalia
2060620	<i>Conger wilsoni</i>	FISH		Animalia
2030705	<i>Crapatalus arenarius</i>	FISH		Animalia
2152678	<i>Cristiceps aurantiacus</i>	FISH		Animalia
2166451	<i>Cybiosarda elegans</i>	FISH		Animalia
2065328	<i>Cynoglossus broadhursti</i>	FISH		Animalia
2164896	<i>Dactylopus dactylopus</i>	FISH		Animalia
2058421	<i>Diodon nichthemerus</i>	FISH		Animalia
2059731	<i>Dipulus caecus</i>	FISH		Animalia
2012857	<i>Echeneis naucrates</i>	FISH		Animalia
2017820	<i>Euleptorhamphus viridis</i>	FISH		Animalia
2002654	<i>Filicampus tigris</i>	FISH		Animalia
2023056	<i>Fistularia petimba</i>	FISH		Animalia
2034461	<i>Gambusia affinis</i>	FISH	VU	Animalia
2050288	<i>Gerres subfasciatus</i>	FISH		Animalia
2177813	<i>Gnathanacanthus goetzeei</i>	FISH		Animalia
2057788	<i>Gnathophis longicaudatus</i>	FISH		Animalia
2036380	<i>Gonorynchus greyi</i>	FISH		Animalia
2164454	<i>Gymnothorax prasinus</i>	FISH	P3	Animalia

2002396	<i>Helcogramma decurrens</i>	FISH		Animalia
2007040	<i>Heteroclinus heptaeolus</i>	FISH		Animalia
2166552	<i>Heteroclinus milwardi (ms)</i>	FISH		Animalia
2022329	<i>Heteroclinus perspicillatus</i>	FISH		Animalia
2031187	<i>Heteroclinus sp.</i>	FISH		Animalia
2014313	<i>Heterodontus portusjacksoni</i>	FISH		Animalia
2061232	<i>Hyporhamphus melanochir</i>	FISH		Animalia
2171814	<i>Kyphosus cornelii</i>	FISH		Animalia
2071297	<i>Lagocephalus scleratus</i>	FISH		Animalia
2029815	<i>Lampris guttatus</i>	FISH		Animalia
2138139	<i>Lotella rhacinus</i>	FISH		Animalia
2033239	<i>Meuschenia freycineti</i>	FISH		Animalia
2027559	<i>Monacanthus chinensis</i>	FISH		Animalia
2068985	<i>Muraenichthys australis</i>	FISH		Animalia
2033693	<i>Muraenichthys tasmaniensis</i>	FISH	P1	Animalia
2016587	<i>Mustelus antarcticus</i>	FISH		Animalia
2065899	<i>Myliobatis australis</i>	FISH		Animalia
2034336	<i>Neopataecus waterhousii</i>	FISH		Animalia
2141386	<i>Notolabrus parilus</i>	FISH		Animalia
2138745	<i>Odax acroptilus</i>	FISH		Animalia
2023048	<i>Odax cyanomelas</i>	FISH		Animalia
2166431	<i>Ophichthus melanochir</i>	FISH		Animalia
2573049	<i>Ophisurus serpens</i>	FISH		Animalia
2571031	<i>Orectolobus n.sp</i>	FISH		Animalia
2032387	<i>Parablennius postocolomaculatus</i>	FISH		Animalia
2570451	<i>Parascyllium variolatum</i>	FISH		Animalia
5475398	<i>Pempheris klunzingeri</i>	FISH		Animalia
2023054	<i>Phycodurus eques</i>	FISH	P2	Animalia
2165329	<i>Phyllophichthus xenodontus</i>	FISH		Animalia
2022935	<i>Phyllopteryx taeniolatus</i>	FISH	EN	Animalia
5485375	<i>Platycephalus indicus</i>	FISH		Animalia
2035975	<i>Pseudogobius olorum</i>	FISH		Animalia
2035518	<i>Pterygotrigla polyommata</i>	FISH		Animalia
2048959	<i>Regalecus glesne</i>	FISH		Animalia
2007933	<i>Rhycherus gloveri</i>	FISH		Animalia
2140769	<i>Saurida grandisquamis</i>	FISH		Animalia
2040264	<i>Scobinichthys granulatus</i>	FISH		Animalia
2037086	<i>Scomber australasicus</i>	FISH		Animalia
2161373	<i>Seriola lalandi</i>	FISH		Animalia
2017903	<i>Siphonognathus argyrophanes</i>	FISH		Animalia
2067518	<i>Sphyrna obtusata</i>	FISH		Animalia
2065321	<i>Sphyrna zygaena</i>	FISH		Animalia
2033257	<i>Stigmatopora argus</i>	FISH		Animalia
2143276	<i>Strongylura leiura</i>	FISH		Animalia
2149919	<i>Sutorectus tentaculatus</i>	FISH	P3	Animalia
2063770	<i>Thysanophrys cirronasus</i>	FISH		Animalia
2175880	<i>Torquigener pleurogramma</i>	FISH		Animalia

2041720	<i>Trachichthys australis</i>	FISH	P3	Animalia
2006326	<i>Trachinocephalus myops</i>	FISH		Animalia
2020942	<i>Trachurus declivis</i>	FISH		Animalia
2141392	<i>Tridentiger trigonocephalus</i>	FISH		Animalia
2017487	<i>Trygonorrhina sp.</i>	FISH		Animalia
2152312	<i>Tylosurus crocodilus</i>	FISH		Animalia
2033428	<i>Urocampus carinirostris</i>	FISH		Animalia
2573080	<i>Aganippe raphiduca</i>	INVERT		Animalia
2082204	<i>Akamptogonus novarae</i>	INVERT		Animalia
2005085	<i>Amblyomma triguttatum</i>	INVERT		Animalia
2000412	<i>Aname mainae</i>	INVERT		Animalia
2011171	<i>Aname tepperi</i>	INVERT		Animalia
2099820	<i>Antichiropus variabilis</i>	INVERT		Animalia
2001709	<i>Antichiropus whistleri</i>	INVERT		Animalia
2009536	<i>Arachnura higginsii</i>	INVERT		Animalia
2004602	<i>Araneus cyphoxis</i>	INVERT		Animalia
2084174	<i>Araneus eburneiventris</i>	INVERT	P4	Animalia
2566826	<i>Araneus eburnus</i>	INVERT		Animalia
2006630	<i>Araneus senicaudatus</i>	INVERT		Animalia
2000976	<i>Argiope protensa</i>	INVERT		Animalia
2050709	<i>Argiope trifasciata</i>	INVERT		Animalia
2571495	<i>Argoctenus bidentatus</i>	INVERT		Animalia
2001085	<i>Artoria linnaei</i>	INVERT		Animalia
2001390	<i>Artoria taeniifera</i>	INVERT		Animalia
2097708	<i>Artoriopsis eccentrica</i>	INVERT		Animalia
2004443	<i>Artoriopsis expolita</i>	INVERT		Animalia
2013884	<i>Austracantha minax</i>	INVERT		Animalia
2100340	<i>Australomimetes aurioculatus</i>	INVERT		Animalia
1793572	<i>Australotomurus morbidus</i>	INVERT	P3	Animalia
2051869	<i>Austrammo harveyi</i>	INVERT		Animalia
2010591	<i>Backobourkia brounii</i>	INVERT		Animalia
2078651	<i>Backobourkia heroine</i>	INVERT		Animalia
2007359	<i>Badumna insignis</i>	INVERT		Animalia
2003846	<i>Ballarra longipalpus</i>	INVERT		Animalia
1394912	<i>beetle sp.</i>	INVERT		Animalia
2021832	<i>Bianor maculatus</i>	INVERT		Animalia
2078885	<i>Celaenia excavata</i>	INVERT		Animalia
2004347	<i>Cercophonius granulatus</i>	INVERT		Animalia
2007823	<i>Cercophonius sulcatus</i>	INVERT		Animalia
1393322	<i>Cherax destructor</i>	INVERT		Animalia
1393321	<i>Cherax quinquecarinatus</i>	INVERT		Animalia
2005616	<i>Copidognathus cooki</i>	INVERT		Animalia
2003898	<i>Cormocephalus aurantiipes</i>	INVERT		Animalia
2097897	<i>Cormocephalus novaehollandiae</i>	INVERT		Animalia
2074819	<i>Cormocephalus strigosus</i>	INVERT		Animalia
2110050	<i>Cormocephalus turneri</i>	INVERT		Animalia
2083835	<i>Crustulina bicrucata</i>	INVERT		Animalia

2003638	<i>Cryptoerithus quobba</i>	INVERT		Animalia
2569862	<i>Delena cancerides</i>	INVERT		Animalia
2000118	<i>Dingosa serrata</i>	INVERT		Animalia
5476963	<i>Dinocambala ingens</i>	INVERT		Animalia
1206037	<i>earthworm sp.</i>	INVERT		Animalia
2575895	<i>Eodelena convexa</i>	INVERT		Animalia
2001091	<i>Eriophora biapicata</i>	INVERT		Animalia
2076989	<i>Ero aphana</i>	INVERT		Animalia
2565645	<i>Erythracarus decoris</i>	INVERT		Animalia
2000490	<i>Ethmostigmus rubripes</i>	INVERT		Animalia
1158798	<i>fly sp.</i>	INVERT		Animalia
2106583	<i>Gea theridioides</i>	INVERT		Animalia
2075421	<i>Geogarypus taylori</i>	INVERT		Animalia
2010587	<i>Henicops dentatus</i>	INVERT		Animalia
2072027	<i>Hogna crispipes</i>	INVERT		Animalia
2050653	<i>Hogna immansueta</i>	INVERT		Animalia
1843513	<i>Hylaeus globuliferus</i>	INVERT	P3	Animalia
1350688	<i>Hylaeus macrohylaeus</i>	INVERT		Animalia
2000243	<i>Idiommatia blackwalli</i>	INVERT		Animalia
2000085	<i>Idiosoma sigillatum</i>	INVERT	P3	Animalia
2571634	<i>Isometroides vascus</i>	INVERT		Animalia
2007642	<i>Isopeda leishmanni</i>	INVERT		Animalia
2048347	<i>Isopedella cana</i>	INVERT		Animalia
2001819	<i>Karaops jarrit</i>	INVERT		Animalia
2099662	<i>Lampona brevipes</i>	INVERT		Animalia
2000545	<i>Lampona cylindrata</i>	INVERT		Animalia
2004165	<i>Lamponella kimba</i>	INVERT		Animalia
2546060	<i>Lamponina elongata</i>	INVERT		Animalia
2568826	<i>Lamprochernes savignyi</i>	INVERT		Animalia
2000211	<i>Latrodectus hasseltii</i>	INVERT		Animalia
2544188	<i>Limnochares australica</i>	INVERT		Animalia
2078317	<i>Longepi woodman</i>	INVERT	VU	Animalia
2106032	<i>Lycosa austicola</i>	INVERT		Animalia
2007960	<i>Lycosa australicola</i>	INVERT		Animalia
2100187	<i>Lycosa gilberta</i>	INVERT		Animalia
2567377	<i>Lycosa godeffroyi</i>	INVERT		Animalia
1481854	<i>Maratus chrysomelas</i>	INVERT		Animalia
1213559	<i>Maratus pavonis</i>	INVERT		Animalia
1183844	<i>Maratus sp. 8 (undescribed)</i>	INVERT		Animalia
1330622	<i>Maratus spicatus</i>	INVERT		Animalia
2005585	<i>Masasteron tuart</i>	INVERT		Animalia
2081901	<i>Meedo harveyi</i>	INVERT		Animalia
2001873	<i>Missulena granulosa</i>	INVERT		Animalia
2006203	<i>Missulena occatoria</i>	INVERT		Animalia
2000392	<i>Mituliodon tarantulinus</i>	INVERT		Animalia
2080125	<i>Mitzoruga insularis</i>	INVERT		Animalia
2001740	<i>Molycra vokes</i>	INVERT		Animalia

2021088	<i>Myandra bicincta</i>	INVERT		Animalia
2011363	<i>Myandra cambridgei</i>	INVERT		Animalia
2008710	<i>Myialges ancistroneae</i>	INVERT		Animalia
2020389	<i>Nephila edulis</i>	INVERT		Animalia
2011598	<i>Nicodamus mainae</i>	INVERT		Animalia
2009995	<i>Notiasemus glauerti</i>	INVERT		Animalia
2020640	<i>Ocrisoma leucomis</i>	INVERT		Animalia
2012068	<i>Oecobius navus</i>	INVERT		Animalia
2050911	<i>Ommatoiulus moreleti</i>	INVERT		Animalia
2003130	<i>Ommatoiulus moreletii</i>	INVERT		Animalia
2011184	<i>Ornithonyssus bacoti</i>	INVERT	P3	Animalia
2004060	<i>Ostearius melanopygius</i>	INVERT		Animalia
2054515	<i>Ozarchaea westraliensis</i>	INVERT		Animalia
2072293	<i>Paralampona marangaroo</i>	INVERT		Animalia
2007975	<i>Paraplectanoides crassipes</i>	INVERT		Animalia
2049590	<i>Pediana occidentalis</i>	INVERT		Animalia
2075202	<i>Phenasteron longiconductor</i>	INVERT		Animalia
2080954	<i>Phenasteron machinosum</i>	INVERT		Animalia
2011151	<i>Pholcus phalangioides</i>	INVERT	P2	Animalia
2006245	<i>Phryganoporus candidus</i>	INVERT		Animalia
2053615	<i>Prionosternum nitidiceps</i>	INVERT		Animalia
2073089	<i>Prionosternum scutatum</i>	INVERT		Animalia
2110429	<i>Protogarypinus giganteus</i>	INVERT		Animalia
2001428	<i>Pseudolampona woodman</i>	INVERT		Animalia
2056929	<i>Pycnothea flynni</i>	INVERT		Animalia
2043848	<i>Raveniella cirrata</i>	INVERT		Animalia
2000826	<i>Raveniella peckorum</i>	INVERT		Animalia
2008125	<i>Servaea melaina</i>	INVERT		Animalia
2021630	<i>Simonus lineatus</i>	INVERT		Animalia
2003700	<i>Smeringopus natalensis</i>	INVERT		Animalia
2547913	<i>Solaenodolichopus pruvoti</i>	INVERT		Animalia
5433563	<i>springtail sp.</i>	INVERT		Animalia
2044658	<i>Steatoda capensis</i>	INVERT		Animalia
2075636	<i>Steatoda grossa</i>	INVERT		Animalia
2053816	<i>Supunna funerea</i>	INVERT		Animalia
2011037	<i>Supunna picta</i>	INVERT		Animalia
1047250	<i>Synemon gratiosa</i>	INVERT	P4	Animalia
2005917	<i>Synothele durokoppin</i>	INVERT		Animalia
2082572	<i>Synothele michaelsoni</i>	INVERT		Animalia
2052915	<i>Synothele mullaloo</i>	INVERT		Animalia
2056657	<i>Tasmanicosa leuckartii</i>	INVERT		Animalia
2072516	<i>Tetranychus oraria</i>	INVERT		Animalia
2003607	<i>Urodacus armatus</i>	INVERT		Animalia
2099892	<i>Urodacus hartmeyer</i>	INVERT		Animalia
2001100	<i>Urodacus novaehollandiae</i>	INVERT		Animalia
2053367	<i>Urodacus planimanus</i>	INVERT		Animalia
2083021	<i>Urodacus woodwardii</i>	INVERT		Animalia

2007374	<i>Venator immansueta</i>	INVERT		Animalia
2021297	<i>Venatrix pullastra</i>	INVERT		Animalia
1804581	<i>Westralunio carteri</i>	INVERT	VU	Animalia
2079732	<i>Westrarchaea pusilla</i>	INVERT		Animalia
2548341	<i>Westrarchaea sinuosa</i>	INVERT		Animalia
2072775	<i>Westrarchaea spinosa</i>	INVERT		Animalia
2103152	<i>Zachria flavicoma</i>	INVERT		Animalia
1511810	<i>Arctocephalus tropicalis</i>	MAMMAL	VU	Animalia
2556714	<i>Balaenoptera acutorostrata</i>	MAMMAL		Animalia
2330448	<i>Bettongia penicillata</i>	MAMMAL		Animalia
1054114	<i>Bettongia penicillata subsp. ogilbyi</i>	MAMMAL	CR	Animalia
2013775	<i>Canis lupus</i>	MAMMAL		Animalia
1257389	<i>Canis lupus subsp. familiaris</i>	MAMMAL		Animalia
2033196	<i>Cercartetus concinnus</i>	MAMMAL		Animalia
2031875	<i>Chalinolobus gouldii</i>	MAMMAL		Animalia
2137378	<i>Dasyurus geoffroii</i>	MAMMAL	VU	Animalia
2177804	<i>Equus caballus</i>	MAMMAL		Animalia
1112730	<i>Felis catus</i>	MAMMAL		Animalia
1055617	<i>Hydromys chrysogaster</i>	MAMMAL	P4	Animalia
1786836	<i>Isoodon fusciventer</i>	MAMMAL	P4	Animalia
1051525	<i>Isoodon obesulus</i>	MAMMAL		Animalia
2299361	<i>Isoodon obesulus fusciventer</i>	MAMMAL		Animalia
1046765	<i>Isoodon obesulus subsp. fusciventer</i>	MAMMAL		Animalia
1057994	<i>Macropus eugenii subsp. derbianus</i>	MAMMAL		Animalia
1164374	<i>Macropus fuliginosus</i>	MAMMAL		Animalia
1112807	<i>Macropus irma</i>	MAMMAL		Animalia
1793047	<i>Megaptera novaeangliae</i>	MAMMAL	CD	Animalia
2143004	<i>Mesoplodon densirostris</i>	MAMMAL		Animalia
1164864	<i>Mirounga leonina</i>	MAMMAL		Animalia
1091044	<i>Mus musculus</i>	MAMMAL		Animalia
1266141	<i>Ningauai timealeyi</i>	MAMMAL		Animalia
1794812	<i>Notamacropus irma</i>	MAMMAL	P4	Animalia
2048017	<i>Nyctophilus geoffroyi</i>	MAMMAL		Animalia
1305089	<i>Oryctolagus cuniculus</i>	MAMMAL		Animalia
1282506	<i>Planigale ingrami</i>	MAMMAL		Animalia
1282505	<i>Planigale maculata</i>	MAMMAL		Animalia
2024562	<i>Pseudomys albocinereus</i>	MAMMAL		Animalia
5544899	<i>Pseudomys delicatulus</i>	MAMMAL		Animalia
5557450	<i>Pseudomys desertor</i>	MAMMAL		Animalia
1135181	<i>Rattus norvegicus</i>	MAMMAL		Animalia
1077894	<i>Rattus rattus</i>	MAMMAL		Animalia
1234288	<i>Sminthopsis macroura</i>	MAMMAL		Animalia
2146342	<i>Sus scrofa</i>	MAMMAL		Animalia
1220921	<i>Tachyglossus aculeatus</i>	MAMMAL		Animalia
2172575	<i>Tadarida australis</i>	MAMMAL		Animalia
1172255	<i>Tarsipes rostratus</i>	MAMMAL		Animalia
1214888	<i>Trichosurus vulpecula</i>	MAMMAL		Animalia

2016418	<i>Trichosurus vulpecula subsp. vulpecula</i>	MAMMAL		Animalia
2151914	<i>Tursiops truncatus</i>	MAMMAL		Animalia
2147629	<i>Vespadelus regulus</i>	MAMMAL		Animalia
1299300	<i>Vulpes vulpes</i>	MAMMAL		Animalia
1144153	<i>Acritoscincus trilineatum</i>	REPTILE		Animalia
2171535	<i>Acritoscincus trilineatus</i>	REPTILE		Animalia
1205179	<i>Aprasia repens</i>	REPTILE		Animalia
2182391	<i>Brachyurophis fasciolatus subsp. fasciolatus</i>	REPTILE		Animalia
2143569	<i>Brachyurophis semifasciatus</i>	REPTILE		Animalia
1790720	<i>Caretta caretta</i>	REPTILE	EN	Animalia
1155393	<i>Carlia munda</i>	REPTILE		Animalia
1272091	<i>Chelodina colliei</i>	REPTILE		Animalia
1131604	<i>Chelodina collieri</i>	REPTILE		Animalia
1077190	<i>Chelodina oblonga</i>	REPTILE		Animalia
1846024	<i>Chelonia mydas</i>	REPTILE	VU	Animalia
1132438	<i>Christinus marmoratus</i>	REPTILE		Animalia
1238370	<i>Cryptoblepharus buehneri</i>	REPTILE		Animalia
1216381	<i>Cryptoblepharus plagiocephalus</i>	REPTILE		Animalia
2172452	<i>Ctenophorus adelaidensis</i>	REPTILE		Animalia
5553929	<i>Ctenophorus caudicinctus</i>	REPTILE		Animalia
1078526	<i>Ctenotus australis</i>	REPTILE		Animalia
1078524	<i>Ctenotus fallens</i>	REPTILE		Animalia
5540842	<i>Ctenotus saxatilis</i>	REPTILE		Animalia
1207658	<i>Cyclodomorphus celatus</i>	REPTILE		Animalia
2228760	<i>Delma concinna subsp. concinna</i>	REPTILE		Animalia
2260384	<i>Delma fraseri</i>	REPTILE		Animalia
2193513	<i>Delma grayii</i>	REPTILE		Animalia
1266150	<i>Delma pax</i>	REPTILE		Animalia
1369439	<i>Demansia psammophis subsp. cupreiceps</i>	REPTILE		Animalia
2209502	<i>Demansia psammophis subsp. reticulata</i>	REPTILE		Animalia
2204525	<i>Dermochelys coriacea</i>	REPTILE	VU	Animalia
1266890	<i>Diplodactylus polyophthalmus</i>	REPTILE		Animalia
1350486	<i>Diplodactylus savagei</i>	REPTILE		Animalia
1086951	<i>Diporiphora valens</i>	REPTILE		Animalia
1208100	<i>Echiopsis curta</i>	REPTILE		Animalia
1149146	<i>Egernia kingii</i>	REPTILE		Animalia
2170311	<i>Egernia napoleonis</i>	REPTILE		Animalia
2556255	<i>Elapognathus coronatus</i>	REPTILE		Animalia
1043995	<i>Gehyra variegata</i>	REPTILE		Animalia
1197159	<i>Hemiergis peronii</i>	REPTILE		Animalia
1154709	<i>Hemiergis quadrilineata</i>	REPTILE		Animalia
1121711	<i>Heteronotia binoei</i>	REPTILE		Animalia
2305949	<i>Hydrophis elegans</i>	REPTILE	EN	Animalia
2172735	<i>Hydrophis platurus</i>	REPTILE		Animalia
2293014	<i>Lerista distinguenda</i>	REPTILE		Animalia
1131076	<i>Lerista elegans</i>	REPTILE		Animalia
2273607	<i>Lerista gerrardii</i>	REPTILE		Animalia

1234301	<i>Lerista jacksoni</i>	REPTILE		Animalia
1131081	<i>Lerista lineopunctulata</i>	REPTILE		Animalia
1132439	<i>Lerista praepedita</i>	REPTILE		Animalia
1143315	<i>Lialis burtonis</i>	REPTILE		Animalia
2169695	<i>Lissolepis luctuosa</i>	REPTILE		Animalia
1052264	<i>Lucasium stenodactylum</i>	REPTILE		Animalia
1465790	<i>Lucasium wombeyi</i>	REPTILE		Animalia
1078523	<i>Menetia greyii</i>	REPTILE		Animalia
2246922	<i>Morelia spilota subsp. imbricata</i>	REPTILE		Animalia
1326661	<i>Morethia lineoocellata</i>	REPTILE		Animalia
1078525	<i>Morethia obscura</i>	REPTILE		Animalia
1282507	<i>Morethia ruficauda</i>	REPTILE		Animalia
2148107	<i>Neelaps bimaculatus</i>	REPTILE		Animalia
1801696	<i>Neelaps calonotos</i>	REPTILE	P3	Animalia
1475060	<i>Notechis scutatus</i>	REPTILE		Animalia
1155846	<i>Notoscincus ornatus</i>	REPTILE		Animalia
1133803	<i>Oedura obscura</i>	REPTILE		Animalia
2183403	<i>Parasuta gouldii</i>	REPTILE		Animalia
2282644	<i>Parasuta nigriceps</i>	REPTILE		Animalia
2188080	<i>Pletholax gracilis subsp. gracilis</i>	REPTILE		Animalia
1143320	<i>Pogona minor</i>	REPTILE		Animalia
1230101	<i>Pogona minor subsp. minima</i>	REPTILE	VU	Animalia
1276920	<i>Pogona minor subsp. minor</i>	REPTILE		Animalia
2133982	<i>Pseudechis australis</i>	REPTILE		Animalia
1375321	<i>Pseudonaja affinis</i>	REPTILE		Animalia
1534883	<i>Pseudonaja affinis subsp. affinis</i>	REPTILE		Animalia
5542283	<i>Pseudonaja affinis subsp. exilis</i>	REPTILE	P4	Animalia
2239701	<i>Pseudonaja modesta</i>	REPTILE		Animalia
1188726	<i>Ramphotyphlops australis</i>	REPTILE		Animalia
1155847	<i>Ramphotyphlops hamatus</i>	REPTILE		Animalia
1216382	<i>Rankinia adelaidensis</i>	REPTILE		Animalia
5540873	<i>Rhynchoedura ornata</i>	REPTILE		Animalia
1136286	<i>Simoselaps bertholdi</i>	REPTILE		Animalia
2273688	<i>Strophurus michaelsoni</i>	REPTILE		Animalia
1055952	<i>Strophurus spinigerus</i>	REPTILE		Animalia
1495684	<i>Strophurus spinigerus subsp. inornatus</i>	REPTILE		Animalia
1074643	<i>Strophurus spinigerus subsp. spinigerus</i>	REPTILE		Animalia
1251731	<i>Tiliqua occipitalis</i>	REPTILE		Animalia
1048247	<i>Tiliqua rugosa</i>	REPTILE		Animalia
2541260	<i>Tiliqua rugosa rugosa</i>	REPTILE		Animalia
1051777	<i>Tiliqua rugosa subsp. aspera</i>	REPTILE		Animalia
1131939	<i>Tiliqua rugosa subsp. rugosa</i>	REPTILE		Animalia
1328448	<i>Underwoodisaurus milii</i>	REPTILE		Animalia
2146915	<i>Varanus gouldii</i>	REPTILE		Animalia
2266350	<i>Varanus rosenbergi</i>	REPTILE		Animalia
2262334	<i>Varanus tristis</i>	REPTILE		Animalia

APPENDIX C

DBCA Threatened Species Database

DBCA Threatened Species Database					
Taxon	CommonName	Class	WAStatus	EPBCstatus	
<i>Acanthophis antarcticus</i>	southern death adder	REPTILE	P3		
<i>Actitis hypoleucos</i>	common sandpiper	BIRD	MI		MI
<i>Australotomurus morbidus</i>	cemetery springtail, Guildford springtail	INVERTEBRATE	P3		
<i>Bettongia penicillata ogilbyi</i>	woylie, brush-tailed bettong	MAMMAL	CR		EN
<i>Calyptorhynchus banksii naso</i>	forest red-tailed black cockatoo	BIRD	VU		VU
<i>Calyptorhynchus baudinii</i>	Baudin's cockatoo	BIRD	EN		EN
<i>Calyptorhynchus latirostris</i>	Carnaby's cockatoo	BIRD	EN		EN
<i>Dasyurus geoffroii</i>	chuditch, western quoll	MAMMAL	VU		VU
<i>Falco peregrinus</i>	peregrine falcon	BIRD	OS		
<i>Glossurocolletes bilobatus</i>	a short-tongued bee (southwest)	INVERTEBRATE	P2		
<i>Hydromys chrysogaster</i>	water-rat, rakali	MAMMAL	P4		
<i>Idiosoma sigillatum</i>	Swan Coastal Plain shield-backed trapdoor spider	INVERTEBRATE	P3		
<i>Isoodon fusciventer</i>	quenda, southwestern brown bandicoot	MAMMAL	P4		
<i>Kawaniphila pachomai</i>	grey vernal katydid (southwest)	INVERTEBRATE	P1		
<i>Leioproctus douglasiellus</i>	a short-tongued bee	INVERTEBRATE	EN		CR
<i>Lerista lineata</i>	Perth slider, lined skink	REPTILE	P3		
<i>Myrmecobius fasciatus</i>	numbat, walpurti	MAMMAL	EN		EN
<i>Neelaps calonotos</i>	black-striped snake, black-striped burrowing snake	REPTILE	P3		
<i>Neopasiphae simplicior</i>	a short-tongued bee	INVERTEBRATE	EN		CR
<i>Notamacropus irma</i>	western brush wallaby	MAMMAL	P4		
<i>Oxyura australis</i>	Blue-billed duck	BIRD	P4		
<i>Pandion cristatus</i>	osprey, eastern osprey	BIRD	MI		MI
<i>Phascogale tapoatafa wambenger</i>	south-western brush-tailed phascogale, wambenger	MAMMAL	CD		
<i>Platycercus icterotis xanthogenys</i>	western rosella (inland)	BIRD	P4		
<i>Pseudemydura umbrina</i>	western swamp tortoise	REPTILE	CR		CR
<i>Setonix brachyurus</i>	quokka	MAMMAL	VU		VU
<i>Thalasseus bergii</i>	Crested tern	BIRD	MI		MI
<i>Tringa glareola</i>	wood sandpiper	BIRD	MI		MI
<i>Tringa nebularia</i>	common greenshank, greenshank	BIRD	MI		MI
<i>Tringa stagnatilis</i>	marsh sandpiper, little greenshank	BIRD	MI		MI
<i>Westralunio carteri</i>	Carter's freshwater mussel	INVERTEBRATE	VU		VU

APPENDIX D

Protected Matters Search Tool



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-May-2022

[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	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	2
Listed Threatened Species:	32
Listed Migratory Species:	13

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:	25
Commonwealth Heritage Places:	None
Listed Marine Species:	16
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:	4
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	29
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

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

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

Community Name	Threatened Category	Presence Text	Buffer Status
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area	In feature area
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community likely to occur within area	In feature 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	Buffer Status
BIRD			
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Limosa lapponica menzbieri Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit [86432]	Critically Endangered	Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat known to occur within area	In feature area
Zanda latirostris listed as Calyptorhynchus latirostris Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]	Endangered	Breeding known to occur within area	In feature area
INSECT			
Hesperocolletes douglasi Douglas' Broad-headed Bee, Rottnest Bee [66734]	Critically Endangered	Species or species habitat may occur within area	In buffer area only
MAMMAL			
Bettongia penicillata ogilbyi Woylie [66844]	Endangered	Species or species habitat known to occur within area	In feature area
Dasyurus geoffroii Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
PLANT			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat likely to occur within area	In feature area
Anigozanthos viridis subsp. terraspectans Dwarf Green Kangaroo Paw [3435]	Vulnerable	Species or species habitat may occur within area	In feature area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat may occur within area	In buffer area only
Diuris drummondii Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Diuris purdiei Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat likely to occur within area	In feature area
Drakaea elastica Glossy-leaved Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat likely to occur within area	In feature area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Eucalyptus argutifolia Yanchep Mallee, Wabling Hill Mallee [24263]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Grevillea curviloba subsp. incurva Narrow curved-leaf Grevillea [64909]	Endangered	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Macarthuria keigheryi Keighery's Macarthuria [64930]	Endangered	Species or species habitat may occur within area	In feature area
Synaphea sp. Fairbridge Farm (D. Papenfus 696) Selena's Synaphea [82881]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Thelymitra dedmaniarum Cinnamon Sun Orchid [65105]	Endangered	Species or species habitat may occur within area	In buffer area only
Thelymitra stellata Star Sun-orchid [7060]	Endangered	Species or species habitat may occur within area	In buffer area only

SHARK			
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area	In feature area

Listed Migratory Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area

Migratory Marine Species			
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area	In feature area

Migratory Terrestrial Species			
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area	In feature area

Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Commonwealth Lands

[Resource Information]

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

Commonwealth Land Name	State	Buffer Status
Unknown		
Commonwealth Land - [50719]	WA	In buffer area only
Commonwealth Land - [50717]	WA	In buffer area only
Commonwealth Land - [50739]	WA	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - [50716]	WA	In buffer area only
Commonwealth Land - [50714]	WA	In buffer area only
Commonwealth Land - [50715]	WA	In buffer area only
Commonwealth Land - [51154]	WA	In buffer area only
Commonwealth Land - [50748]	WA	In buffer area only
Commonwealth Land - [51129]	WA	In buffer area only
Commonwealth Land - [50713]	WA	In buffer area only
Commonwealth Land - [50747]	WA	In buffer area only
Commonwealth Land - [50720]	WA	In buffer area only
Commonwealth Land - [50705]	WA	In buffer area only
Commonwealth Land - [50706]	WA	In buffer area only
Commonwealth Land - [50704]	WA	In buffer area only
Commonwealth Land - [50805]	WA	In buffer area only
Commonwealth Land - [50773]	WA	In buffer area only
Commonwealth Land - [51132]	WA	In buffer area only
Commonwealth Land - [50312]	WA	In buffer area only
Commonwealth Land - [50801]	WA	In buffer area only
Commonwealth Land - [51134]	WA	In buffer area only
Commonwealth Land - [50700]	WA	In buffer area only
Commonwealth Land - [50701]	WA	In buffer area only
Commonwealth Land - [50702]	WA	In buffer area only
Commonwealth Land - [50703]	WA	In buffer area only

Listed Marine Species			[Resource Information]
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos			
Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In buffer area only
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Errina Road	Nature Reserve	WA	In buffer area only
Unnamed WA46756	Conservation Park	WA	In buffer area only
Unnamed WA46926	5(1)(h) Reserve	WA	In buffer area only
Unnamed WA50514	5(1)(h) Reserve	WA	In buffer area only

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
Controlled action					
East Landsdale Residential Development	2008/4676	Controlled Action	Post-Approval	In buffer area only	
East Wanneroo Cell 9 residential subdivision - Lots 50,51,52,154 & 404	2010/5772	Controlled Action	Completed	In buffer area only	
Erindale Road Development, Hamersley, WA	2018/8324	Controlled Action	Further Information	In buffer area only	

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
			Request	
Nava-1 Cable System	2001/510	Controlled Action	Completed	In buffer area only
Residential Subdivision development	2011/6040	Controlled Action	Post-Approval	In buffer area only
Shenton Park Subdivision	2004/1479	Controlled Action	Completed	In buffer area only
Not controlled action				
Development Application 20 Kenhelm St Balcatta WA	2021/9037	Not Controlled Action	Completed	In buffer area only
Development of 39 (Lot 3000) Hardcastle Avenue, Landsdale, WA	2017/8100	Not Controlled Action	Completed	In buffer area only
Eradication of the European House Borer, Perth metropolitan area, WA	2009/5027	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
Landsdale Primary School Development, WA	2015/7597	Not Controlled Action	Completed	In buffer area only
Landsdale Residential Subdivision Development	2011/6027	Not Controlled Action	Completed	In buffer area only
Lot 158 Landsdale Rd, Landsdale, WA	2012/6403	Not Controlled Action	Completed	In buffer area only
Lots 71 & 72 Queensway Rd, East Landsdale	2012/6541	Not Controlled Action	Completed	In buffer area only
Reid Highway/Malaga Drive interchange upgrade, City of Swan, WA	2013/6892	Not Controlled Action	Completed	In buffer area only
Reid Highway duplication project(Erindale Rd - Duffy Rd)WA	2013/7073	Not Controlled Action	Completed	In buffer area only
Residential and commercial development, Lot 1981 Alexander Drive & Lot 152 Gnangara Road, Landsdale, WA	2013/6982	Not Controlled Action	Completed	In buffer area only
Residential Development, 50 Lot 2 Driver Road, Darch, Western Australia	2020/8677	Not Controlled Action	Completed	In buffer area only
Residential development, Landsdale, WA	2013/6964	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Residential development, Lot 14143 (16) Harford Way, Girrawheen, WA	2016/7819	Not Controlled Action	Completed	In buffer area only
Residential development, Lot 55 Alexander Drive, Landsdale, WA	2013/6971	Not Controlled Action	Completed	In buffer area only
Residential Subdivision	2012/6410	Not Controlled Action	Completed	In buffer area only
Residential subdivision - lot 169 Kingsway Road, Landsdale WA	2012/6412	Not Controlled Action	Completed	In buffer area only
Residential subdivision - Lots 156 and 157 Landsdale Road Landsdale WA	2012/6407	Not Controlled Action	Completed	In buffer area only
Telstra PITC O3B Clearing Application	2011/6147	Not Controlled Action	Completed	In buffer area only
Urban Development Project, Lot 55 and 56 Cottonwood Crescent, Dianella, WA	2017/8031	Not Controlled Action	Completed	In buffer area only
Wangara Industrial Extension Area, WA	2012/6501	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Ocean Reef Road Extension Works in Wangara	2010/5388	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
South West Metropolitan Railway Project	2003/1175	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only

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.

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APPENDIX E

Likelihood of Conservation Fauna

SPECIES	STATUS: WA	STATUS: EPBC ACT	HABITAT	LIKELIHOOD TO OCCUR
<i>Acanthophis antarcticus</i> (southern death adder)	Priority 3	Not listed	The Southern Death Adder lives in forests and woodlands, grasslands and heath.	Unlikely - While the area contains potentially suitable habitat, the small remnant has been isolated for decades and is unlikely to support this species.
<i>Australotomurus morbidus</i> (Cemetery springtail, Guildford springtail)	Priority 3	Not listed	This insect occurs in coastal heath remnants on the Swan Coastal Plain characterised by light grey sand, leaf litter discontinuous (50%), <i>E. marginata</i> , <i>B. menziesii</i> , <i>Banksia sessilis</i> , <i>Adenanthos cygnorum</i> , <i>X. preissii</i> , <i>M. riedlei</i> , <i>Hakea</i> sp. It has only been identified in a small area, including the Guildford Cemetery (Greenslade and Jordana, 2014)	Unlikely – Due to the limited distribution of this species it is unlikely to occur on the subject land.
<i>Bettongia penicillata</i> subsp. <i>ogilbyi</i> (Woylie)	Critically Endangered	Critically Endangered	The woylie is endemic to the south-west of WA but they are now only known from two areas: Upper Warren and Dryandra Woodlands. There are also translocated populations at Batalling, and inside fenced areas in Mt Gibson, Karakamia and Whiteman Park and also in New South Wales and South Australia, and on islands in SA (https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/animal_profiles/woylie_fauna_profile.pdf)	Unlikely. This species is only known from Upper Warren and Dryandra woodlands.
<i>Botaurus poiciloptilus</i> (Australasian Bittern)	Endangered	Endangered	The Australasian Bittern's preferred habitat comprises wetlands with tall dense vegetation, where it forages in still, shallow water up to 0.3 m deep, often at the edges of pools or waterways, or from platforms or mats of vegetation over deep water. It favours permanent and seasonal freshwater habitats, particularly those dominated by sedges, rushes and reeds (e.g. <i>Phragmites</i> , <i>Cyperus</i> , <i>Eleocharis</i> , <i>Juncus</i> , <i>Typha</i> , <i>Baumea</i> , <i>Bolboschoenus</i>) or cutting grass (<i>Gahnia</i>) growing over a muddy or peaty substrate	Highly unlikely - The survey area does not have suitable habitat.
<i>Calidris canutus</i>	Red Knot	Endangered	In Australasia the Red Knot mainly inhabit intertidal mudflats, sandflats and sandy beaches of sheltered coasts, in estuaries, bays, inlets, lagoons and harbours; sometimes on sandy ocean beaches or shallow pools on exposed wave-cut rock platforms or coral reefs. They are occasionally seen on terrestrial saline wetlands near the coast, such as lakes, lagoons, pools and pans, and recorded on sewage ponds and saltworks, but rarely use freshwater swamps. They rarely use inland lakes or swamps (https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=855)	Highly unlikely - The survey area does not have suitable habitat.
<i>Calidris ferruginea</i> (Curlew Sandpiper)		Critically Endangered	In Australia, Curlew Sandpipers occur around the coasts and are also quite widespread inland, though in smaller numbers. Records occur in all states during the non-breeding period, and also during the breeding season when many non-breeding one year old birds remain in Australia rather than migrating north. In Western Australia, they are	Possible - but unlikely to rely on the survey area.

			<p>widespread around coastal and subcoastal plains from Cape Arid to south-west Kimberley Division, but are more sparsely distributed between Carnarvon and Dampier Archipelago. They occur in large numbers, in thousands to tens of thousands, at Port Hedland Saltworks, 80 Mile Beach, Roebuck Bay and Lake Macleod. They are rarely recorded in the north-west Kimberley, around Wyndham and Lake Argyle, and occasionally they occur inland, in areas south of 26° S. Curlew Sandpipers mainly occur on intertidal mudflats in sheltered coastal areas, such as estuaries, bays, inlets and lagoons, and also around non-tidal swamps, lakes and lagoons near the coast, and ponds in saltworks and sewage farms. They are also recorded inland, though less often, including around ephemeral and permanent lakes, dams, waterholes and bore drains, usually with bare edges of mud or sand. They occur in both fresh and brackish waters. Occasionally they are recorded around floodwaters (http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=856)</p>	
<i>Calyptorhynchus banksii naso</i> (Forest Red-tailed Black-Cockatoo, Karrak)	Vulnerable	Vulnerable	<p>Forest Red-tailed Black Cockatoos frequent the humid to sub-humid south-west of Western Australia from Gingin in the north, to Albany in the south and west to Cape Leeuwin and Bunbury (DSEWPaC, 2012). It nests in tree hollows with a depth of 1-5m, that are predominately Marri (<i>Corymbia calophylla</i>), Jarrah (<i>Eucalyptus marginata</i>) and Karri (<i>E. diversicolor</i>) and it feeds primarily on the seeds of Marri.</p>	Possible – feeding habitat present in the survey area.
<i>Calyptorhynchus baudinii</i> (Baudin's Cockatoo)	Endangered	Endangered	<p>This Cockatoo is found only in the south-west of Western Australia and generally bounded by the 750mm rainfall isohyet (Albany, Gidgegannup and up to Mundaring and inland to the Stirling Ranges and Boyup Brook). Breeding has been recorded between Nornalup, northward to near Bridgetown, Lowden and Harvey (Department of the Environment, 2021a). Habitat comprises heavily forested areas dominated by Marri and other Eucalyptus species (particularly Karri and Jarrah). The distribution of the species comprises 40,000km² (http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=769).</p>	Possible – foraging habitat present in the survey area.
<i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo)	Endangered	Endangered	<p>Carnaby's Cockatoo is found in the south-west of Australia from Kalbarri through to Ravensthorpe. It prefers feeding on the seeds of <i>Banksia</i>, <i>Dryandra</i>, <i>Hakea</i>, <i>Eucalyptus</i>, <i>Grevillea</i>, <i>Pinus</i> and <i>Allocasuarina</i> spp. It is nomadic often moving toward the coast after breeding. The birds breed in tree hollows that are 2.5 – 12m above the ground and have an entrance 23-30cm with a depth of 1-2.5m. Nesting mostly occurs in smooth-barked trees (e.g. Salmon Gum, Wandoo, Red Morrell) (DSEWPaC, 2012).</p>	Possible – foraging habitat present on the subject land.
<i>Charadrius leschenaultii</i> (Greater Sand Plover)	Vulnerable	Vulnerable	<p>In Australia, the Greater Sand Plover occurs in coastal areas in all states, though the greatest numbers occur in northern Australia, especially the north-west. It also occasionally occurs along the coast of southern Western Australia. In the non-breeding grounds in Australasia, the species is almost entirely coastal, inhabiting littoral and</p>	Highly unlikely - Habitat in the survey area is not suitable.

<i>Plover, Large Sand Plover)</i>			estuarine habitats. They mainly occur on sheltered sandy, shelly or muddy beaches with large intertidal mudflats or sandbanks, as well as sandy estuarine lagoons, and inshore reefs, rock platforms, small rocky islands or sand cays on coral reefs. They are occasionally recorded on near-coastal saltworks and saltlakes, including marginal saltmarsh, and on brackish swamps. They seldom occur at shallow freshwater wetlands. https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=877	
<i>Dasyurus geoffroii</i> (Chuditch, Western Quoll)	Endangered	Vulnerable	It is now largely restricted to the south-west of Western Australia, with small numbers in the Midwest, Wheatbelt and South Coast Regions. Historically, chuditch inhabited a wide range of habitats, but today it survives mostly in Jarrah Eucalyptus marginata forests and woodlands, mallee shrublands and heathlands (https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/animal_profiles/chuditch_fauna_profile.pdf).	Unlikely - There have not been any recent records of Chuditch in the Girrawheen area. The species is unlikely to be found on the subject land due to the fragmented nature of the bushland and lack of linkage to other bushland areas.
<i>Falco peregrinus</i> (Peregrine Falcon)	Other specially protected fauna		The Peregrine Falcon is found in a variety of habitats but nests on high cliff ledges or artificial structures. It feeds primarily on small-medium sized birds, but occasionally taking insects, such as moths, cicadas and locusts (https://www.birdlife.org.au/bird-profile/peregrine-falcon).	Unlikely – may fly over but unlikely rely on the survey area.
<i>Glossurocolletes bilobatus</i> , (Short-tongued Bee)	Endangered	Not listed	The bee <i>Leioproctus</i> (<i>Glossurocolletes</i>) <i>bilobatus</i> , is associated with Jarrah/Wandoo Forest nominally to the east of the Swan Coastal Plain (Houston 2018), and the species has a distribution from as far east as Christmas Tree Well off Brookton Highway and on the South Coast within the Stirling Ranges (Invertebrate Solutions, 2019). <i>Leioproctus</i> (<i>Glossurocolletes</i>) <i>bilobatus</i> has so far been collected solely from the yellow flowering pea, <i>Gompholobium aristatum</i> . https://books.google.com.au/books?id=tE1mDwAAQBAJ&pg=PT139&lpg=PT139&dq=Glossurocolletes+bilobatus,+Short-tongued+Bee&source=bl&ots=6jYJSHYHl4&sig=ACfU3U0M_nNP6z3f32nHb1423T2RHIEK-w&hl=en&sa=X&ved=2ahUKEwiWzNihuZr4AhWkwzgGHUpKBngQ6AF6BAgCEAM#v=onepage&q=Glossurocolletes%20bilobatus%2C%20(Short-tongued%20Bee)&f=false	The plant species associated with this bee was not found on the subject land.
<i>Hesperocolletes douglasi</i> (Douglas' Broad-headed Bee, Rottnest In buffer area only Bee)	Critically Endangered	Critically Endangered	It is unknown if the species occurs in a variety of habitats or if there is a preferred habitat. The two specimens have been collected in different habitats (Rottnest and Pinjar). Banksia woodland is not present on Rottnest Island but there is no information on the collection site or habitat where the type specimen bee was collected on the island. https://www.environment.gov.au/biodiversity/threatened/species/pubs/66734-conservation-advice-04072019.pdf	Highly unlikely - Due to the isolated nature of the vegetation at the subject land, it is unlikely that this species is present.

<i>Hydromys chrysogaster</i> (Water-rat, Rakali)	Priority 4	Not listed	The species prefers burrows on low banks of rivers, lakes, wetlands, estuaries (Atlas of Living Australia, 2020).	Highly Unlikely – No suitable habitat on subject land.
<i>Idiosoma sigillatum</i> (Swan Coastal Plain Shield-backed Trapdoor Spider)	Priority 3	Not listed	<i>Idiosoma sigillatum</i> is the dominant idiopid trapdoor spider on the Swan Coastal Plain, where it occurs from Dalyellup north to at least Ledge Point (including Rottnest Island and Garden Island) with the eastern limit of its range along the sandy foothills of the Darling Escarpment, from Boyanup north to at least Gingin. Many of these records are historical in nature and occur within the Perth metropolitan area. It is highly likely that much of the habitat for this species within the Perth metropolitan area has been cleared for urban development and the species is unlikely to occur through much of its historical distribution in urban areas except in remnant habitats (e.g. Kings Park, Bold Park, and Shenton Park bushland) (Rix et al 2018).	Unlikely - Due to the isolated nature of the vegetation at the subject land, it is unlikely that this species is present.
<i>Isoodon fusciventer</i> (Kwernt, Quenda, Southwestern Brown Bandicoot)	Priority 4	Not listed	Southern Brown Bandicoots are small grey marsupials that prefer dense scrub (up to one metre high), often in or near swampy vegetation. Their diet includes invertebrates (including earthworms, adult beetles and their larvae), underground fungi, subterranean plant material, and very occasionally, small vertebrates (Department of Environment and Conservation, 2012). The preferred habitat for this species is scrubby, often swampy, vegetation with dense cover up to 1 m high.	Unlikely - as the subject land is remote from other areas of native vegetation and lacks dense shrubby cover, so the Quenda is unlikely to have persisted on subject land. No conical diggings typical to this species were present on the subject land.
<i>Kawaniphila pachomai</i> (grey vernal katydid (southwest))	Priority 1	Not listed	Katydid inhabits tree and shrubs and can be found mostly in the southern half of Australia in heath or mixed woodland and often host plant species or genus specific (Rentz 1993). The orthopteran <i>Kawaniphila pachomai</i> occurs in coastal SW Western Australia with records near Vasse and within the southern Perth metropolitan region. Tettigoniidae of Australia 2. The Austrosaginae, Zaprochilinae and Phasmodinae. Australia : CSIRO Vol. 2 386 pp. [327].)	Unlikely - As the vegetation patch is relatively small, remote from other areas of native vegetation and lacks dense vegetation cover.
<i>Leioproctus douglasiellus</i>	Endangered	Critically Endangered	The native bee species is known from the Swan Coastal Plain where it has been recorded from Kenwick wetlands, Cannington and Forrestdale Lake and near Lithgow in the Blue Mountains of NSW. The bee is associated with <i>Goodenia filiformis</i> and <i>Anthotium junctiforme</i> . https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=66756	Unlikely - The plant species associated with this bee was not found on the subject land.
<i>Leipoa ocellata</i> (Malleefowl)	Vulnerable	Vulnerable	The Malleefowl occurs in scrubland and woodland dominated by mallee and wattle species (Department of the Environment, http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=934).	Highly unlikely – No suitable habitat on subject land and the small, isolated area of vegetation would not support the species.

<i>Limosa lapponica menzbieri</i> (Northern Siberian Bar-tailed Godwit, In buffer area only Russkoye Bar-tailed Godwit)	Critically Endangered	Critically Endangered	The bar-tailed godwit (both subspecies combined) has been recorded in the coastal areas of all Australian states. In Western Australia it is widespread around the coast, from Eyre to Derby. occurs mainly in coastal habitats such as large intertidal sandflats, banks, mudflats, estuaries, inlets, harbours, coastal lagoons and bays. It has also been recorded in coastal sewage farms and saltworks, saltlakes and brackish wetlands near coasts, sandy ocean beaches, rock platforms, and coral reef-flats. http://www.environment.gov.au/biodiversity/threatened/species/pubs/86432-conservation-advice-05052016.pdf	Highly unlikely - not suitable habitat.
<i>Lerista lineata</i> (Perth slider, lined skink)	Priority 3	Not listed	This small lizard is restricted to the Swan Coastal Plain, south of the Swan River (plus Garden and Rottnest Islands). Queens Park reflects the eastern most extent of this species.	Unlikely as the vegetation patch is relatively small, remote from other areas of native vegetation and is not associated with the current known range of the species.
<i>Macroderma gigas</i> (Ghost Bat)	Vulnerable	Vulnerable	Ghost bats roost in caves or rock crevices. Foraging by the bats is above cleared agricultural land and along the edges of woodlands on alluvial plains, often away from their cave roosts. Sites along an ephemeral watercourse are often used. https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=174 https://www.awe.gov.au/environment/epbc/publications/review-ghost-bat	Unlikely as the is not suitable roosting habitat in the vicinity of the survey area.
<i>Myrmecobius fasciatus</i> (Numbat)	Endangered	Endangered	The species was previously found to inhabit a wide range of habitats, including Mulga woodland, spinifex sandplains and Eucalypt forests and woodlands. In WA, their habitat is generally woodland dominated by Eucalyptus species, with abundant hollow logs and branches for shelter and termites for food . Currently, numbats are only known to be surviving in a small area of WA's Jarrah forest and Wheatbelt, notably at Dryandra Woodland and the UpperWarren area. They have been successfully reintroduced to other locations within the Jarrah forest and Wheatbelt, and to sites in South Australia and New South Wales (https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/animal_profiles/numbat_fauna_profile.pdf).	Highly unlikely - The species is not known from this area and the vegetation is a fragment of bush in a highly cleared area.
<i>Neelaps calonotos</i> (black-striped snake, black-striped burrowing snake)	Priority 3	Not listed	The species is only known from Banksia woodlands atop soft calcareous sand and, to a lesser extent, coastal heathlands and shrublands. Its range is only known in coastal habitats of the Swan Coastal Plain between Dawesville and Port Denison in southwestern Australia (Forrest, 2021; https://www.rswa.org.au/publications/journal/104/RSWA%20104%20p85-90%20He.pdf)	Unlikely - The survey area does not contain suitable habitat for this species and is outside of the range where it has been recorded.
<i>Neopasiphae simplicior</i>	Endangered	Critically Endangered	This native bee has distribution in Western Australia from north of Geraldton, through the coastal fringe and along the southern coast to Cape Arid National Park (ALA, 2021). The Swan Coastal Plain has undergone agricultural and suburban development which has reduced the range and threatens the species with extinction. It has been collected	Unlikely - The plant species associated with this native bee were not identified in the flora survey.

			at Cannington and the Forrestdale golf course. The species has been found on <i>Lobelia tenuior</i> , <i>Goodenia filiformis</i> and <i>Angianthus preissianus</i> .	
<i>Notamacropus irma</i> (Western Brush Wallaby)	Priority 4	Not listed	Preferred habitat is open forest or woodlands with seasonally wet sites and low vegetation. This species is often found in dry sclerophyll forests, such as jarrah, and areas of mallee and heathland scrub. It is rarely found in wet sclerophyll forests and is not found in ecosystems characterized by a thick understory, such as karri forests. https://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd.taxon:d968d4e0-11a2-4f15-a6bc-3756e6418e6f	Not present - The vegetation patch is very small and does not support this species.
<i>Numenius madagascariensis</i> (Eastern Curlew)		Critically Endangered	The preferred habitat for this species is intertidal mudflats and sandflats, often with beds of seagrass, on sheltered coasts, especially estuaries, mangrove swamps, bays, harbours and lagoons (Atlas of Living Australia, https://birdlife.org.au/bird-profile/eastern-curlew).	Highly Unlikely – No suitable habitat in survey area.
<i>Oxyura australis</i> (Blue-billed Duck)	Priority 4	Not listed	The Blue-billed Duck is almost wholly aquatic and is seldom seen on land.	Highly unlikely – No suitable habitat on subject land.
<i>Phascogale tapoatafa</i> subsp. <i>Wambenger</i> (South-western brush-tailed <i>Phascogale</i> , <i>Wambenger</i>)	Species of special conservation interest (conservation dependent)	Critically Endangered	This subspecies has been observed in dry sclerophyll forests and open woodlands that contain hollow-bearing trees but a sparse ground cover. It has a highly fragmented distribution across the south west of WA (https://en.wikipedia.org/wiki/Brush-tailed_phascogale).	Unlikely - The species is likely to have historically occurred in the area, but due to the isolation of the vegetation fragment, is unlikely to persist there.
<i>Platycercus icterotis xanthogenys</i> (western rosella (inland))	Priority 4	Not listed	The inland subspecies is generally found in drier areas east of a line between Albany and Geraldton, generally in	
<i>Pseudemydura umbrina</i> (western swamp tortoise)	Critically Endangered	Critically Endangered	The species inhabits shallow, winter-wet swamps on clay or sand over clay soils with nearby refuges for aestivation (summer dormancy). In most swamps <i>Melaleuca lateritia</i> shrubs form a canopy 1-2 metres above the water over open tall sedges (<i>Leptocarpus canus</i>). Refuges include leaf litter and fallen branches, naturally occurring holes in the clay and at tree bases, or holes left by other animals. https://www.awe.gov.au/environment/biodiversity/threatened/publications/western-swamp-tortoise-pseudemydura-umbrina	Highly unlikely - There is no suitable habitat for this species, which also has a very restricted range.
<i>Pseudocheirus occidentalis</i>	Critically Endangered	Critically Endangered	Western ringtail possums were historically widely distributed throughout the southwestern forests of WA, extending to southeast of Geraldton and to the southern edge of the Nullarbor Plain. Their current distribution is patchy and largely restricted to	Highly unlikely - The species is likely to have historically occurred in the area, but due to the isolation

<i>(Western Ringtail Possum)</i>			near coastal areas of Peppermint woodland and Peppermint/Tuart associations from the Australind/Eaton area to east of Albany at Waychinicup National Park, and in the southern forest near Manjimup. https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/animal_profiles/western_ringtail_possum_profile.pdf	of the vegetation fragment, is unlikely to persist there.
<i>Rostratula australis (Australian Painted Snipe)</i>	Endangered	Endangered	The preferred habitat for this species is shallow, brackish or freshwater terrestrial wetlands (http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=77037).	Unlikely - The survey area does not contain habitat suitable for this species.
<i>Setonix brachyurus (quokka)</i>	Vulnerable	Vulnerable	The species is best known from Rottnest Island, where it is still abundant, but it also continues to exist on Bald Island and in parts of its former range on the mainland, where it is found in isolated patches of the northern Jarrah forest, on the Swan Coastal Plain, the southern Jarrah, Marri and Karri forests and on reserves on the south coast. Their current distribution on the mainland is within high rainfall areas. In the Jarrah, Marri and Karri forests, they occupy a range of forest, woodland and wetland habitats that generally have thick understorey, are nearby swamps and are close to more open, recently burnt vegetation. On the south coast, they occupy a wide range of vegetation types including swamps, riparian areas, gullies and dense coastal heath. https://www.dpaw.wa.gov.au/images/documents/plants-animals/animals/animal_profiles/quokka_fauna_profile.pdf	Highly unlikely – Not suitable habitat on subject land (no dense understorey) and the small, isolated area of vegetation would not support the species.
<i>Sternula nereis nereis (Australian Fairy Tern)</i>	Vulnerable	Vulnerable	The Fairy Tern (Australian) nests on sheltered sandy beaches, spits and banks above the high tide line and below vegetation. The subspecies has been found in embayments of a variety of habitats including offshore, estuarine or lacustrine (lake) islands, wetlands and mainland coastline. The bird roosts on beaches at night. https://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=82950	Unlikely - There is not suitable habitat for this species.
<i>Westralunio carteri (Carter's freshwater mussel)</i>	Vulnerable	Vulnerable	The mussel requires relatively fresh water in creeks and favours a sheltered/ shaded areas which provide a more stable environment. https://researchrepository.murdoch.edu.au/id/eprint/41233/1/Baseline%20assessment%20of%20Carter%E2%80%99s%20Freshwater%20Mussel.pdf	Due to the isolated nature of the vegetation at the subject land, it is unlikely that this species is present.

APPENDIX F

Potential Habitat Trees

OBJECTID	Tree_Speci	Tree_Spe_1	Hollows	Tree_Height (m)	Signs	Roosting_T	Notes	GlobalID	MGA_E	MGA_N	Photo
165	Tuart		No	20	None	No signs	V large tree	{1066042E-99CE-432A-8E94-562569C46A26}	390565.436300000000	6477066.993900000000	Fauna_Point_165
166	Jarrah		No	7	None	No signs	Two stems	{9404E666-BF58-49FE-9E16-F6C7949662A4}	390533.674700000000	6477063.698800000000	Fauna_Point_166
168	Jarrah		Small	5	None	No signs		{A441D41E-3734-4D02-A25B-D2CEDB0F347F}	390527.642000000000	6477063.633100000000	Fauna_Point_168
169	Jarrah		No	8	None	No signs		{2BC688CC-9418-4ABE-93FA-B6213C463732}	390513.965900000000	6477071.652800000000	Fauna_Point_169
170	Tuart		No	20	None	No signs		{50D9EC26-A6B7-42AF-A596-33EF8B5004E7}	390520.771800000000	6477098.839200000000	Fauna_Point_170
171	Other		No	20	None	No signs	Sugar gums in drainage pit	{48D229F7-123C-4985-84D0-3F67DAE76ECA}	390545.945500000000	6477102.628800000000	Fauna_Point_171
172	Tuart		Greater Than 10cm	25	None	No signs	V large tree. Bees	{06D4E7C1-D0C9-43FF-A2AF-66AA84E5CF5C}	390535.911900000000	6477119.437500000000	Fauna_Point_172
173	Tuart		No	0	None	No signs		{BB70415E-011F-400A-B71F-6725393AB100}	390511.070400000000	6477188.143600000000	Fauna_Point_173
174	Tuart		No	20	None	No signs	V large tree	{5BFC57C0-1DC6-49E1-853C-C1AA65EB92DF}	390543.242900000000	6477190.398800000000	Fauna_Point_174
175	Tuart		No	15	None	No signs		{86D7A281-2334-4ABD-8AB3-F823E2230F96}	390516.894400000000	6477220.638800000000	Fauna_Point_175
176	Tuart		No	15	None	No signs		{BD7577ED-C587-48E4-9A7F-F51634E400AC}	390516.753100000000	6477214.926900000000	Fauna_Point_176
177	Jarrah		No	11	None	No signs		{B41AF355-5C3D-4EE3-8583-D1AAC6F51483}	390566.373700000000	6477202.854900000000	Fauna_Point_177
178	Tuart		No	12	None	No signs		{F920E007-4298-4A32-8279-A6622C9FB3BB}	390581.832700000000	6477196.164200000000	Fauna_Point_178
179	Tuart		No	15	None	No signs		{6A4542E3-60E9-4C3C-98C3-D83C29BEB15A}	390589.241500000000	6477194.570600000000	Fauna_Point_179
180	Jarrah		No	12	None	No signs	Two stems	{5647939D-C4A2-439D-80F7-5CA8D955E6EA}	390592.395100000000	6477189.710400000000	Fauna_Point_180
181	Tuart		No	15	None	No signs		{D54478E7-5C0E-47BA-B8AB-D5C93857BDD7}	390599.095700000000	6477192.227000000000	Fauna_Point_181
182	Dead		Small	4	None	No signs		{40EF2B71-EC92-4DA2-B33C-733117A7A6FA}	390599.283200000000	6477180.081500000000	Fauna_Point_182
183	Tuart		No	8	None	No signs		{589949AF-74F9-4038-9D34-E9C0710BE2F3}	390608.104600000000	6477186.408100000000	Fauna_Point_183
184	Tuart		No	8	None	No signs		{3C56D78E-11E0-4860-B718-235311846E21}	390610.896900000000	6477182.578000000000	Fauna_Point_184
185	Dead		Greater Than 10cm	4	None	No signs		{8EC5911A-A21D-4018-A7BC-54D9C0709D89}	390577.626000000000	6477147.462300000000	Fauna_Point_185
186	Tuart		No	7	None	No signs		{FD233A01-1B26-4D62-9613-E1233CFAAC92}	390580.751800000000	6477140.286500000000	Fauna_Point_186
187	Tuart		No	25	None	No signs	Very large tree	{C8C652C0-F8B8-4DC5-B4EC-3D7C0CD7707D}	390602.147500000000	6477143.452900000000	Fauna_Point_187
188	Tuart		No	10	None	No signs		{F7C1821C-A1CC-4528-926E-425A91E1E440}	390583.380500000000	6477121.062800000000	Fauna_Point_188
189	Jarrah		No	6	None	No signs		{381A07AA-57D9-4F5D-A71F-941B339D9891}	390580.763300000000	6477118.401600000000	Fauna_Point_189
190	Jarrah		No	10	None	No signs		{C5D91A9B-6558-4A43-8EC4-61B8D70D4BAB}	390569.051500000000	6477127.366300000000	Fauna_Point_190

APPENDIX G

Photographs of Potential Habitat Trees



Fauna_Point_164_ATT176_Photo 1



Fauna_Point_165_ATT177_Photo 1



Fauna_Point_166_ATT178_Photo 1



Fauna_Point_168_ATT180_Photo 1



Fauna_Point_169_ATT181_Photo 1



Fauna_Point_170_ATT182_Photo 1



Fauna_Point_171_ATT183_Photo 1



Fauna_Point_172_ATT184_Photo 2



Fauna_Point_172_ATT185_Photo 1



Fauna_Point_173_ATT186_Photo 1



Fauna_Point_174_ATT187_Photo 1



Fauna_Point_175_ATT189_Photo 1



Fauna_Point_176_ATT188_Photo 1



Fauna_Point_177_ATT190_Photo 1



Fauna_Point_178_ATT191_Photo 1



Fauna_Point_179_ATT192_Photo 1



Fauna_Point_180_ATT193_Photo 1



Fauna_Point_181_ATT194_Photo 1



Fauna_Point_182_ATT195_Photo 1



Fauna_Point_183_ATT196_Photo 1



Fauna_Point_184_ATT197_Photo 1



Fauna_Point_185_ATT198_Photo 1



Fauna_Point_187_ATT199_Photo 1



Fauna_Point_188_ATT200_Photo 1



Fauna_Point_189_ATT201_Photo 1



Fauna_Point_190_ATT202_Photo 1

APPENDIX H

Survey Limitations

FIELD SURVEY LIMITATIONS

Seasonal sampling has not been carried out as part of this fauna assessment. The conclusions presented are based on information from Western Australian and Commonwealth databases, field data and the environmental monitoring carried out over a limited period of time. Therefore, the data and interpreted outcomes are indicative of the environmental conditions on the site at the time of the field assessment, as interpreted by an experienced zoologist. It is recognised that site conditions may change over time.

The EPA (2020) *Technical Guidance Terrestrial vertebrate fauna surveys for environmental impact assessment* requires fauna assessment reports contain a section describing the limitations of the survey methods used. The limitations and constraints associated with this field survey are discussed in Table I. The survey effort has not been subject to any constraints which affect the thoroughness of the assessment and the conclusions which have been formed.

TABLE I: FAUNA FIELD SURVEY LIMITATIONS

ASPECT	LIMITATION	COMMENT
Sources of information and availability of contextual information.	Nil	Adequate information is available for the survey area, this includes broad scale (1:250,000) mapping digitised by Shepherd <i>et al.</i> , (2002) and other information (DBCA database, NatureMap, ALA).
Scope (what life forms were sampled etc.)	Nil	Following desktop review, reconnaissance and field surveys targeted conservation significant fauna most likely to be present in the survey area.
Proportion of fauna identified, recorded and/or collected	Minor	The fauna survey was undertaken on 29 April 2022 and comprised a reconnaissance and targeted survey. The fauna assessment sampled those species that can be easily seen, heard or have distinctive signs, such as tracks, scats, diggings, etc. Cryptic species would not have been identified during a reconnaissance survey and seasonal variation within species often requires targeted surveys at a particular time of the year. The fauna assessment was aimed at identifying habitat types and conservation significant terrestrial vertebrate fauna likely to be utilising the survey area. A targeted assessment of black cockatoo habitat was undertaken.
Completeness and further work which might be needed (e.g. was the relevant area fully surveyed)	Nil	Adequate coverage of the survey areas was undertaken.
Mapping reliability	Nil	The vegetation was mapped using high-resolution ESRI aerial imagery obtained from Landgate, topographical features, previous broad scale mapping and field data and more detailed vegetation mapping, where available. Data was recorded in the field using hand-held GPS tools. Certain atmospheric factors and other sources of error can affect the

ASPECT	LIMITATION	COMMENT
		accuracy of GPS receivers. Therefore, the data points consisting of coordinates recorded from the GPS may contain slight inaccuracies.
Timing / weather / season / cycle	Minor	The weather for the surveys was cool and fine.
Disturbances (e.g. fire, flood, accidental human intervention)	Nil	The survey areas have been historically disturbed, especially the understorey due to weed invasion and installation of fire breaks. The value of the survey area is as a stepping stone in an otherwise highly cleared landscape.
Intensity (in retrospect, was the intensity adequate)	Nil	The survey areas were sufficiently covered by the zoologist during the survey. One day was allocated to assess the habitat within the survey area.
Resources	Nil	Adequate resources were employed during the field survey.
Access restrictions	Minor	The survey areas were accessed on foot.
Experience levels	Nil	The zoologist who executed the survey is suitably qualified and experienced with a Bachelor of Science (Honours) Zoology from the University of Western Australia.

4. SPRING FLORA AND VEGETATION SURVEY

PVG Environmental on behalf of Aurora Environmental
SITE doc ref: 220216 Aurora PVG Spring Survey 10479_002_jc V1_Final

LOT 501 CURTIS WAY, GIRRAWHEEN

DETAILED FLORA AND VEGETATION SURVEY

Prepared for: Vietnamese Community in Australia, WA Chapter
Report Date: 16 February 2022
Version: 1
Report No. 2021-648



pgv ENVIRONMENTAL

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- 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 501 Curtis Way, Girrawheen is located in the City of Wanneroo approximately 12.5km north of the Perth Central Business District (Figure 1). The site is 1.3001ha in size and is bounded by Curtis Way to the east. Marangaroo Drive to the north and Girrawheen Senior High School to the west and south (Figure 2).

Native vegetation remains over about 70% of the site (approx. 0.9ha). PGV Environmental was commissioned by the Vietnamese Community in Australia, WA Chapter to undertake a flora and vegetation survey to determine if there are any conservation significant values on the site.

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:

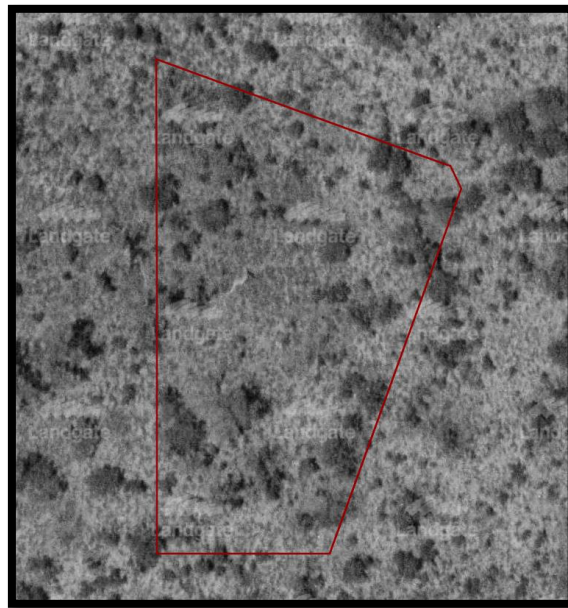
- Desktop search and review of the Department of Biodiversity, Conservation and Attractions (DBCA) Threatened and Priority flora and ecological community databases;
- A search of the Naturemap website (DBCA, 2020);
- A search of the Commonwealth Government's Protected Matters Search Tool (DAWE, 2020) 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 site was completely vegetated (Plate 1) (Landgate, 2021).

Plate 1: Aerial Photograph 1953 (Landgate, 2021)



The aerial photograph from 1974 shows the site has been extensively cleared around the perimeter (Plate 2) (Landgate, 2021).

Plate 2: Aerial Photograph 1974 (Landgate, 2021)



The aerial photograph from 1979 shows some tennis courts have been installed on the site (Plate 3).

Plate 3: Aerial Photograph 1985 (Landgate, 2021)



The aerial photograph from 1989 shows the construction of a stormwater basin south of the tennis courts (Plate 4). The condition of the site has not changed substantially since the 1989 photograph.

Plate 4: Aerial Photograph 1989 (Landgate, 2021)



2.2 Topography

The site is almost flat with a very gentle slope down from the east at 64m Australian Height Datum (AHD) to the western side at 62mAHD (Figure 2).

2.3 Geology and Soils

The site is largely mapped as part of the Spearwood System which has the highest relief of the dune systems on the Swan Coastal Plain (Bolland, 1998). The Spearwood system consists of slightly calcareous Aeolian sand remnant from leaching of the underlying Pleistocene Tamala limestone (Davidson, 1995).

The Spearwood soil unit mapped on the majority of the site is the Karrakatta Sand Yellow Phase (211Sp_Ky) which are on low hilly to gently undulating terrain and consist of yellow sand over limestone at 1-2 m with *Banksia* spp. woodland with scattered emergent *E. gomphocephala* and *E. marginata* and a dense shrub layer (DPRID, 2021).

The soil phase Spearwood S7 Phase (211Sp_S7) is mapped in a very small area on the southern boundary of the site and is described as sand with pale and olive yellow, medium to coarse-grained, sub-angular to sub-rounded quartz and trace of feldspar. The soil is moderately sorted of residual origin (DPIRD, 2021).

2.4 Hydrology

Groundwater is at approximately 29 to 30m AHD and is 32 to 33m below the surface level (DWER, 2021).

There are no wetlands or watercourses 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 Detailed flora and vegetation survey of the site was conducted by Dr Paul van der Moezel of PGV Environmental on 19 November 2021.

The site was thoroughly walked to record all species in the survey area. Information on flora composition and vegetation structure was recorded in three 10m x 10m non-permanent quadrats.

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

3.3 Survey Conditions

The conditions that the survey was undertaken in are presented in Table 1 in order to assess the adequacy of the survey. The mid-November survey period is considered a Moderate constraint to the results as it is past the peak spring survey period for surveys in Banksia/Eucalypt woodlands on the Swan Coastal Plain. Several native ephemeral species, including orchids, may have been missed due to the later survey period. One Threatened orchid species, *Caladenia huegelii*, was assessed as potentially occurring on the site due to the habitat conditions. *Caladenia huegelii* can only be identified when it is flowering from mid-September to mid-October. However, due to the small size of the site (less than 1ha of native vegetation), the potential for the species to occur on the site is very small.

Rainfall for the closest station, Perth Metro (Site Number 009225) was above average for July in 2021 being 271.4mm and below average in August being 56.8mm compared to average values of 146.8mm and 122.0mm (BOM, 2021). The rainfall in September was 62.2mm compared to an average of 82.0mm however October had a much higher than average rainfall being 122.8mm compared to 40.9mm (BOM, 2021). The above average rainfall in July is likely to have compensated for the low rainfall in August and September and the high rainfall in October was likely to lengthen the spring season. Weather conditions for 2021, therefore, are not considered a constraint to the survey results.

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.
Proportion of the flora identified^	Yes, Moderate	The timing of the survey in mid-November was past the peak spring survey period. Some ephemeral native species are likely to have not been able to be recorded due to the November survey period. Proportion of flora identified around 90%.
Sources of information (historic/recent or new data)	No	The flora in the Perth Metropolitan Region is well documented.
Proportion of the task achieved and further work that may need to be undertaken	No	No follow-up survey required as no Threatened Flora expected to occur in other seasons.
Timing/weather/season/cycle	Yes, Moderate	2021 was a good year for flowering. However, the timing of the survey in mid-November was past the peak spring survey period. Some ephemeral native species are likely to have not been able to be recorded due to the November survey period
Disturbances (Fire)	No	Fire age more than 5 years.
Intensity of survey (e.g. In retrospect was the intensity adequate)	No	The time spent on the site and relative ease of access on the small site 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	Critically Endangered	Endangered
<i>Calectasia cyanea</i>	Blue Tinsel Lily	Critically Endangered	Critically Endangered
<i>Drakaea elastica</i>	Glossy-leafed Hammer Orchid	Critically Endangered	Endangered
<i>Grevillea curviloba</i> subsp. <i>curviloba</i>	Narrow curved-leaf Grevillea	Critically Endangered	Endangered
<i>Thelymitra dedmaniarum</i>	Cinnamon Sun-orchid	Critically Endangered	Endangered
<i>Trithuria occidentalis</i>	Swan Hydatella	Critically Endangered	Endangered
<i>Diuris purdiei</i>	Purdie's Donkey-orchid	Endangered	Endangered
<i>Drakaea micrantha</i>	Dwarf Hammer-orchid	Endangered	Vulnerable
<i>Grevillea curviloba</i> subsp. <i>incurva</i>	Narrow curved-leaf Grevillea	Endangered	Endangered
<i>Marianthus paralius</i>		Endangered	Endangered
<i>Andersonia gracilis</i>	Slender Andersonia	Vulnerable	Endangered
<i>Anigozanthos viridis</i> subsp. <i>terraspectans</i>	Dwarf Green Kangaroo Paw	Vulnerable	Vulnerable
<i>Diuris micrantha</i>	Dwarf Bee-orchid	Vulnerable	Vulnerable
<i>Eleocharis keigheryi</i>	Keighery's Eleocharis	Vulnerable	Vulnerable
<i>Eucalyptus argutifolia</i>	Yanchep Mallee, Wabbling Hill Mallee	Vulnerable	Vulnerable
<i>Baeckea</i> sp. Limestone (N. Gibson & M.N. Lyons 1425)		Priority 1	
<i>Bolboschoenus fluviatilis</i>	River Bulrush	Priority 1	
<i>Drosera patens</i>		Priority 1	
<i>Drosera x sidjamesii</i>		Priority 1	
<i>Grevillea</i> sp. Ocean Reef (D. Pike Joon 4)		Priority 1	

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Hydrocotyle striata</i>		Priority 1	
<i>Leucopogon maritimus</i>		Priority 1	
<i>Stachystemon</i> sp. Keysbrook (R. Archer 17/11/99) now known as <i>Stachystemon exilis</i>		Priority 1	
<i>Acacia benthamii</i>		Priority 2	
<i>Calectasia elegans</i>	Elegant Tinsel Lily	Priority 2	
<i>Fabronia hampeana</i>		Priority 2	
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Priority 2	
<i>Millotia tenuifolia</i> var. <i>laevis</i>		Priority 2	
<i>Poranthera moorokatta</i>		Priority 2	
<i>Stenanthemum sublineare</i>		Priority 2	
<i>Thelymitra variegata</i>	Queen of Sheba	Priority 2	
<i>Thysanotus</i> sp. Badgingarra (E.A. Griffin 2511)		Priority 2	
<i>Acacia oncinophylla</i> subsp. <i>oncinophylla</i>		Priority 3	
<i>Amanita carneiphylla</i>	Miller's Pink-Gilled Lepidella	Priority 3	
<i>Amanita fibrilloses</i>	Peach Amanita	Priority 3	
<i>Amanita preissii</i>	Cinnamon-ring Lepidella	Priority 3	
<i>Austrostipa mundula</i>		Priority 3	
<i>Carex tereticaulis</i>		Priority 3	
<i>Conostylis bracteata</i>		Priority 3	
<i>Cyathochaeta teretifolia</i>		Priority 3	
<i>Dampiera triloba</i>		Priority 3	
<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		Priority 3	
<i>Haemodorum loratum</i>		Priority 3	
<i>Hibbertia leptotheca</i>		Priority 3	
<i>Isopogon autumnalis</i>		Priority 3	
<i>Meionectes tenuifolia</i>		Priority 3	
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		Priority 3	
<i>Pimelea calcicola</i>		Priority 3	
<i>Sarcozona bicarinata</i>	Ridged Noon-flower	Priority 3	
<i>Schoenus capillifolius</i>		Priority 3	
<i>Schoenus</i> sp. Waroona (G.J. Keighery 12235)		Priority 3	
<i>Stylidium paludicola</i>		Priority 3	
<i>Stylidium trudgenii</i>		Priority 3	
<i>Styphelia filifolia</i>		Priority 3	
<i>Tetradthea pilifera</i>		Priority 3	

Scientific Name	Common Name	Conservation Status (WA)	Status under EPBC Act
<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i>	Golden Cats Paw	Priority 4	
<i>Cyanicula ixioides</i> subsp. <i>ixioides</i>		Priority 4	
<i>Darwinia pimelioides</i>		Priority 4	
<i>Drosera occidentalis</i>	Western Sundew	Priority 4	
<i>Hypolaena robusta</i>		Priority 4	
<i>Jacksonia sericea</i>	Waldjumi	Priority 4	
<i>Schoenus griffinianus</i>		Priority 4	
<i>Stylidium longitubum</i>	Jumping Jacks	Priority 4	
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		Priority 4	

Definitions of the Conservation Codes are in Appendix 4.

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).

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.	Unlikely – this species has very few records on the Spearwood system
<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 species is not known from the Perth region
<i>Drakaea elastica</i>	Glossy-leafed Hammer Orchid	The Glossy-leafed Hammer Orchid prefers low-lying situations adjoining winter-wet swamps (DEC, 2009b). This species does not survive in disturbed areas.	Highly Unlikely – not low-lying habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Grevillea curviloba</i> subsp. <i>curviloba</i>	Narrow curved-leaf Grevillea	Narrow curved-leaf Grevillea occurs in grey sand in winter-wet heath. There are 17 known populations in an area between Muchea and Badgingarra (Phillimore and English, 2000).	Highly Unlikely - no winter-wet heath on the site
<i>Thelymitra dedmaniarum</i>	Cinnamon Sun-orchid	Cinnamon Sun-orchid is known from only two locations in the Gidgegannup area. It is confined to open wandoo woodland on red-brown sandy loam associated with dolerite and granite outcropping (DEC, 2012).	Highly Unlikely – not suitable habitat
<i>Trithuria occidentalis</i>	Swan Hydatella	Swan Hydatella grows partly submerged on the edge of shallow, winter-wet claypans in very open shrubland of Robin Redbreast Bush (<i>Melaleuca lateritica</i>) and numerous annual herbs.	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 – no winter-wet heath on the site
<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 – no winter-wet heath on the site
<i>Grevillea curviloba</i> subsp. <i>incurva</i>	Narrow curved-leaf Grevillea	Narrow curved-leaf Grevillea prefers sand, sandy loam in winter-wet heath.	Unlikely - no winter-wet heath on the site
<i>Marianthus paralius</i>		<i>Marianthus paralius</i> occurs in white sand and brown loam amongst heath on coastal limestone cliffs (DEC, 2009c).	Highly Unlikely – not coastal 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 – no winter-wet heath on the site
<i>Anigozanthos viridis</i> subsp. <i>terraspectans</i>	Dwarf Green Kangaroo Paw	The Dwarf Green Kangaroo Paw occurs on grey sand, clay loam in winter-wet depressions.	Highly Unlikely – no winter-wet heath on the site
<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.	Highly Unlikely – no winter wet habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Eleocharis keigheryi</i>	Keighery's Eleocharis	Keighery's Eleocharis occurs in clay, sandy loam and is emergent in freshwater: creeks, claypans.	Highly Unlikely – not suitable habitat
<i>Eucalyptus argutifolia</i>	Yanchep Mallee, Wabbling Hill Mallee	The Yanchep Mallee occurs in shallow soils over limestone on slopes or gullies of limestone ridges, outcrops.	Highly Unlikely – not limestone habitat
Priority 1			
<i>Baeckea</i> sp. Limestone (N. Gibson & M.N. Lyons 1425)		<i>Baeckea</i> sp. Limestone is recorded from limestone outcrop/ridge in yellow sand derived from Tamala Limestone - Spearwood Dune System in bushland burnt 5+ years (Western Australian Herbarium, 2012).	Highly Unlikely – not limestone habitat
<i>Bolboschoenus fluviatilis</i>	River Bulrush	River Bulrush occurs on the margins of wetlands and rivers.	Highly Unlikely – not on the margin of a wetland or river
<i>Drosera patens</i>		<i>Drosera patens</i> occurs in sandy soils on the margins of winter-wet depressions, swamps and lakes.	Highly Unlikely – no winter-wet depressions on the site
<i>Drosera x sidjamesii</i>		<i>Drosera x sidjamesii</i> grows in peaty sand along lake margins, close to winter high-water line.	Highly Unlikely – not on a lake margin
<i>Grevillea</i> sp. Ocean Reef (D. Pike Joon 4)		<i>Grevillea</i> sp. Ocean Reef (D. Pike Joon 4) occurs in dry brown/grey sand, yellow brown sand on sandy dune, gully in coastal scrub.	No – not coastal habitat
<i>Hydrocotyle striata</i>		<i>Hydrocotyle striata</i> occurs in clay near springs.	No – not suitable habitat
<i>Leucopogon maritimus</i>		<i>Leucopogon maritimus</i> occurs in Quindalup deep, calcareous sands, on the mid to upper slopes of dunes or in shallow sand over limestone, but avoiding the thicker vegetation of the swale (Hislop, 2011)	Highly Unlikely – not suitable habitat
<i>Stachystemon exilis</i> (previously <i>Stachystemon</i> sp. Keysbrook)		<i>Stachystemon exilis</i> grows in grey sand with thin litter layer (Western Australian Herbarium, 1999) and is generally in association with open, low-lying Banksia woodland in which <i>B. ilicifolia</i> is a significant component of the upper canopy (Hislop and Davies, 2020).	Highly Unlikely – not suitable habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
Priority 2			
<i>Acacia benthamii</i>		<i>Acacia benthamii</i> grows on sand, typically on limestone breakaways	Highly Unlikely – not limestone habitat
<i>Calectasia elegans</i>	Elegant Tinsel Lily	Elegant Tinsel Lily occurs in deep grey quartz soils on gentle slopes, above damplands.	Unlikely – not suitable habitat
<i>Fabronia hampeana</i>		<i>Fabronia hampeana</i> occurs on sheltered wet trunk of <i>Macrozamia dyeri</i> in shrub layer (Western Australian Herbarium, 2005).	Possible if host plant present
<i>Levenhookia pulcherrima</i>	Beautiful Stylewort	Beautiful Stylewort grows in sand.	Possible in sandy areas
<i>Millotia tenuifolia</i> var. <i>laevis</i>		<i>Millotia tenuifolia</i> var. <i>laevis</i> grows in granite or laterite soils.	Highly Unlikely – not lateritic or granitic 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 – habitat may occur on the site
<i>Stenanthemum sublineare</i>		<i>Stenanthemum sublineare</i> grows in littered white sand on coastal plain (Rye, 2001).	Highly Unlikely – not suitable habitat
<i>Thelymitra variegata</i>	Queen of Sheba	The Queen of Sheba orchid grows on sandy clay, sand and laterite.	Highly Unlikely – not suitable habitat
<i>Thysanotus</i> sp. <i>Badgingarra</i> (E.A. Griffin 2511)		<i>Thysanotus</i> sp. <i>Badgingarra</i> grows in grey sand with lateritic gravel.	Highly Unlikely – not lateritic habitat
Priority 3			
<i>Acacia oncinophylla</i> subsp. <i>oncinophylla</i>		<i>Acacia oncinophylla</i> subsp. <i>oncinophylla</i> occurs in granitic soils	Highly Unlikely – not granitic habitat
<i>Amanita carneiphylla</i>	Miller's Pink-Gilled Lepidella	Miller's Pink-Gilled Lepidella is a deeply rooting species and grows in sandy soil.	Possible – habitat may occur on the site

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<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).	Highly 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).	Unlikely – not typical habitat
<i>Austrostipa mundula</i>		<i>Austrostipa mundula</i> occurs on plains in grey sand (Western Australian Herbarium, 2001).	Unlikely – Not plain habitat
<i>Carex tereticaulis</i>		<i>Carex tereticaulis</i> prefers black peaty sand.	Highly Unlikely – Not peaty sand soils
<i>Conostylis bracteata</i>		<i>Conostylis bracteata</i> occurs in sand, limestone on consolidated sand dunes.	Highly Unlikely – no limestone habitat
<i>Cyathochaeta teretifolia</i>		<i>Cyathochaeta teretifolia</i> occurs in grey sand, sandy clay on swamps, creek edges.	Highly Unlikely – not suitable habitat
<i>Dampiera triloba</i>		<i>Dampiera triloba</i> grows in loamy sand (Australian National Herbarium, 2009) in lower lying areas.	Possible – habitat may occur on the site
<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> is recorded from a winter wet claypan, water to 20 cm deep in grey-brown clay (Western Australian Herbarium, 1989)	Highly Unlikely – not claypan habitat
<i>Haemodorum loratum</i>		<i>Haemodorum loratum</i> prefers grey or yellow sand, gravel.	Highly Unlikely – not gravel habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
<i>Hibbertia leptotheca</i>		<i>Hibbertia leptotheca</i> grows near-coastal limestone ridges, outcrops and cliffs in coastal heaths and thickets usually dominated by species of <i>Melaleuca</i> and <i>Acacia</i> (Thiele, 2019).	Highly Unlikely – not limestone habitat
<i>Isopogon autumnalis</i>		<i>Isopogon autumnalis</i> occurs in white, grey or yellow sand, often over laterite.	Unlikely – not typical habitat
<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 – not suitable habitat
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i> grows in white or grey sand, lateritic gravel.	Highly Unlikely – not lateritic habitat
<i>Pimelea calcicola</i>		<i>Pimelea calcicola</i> occurs in sand on coastal limestone ridges.	Highly Unlikely – not limestone habitat
<i>Sarcozona bicarinata</i>	Ridged Noon-flower	Ridged Noon-flower is found in white sand.	Unlikely – not typical habitat
<i>Schoenus capillifolius</i>		<i>Schoenus capillifolius</i> grows in brown mud on claypans.	Highly Unlikely – not claypan habitat
<i>Schoenus</i> sp. Waroona (G.J. Keighery 12235)		<i>Schoenus</i> sp. Waroona occurs in clay or sandy clay on winter-wet flats.	Highly Unlikely – not suitable habitat
<i>Stylidium paludicola</i>		<i>Stylidium paludicola</i> prefers peaty sand over clay in winter wet habitats in Marri and <i>Melaleuca</i> woodland, <i>Melaleuca</i> shrubland.	Unlikely – not clay habitat
<i>Stylidium trudgenii</i>		<i>Stylidium trudgenii</i> grows in grey sand, dark grey to black sandy peat on the margins of winter-wet swamps, depressions.	Unlikely – not typical habitat
<i>Styphelia filifolia</i>		<i>Styphelia filifolia</i> occurs in sandy soils of the coastal plain (with one known occurrence from the northern Darling Scarp), usually in Banksia or Jarrah woodland and in low-lying situations (Hislop and Lelièvre, 2017).	Possible – habitat may occur on the site
<i>Tetratheca pilifera</i>		<i>Tetratheca pilifera</i> occurs in gravelly soils.	Highly Unlikely – not gravelly habitat

Scientific Name	Common Name	Habitat*	Likelihood to occur on the site
Priority 4			
<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i>	Golden Cats Paw	Golden Cats Paw grows in grey or yellow sand.	Possible – habitat may occur on the site
<i>Cyanicula ixiooides</i> subsp. <i>ixiooides</i>		<i>Cyanicula ixiooides</i> subsp. <i>ixiooides</i> grows in laterite, gravel.	Highly Unlikely – not lateritic habitat
<i>Darwinia pimelioides</i>		<i>Darwinia pimelioides</i> prefers loam, sandy loam on granite outcrops.	Highly Unlikely – not granitic habitat
<i>Drosera occidentalis</i>	Western Sundew	The Western Sundew occurs in sandy and clayey soils in swamps and wet depressions.	Highly Unlikely – not clay habitat
<i>Hypolaena robusta</i>		<i>Hypolaena robusta</i> grows in white sand on sandplains.	Unlikely – not typical habitat
<i>Jacksonia sericea</i>	Waldjumi	Waldjumi grows in calcareous and sandy soils.	Highly Unlikely – not calcareous habitat
<i>Schoenus griffinianus</i>		<i>Schoenus griffinianus</i> grows in white sand in low heath (Wilson, 1997).	Unlikely – not typical habitat
<i>Stylidium longitubum</i>	Jumping Jacks	Jumping Jacks prefer sandy clay, clay in seasonal wetlands.	Highly Unlikely – not clay 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.	Unlikely – not typical habitat

* sourced from Florabase (DBCAs, 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 (40_0821EC) (Appendix 5). Four TECs and eight PECs at State level were identified in the database search. There are five State listed PECs that are listed as part of TECs 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
SCP02	Southern wet shrublands, Swan Coastal Plain (floristic community type 2 as originally described in Gibson <i>et al.</i> (1994))	Endangered	

Ecological Community	Description	Conservation Status WA	Status under the EPBC Act
SCP20a	<i>Banksia attenuata</i> woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson <i>et al.</i> (1994))	Endangered	Endangered as part of the Banksia WL SCP
SCP30a	<i>Callitris preissii</i> (or <i>Melaleuca lanceolata</i>) forests and woodlands, Swan Coastal Plain (floristic community type 30a as originally described in Gibson <i>et al.</i> (1994))	Vulnerable	
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
SCP23b	Swan Coastal Plain <i>Banksia attenuata</i> - <i>Banksia menziesii</i> woodlands	Priority 3	Endangered as part of the Banksia WL SCP
SCP24	Northern Spearwood shrublands and woodlands	Priority 3	
SCP25	Southern <i>Eucalyptus gomphocephala</i> - <i>Agonis flexuosa</i> woodlands	Priority 3	Critically Endangered as part of Tuart Woodlands
SCP29a	Coastal shrublands on shallow sands	Priority 3	
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 93 plant species were recorded on the site during the Detailed Flora survey (Appendix 6). The total included 63 native and 30 introduced species (32%).

The plant Families with the highest representation of species were the Fabaceae (Pea and Wattle family – 13 species, including 10 native and 3 introduced), the Poaceae (Grass family – 10 species, 2 native and 8 introduced) and the Proteaceae (Banksia family – 9 species, all native).

No Threatened plant species were recorded on the site.

One Priority 4 plant species, *Jacksonia sericea*, was recorded in abundance on the site (Figure 3). A total of 68 plants were recorded, however there are likely to be more than that on the site. The significance of the species is discussed in Section 4.6.1.

Quadrat Data are provided in Appendix 7.

Species richness in the three quadrats ranged from 28-44 species (average 34.3). The number of species per 10m x 10m quadrat is moderate and reflects the overall Good condition of the vegetation.

Similar type vegetation in Excellent condition would be expected to have more than 50 species per 100m².

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 is part of the Karakatta Complex – Central and South which is described as:

Karakatta Complex – Central and South – Open forest of Tuart-Jarra-Marri, with Jarrah and Marri replacing Tuart while progressing eastwards. *Banksia attenuata*, *B. menziesii*, *B. grandis* and *Allocasuarina fraseriana* are also common tree species. (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.

One native vegetation type was described and mapped on the site. The vegetation type is described in Table 5 and mapped in Figure 3.


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 a spreadsheet method which compares the species in the quadrats to the species found in each FCT as listed in Table 12 in Gibson *et al.* (1994).

Using this method, the vegetation on the site was found to have a very high correlation to FCT28 'Spearwood *Banksia attenuata* or *B. attenuata* – *Eucalyptus* woodland' with much less similarity to other FCTs.

Table 5: Vegetation Types on the Site

Vegetation Type	Description	Photograph
<p>EmEg <i>Eucalyptus marginata</i>/E. <i>gomphocephala</i> Woodland over <i>Banksia attenuata</i> Low Open Woodland over <i>Xanthorrhoea preissii</i> Shrubland</p>	<p>One vegetation type was considered to occur on the site. <i>Eucalyptus marginata</i> (Jarrah) and <i>Eucalyptus gomphocephala</i> (Tuart) were up to 12m high with Jarrah the main tree species and Tuart more sparsely distributed around the site. <i>Banksia attenuata</i> was usually present to 4m at low density (<5% cover). <i>Xanthorrhoea preissii</i> was the most abundant shrub species. Other common native species include <i>Jacksonia sternbergiana</i>, <i>Xanthorrhoea brunonis</i>, <i>Morelotia octandra</i>, <i>Corynotheca micrantha</i>, <i>Mesomelaena pseudostygia</i>, <i>Jacksonia sericea</i> and <i>Hardenbergia comptoniana</i>.</p> <p>The soils are yellowish grey to dark brown sands.</p> <p>Quadrats CW1, 2 and 3 are representative of this vegetation type.</p>	

4.4.4 Vegetation Condition

The condition of the vegetation was assessed according to the system of Keighery as described in Bush Forever (Government of Western Australia, 2000) (Table 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 was mostly rated as Good due to the presence of aggressive weeds such as Veldtgrass. Parts of the site, especially tracks and firebreaks are rated as Completely Degraded due to the absence of native vegetation and presence of grassy weeds. The old tennis court and stormwater sump are Completely Degraded (Figure 4). The stormwater sump contains many introduced River Red Gum (*Eucalyptus camaldulensis*) saplings.

4.5 Conservation Significance of Flora and Vegetation

4.5.1 Flora

No Threatened species were recorded on the site.

One Priority 4 plant species, *Jacksonia sericea*, was recorded as common on the site (Figure 3).

Jacksonia sericea is a low spreading shrub (Plate 5) which occurs on calcareous, sandy soils from Mandurah to Yanchep.

Plate 5: *Jacksonia sericea* P4 on the site



Priority 4 species are those species which are considered to have been adequately surveyed and which, while being rare (in Australia), are not currently threatened by any identifiable factors. Priority species are not protected under State or Commonwealth environmental legislation.

In the Perth Metropolitan Region *Jacksonia sericea* is known to occur in several local reserves and 14 Bush Forever sites, of which 8 are in the Cities of Wanneroo and Joondalup (Table 7). The population of *Jacksonia sericea* on the site does not represent an important population in terms of the geographic extent of the species.

Table 8: Bush Forever sites containing *Jacksonia sericea* P4

Bush Forever Site	Bush Forever Site Name	Local Authority
383	Neerabup National Park, Lake Nowergup Nature Reserve and Adjacent Bushland, Neerabup	City of Wanneroo
327	Badgerup Lake and Adjacent Bushland, Wanneroo	City of Wanneroo
493	Errina Road Bushland, Alexander Heights	City of Wanneroo
201	Koondoola Regional Bushland	City of Wanneroo
299	Yellagonga Regional Park, Wanneroo/Woodvale/Kingsley	City of Joondalup
407	Woodvale Nature Reserve	City of Joondalup
303	Whitfords Avenue Bushland, Craigie/Padbury	City of Joondalup
202	Warwick Open Space Conservation Area	City of Joondalup
204	Star Swamp Reserve and Adjacent Bushland, North Beach/Waterman	City of Stirling
312	Bold Park and Adjacent Bushland, City Beach	Town of Cambridge/ City of Nedlands
119	Underwood Avenue Bushland, Shenton Park	City of Nedlands
218	Shenton Bushland, Shenton Park	City of Nedlands
317	Kings Park	City of Perth
336	Wireless Hill Park, Ardross	City of Melville

4.5.2 Vegetation

4.5.2.1 Vegetation Complex

The vegetation is part of the Karrakatta Complex Central and South. There is approximately 23.49% of the Karrakatta Complex Central and South remaining on the southern Swan Coastal Plain based on the pre-European extent with 3.87% in secure tenure (DBCA, 2018).

The percentage retention is below EPA's target for minimum 30% retention of vegetation complexes State-wide in the Perth and Peel Region Constrained Areas and the area in protection is below the 10% minimum criteria for vegetation complexes, however the site is too small to be considered an important remnant.

4.5.2.2 Threatened and Priority Ecological Communities

The native vegetation on the site was assessed as being FCT 29 which is not a Threatened or Priority Ecological Community at State level. However, FCT 28 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 vegetation on the site with respect to the Banksia Woodland TEC is contained in Section 4.6.2.3.

The vegetation also contains Tuart trees and may be part of the EPBC Act listed Tuart Woodlands and Forests of the Swan Coastal Plain ecological community which is listed as Critically Endangered under the EPBC Act. An assessment of the vegetation on the site with respect to the Tuart Woodland TEC is contained in Section 4.6.2.4.

4.5.2.3 Banksia Woodland TEC Assessment

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).

The vegetation on the site contains *Banksia attenuata* trees and a few *B. menziesii* trees. The density of tree cover recorded in the three quadrats ranged from <1% to 5%. In all areas the Banksia trees are under a slightly denser cover of Jarrah and Tuart trees (canopy cover range 5-25%). The Banksia trees do not form a prominent tree layer on any part of the site. Therefore, the native vegetation was assessed as not meeting the criteria for the Banksia Woodland TEC.

4.5.2.4 Tuart Woodland Assessment

Description

The Tuart Woodlands and Forests of the Swan Coastal Plain was listed as a Threatened Ecological Community (TEC) with a rating of Critically Endangered under the Commonwealth EPBC Act on 4 July 2019

(for brevity the community will be called the Tuart Woodland TEC in this report). A description of the Tuart Woodland TEC is contained in the *Approved Conservation Advice (incorporating listing advice) for the Tuart (*Eucalyptus gomphocephala*) woodlands and forests of the Swan Coastal Plain ecological community* (Commonwealth of Australia, 2019). According to the Conservation Advice the diagnostic characteristics of the TEC are:

Key diagnosis characteristics

- The ecological community is limited to patches of vegetation (with their associated biota) that meet all of the following key diagnostic characteristics:
- Occurs in the Swan Coastal Plain Bioregion, Western Australia (IBRA v7. Department of the Environment 2012).
- Primarily occurs on the Spearwood and Quindalup dune systems but can also occur on the Bassendean dunes and Pinjarra Plain. It can occur on the banks of rivers and wetlands.
- The primary defining feature is the presence of at least two living established *Eucalyptus gomphocephala* (Tuart) trees in the uppermost canopy layer, although they may co-occur with trees of other species. There is a gap of no more than 60 m between the outer edges of the canopies of adjacent Tuart trees. These trees may occur either as single stemmed trees or as a mallee growth form.
- Most often occurs as a woodland but can occur in other structural forms, For example, forest, open forest, woodland, open woodland, and various mallee forms.
- Other tree species may be present in the canopy or sub-canopy. They commonly include: *Agonis flexuosa* (Peppermint) and *Banksia grandis* (Bull Banksia) (both in the southern part of the range), *Banksia attenuata* (Candlestick Banksia), *Eucalyptus marginata* (Jarrah); and less commonly, *Corymbia calophylla* (Marri), *Banksia menziesii* (Firewood Banksia) and *Banksia prionotes* (Acorn Banksia).
- An understorey of native plants is typically present, which may include grasses, herbs and shrubs, although this is often modified by disturbance. Some understorey plant species that are most commonly present are listed in Section 2.3.3 of the Conservation Advice.
- Native fauna species that are most commonly present are noted in Section 2.4 of the Conservation Advice (Commonwealth of Australia, 2019).

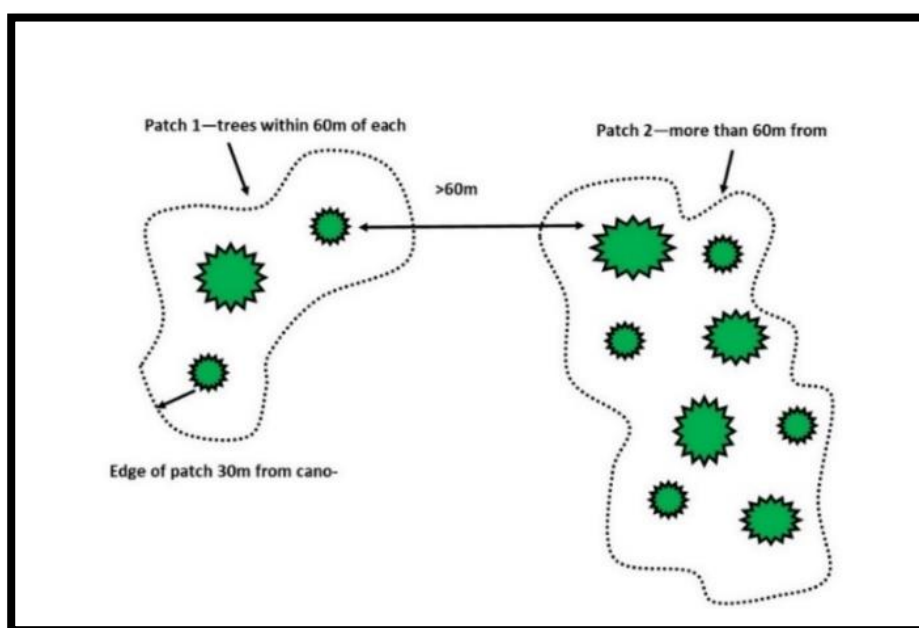
Defining a patch of the ecological community

- A patch of the ecological community is a discrete and mostly continuous area of vegetation that meets the key diagnostic characteristics.
- Boundaries for a patch can extend beyond a site or property boundary, or potential area of impact for a proposed action.
- The patch boundary is 30 m beyond the outer canopy of the established Tuart trees (≥ 15 cm diameter at breast height (DBH)), including dead Tuart trees (stags). See Plate 6
- Where a dead Tuart tree (stag) is being considered for inclusion in a patch of the ecological community, the vertical projection of its outermost remaining branches is used to define the edge of its canopy. If the species of a stag tree is unclear, if the edge of its canopy is within 60 m of an identified Tuart tree the stag is presumed to be a Tuart.
- Patches of Tuart woodlands and forests may contain areas that vary in structural or biological complexity. One part of a patch may have a larger number of mature trees and more ecological

diversity, whereas another part of the same patch may demonstrate fewer mature trees and less groundcover. Areas with soil exposed and/or plant litter can also be expected within this ecological community.

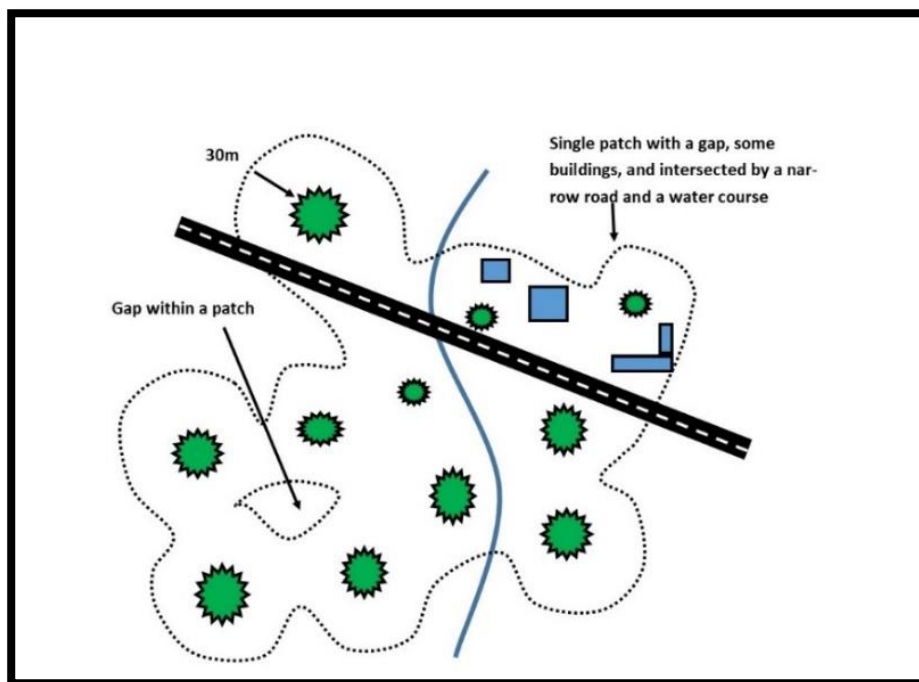
- Variation in quality or condition of vegetation across a patch should not necessarily be considered to be evidence of multiple patches. Patches of the ecological community can be spatially variable and are often characterised by one or more areas within a patch that meet higher condition thresholds amongst areas of lower condition.
- If an area meets the key diagnostic characteristics but the average condition across that area falls below the minimum condition thresholds, the largest area or areas of at least 0.5 ha that meet minimum condition thresholds on average, should be specified as the patch or patches of the nationally listed ecological community. This may result in multiple patches of the ecological community being identified within the overall area first identified as meeting the key diagnostics.
- A patch may include small areas without understorey vegetation, such as bare ground, as well as waterbodies or hardscape (e.g. roads, paths, car parks, or buildings) that do not significantly alter the overall function of the ecological community. These small areas do not break up a patch, or divide a patch into multiple patches, as long as there are some parts of the canopy within 60 m of the outer edges of the canopies of adjacent Tuart trees (as per Plate 6). However, existing buildings and other human-made structures and gardens are not part of the nationally protected ecological community and should be excluded from the calculation of patch size and condition. See Plate 7 (Commonwealth of Australia, 2019).

Plate 6: Tuart TEC Patch Boundaries



Source: Commonwealth of Australia, 2019

Plate 7: Variation Within a Patch*



* including small areas without understorey vegetation, and a small gap within a patch due to part of the Tuart canopy being >60 m apart

Source: Commonwealth of Australia, 2019

Condition thresholds and categories

For confirmed patches of the ecological community, following the key diagnostic characteristics and patch definition above (Step 1), determine the following requirements for information on condition to indicate if they are part of the nationally protected ecological community:

- If the patch is smaller than 0.5 ha it is **not** part of the nationally protected ecological community.
- If the patch is at least 0.5 ha and up to 5 ha in size, conduct on ground surveys. Patches in this size range are presumed to be part of the nationally protected ecological community unless surveys indicate they do not meet the minimum condition required for national protection. For patches in this size range inclusion in the nationally protected ecological community is determined by surveyed characteristics such as native plant species richness and contribution to cover, habitat values, evidence of regeneration and landscape characteristics.
- **All patches of 5 ha or greater** that meet the key diagnostic characteristics **are part of the nationally protected ecological community**. It is not necessary to conduct additional surveys to confirm that they meet biotic condition thresholds (Table 4) and that they are protected.

Table 7: Tuart TEC Condition Categories and Thresholds

All patches ≥ 5 ha is part of the nationally protected ecological community, regardless of their understorey condition. That is, thresholds in this table do not apply to patches ≥ 5 ha, but the key diagnostic characteristics and patch definition must be met.

Patch size	≥ 2 ha <5 ha	≥ 0.5 ha <2 ha
Biotic thresholds		
Very high condition ≥ 80 % of all understorey [^] vegetation cover is native# Or At least 12 native understorey [^] species per 0.01 ha (10 m x 10 m plot or equivalent sample unit)	Medium sized patches with very high condition understorey. PART OF THE PROTECTED ECOLOGICAL COMMUNITY	Smaller patches with very high condition understorey. PART OF THE PROTECTED ECOLOGICAL COMMUNITY
High condition ≥ 60 % of all understorey [^] vegetation cover is native# Or At least 8 native understorey [^] species per 0.01 ha (10 m x 10 m plot or equivalent sample unit)	Medium sized patches with high condition understorey. PART OF THE PROTECTED ECOLOGICAL COMMUNITY	Smaller patches with high condition understorey. AND That either: have an important landscape role (≤ 100 m to native vegetation)* OR have a habitat role (≥ 2 very large trees per 0.5 ha)* OR show regeneration (≥ 15 seedlings and/or saplings per 0.5 ha)* PART OF THE PROTECTED ECOLOGICAL COMMUNITY
Moderate condition ≥ 50 % of all understorey [^] vegetation cover is native# Or At least 4 native understorey [^] species per 0.01 ha (10 m x 10 m plot or equivalent sample unit)	Medium sized patches with moderate condition understorey. AND That either: have an important landscape role (≤ 100 m to native vegetation)* OR have a habitat role (≥ 2 very large trees per 0.5 ha)* OR show regeneration (≥ 15 seedlings and/or saplings per 0.5 ha)* PART OF THE PROTECTED ECOLOGICAL COMMUNITY	<u>NOT</u> PART OF THE PROTECTED ECOLOGICAL COMMUNITY (but may be a focus for local protection or restoration)

Patch size	≥2 ha <5 ha	≥0.5 ha <2 ha
Biotic thresholds		
Poor Has minimal or no native cover and species richness. That is: <50 % of all understorey^ vegetation cover is native# And Less than 4 native understorey^ species per 0.01 ha (10 m x 10 m plot or equivalent sample unit)	<u>NOT</u> PART OF THE PROTECTED ECOLOGICAL COMMUNITY (but may be a focus for local protection or restoration)	<u>NOT</u> PART OF THE PROTECTED ECOLOGICAL COMMUNITY (but may be a focus for local protection or restoration)

Tuart Woodland TEC Assessment

The site contains Tuart trees but not in a uniform distribution. There are also Tuart trees off-site to the west around the school oval.

The presence of Tuart trees does not automatically mean that the Tuart Woodland TEC occurs on site.

The Conservation Advice contains the following step-wise approach in determining if the TEC occurs on a site:

- Step 1: Is the Tuart Woodlands and Forests ecological community in your proposed project site? Is it in other adjacent or off-site areas that may be impacted (for example, by introducing weeds)?
- Step 2: What is the patch size and condition category of the Tuart Woodlands and Forests in the proposed project site and in the surrounding area?

The flora and vegetation survey undertaken on the site also recorded the location of all Tuart trees with a DBH equal to or greater than 30cm.

The assessment of the Tuart Woodland TEC on the site is outlined in Table 8 and Table 9.

In summary, the Tuart patch on the site is large enough and in overall good enough condition to meet the criteria of the Tuart Woodland TEC and is shown on Figure 5.

Step 1: Is the Tuart Woodlands and Forests ecological community in your proposed project site? Is it in other adjacent or off-site areas that may be impacted (for example, by introducing weeds)?

Table 8: Tuart Woodland TEC Step 1 Diagnostics

Key diagnostic characteristics [♦]	Information	Key diagnostic questions* (Refer to Section 3.2 of the Approved Conservation Advice for a complete explanation of these diagnostic features – other sections of the Approved Conservation Advice are referenced where relevant)	Response (yes/no/possibly) and detailed comments. Use as much space as you need to fully answer the question [#]
Location and physical environment	Bioregion	Is the proposal site within the Swan Coastal Plain IBRA bioregion?	Yes
Soils and Landform	Soil type	Is the soil type consistent with where the Tuart Woodlands and Forests may occur? (see Section 2.2.1 [♦])	Yes, Spearwood Dune soil type
	Location in the landscape, topography	Is the topography/physical environment consistent with where the Tuart Woodlands and Forests may occur? Is the site associated with any hydrology (groundwater/surface water)?	Yes, Tuarts commonly found in the Wanneroo area. Not associated with any wetlands
Structure	Presence of Tuart trees	How many Tuart trees are present and are they consistent with the characteristics set out in the Approved Conservation Advice? Note: Please present this information in terms of total number of trees (dead, established, seedlings etc.) and trees per hectare of the footprint. Diagrams/maps should also be provided.	13 Tuart trees on site with a DBH equal to or greater than 30cm.
	Structural form	What structural form is the vegetation?	Low Open Woodland to Woodland
Composition	Dominant tree species, emergent tree	Is the composition of the community consistent with the characteristics set out in the Approved Conservation Advice? What other tree species are present? How many native	Tuarts occur with Jarrah trees. Native understorey species range from 20-34 (average 26) in three quadrats. Refer to quadrat data in Appendix 7. Survey done in mid-November. A

Key diagnostic characteristics*	Information	Key diagnostic questions* (Refer to Section 3.2 of the Approved Conservation Advice for a complete explanation of these diagnostic features – other sections of the Approved Conservation Advice are referenced where relevant)	Response (yes/no/possibly) and detailed comments. Use as much space as you need to fully answer the question#
	layer, understory	understorey species are present and what is the number of weedy species/proportion of weeds?	spring survey would record a few more native ephemeral species.
Defining a patch of Tuart Woodlands and Forests	Patch definition	What is the extent of the patch? Note: Descriptions of patch extent must include analysis of canopy extent and associated understorey vegetation (see Section 3.2.2*). Patches may extend beyond the project area or include areas of infrastructure (i.e. road, powerline). The referral should make clear how, and how much of the patch will be directly or indirectly impacted.	The 30m perimeter around Tuart tree canopies overlapped continuously on the site to create just one patch on the site (Figure 5). The patch includes the Tuart trees on the adjoining school grounds to the north-west. The calculation of patch size does not include any of the perimeter roads or houses, tennis courts or buildings (as specified in the definition of a patch). The total area of the patch on the site is 1.98ha.
Relationship with other ecological communities	Other vegetation communities	Are other vegetation communities present? What are they and how do they intergrade and/or interact with the Tuart Woodlands and Forests TEC? (see Section 3.2.3*)	There are no other communities present.

The complete key diagnostic characteristics are provided in the Approved Conservation Advice.

* The Tuart Woodlands and Forests may include restored, planted or revegetated flora. Do not exclude vegetation from being classed as the Tuart Woodlands and Forests because it is a planted, restoration or revegetation site (unless it is a garden).

Comments should include references to appropriate supporting information and data.

Step 2: What is the patch size and condition category of the Tuart Woodlands and Forests in the proposed project site and in the surrounding area?

Table 9: Tuart Woodland TEC Step 2 Diagnostics

Size and condition [♦]	Information	Relevant content to be discussed in the referral (Refer to Section 3.3 of the Approved Conservation Advice for a complete explanation of these diagnostic features)	Detailed comments. Use as much space as you need to fully answer the question [#]
Patch Size	Patch size in hectares	Is the patch size large enough to meet the minimum patch size in this section? (Section 3.3 [♦]) Note: Patch boundaries are not limited to the proposal site. You must make clear that the patch boundary is consistent with Section 3.2.2 [♦] .	The one patch on the site is calculated to be 1.98ha. in size. The size is below the 5ha size where condition scale does not need to be met.
Patch condition	Condition thresholds	Using the condition categories in this section, what is the patch condition? (Section 3.3.1 [♦]) What is the quality and size (hectares) of the vegetation community in and around the site where the proposed action will occur? Is the patch expected to improve in condition (e.g. after appropriate fire management) or is there a threatening process underway that will reduce the current size and/or condition? Note: Refer to Section 3.4 – Step 3 – Further information to assist in identifying patches of the protected ecological community and avoiding significant adverse impacts If patch quality varies over the site; characterisation of the variation should be provided. Patch condition includes consideration of thresholds for characteristics such as plant species richness, landscape features, Tuart tree age and size and other habitat roles of the vegetation. Other vegetation condition measures (e.g. Keighery scale) do not necessary reflect the condition thresholds and both should be provided, where relevant. Where threats are identified (i.e. those listed in Appendix C of the Approved Conservation Advice) please provide further information on what these are and how they have impacted the condition.	The three quadrats assessed have 20-34 native understorey species per 0.1ha which gives the patch a Very High condition rating. Parts of the patch are Completely Degraded either on the site on tracks and firebreaks of off-site on the school grounds. These areas have no native understorey species and are rated as Poor condition. However, overall the patch is rated as Very High or High if an average were to be taken. A Tuart patch in Very High condition needs to be at least 0.5ha to be the Tuart Woodland TEC. A patch in High condition needs to be at least 0.5ha <i>and</i> contain at least two Tuart trees with a dbh>50cm which the site contains. The Tuart patch on the site is 1.98ha in size which is above the threshold to be the TEC.

♦ Further information on the key diagnostic characteristics is provided in the Approved Conservation Advice.

Comments should include references to appropriate supporting information and data. The response which includes the information does not need to be presented in table form.

5 SUMMARY AND CONCLUSIONS

The 2021 Detailed Flora and Vegetation Survey resulted in the following findings:

- The site contains approximately 0.9ha of native vegetation on an overall site size of 1.3001ha;
- A total of 93 plant species were recorded on the site including 63 native and 30 introduced species (32%);
- No Threatened plant species were recorded however a large number of the Priority 4 species *Jacksonia sericea* was recorded on the site. Priority species are not protected under State or Commonwealth environmental legislation. The population of *Jacksonia sericea* on the site does not represent an important population in terms of the geographic extent of the species and therefore is of moderate conservation significance. Any proposal to clear the plants for development of the site is not likely to be constrained by their presence;
- One native vegetation type was recorded on the site - *Eucalyptus marginata*/E. *gomphocephala* Woodland over *Banksia attenuata* Low Open Woodland over *Xanthorrhoea preissii* Shrubland;
- The condition of the native vegetation was rated as Good with tracks, tennis court and stormwater sump rated as Completely Degraded;
- The vegetation is part of the Karrakatta Central and South vegetation complex. There is approximately 23.49% of the Karrakatta Central and South complex remaining on the southern Swan Coastal Plain based with 3.87% in secure tenure (DBCA, 2018). The percentage retention is below EPA's target for minimum 30% retention of vegetation complexes State-wide in the Perth and Peel Region Constrained Areas and the amount protected is below the 10% minimum criteria for vegetation complexes. However, the vegetation on the site is too small to be considered an important remnant of this vegetation complex;
- The vegetation was assessed as being FCT28 'Spearwood *Banksia attenuata* or *B. attenuata* – *Eucalyptus* woodland'. FCT 28 is not itself a Threatened or Priority Ecological Community, however was assessed as potentially being a part of two broader ecological communities as follows:
 - The vegetation was considered to not be a part of the Banksia Woodlands of the Swan Coastal Plain TEC due to the sparse cover of Banksia trees not forming a prominent tree layer;
 - The vegetation was assessed as being a part of the Tuart Woodlands and Forests of the Swan Coastal Plain TEC which is listed as Critically Endangered under the Commonwealth EPBC Act. The occurrence of the Tuart Woodland TEC places a high conservation significance on the vegetation. However, the size of the Tuart patch is small (1.98ha overall, including some Tuarts on the adjoining school grounds, and only 0.9ha is in Very Good condition) and may not be an impediment to future development of the site if this is being contemplated; and
- Any proposal to clear the native vegetation on the site will require a referral under the Commonwealth EPBC Act due to the Tuart Woodland TEC.

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FIGURES



2021-648-101.dgn
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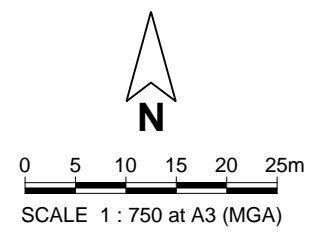
pgv ENVIRONMENTAL

Vietnamese Community in Australia, WA Chapter
DETAILED FLORA AND VEGETATION SURVEY
LOT 501 CURTIS WAY, GIRRAWHEEN

Drawn: P. van der Moezel	Date: 15 Feb 2022
Job: 10479 Rpt: 2021-648	Revision: A

SITE LOCATION

Figure 1



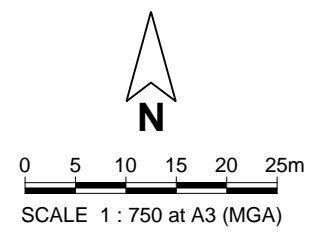
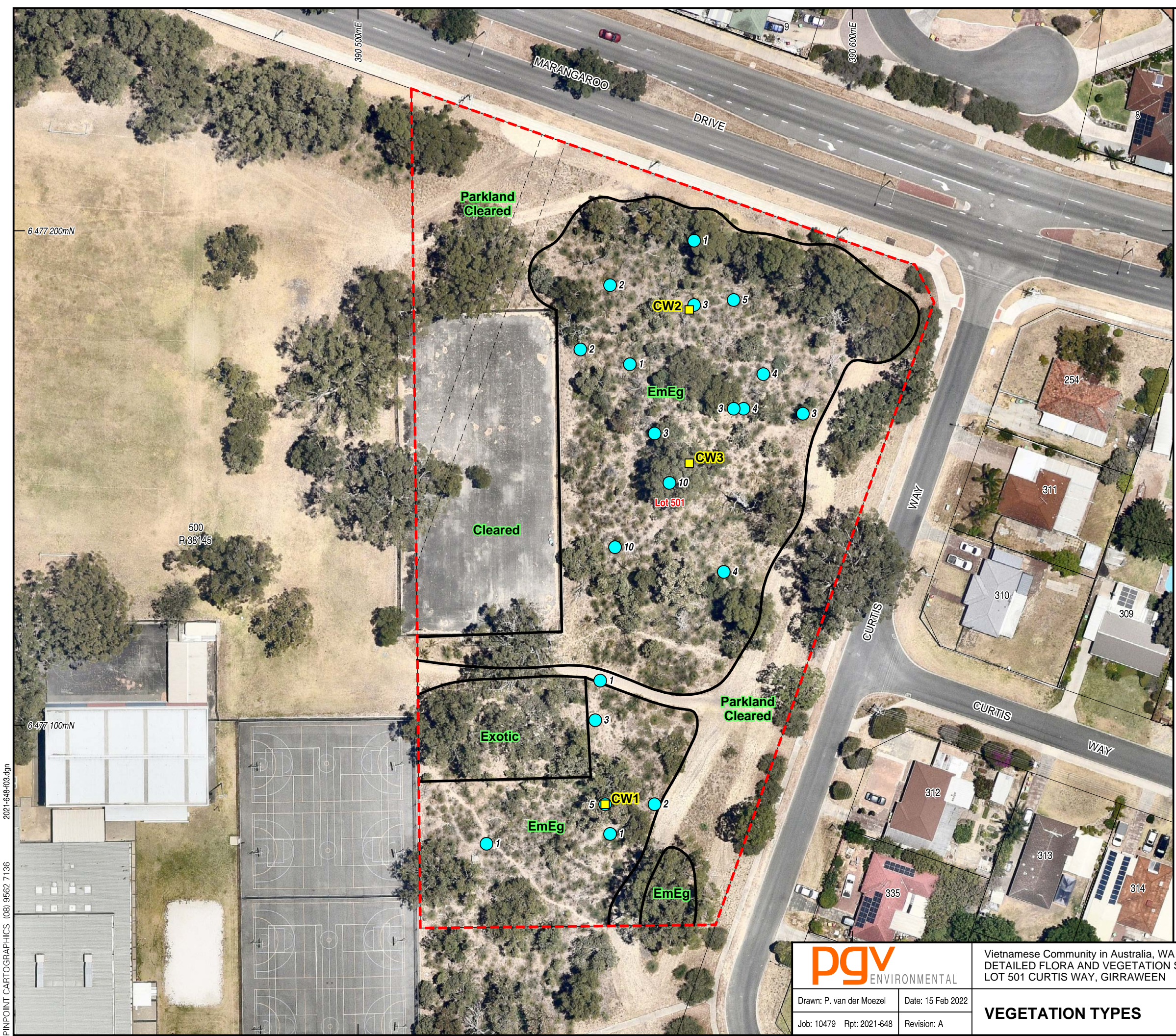
- Legend**
- Site Boundary
 - Cadastral Boundary
 - - - Easement Boundary
 - Topographic Contour

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

pgv ENVIRONMENTAL	
Drawn: P. van der Moezel	Date: 15 Feb 2022
Job: 10479 Rpt: 2021-648	Revision: A

Vietnamese Community in Australia, WA Chapter DETAILED FLORA AND VEGETATION SURVEY LOT 501 CURTIS WAY, GIRRAWEEEN	
SITE BOUNDARY AND TOPOGRAPHY	

Figure 2



- Legend**
- Site Boundary
 - Cadastral Boundary
 - - - Easement Boundary
 - Quadrat Location
 - Vegetation Type Boundary
 - Em Vegetation Type
- Priority Plant Species**
- *Jacksonia sericea* Location
 - 5 Number of Plants

Vegetation Types

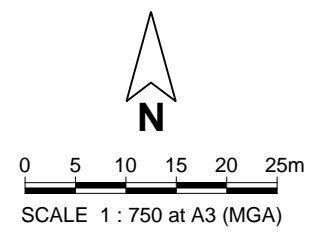
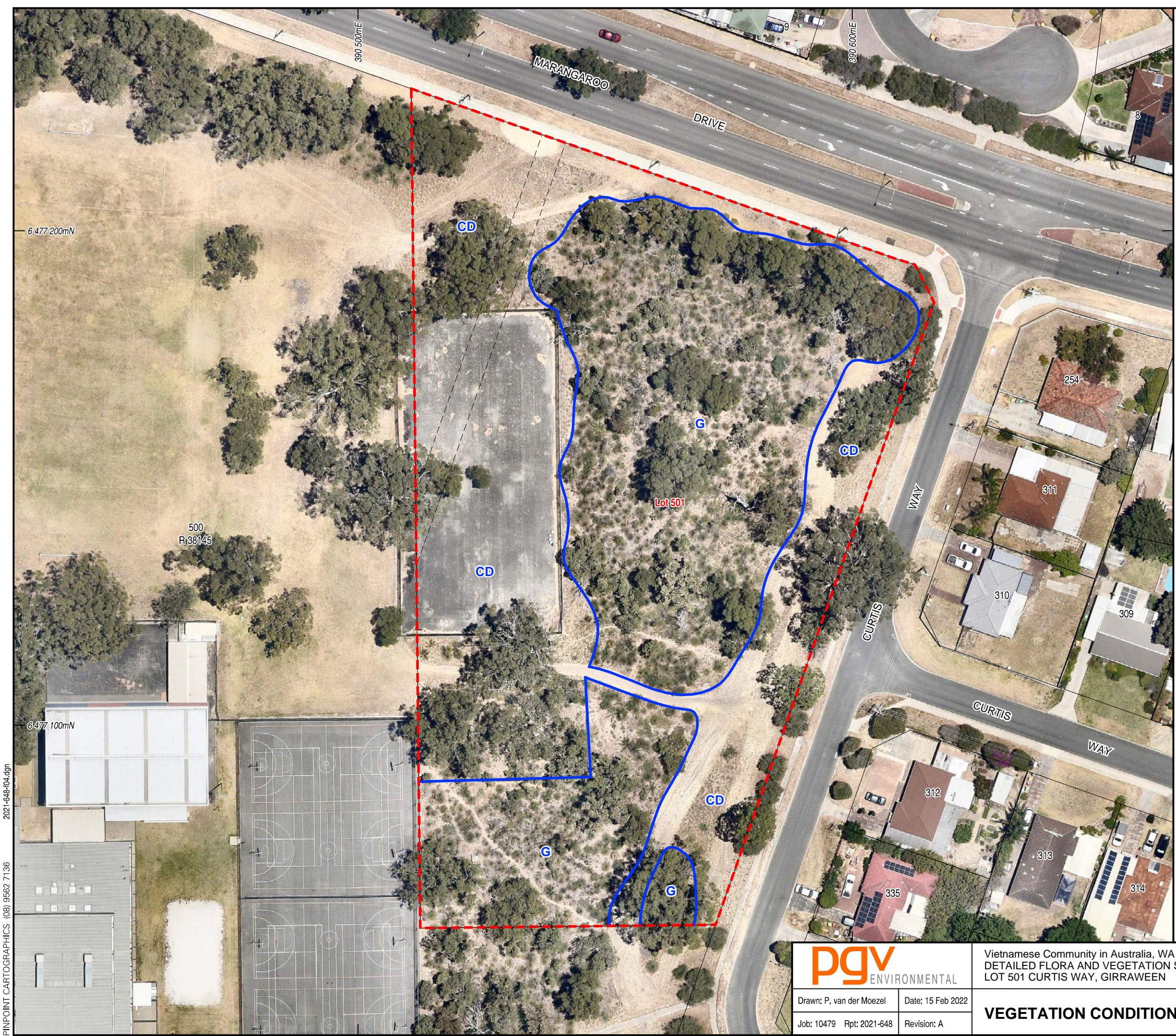
EmEg
Eucalyptus marginata/*E. gomphocephala* Woodland over
Banksia attenuata Low Open Woodland over
Xanthorrhoea preissii Shrubland

CADASTRAL SOURCE: Landgate, February 2022.
AERIAL PHOTOGRAPHY SOURCE: NearMap, flown December 2021.

		Vietnamese Community in Australia, WA Chapter DETAILED FLORA AND VEGETATION SURVEY LOT 501 CURTIS WAY, GIRRAWEEEN	
Drawn: P. van der Moezel	Date: 15 Feb 2022	VEGETATION TYPES	
Job: 10479 Rpt: 2021-648	Revision: A		

Figure 3

PINPOINT CARTOGRAPHICS (08) 9562 7136 2021-648-103.dgn



- Legend**
- Site Boundary
 - Cadastral Boundary
 - - - Easement Boundary
 - Vegetation Condition Boundary
 - G 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.

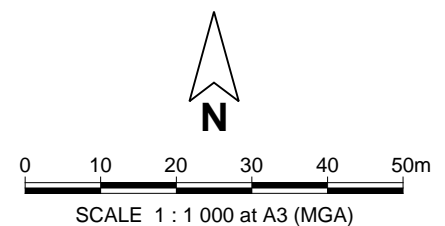
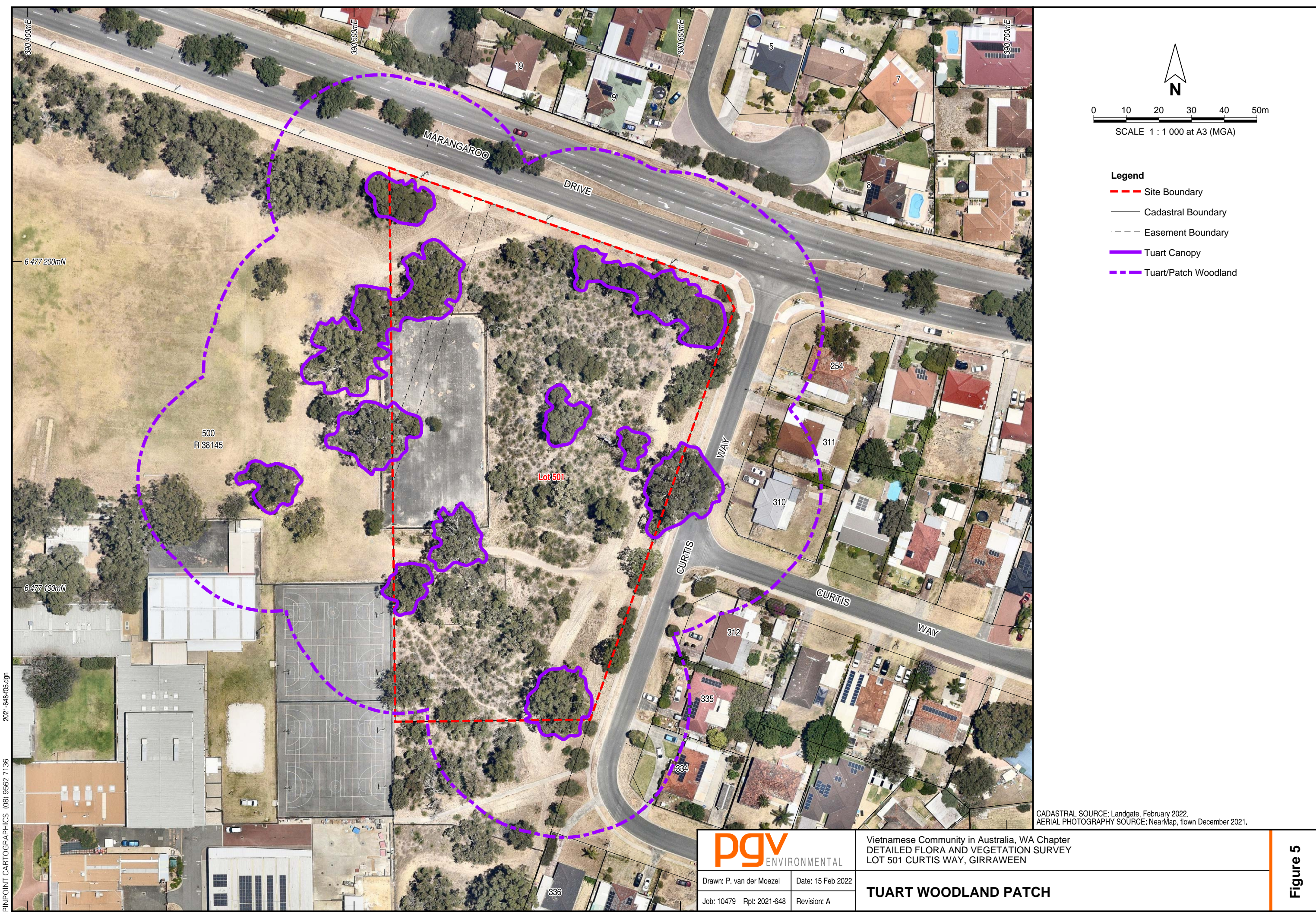
CD - Completely Degraded
The structure of the vegetation is no longer intact and the areas is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora composing weed or crop species with isolated native trees or shrubs.

CI - Cleared
No native vegetation remaining.

CADASTRAL SOURCE: Landgate, February 2022.
AERIAL PHOTOGRAPHY SOURCE: NearMap, flown December 2021.

		Vietnamese Community in Australia, WA Chapter DETAILED FLORA AND VEGETATION SURVEY LOT 501 CURTIS WAY, GIRRAWEEEN	
Drawn: P. van der Moezel	Date: 15 Feb 2022	VEGETATION CONDITION	
Job: 10479 Rpt: 2021-648	Revision: A		

Figure 4



- Legend**
- Site Boundary
 - Cadastral Boundary
 - - - Easement Boundary
 - Tuart Canopy
 - - - Tuart/Patch Woodland

CADASTRAL SOURCE: Landgate, February 2022.
AERIAL PHOTOGRAPHY SOURCE: NearMap, flown December 2021.

		Vietnamese Community in Australia, WA Chapter DETAILED FLORA AND VEGETATION SURVEY LOT 501 CURTIS WAY, GIRRAWEEEN	
Drawn: P. van der Moezel	Date: 15 Feb 2022	TUART WOODLAND PATCH	
Job: 10479 Rpt: 2021-648	Revision: A		

Figure 5

APPENDIX 1

DBCA Flora Database Searches

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
720	8273553	3237	Acacia benthamii	2	Slender erect open shrub 70 cm high x 50 cm wide. In bud.	Slope above creek. Grey sand.	Degraded Tuart open woodland over Banksia low woodland.	scattered shrubs.		Bennett Brook, just S of Tonkin Highway	UNK	2	8/07/2007
721	8598320	3237	Acacia benthamii	2	Spindly shrub, 1 m high x 0.5 m wide.	Consolidated sand dune (Quindalup - Spearwood Dunes boundary). Light brown sand, leaf litter over Tamala Limestone. Area burnt > 5 years ago.	Woodland of Banksia menziesii, B. attenuata, Eucalyptus marginata, Allocasuarina fraseri (FCT 28). Associated species: Hibbertia hypericoides, Jacksonia sternbergiana, Opercularia vaginata, Orthrosanthus laxus var. laxus, Ricinocarpus glaucus, Schoenus c	2 plants only.		Hepburn Heights Bushland Padbury, N boundary	GPS	1	9/09/2013
724	920320	3237	Acacia benthamii	2						E [of] Wanneroo	AUTO	3	23/09/1965
731	718297	3237	Acacia benthamii	2						East Wanneroo	AUTO	3	23/09/1965
735	7622090	3237	Acacia benthamii	2		Flat, sand.	Areas of degraded - modified remnant jarrah woodland and weed dominated areas.			Kingsway Sporting Complex, Hepburn Avenue, Madeley, City of Wanneroo	UNK	2	22/11/2005
747	703656	3237	Acacia benthamii	2						Wanneroo	MAN	0	/09/1975
748	169579	3237	Acacia benthamii	2		Sand.				Woodville [Almost surely Woodvale in W.A.: R.S. Cowan].	MAN	1	/09/1901
3283	6843697	14129	Acacia oncinophylla subsp. oncinophylla	3	Single stemmed shrub to 1.8 m senescent.	On rocky clay.	With Hakea lissocarpa, Casuarina humilis.			Susannah Brook, end of Padbury Road, Upper Swan	UNK	3	3/09/1980
5730	8256136	18195	Amanita carneiphylla	3	Pileus up to 165 mm diameter, white, hemispheric when young applanate when mature, non-strate appendiculate margin, slightly viscid, no odour, context white, unchanging. Universal veil on the pileus: white, adnate, initially covering the whole pileus the	On Karrakatta sand. Emerging from deep sand.	Degraded Banksias woodland. Species of plants nearby: Jacksonia furcellata.	3 collected.	Microscopic character details housed with specimen. Gill piece taken for sequencing 27.1.13. - E. Davison.	Caversham	UNK	3	15/06/2002
5751	8347352	43543	Amanita fibrilloses	3		In sand, with litter.	In degraded bushland, nearby Melaleuca preissiana.			Whiteman Park	GPS	1	18/06/2006
5837	8776229	48332	Amanita preissii	3	Cap: 32 -59 mm, convex to planar, largest specimens have shallow central depressions. Surface dry, white to ochre/cinnamon with irregular flat scraps of universal veil over it, these are densest at the centres of the caps, but there are none on the large		Mixed introduced plants and grasses interspersed with gum trees.			In park area bounded by Beach Road, Wanneroo Road, Glenfinnan Court and Inveraray Crescent in Hamersley	TOPO	1	30/05/2010
5838	8776237	48332	Amanita preissii	3	The cap was 71 mm in diameter and planar in shape. It was white in colour with pale cinnamon scurf to thin patches of universal veil over it. The cap margin was smooth and slightly appendiculate. The gills were succeeding to free, closely spaced with at	Growing in sandy soil.		single fruiting body.		Lightning Swamp	TOPO	2	8/07/2007

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
5839	7667485	48332	Amanita preissii	3	1. strong characteristic cauliflower odour; 2. pileus occasionally with light ochraceous-buff colour but dominantly white, white throughout certainly when young, light ochre-buff discolouration also occurring in context of stipe and bulb in age; context		Jarrah / Banksia woodland. Eucalyptus marginata, Banksia sp.		A diagnostic description provided by E.M. Davison is housed with this specimen.	Warwick Urban Bushland (Open Space), Warwick	TOPO	3	1/07/2001
5840	7667493	48332	Amanita preissii	3	1. Conspicuous napiform bulb with marginate edge; 2. lamellar edges conspicuously white-fimbriate; 3. fruitbody white throughout except bulb with few ochraceous or pale salmon stains; 4. spores elliptic, amyloid. Mode of Life: unknown Odour: strong caulif	Deeply in ground.	Jarrah / Banksia woodland. Eucalyptus calophylla, E. marginata, Banksia sp.	solitary.	A diagnostic description provided by E.M. Davison is housed with this specimen.	Warwick Urban Bushland (Open Space), Warwick	TOPO	3	1/07/2001
6730	8497257	11957	Anigozanthos humilis subsp. chrysanthus	4	In flower.	Crest - upper slope with grey sand.	Associated species: Pinus pinaster, Eucalyptus tottiana, Adenanthos cygnorum, Nuytsia floribunda, Alexgeorgea nitens, Hibbertia subvaginata, Scholtzia involucrata.		Condition of population: healthy. Potential threats: mining.	Gnangara pine plantation	GPS	1	16/09/2005
6778	8772584	11957	Anigozanthos humilis subsp. chrysanthus	4	Perennial herb, 0.3 m high x 0.2 m wide. Flowers yellow.	Slope with white to grey sand. Underlying geology: Bassendean Dune System.	Eucalyptus tottiana isolated mid mallee trees over Banksia attenuata, Banksia menziesii and Nuytsia floribunda sparse low woodland over Verticordia nitens, Beaufortia elegans, Jacksonia floribunda.	2 plants.		W of St Patrick Road, Ellenbrook	GPS	1	24/09/2014
6779	8772614	11957	Anigozanthos humilis subsp. chrysanthus	4	Perennial herb, 0.3 m high x 0.2 m wide. Flowers yellow.	Slope with white / grey / yellow sand. Underlying geology: Bassendean Dune System.	Banksia attenuata and Banksia menziesii low woodland to sparse low woodland over Calytrix fraseri (Ellenbrook form), Verticordia nitens and Beaufortia elegans sparse mid shrubland over Alexgeorgea nitens and Desmodcladus flexuosus sparse low rushland.	2 plants.		W of Beechboro Road North, S of Baal Street, Cullacabardee	GPS	1	24/09/2014
7850	5166071	35317	Austrostipa mundula	3			Tuart woodland.			Yanchep Road,	AUTO	4	/08/1963
8154	8339988	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Shrubs to 1.6 m, the branches somewhat layered. Petals white.	Sand over limestone.	Tuart woodland.	frequent.		Star Swamp Bushland Reserve, on track E of Mary St, Marmion	GPS	1	27/12/2009
8156	3378667	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Erect shrub ca 2 m high. Petals white, pink-tinged underneath, with a deep pink band across the base; sepals pink; centre green or yellow.	Growing in sand with outcropping limestone on the upper W slopes of a limestone hill.			Abundance: Only 2 plants.	State Housing area S of Wittington Avenue and W of Cromford Way, Carine	MAN	0	27/06/1982
8157	3378632	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Open shrub 1 m high. Flowers white.	Soil - sand (dry).				Trichet Road, Wanneroo	AUTO	3	9/12/1981
8158	3378047	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1		Yellow sand over limestone sea cliffs.				North Beach	AUTO	3	/12/1957

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
8159	3378640	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Tall compact-straggly shrub, 2 m high. Flowers white.	Grey sand. Hill side.	Banksia woodland.			Trischett Road, SW of Jandabup Lake, Wanneroo	MAN	0	21/12/1981
8160	5378826	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1			Banksia woodland with scattered jarrah and tuart, tuart woodland, paperbark woodland over ephemeral wetland, various shrublands.			N of Mary Street, Star Swamp Bushland Reserve, North Beach,	MAN	0	5/03/1986
8163	5378834	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1			Banksia woodland with scattered jarrah and tuart, tuart woodland, paperbark woodland over ephemeral wetland, various shrublands.		87.	Star Swamp Bushland Reserve, North Beach,	MAN	0	10/02/1986
8165	5378842	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1			Banksia woodland with scattered jarrah and tuart, tuart woodland, paperbark woodland over ephemeral wetland, various shrublands.		common in northern part of the reserve, especially in more open Tuart woodland.	Star Swamp Bushland Reserve, North Beach,	MAN	0	/01/1986
8166	3416089	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1						Wanneroo	AUTO	3	/11/1901
8170	9139419	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Upright shrub to 2 m. White flowers.	Flat, sandy soil. Limestone.	Vegetation dominated by Banksia sessilis and Baeckea sp.	extensive population, 2307 plants recorded.		Neerabup, to S of Water Corporation's treatment plant	GPS	1	26/09/2017
8171	9139540	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Upright shrub to 2 m. White flowers.	Flat, sandy soil.	Banksia woodland.	7 plants.		Nanika Park, along Nanika Crescent, Neerabup	GPS	1	28/09/2017
8173	8443122	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	Erect shrub 1 m high x 1 m wide.	Limestone outcrop/ridge. Yellow sand. Sand derived from Tamala Limestone - Spearwood Dune System. Limetone. Burnt 5+ years.	Heath thickets in good condition. Banksia sessilis var. cygnorum, Spyridium globulosum, Acacia rostellidera, Calothamnus quadrifidus, Melaleuca systena, Hibbertia hypericoides, Lechenaultia linarioides, Conostylis candicans subsp. candicans, Pelargonium	widespread on limestone, 100+ plants.		Edgewater Quarry, bound by Joondalup Drive, Treetop Avenue and Regatta Drive, City of Joondalup	GPS	1	17/09/2012
11165	2434393	48689	Bolboschoenus fluviatilis	1		On bank of river in mud.				Bassendean	AUTO	3	20/01/1954
11166	8210179	48689	Bolboschoenus fluviatilis	1	Perennial erect rhizomatous herb 2.0 m high x 0.6 m wide. Brown flowers.	Hillside/seep. Grey wet sand. Collection site: reserve.	Tall trees. With Lantana sp., Eucalyptus rudis.	6-20 plants. Area: 1-10 m squared.		Riverside - Swan River, Success Hill Reserve	GPS	1	20/11/2008
12674	255947	1596	Caladenia huegelii	T						Gnangara,	MAN	3	19/09/1945
12685	6053297	1596	Caladenia huegelii	T	Orchid 0.6 m high x 0.1 m wide.	Plain. Organic litter, grey sand over sand.	Low Forest A. Banksia menziesii, B. attenuata.	occasional.		Lightning Swamp, Malaga	MAN	3	4/09/2000
13142	7215363	45757	Calectasia elegans	2	Herbaceous perennial shrub ca 40 cm x 50 cm in height with multiples stems and stilted roots. Flowers blue and fading to white.	On gentle slope above dampland, deep grey quartz sand. Last fire ca 20-30 years ago.	Banksia menziesii - Banksia attenuata - Banksia woodland (30-50% cover < 6m in height) over Regelia inops (2-10% cover <1.2 m in height) mixed low shrubs (10- 30% cover <0.5 m in height) rushes, sedges, perennial monocots (10-30%) and herbs-grasses (2-10	only two plants found.		ca 300 m E of Perry Road in Chitty Road bushland (Bush Forever Site No. 398), Pinjar (City of Wanneroo)	GPS	1	8/11/2005
13143	8008213	45757	Calectasia elegans	2	Small compact shrub to 30 cm high and 30 cm wide. mature fruit present.	Flat to gentle slope. Grey sand.	With Banksia attenuata, Banksia menziesii, Stirlingia latifolia.			Ca 300 m E of Perry Road within Chitty Road Nature Reserve. Pinjar, City of Wanneroo	GPS	1	11/12/2008
13145	8617767	45757	Calectasia elegans	2	Erect perennial subshrub to c. 45 cm high. Typical purple flower with red anthers; stilt roots present; plants in full flower.	Flat plain with deep grey sand. Long unburnt area.	Low Banksia woodland with moderately dense vegetation. Associated species: Banksia spp., Stirlingia latifolia, Melaleuca spp., Eremaea spp., Hibbertia spp., Leucopogon spp.	several populations in this vicinity of 2 or 3 plants.		Melaleuca State Forest, ca 380 m W of powerline track, ca 2.7 km S from the intersection of Neaves and Gallagher Roads	GPS	1	16/09/2008
13146	8617740	45757	Calectasia elegans	2	Erect perennial subshrub to c. 45 cm high. Typical purple flower with red anthers; stilt roots present; plants in full flower.	Flat plain with deep grey sand. Long unburnt area.	Low Banksia woodland with moderately dense vegetation. Associated species: Banksia spp., Stirlingia latifolia, Melaleuca spp., Eremaea spp., Hibbertia spp., Leucopogon spp.	several populations in this vicinity of 2 or 3 plants.		Melaleuca State Forest, ca 170 m W of powerline track, ca 800 m S from the intersection of Neaves and Gallagher Roads	GPS	1	16/09/2008

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
13147	8008140	45757	Calectasia elegans	2	Small shrub.	Grey sand.	Associated species: Adenanthos cygnorum subsp. cygnorum, Jacksonia floribunda to 2.5 m, 20% cover, Beaufortia elegans to 1.7 m, 15% cover, Eremaea pauciflora subsp. pauciflora, Leucopogon conostephoides, Nuytsia floribunda to 0.9 m, 10% cover.	uncommon.		Gnangara - Moore River State Forest, Melaleuca Block, 10 m W of Walton Road, 190 m N from intersection of corner of Warbrook and Walton Road, 10.3 km SW from Bullsbrook, GSS site PC1C	GPS	1	11/09/2008
13148	8008132	45757	Calectasia elegans	2	Small shrub.	Grey sand.	Associated species: Banksia attenuata, Nuytsia floribunda to 5 m, 10% cover, Jacksonia floribunda, Adenanthos cygnorum subsp. cygnorum to 1.6 m, 5% cover, Verticordia nitens to 1.5 m, 2% cover.	uncommon.		Gnangara - Moore River State Forest, Melaleuca Block, 130 m E of St Patrick Road, 25 m S from intersection of corner of Warbook Road and St Patrick Road, 11 km SW of Bullsbrook, GSS site PC4A	GPS	1	11/09/2008
14181	5392977	759	Carex tereticaulis	3	Grass like herb 1 m high x 0.1 m wide.	Watercourse, wet. Organic litter. Grey Bassendean Sand over sand.	Dense Forest. Eucalyptus rudis, Melaleuca raphiophylla.	occasional.		Pyrton, 200 m E of Lord Street,	MAN	0	17/05/1999
15687	2052121	1425	Conostylis bracteata	3	Loosely tufted herb, leaves in flattened fascicles, margins with white appressed to spreading plumose hairs.	Swale in undulating consolidated dunes, some outcropping limestone.	In coastal scrub of Dryandra sessilis, Acacia saligna, A. xanthina, Xanthorrhoea preissii, Banksia attenuata, Melaleuca acerosa.			Mullaloo, c. 1 km inland, recreation reserve W of intersection of Waltham and Gunida Streets	AUTO	3	16/08/1986
15688	2052091	1425	Conostylis bracteata	3	Proliferous herb, leaves with hirsute, not spinescent margins.	On steep slope of consolidated sand dune.	Overlooking Blackboy Reserve, Acacia saligna scrub over dense low heath to 1m, on fringes of remnant tuart (Eucalyptus gomphocephala) woodland. Associated species include Xanthorrhoea and Banksia attenuata.			Vacant block, 47 Karalundie Way, Mullaloo, c. 1 km inland	MAN	0	29/03/1986
15689	5305691	1425	Conostylis bracteata	3	Perennial herb, flowers yellow.	Plain near lake. Grey sand.	Jarrah with Banksia attenuata, B. menziesii, Burchardia congesta, Hibbertia hypericoides, Acacia spp., Ehrharta calycina.	occasional.		Remnant Banksia woodland (Block 9471), ca 2 km S of Burns Beach Road, E side of Lake Joondalup, Yellagonga Regional Park,	MAN	0	6/11/1997
15691	5931436	1425	Conostylis bracteata	3		Top of sand dune.				Mullaloo	MAN	3	19/11/1962
15693	1744321	1425	Conostylis bracteata	3	Loosely tufted herb to 80 cm diameter; leaf margins with white plumose appressed hairs <1 mm long; perianth 10-12 mm long, pale yellowish green outside, golden yellow inside tube, lobes cream inside, becoming golden yellow at base and near apex, conspicu	E slopes of a consolidated sand dune.	Low heath of Acanthocarpus preissii, Acacia lasiocarpa.		Rendered extinct by housing development on August 17.	Kallaroo, 25 km NNW of Perth; 50 m SSW of Juno Crescent on the verge of Dampier Avenue	MAN	0	16/08/1986
16445	256935	13826	Cyanicula ixioides subsp. ixioides	4						Upper Swan	MAN	3	/09/1913
16519	1030507	16245	Cyathochaeta teretifolia	3		Swamp.	Habitat of Gahnia.			Bayswater.	AUTO	3	/12/1901
16523	4096711	16245	Cyathochaeta teretifolia	3						Bayswater, Lower Swan River	AUTO	3	6/12/1902
16524	8122342	16245	Cyathochaeta teretifolia	3		Sandy loam.	Melaleuca preissiana to 7.0 m, 10% cover, over Xanthorrhoea preissii, Banksia ilicifolia to 5.0 m, 20% cover, over Pultenaea reticulata, Astatea scoparia to 1.8 m, 10% cover, over Hypocalymma angustifolium to 0.7 m, 10% cover, over Mixed to 0.2 m, 10% co			Gnangara-Moore River State Forest, Melaleuca Block, 130 m W of a point 320 m N of intersection of Quicke Road and St Patrick Road, Bullsbrook, 13.8 km ENE of Wanneroo, GSS site 19B	GPS	1	26/10/2008
16528	4219260	16245	Cyathochaeta teretifolia	3	Rhizomatous sedge, clumped 1.5 m high.	Seasonal creek line.	Low open forest of Melaleuca preissiana. Growing with Astartea fascicularis, Agonis linearifolia, Viminaria juncea.	common locally.	(DPU 003)	Whiteman Park	MAN	0	3/08/1995
16530	4097394	16245	Cyathochaeta teretifolia	3	Perennial herb up to 2 m tall, clumped.	On grey sandy clay on seasonally wet slope beside permanent lake.	In Melaleuca preissiana and Eucalyptus rudis Open Low Woodland A over Aotus gracillima and Astartea aff. fascicularis Heath A over Herbs, Very Open Tall Sedges and Open Low Sedges.			Site 02, Gnangara	MAN	0	//
16534	2076802	16245	Cyathochaeta teretifolia	3	Tall grass like plant 1 m high.	In peat swamp.				8.38 km N along Galacher Road off Neeves Road	MAN	0	7/02/1980

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16536	4654773	16245	Cyathochaeta teretifolia	3	Perennial herb up to 2 m tall, clumped.	On grey sandy clay on seasonally wet slope beside permanent lake.	In Melaleuca preissiana and Eucalyptus rudis Open Low Woodland A over Aotus gracillima and Astartea aff. fascicularis Heath A over Herbs, Very Open Tall Sedges and Open Low Sedges.			Site 02, Gngangara	MAN	0	//
16538	6529887	16245	Cyathochaeta teretifolia	3	Sedge, 0.6-1.6 m.	Lower part of floor of dampland complex.	Melaleuca preissiana, Banksia littoralis low open woodland over Melaleuca teretifolia high open shrubland over Melaleuca lateralis, Astartea aff. fascicularis shrubland to heath over Lepidosperma longitudinale, Baumea rubiginosa dense sedgeland. Dominant			Site ML29, N of Gngangara Road, NE section of Lot 47 Lexia Avenue, locality of Ellenbrook	GPS	1	21/08/1999
16542	6570240	16245	Cyathochaeta teretifolia	3	Tufted perennial herb to 1.5 m.	Edge of seasonal wetland, gentle slope, north aspect, dark brown loam over red sand with limestone, well drained.	Associated species: Eucalyptus calophylla.			Cardinal Drive Bushland (Bush Forever Site 23) approx. 200 m N Bordeaux Road (adjacent to System 6 Update quadrat vines01) Ellenbrook Bushland	GPS	1	3/11/1995
16543	6527930	16245	Cyathochaeta teretifolia	3	Sedge.	Site description: gently sloping to flat area.	Melaleuca preissiana, Banksia littoralis, low woodland to low open forest (patchy) over Pericalymma ellipticum var. ellipticum heath to closed heath over sedges.			Site ML36M ,N of Gngangara Road, SW side of Lot 47 Lexia Avenue, locality of Ellenbrook	GPS	1	6/09/1999
16544	6427774	16245	Cyathochaeta teretifolia	3	Tufted perennial herb, flowers straw colour.	Damp margin of lake, flat ground, grey sand with clay, poor drainage, wet during winter/spring.	Open Low Woodland A. Associated species: Melaleuca preissiana, Eucalyptus rudis.			E of Lake Gngangara in System 6 Update quadrat gnan02 (System 6 Area M8, Bush Forever Site 193)	GPS	1	27/10/1994
16545	6527914	16245	Cyathochaeta teretifolia	3	Sedge.	Site description: a thin strip at a change in slope where there has probably been seepage. Soil: has a deep humus layer.	Corymbia calophylla over Agonis linearifolia high open shrubland over Xanthorrhoea preissii open shrubland. Zantedeschia aethiopica (young) established here.			Site ML44A, N of Gngangara Road, SE side of Lot 47 Lexia Avenue, locality of Ellenbrook	MAN	2	28/09/1999
16547	6808077	16245	Cyathochaeta teretifolia	3	Grass like or sedge.		Low forest, Melaleuca preissiana, Astartea fascicularis, Hypocalymma angustifolium, Banksia littoralis.			Gngangara Mound	MAN	3	2/12/2002
16552	4098374	16245	Cyathochaeta teretifolia	3	Perennial herb up to 2 m tall, clumped.	On grey sandy clay on seasonally wet slope beside permanent lake.	In Melaleuca preissiana and Eucalyptus rudis Open Low Woodland A over Aotus gracillima and Astartea aff. fascicularis Heath A over Herbs, Very Open Tall Sedges and Open Low Sedges.			Site 02, Gngangara	MAN	0	//
16932	8190518	7485	Dampiera triloba	3		Loamy sand.	Melaleuca priessiana, Corymbia calophylla to 9.0 m, 5% cover, over Astartea scoparia to 2.1 m, 25% cover, over Hypocalymma angustifolia to 1.0 m, 40% cover, over Patersonia occidentalis, Hypochaeris glabra, Trachymene pilosa to 0.7 m, 10% cover, Lepidosp			Crown Reserve 8399, Lake Gngangara Park, 30 m W towards lake from track, 900 m N of a point in the recreation area 630 m N of intersection of Gngangara Road and Alexander Drive Gngangara, 7.5 km SE of Wanneroo, GSS site GN1	GPS	1	24/09/2009
16936	2554658	7485	Dampiera triloba	3						Bayswater	AUTO	3	/10/1900
16937	2554631	7485	Dampiera triloba	3						Bayswater, Lower Swan River	AUTO	3	06/12/1899
16940	2554682	7485	Dampiera triloba	3						Gngangara	AUTO	3	/10/1945
16941	8138869	7485	Dampiera triloba	3	Erect perennial.	Loamy sand.	Melaleuca preissiana, Corymbia calophylla to 9 m, 5% cover, astartea scoparia to 2.1 m, 25% cover, Hypocalymma angustifolia to 1 m, 40% cover, Patersonia occidentalis, Hypochaeris glabra, Trachymene pilosa to 0.7 m, 10% cover, Lepidosperma striatum to 1.			Crown Reserve 8399, Lake Gngangara Park, 30 m W towards lake from track, 900 m N of a point in the recreation area, 630 m N of intersection of Gngangara Road and Alexander Drive, Gngangara, 7.5 km SE of Wanneroo, GSS site GN1	GPS	1	28/09/2008
17335	1026712	5523	Darwinia pimelioides	4						Jane Brook.	MAN	3	//
17337	1026747	5523	Darwinia pimelioides	4	Small shrub; spreading 8" - 12" tall; bracts pale green, uniform in colour.					Jane Brook, John Forrest National Park.	MAN	3	23/10/1959
17353	1026704	5523	Darwinia pimelioides	4						Jane Brook	MAN	3	30/08/1930
19482	7881274	31233	Drosera patens	1	Fibrous rooted perennial herb with a solitary, compact leafy rosette, 1.8-2.5 cm diam.	On the margin of swamps, lakes and winter wet depression in sandy soils.				NW shore of Lake Gngangarra	TOPO	2	17/01/1998

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19483	7881312	31233	Drosera patens	1						Pinjar Road, Wannereroo	UNK	2	19/11/1991
19484	9251553	31233	Drosera patens	1	Rosetted perennial herb to 0.03 m. White flowers with reddish sepals and red anthers.	In drainage depression on edge of walking track in moist fine loamy sand, seasonally wet.	Open shrubland of Astartea ?affinis, Eutaxia virgata, Pericalymma ellipticum, Hypocalymma angustifolium over sedgeland of Leptocarpus ?scariosus and Schoenus subfascicularis. Associated species include Thysanotus multiflorus, Ornduffia albiflora, Melaleu	500+ plants.		Waypoint 3052. On a perimeter walking track on the NE corner of Lake Gngangara, Crown Reserve 27279, Sydney Road, Gngangara	GPS	1	7/01/2020
19485	9251596	31233	Drosera patens	1	Rosetted perennial herb to 0.03 m. White flowers with reddish sepals and red anthers.	In drainage depression on edge of walking track in moist fine loamy sand, seasonally wet.	Open shrubland of Astartea ?affinis, Eutaxia virgata, Pericalymma ellipticum, Hypocalymma angustifolium over sedgeland of Leptocarpus ?scariosus and Schoenus subfascicularis. Associated species include Thysanotus multiflorus, Ornduffia albiflora, Melaleu	500+ plants in a linear 0.5 m x 5 m area.		Waypoint 3050. On a perimeter walking track on the NE corner of Lake Gngangara, Crown Reserve 27279, Sydney Road. Gngangara	GPS	1	7/01/2020
19486	7881282	31233	Drosera patens	1						Lake Gngangarra	TOPO	2	31/01/1992
19569	7579152	30712	Drosera x sidjamesii	1						Shores of Lake Gngangarra [Gngangara]	TOPO	2	17/01/1998
19570	7579101	30712	Drosera x sidjamesii	1						Pinjar Road, Wannereroo	GPS	1	4/12/1984
19571	7881525	30712	Drosera x sidjamesii	1						Pinjar Road, Wannereroo	UNK	2	4/12/1984
19572	7881533	30712	Drosera x sidjamesii	1						Shores of Lake Gngangarra, N of Perth	TOPO	2	17/01/1998
19573	8723303	30712	Drosera x sidjamesii	1		Grows on the northern margins of lake.				Lake Gngangarra, Wannereroo	TOPO	2	5/02/1985
19574	7881517	30712	Drosera x sidjamesii	1	A natural hybrid, fibrous rooted perennial herb.	On margins of swamps, lakes and winter wet depressions in sandy soil.				Northern shores of Lake Gngangarra	TOPO	2	31/03/1992
19575	9251537	30712	Drosera x sidjamesii	1	Rosetted perennial herb to 0.06 m. Long scape with +/- 9 flowers per scape. White petals (to translucent pink).	In drainage depression on edge of walking track in moist fine loamy sand, seasonally wet.	Sedgeland of Leptocarpus ?scariosus, Schoenus subfascicularis with few Astartea ?affinis, Hypocalymma angustifolium.	50+ plants.		Waypoint 3055. On a perimeter walking track on the NE corner of Lake Gngangara, Crown Reserve 27279, Sydney Road, Gngangara	GPS	1	7/01/2020
21558	6512283	41801	Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)	3	Erect annually renewed herb; flowers green/white/purple.	Dampland; grey sand.	Melaleuca shrubland.	locally common.		Wetland area to the N of quadrat Vines 01, W Vines residential area. Shire of Swan (Bush Forever Site 23)	GPS	1	3/11/1995
25546	5939658	20162	Fabronia hampeana	2	Fertile moss.	On trunk of Macrozamia.	Emergent large Banksia over Macrozamia, Hibbertia, Xanthorrhoea, grasses, weeds and thick Dryandra regrowth.			Between Neerabup National Park and developing suburb of Kinross, 28 km NNW of Perth	MAN	3	14/09/1994
28703	6512836	1984	Grevillea curviloba	T	Spreading shrub to 1 m.	Edge of seasonal wetland, gentle slope, N aspect. Dark brown loam over red sand with limestone, well drained.	Associated species: Eucalyptus calophylla.			Cardinal Drive Bushland (Bush Forever Site 23). c. 200 m N Bordeaux Road (adjacent to System 6 Update quadrat vines 01) Ellenbrook Bushland	GPS	1	3/11/1995
28722	5492963	1984	Grevillea curviloba	T	Woody shrub to 3 m high. Erect branches. Mid pale green leaves, cream flowers.	Flat, near shallow seasonal creekline. Grey sand.	Shrubland/Sedgeland. Characteristic species: Hakea varia.			Ellenbrook,	MAN	0	15/02/2000
28743	8526656	1984	Grevillea curviloba	T	Erect shrub, 1.5 m tall with white cream flowers.	Drainage line, slope. Moist soil.	Associated species: Corymbia calophylla, Eucalyptus rudis, Xanthorrhoea preissii and Acacia saligna.	3 plants.	Vegetation condition: good.	Western bank of the Sawpit Gully Creek, Sawpit Gully Ellenbrook, c. 500 m N of the intersection of Roxburghe Drive and Tolladine Vista	GPS	1	16/09/2013
28744	5414156	1984	Grevillea curviloba	T	Open, erect shrub 3+ m high x 2+ m wide. Old mature plants, appeared heavily grazed. No lower branches. No pods.	Winter wet creek line. Moist, grey sand.	Open Scrub (very old). Associated species: Acacia saligna, Melaleuca raphiophylla, sedges, Xanthorrhoea preissii, Banksia menziesii.	common locally.		Maralla Road, Muchea, 7 km W from intersection with Railway Parade, S side of road,	TOPO	2	9/09/1998

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28763	9068813	1984	Grevillea curviloba	T	Large shrub to 2 m with white flowers.	Near drainage line.	Occasional Banksia menziesii; over shrubland of Grevillea curviloba subsp. curviloba, Xanthorrhoea preissii, Acacia saligna; over closed sedgeland of Schoenus subfascicularis; over weeds.	occasional.	Leaves similar to G. vestita in this population, but leaf lobes sparsely tomentose with white hairs, not villous with rust coloured hairs as in G. vestita. Floral bracts deciduous, not persistent as in G. vestita.	Unnamed nature reserve (Maralla Road Nature Reserve) R 46875, 60 m S of Maralla Road, 1000 m E of Sawpit Road	GPS	1	21/09/2011
28766	9068740	1984	Grevillea curviloba	T	Shrub to 2 m. White flowers starting to emerge.	In riparian vegetation.	Open woodland of Melaleuca raphiophylla and M. preissiana; over Grevillea curviloba subsp. incurva and Macrozamia riedlei; over closed sedgeland of Schoenus subfascicularis (riparian zone) and weeds.	occasional - 1 plant only.		Maralla Road Nature Reserve (R46875), c. 75 m S of Maralla Road, c. 1 km E of Sawpit Road	GPS	1	17/08/2012
28770	9139915	1984	Grevillea curviloba	T	Perennial shrub to 1.5 m in height, with white/cream flowers. Leaves divided with margins recurved.	Road verge, c. 1 m from edge.	Amongst planted non-endemics, including Leptospermum laevigatum and Eucalyptus spp. dominated by planted Eucalypts.	uncommon.	Individuals were flowering with immature fruits. Individuals were located on southern side of Cardinal Drive, c. 200 m from intersection with Vines Avenue. An additional two plants located at the intersection.	Cardinal Drive, The Vines, ca. 200 m W from intersection with Vines Avenue	GPS	1	14/09/2017
30565	8422710	33737	Grevillea sp. Ocean Reef (D. Pike Joon 4)	1	Erect, spreading shrub. To 1.5 m x 3 m.	Sand dune. Dry brown / grey sand.	Coastal sand scrub with Acacia, Banksia sessilis, Spiridium globulosum, Clematis, Calothamnus, Pelargonium, Dianella, Hardenbergia.	40 - 60 plants (D. Pike November 2008).		Ocean Reef Road, Ocean Reef	GPS	1	15/08/2012

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
30566	7860579	33737	Grevillea sp. Ocean Reef (D. Pike Joon 4)	1	Dense, spreading shrub to 2 m high x 3 m wide. Plants in late flower.	Quindalup dunes. Dry, bare, light yellow-brown sand.	Tall shrubland. With Acacia rostellifera, Dryandra sessilis, Spyridium globulosum.	One apparently clonal population of 40-60 plants.		Ocean Reef, suburb of Perth	GPS	1	/11/2008
30567	8509603	33737	Grevillea sp. Ocean Reef (D. Pike Joon 4)	1	Compact perennial shrub 150 cm high x 200-300 cm wide.	Broad dune swails. Grey shallow sand. Numerous limestone boulders.	Acacia rostellifera, Conostylis sp., Tetraria octandra, Spyridium globulosum, Acanthocarpus preissii, Desmodcladus flexuosus, Phyllanthus calycinus, Dianella revoluta, Lepidosperma sp., Banksia sessilis, Clematis sp., Hardenbergia comptoniana, Rhagodia bac	26-50 plants plus additional 6-10 juveniles within 40 m radius.		Bush Forever Site 325, bounded by Boat Harbour Quay and Ocean Reef Road in Ocean Reef	GPS	1	16/10/2013
30568	8422605	33737	Grevillea sp. Ocean Reef (D. Pike Joon 4)	1	Erect, spreading shrub - clonal. To 1.5 m x 3 m.	Sand dune / gully. Dry brown / grey sand.	Coastal sand scrub with Acacia, Banksia sessilis, Spiridium globulosum, Clematis, Calothamnus, Pelargonium, Dianella, Hardenbergia.	40 - 60 plants (D. Pike November 2008).	Does not appear to set fruit (D. Pike's observation).	Ocean Reef Road, Ocean Reef: between the boat harbour and Ocean Reef Road	GPS	1	6/09/2012
31323	1044567	1469	Haemodorum loratum	3	Bulbous herb. Inflorescence to 2 m, flowers green/brown, scented.	Lateritic loam.	Wandoo woodland.			20 km ESE Muchea.	MAN	0	13/11/1981
33414	8586489	11074	Hydrocotyle striata	1	75 mm high x 300 mm wide.	Winter wet creekline. Light leaf litter on dark brown sandy humic loam. Fire history: < 5 years.	Eucalyptus rudis, Melaleuca raphiophylla, Banksia littoralis creekline. Associated with Lepidosperma longitudinale, Pteridium esculentum, Astartea fascicularis, Muehlenbeckia polybotrya.	Not frequent. Small patches in bare areas.		Whiteman Park, S of Whiteman Drive West	GPS	1	1/12/2012
33420	8840776	11074	Hydrocotyle striata	1	Prostrate annual herb, 6-30 cm in diameter. Leaves with shallow palmate lobing, glabrous, fleshy, up to 13 mm long by 16 mm wide. Stems fine, glabrous, occasionally rooting at the nodes. Flowers in tight orbicular umbels, petals cream, involucre bracts	Winter wet creekline on sandy soil.	Riparian woodland dominated by Melaleuca raphiophylla and Eucalyptus rudis. Associated with Astartea fascicularis, Boronia subsessilis, Lepidosperma longitudinale, Xanthorrhoea sp., Gahnia decomposita. Plants growing with other herbs such as Corybas rec	locally frequent in sheltered positions.		Whiteman Park, 300 m N of Whiteman Drive West	GPS	1	6/11/2016
33645	6528333	17622	Hypolaena robusta	4	Female. Rush, 40-65 cm.	Upper part of the crest of a quite tall dune. Soil: light greyish-brown sand with a pale grey surface in places and a thin litter layer elsewhere.	Banksia attenuata, Banksia menziesii low woodland over scattered Adenanthos cygnorum ssp. cygnorum over Conospermum stoechadis, Jacksonia densiflora open shrubland over Eremaea pauciflora ssp. pauciflora, Stirlingia latifolia, Astroloma xerophyllum, Scho			Site ML35, N of Gnaragara Road, S side of Lot 47 Lexia Avenue, locality of Ellenbrook	GPS	1	1/09/1999
33646	6528341	17622	Hypolaena robusta	4	Male. Rush, 40-65 cm.	Upper part of the crest of a quite tall dune. Soil: light greyish-brown sand with a pale grey surface in places and a thin litter layer elsewhere.	Banksia attenuata, Banksia menziesii low woodland over scattered Adenanthos cygnorum ssp. cygnorum over Conospermum stoechadis, Jacksonia densiflora open shrubland over Eremaea pauciflora ssp. pauciflora, Stirlingia latifolia, Astroloma xerophyllum, Scho			Site ML35, N of Gnaragara Road, S side of Lot 47 Lexia Avenue, locality of Ellenbrook	GPS	1	1/09/1999
34063	3418715	49662	Isopogon autumnalis	3						Bayswater, Lower Swan River	AUTO	3	17/05/1900
34082	1023926	49662	Isopogon autumnalis	3						Bayswater, Lower Swan River	MAN	3	7/05/1900
34652	1131192	4027	Jacksonia sericea	4	Prostrate shrub, 50 cm x 1.5 m diam. Flowers orange-yellow; eye yellow.	Hilltop, sand over limestone.	Banksia low woodland.		Abundant: common.	Ocean Reef Road, Wanneroo, 30 km N Perth	MAN	3	20/01/1988
34653	5437806	4027	Jacksonia sericea	4	Prostrate shrub 0.1 m high, 1 m wide; sterile.	Side of Spearwood Dune, grey sand over deep yellow sand.	Banksia attenuata and B. menziesii woodland.	scattered.		Bushplan Site 463, ca 1 km W of Gnaragara Road in bushland W of Sydney Road	AUTO	3	15/06/1999
34654	5369703	4027	Jacksonia sericea	4			Banksia woodland with scattered jarrah and tuart, tuart woodland, paperbark woodland over ephemeral wetland, various shrublands.			Star Swamp Bushland Reserve, North Beach,	MAN	0	/09/1985

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
34658	1131206	4027	Jacksonia sericea	4	Multistem, prostrate shrub, 30 cm x 1.5 m daim. Flowers orange-yellow.	Flat, grey sand over sand.	Banksia woodland.		Abundant: common.	Trigg Dune Reserve No. 27471, Trigg; 20 km N Perth	MAN	3	2/12/1987
34661	2171449	4027	Jacksonia sericea	4	Low spreading shrub to .3 m high. Brown pods.	In yellowish/brown sand on low ground.	In open woodland over low heath and disturbed areas, with Banksia attenuata, B. menziesii, Gomphlobium aristatum, Xanthorrhoea sp., Eucalyptus gomphocephalum.			NW corner of Ocean Reef road and Joondalup Drive, Woodvale	MAN	0	15/05/1990
34662	1131176	4027	Jacksonia sericea	4	Low spreading shrub 0.5 m high.	Highly disturbed.	Highly disturbed Tuart/Jarrah forest.			Lake Joondalup (Edgewater)	MAN	3	/11/1979
34664	5368928	4027	Jacksonia sericea	4	Flowers summer/autumn.		Banksia woodland with scattered jarrah and tuart, tuart woodland, paperbark woodland over ephemeral wetland, various shrublands.		Unburnt F2/3.	Star Swamp Bushland Reserve, North Beach,	MAN	0	17/07/1987
34673	5988136	4027	Jacksonia sericea	4			Banksia woodland with scattered tuart, jarrah and marri overstorey, tuart woodland, heath and paperbark wetland.		[Plot] B7.	Star Swamp Bushland Reserve, North Beach	MAN	2	23/05/1985
34674	6730620	4027	Jacksonia sericea	4	Shrub 30-60 cm high x 1 m wide. Perennial, prostrate, dense spreading. Flowers orange.	Hillside. Dry sand. Old soil disturbance.	Tuart, Banksia, Allocasuarina woodland.	over 50 plants, quite widespread.		Periwinkle Park, Periwinkle Road, Mullaloo	MAN	3	14/10/2002
34675	6512844	4027	Jacksonia sericea	4	Prostrate shrub to 0.1 m by 0.8 m. Flowers orange.	Sandridge; grey/white sand over limestone.	Low Scrub B.	scattered.		North Williamson Way in bushland in the Charles Riley Reserve, City of Stirling	GPS	1	11/10/1995
34678	6053785	4027	Jacksonia sericea	4	Spreading shrub 0.4 m high x 1 m wide.	Gentle slope. Organic litter. Grey Bassendean sand.	Open Low Woodland A. Acacia saligna, Banksia menziesii.	occasional.		Fauna Rehabilitation Centre, E of Camboon Road and N of Reid Highway, Malaga	MAN	3	6/12/2000
34681	7684096	4027	Jacksonia sericea	4		Slope. Grey sand.	Disturbed area dominated by Adenanthos cygnorum, Jacksonia furcellata and Melaleuca preissiana. Associated species: Ehrharta calycina, Verticordia ? densiflora, Lyginia imberbis, Acacia stenoptera, Hypolaena exsulca, Thysanotus multiflorus.		Healthy population.	Near substation, W of Bullfinch Drive	UNK	2	2/11/2004
34683	7793189	4027	Jacksonia sericea	4		Well drained site on gentle slope with E aspect. Cream sand with pale yellow subsurface sand.	Banksia attenuata, B. menziesii, Allocasuarina fraseriana Low Woodland to Low Open Woodland with scattered emergent Eucalyptus marginata over species rich Shrubland over mixed Sedgeland, Herbland and Grassland.		Potential threats from weeds, disease and recreational activities.	Section KOON H in Koondoola Regional Bushland, Koondoola, bordered by Marangaroo Drive, Alexander Drive, Beach Road and Koondoola Avenue. Section is bordered on W by Koondoola Avenue and on SE by Water Corp Water Tower Boundary.	GPS	1	9/01/1999
34684	7833016	4027	Jacksonia sericea	4	Shrub perennial.	Flat, residential.	Parkland.			Heritage Park	GPS	1	10/11/2005
34687	7885407	4027	Jacksonia sericea	4			In open Banksia woodland of Banksia menziesii, B. grandis with Eucalyptus calophylla and Acacia saligna.			In centre of Shepherds Bush Reserve in Kingsley Park	GPS	3	24/10/1994

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
34691	8001189	4027	Jacksonia sericea	4	Spreading shrub 0.3 m wide with orange flowers.	Residential plain with grey sand.	Low trees and low shrubland with Eucalyptus marginata, Banksia attenuata, Adenanthos cygnorum, Xanthorrhoea preissii, Calytrix fraseri, Mesomelaena pseudostygia, Laxmannia squarrosa, Waitzia suaveolens, Corynotheca micrantha, Alexgeorgea nitens, Conosper	2 - 5.	Alien species: Gladiolus caryophyllaceus, Ehrharta calycina, Briza maxima, Pentaschistis airoides, Pelagonium capitatum, Ursinia anthemoides. Infestation area: 1 - 10 m2.	Directly N of Gngangara Road, Landsdale (approximately 17 km N of Perth)	GPS	1	12/11/2008
34692	8148511	4027	Jacksonia sericea	4	50 cm.	Slope. Recently burnt.	Woodland. With Eucalyptus marginata, Allocasuarina fraseriana, Banksia menziesii, Banksia attenuata, Ehrharta calycinus, Hibbertia hypericoides.	6-20 plants.		End of Carmignani Road in Gngangara	GPS	1	22/10/2007
34695	5504678	4027	Jacksonia sericea	4	Shrub 0.25 m high x 1.1 m wide. Spreading from centre, dense. Orange pea shaped flowers, yellow throat with red ring on standard petal. Grey hairy stems, no leaves. Pale green yellow narrow sepals.	Sand dune, flat inter-dune plain. Dry, ca 95% organic litter cover. Light grey sand.	Woodland, Eucalyptus marginata, Banksia attenuata, B. menziesii.	frequent.		Warwick Senior High School, Erindale Road,	MAN	0	14/11/1998
34699	2171430	4027	Jacksonia sericea	4	Spreading shrub to 0.5 m high. Stems and branchlets ridged. Inflorescence silky hairy. In bud and occasional flower.	Sandy flat, gradual slope.	Eucalyptus marginata open woodland over Banksia attenuata, B. menziesii low woodland A.	abundant on disturbed road verges, occasional elsewhere.		Warwick woodland - along Wanneroo, Beach, Erindale and Warwick roads	MAN	0	17/10/1990
37274	6210082	40801	Leucopogon maritimus	1					Field No. 166.	Burns - Mullaloo	MAN	3	27/06/1966
37718	2768720	7674	Levenhookia preissii	1						Bayswater	AUTO	3	09/01/1899
37719	2768763	7674	Levenhookia preissii	1						Bayswater, Swan River	AUTO	3	23/12/1901
37723	1875221	7674	Levenhookia preissii	1	Flowers rosy pink (including labellum). Odourless.	Peaty sand fringing damp soil, bordering a watercourse.				Bayswater	AUTO	3	26/12/1924
37727	2768828	7674	Levenhookia preissii	1						Bayswater (Perth)	AUTO	3	/12/1901
37728	2768844	7674	Levenhookia preissii	1						Bayswater, Swan district	AUTO	3	/12/1900
38387	8386811	25819	Marianthus paralius	T		Well drained dry white sand. Limestone ridge. Fire history: long ago.	Melaleuca cardiophylla, Scaevola crassifolia, Olearia axillaris, Rhagodia baccata Closed Low Heath.		Condition of plants: moderate.	Dual use path & north of Silver Sands Drive, Joondalup	TOPO	3	29/12/2010
38390	7782144	25819	Marianthus paralius	T	Prostrate shrub with red flowers.	Limestone cliff with dry, brown sand. Exposed limestone outcropping.	Dense Heath B. Coastal heath vegetation including Spyridium sp., Thomasia sp., Melaleuca sp., Scaevola sp., Acanthocarpus sp.	9 plants recorded.		Iluka foreshore reserve, Iluka R47831, plants are located approx 575 m and 870 m S of Ocean Parade along the pedestrian path	GPS	1	26/10/2006

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
38412	7878311	33638	Meionectes tenuifolia	3	Erect herb with orange flowers. Height 0.5 m and width 0.05 m.	Grey clay, reserve and wetland.	Tall shrubland with Melaleuca raphiophylla, Baumea arthophylla and Triglochia lineare.	over plants over area of 11 100 m2.	100% flowering and reproducing by seeds.	Thorburn Park, Thorburn Road, Beechboro	MAN	3	28/12/2007
38414	1162586	33638	Meionectes tenuifolia	3						Byfields Mill, Swan district [Midland area]	MAN	4	/12/1900
39696	8772630	14337	Millotia tenuifolia var. laevis	2	Annual herb, 0.05 m high x 0.01 m wide. Flowers yellow.	Upper slope with grey sand. Underlying geology: Bassendean Dune System.	Banksia attenuata and Banksia menziesii low woodland over Eucalyptus todtiana sparse mid mallee woodland over Adenanthos cygnorum subsp. cygnorum sparse tall shrubland over Eremaea pauciflora var. pauciflora sparse mid shrubland over Hibbertia hypericoid			S of Maralla Road, Ellenbrook	GPS	1	24/09/2014
39705	9234306	14337	Millotia tenuifolia var. laevis	2	Small upright herb to 3.5 cm, white-yellow flowers and furry leaves and stems.	Gently inclined low dune, grey sand.	Low woodland of Banksia attenuata and B. menziesii over mid open shrubland of Allocasuarina humilis over low open shrubland of Hibbertia hypericoides.	uncommon.	Recorded in a quadrat.	Whiteman Park, ca. 2.4 km SE of the intersection between Alexander Drive and Gnangara Road	GPS	1	16/10/2018
41705	6498841	11557	Phlebocarya pilosissima subsp. pilosissima	3	Herb 15 cm.	Gentle slope to S at edge of a seasonal dampland. Light greyish brown sand with a pale grey (whitish) surface, a thin litter layer over parts (>half).	Banksia attenuata, Banksia ilicifolia low open woodland to low woodland over Regelia ciliata open scrub to closed scrub over Hypocalymma angustifolium open shrubland to open heath over scattered herbs and sedge of Dasypogon bromeliifolius and Hypolaena e		From site ML 18, Specimen ML18-12.	N of Gnangara Road, NE corner of Lot 46 Maralla Road, locality of Ellenbrook	GPS	1	20/08/1999
41706	6498868	11557	Phlebocarya pilosissima subsp. pilosissima	3	Herb, 15 cm.	Gentle slope to S at edge of a seasonal dampland. Light greyish brown sand with a pale grey (whitish) surface, a thin litter layer over parts (>half).	Banksia attenuata, Banksia ilicifolia low open woodland to low woodland over Regelia ciliata open scrub to closed scrub over Hypocalymma angustifolium open shrubland to open heath over scattered herbs and sedge of Dasypogon bromeliifolius and Hypolaena e		From site ML 18, Specimen ML18-13.	N of Gnangara Road, NE corner of Lot 46 Maralla Road, locality of Ellenbrook	GPS	1	20/08/1999
41924	3409171	5237	Pimelea calcicola	3	Shrub-like herb up to 18 inches high. Flowers pale mauve.		Heathland.			N of Wanneroo	AUTO	3	16/10/1962
41933	1812130	5237	Pimelea calcicola	3	Slender erect shrub, to 60 cm. Flowers deep pink to very pale pink. In full flower.	Low hill. Shallow grey sand over massive limestone.	Dryandra sessilis closed heath.		Abundant: Common in area.	Hepburn Heights; Wanneroo, 25 km N of Perth	AUTO	3	7/11/1990
41937	1603523	5237	Pimelea calcicola	3	Erect rounded, bushy shrub up to 1.5 m high. Flowers greenish at base and pale pink above, the anthers orange at first, becoming dark pink/purple.	On the summit of a limestone hill with yellow sand and exposed limestone.	Weedy, disturbed open woodland. Dominant species: Dryandra sessilis, a shrub up to 3 m high.			Cromford Way, S of Wittington Avenue, Carine (suburb of Perth)	MAN	0	10/10/1983
41938	1603531	5237	Pimelea calcicola	3	Erect rounded, bushy shrub up to 1.5 m high. Flowers greenish at base and pale pink above, the anthers orange at first, becoming dark pink/purple.	On the summit of a limestone hill with yellow sand and exposed limestone.	Weedy, disturbed open woodland. Dominant species: Dryandra sessilis, a shrub up to 3 m high.			Cromford Way, S of Wittington Avenue, Carine (suburb of Perth)	MAN	0	10/10/1983
41939	1603558	5237	Pimelea calcicola	3	Erect rounded, bushy shrub up to 1.5 m high. Flowers greenish at base and pale pink above, the anthers orange at first, becoming dark pink/purple.	On the summit of a limestone hill with yellow sand and exposed limestone.	Weedy, disturbed open woodland. Dominant species: Dryandra sessilis, a shrub up to 3 m high.			Cromford Way, S of Wittington Avenue, Carine (suburb of Perth)	MAN	0	10/10/1983
41942	1748807	5237	Pimelea calcicola	3	Rounded bushy shrub up to 1.5 m high. Flowers pale pink, the anthers becoming dark pink-purple.	On summit of limestone hill.	Weedy disturbed open shrubland dominated by Dryandra sessilis.			Cromford Way, Carine	MAN	0	30/09/1982

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
42541	6350178	42022	Poranthera moorokatta	2	Erect annual herb, 1 cm.	Flat to very slight depression on a broad flat dampland floor. Soil: surface light grey to grey, set clay with some coarse sand, thick white sand cover in some places. Belwo surface light grey-grey clay with some sand. Some litter in patches around shrub	Dominants: Melaleuca preissiana 4-13 +m 1-5% (varies); Calothamnus lateralis, Pericalymma ellipticum var. ellipticum 0.5-1 m >15%; Astartea aff. fascicularis 1-1.4 m <5%. Associated species: The more abundant species for this site were Phyllangium parado		Specimen ML48-8.	Site ML48, N of Gngangara Road, W part of Lot 47 Lexia Avenue, Locality of Ellenbrook	MAN	2	22/10/1999
42544	8772606	42022	Poranthera moorokatta	2	Annual herb, 0.05 m high x 0.05 m wide.	Dampland with brown / white peat / sand. Underlying geology: Bassendean Dune System.	Melaleuca preissiana mid woodland over Banksia littoralis sparse low woodland over Xanthorrhoea preissii and Taxandria linearifolia open tall shrubland over Hypocalymma angustifolium sparse low shrubland.	1 plant.		N of Fewson Turn, Ellenbrook	GPS	1	17/09/2014
42545	8772622	42022	Poranthera moorokatta	2	Annual herb, 0.05 m high x 0.05 m wide.	Slope with brown / white sand. Underlying geology: Bassendean Dune System.	Eucalyptus tottiana isolated mid mallee trees over Banksia attenuata, Banksia menziesii and Nuytsia floribunda sparse low woodland over Eremaea pauciflora var. pauciflora sparse mid shrubland over Hibbertia hypericoides, Hibbertia subvaginata and Scholtz	1 plant.		NW of Fewson Turn, Ellenbrook	GPS	1	19/09/2014
42546	8766185	42022	Poranthera moorokatta	2	Small herb, 1 cm high.	Crest of low dune with yellow sand (ant mounds). Greater than 10 years since a fire.	Banksia attenuata, Banksia menziesii, Allocasuarina fraseriana low woodland over Xanthorrhoea preissii open shrubland over Hibbertia hypericoides, Calothamnus sanguineus, Calytrix flavescens low shrubland over Mesomelaena pseudostygia scattered sedges.			Corner of Joseph Banks Boulevard and Woolly Drive, Banksia Grove, 33 km N of Perth CBD	GPS	1	25/10/2012
42548	9234292	42022	Poranthera moorokatta	2	Small erect annual herb to 2 cm, white flowers.	Very gently inclined plain, grey sand.	Low woodland of Banksia attenuata and B. menziesii over mid open shrubland of Xanthorrhoea preissii over low open shrubland of Eremaea pauciflora.	uncommon.	Recorded in a quadrat.	Whiteman Park near Cullacabardee, ca. 40 m S of Baal Street, ca. 155 m WSW of the intersection between Baal Street and Beechboro Road North	GPS	1	30/10/2018
44327	4583744	17543	Sarcozona bicarinata	3	Herbaceous succulent 8 cm high and spreading to generally less than 30 cm across the ground. Leaves dull grey, green in colour; seeds brown and rough all over.	Grey sand over rocky limestone outcrops. Exposed sunny areas.	Edge of Dryandra sessilis (Parrot Bush) heathlands and cleared area for housing.		No evidence of recent fire but few plants (3 only) found on edge of bushland where the area has been cleared for housing developm ent.	Iluka-Beaumaris Estate near Sales Office, 100 m N of Miami Beach Promenade, Location B (refer to map attached)	AUTO	3	2/03/1997

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
44328	4583736	17543	Sarcozona bicarinata	3	Herbaceous succulent 8 cm high and spreading to generally less than 30 cm across the ground. Leaves dull grey, green in colour; seeds brown and rough all over.	Grey sand over rocky limestone outcrops. Exposed sunny areas. Fire approximately 12 months prior to collection. The fire most probably stimulates seed germination and opens up the very dense Dryandra heath providing a sunny environment for this species t	Dryandra sessilis (Parrot Bush) heathlands.		Abundance: this species is common throughout the fire burnt area but did not occur outside where the Dryandra sessilis formed closed dense heath nor did it occur in adjacent unburnt Banksia bushland.	Iluka-Beaumaris Estate (near Burns Beach), track off Burns Beach Road, Location A (refer to map attached)	AUTO	3	2/03/1997
44588	1278215	980	Schoenus capillifolius	3	Annual herb, in fruit.	Clay pan dry - some mud in deeper sections with live plants.				J. Martyn Reserve, 13 km N Midland	AUTO	3	14/11/1980
44608	4526422	17606	Schoenus griffinianus	4	Perennial sedge.	Soil: White sand. Topography/drainage: Well drained gentle SW facing slope. Geomorphology: Bassendean sands over guildford formation.	Vegetation: Banksia attenuata Open Low Woodland A over mixed Low Heath C over mixed Open Dwarf Scrub D over Lyginia barbata Very Open Low Sedges.			Melaleuca Park conservation area, N Cooper Rd, 12 km NE of Wanneroo (plot mela-8).	GPS	1	19/10/1993
44831	4750411	17731	Schoenus sp. Waroona (G.J. Keighery 12235)	3	Annual 2-5 cm, flowers green.	Winter wet flats, dark brown loam clay over clay.	Burnt low heath.	common.		J & B Martyn Reserve, 13 km N of Midland	MAN	3	31/10/1988
46255	6533744	49715	Stachystemon exilis	1	Upright shrub to 1 m by 0.3 m, buds and flowers.	Dry Flat, grey sand some humus, over humus and sand, well drained.	Open Scrub, Associated species: Adenanthos cygnorum.			Whiteman Park (Bush Forever Site 304, System 6 Area M13) in System 6 Update quadrat white07	GPS	1	19/10/1994
46256	3978931	49715	Stachystemon exilis	1		On grey sand, seasonally damp.	Marri Open Low Woodland A over Melaleuca sp. B and Hypocalymma angustifolium Dwarf Scrub C over Mixed Herbs.			Whiteman Park. Site White 05 (DEP System 6 Update)	MAN	0	19/10/1994
46260	9234314	49715	Stachystemon exilis	1	Slender small shrub, small white-yellow flowers and bright green narrowly lanceolate leaves with slightly recurved margins.	Very gently inclined plain, grey sand.	Low woodland of Banksia attenuata and B. menziesii over mid open shrubland of Xanthorrhoea preissii over low open shrubland of Eremaea pauciflora.	uncommon.		Whiteman Park near Cullacabardee, ca. 40 m S of Baal Street, ca. 155 m WSW of the intersection between Baal Street and Beechboro Road North	GPS	1	30/10/2018
46565	7526989	19704	Stenanthemum sublineare	2		Low rise on an undulating plain. Dry, grey sand. Unburnt for 20+ years.	Open Banksia attenuata/Banksia menziesii low woodland, over heath (Beaufortia elegans, Eremaea pauciflora subsp. pauciflora, Regelia inops) Calytrix flavescens, Scholtzia involucrata, Bossiaea eriocarpa, Gompholobium tomentosum, Petrophile linearis, over	one plant.		Proposed Narrabup Infiltration site, SE of Lake Pinjar, E of Wanneroo Golf Club, adjacent to Bush Forever site 398	GPS	1	17/11/2005
47327	1631098	7756	Stylidium longitubum	4	Annual herb, flowers pink, throat yellow.	Winter wet claypan.	Melaleuca lateritia shrubland; burnt.	abundant.		J. & R. Martyn Reserve, 13 km N Midland	AUTO	3	3/10/1988
47342	1643061	7756	Stylidium longitubum	4	Annual herb. Flowers pink, and laterally paired.	Grows in clayey sand, in small winter-wet depressions.	Under and around shrubs.			In a paddock on the W side of Railway Parade, 0.5 km N of Apple Road, Upper Swan	AUTO	3	12/11/1989
47347	3510042	7756	Stylidium longitubum	4						Ellenbrook area, west of Vines golf course	MAN	0	30/10/1992

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
47505	8540942	25800	<i>Stylidium paludicola</i>	3		Sandy flats near winter-wet damplands.	Low woodland of marri and <i>Banksia grandis</i> over <i>Baumea juncea</i> sedgeland and mixed open heath adjacent to <i>Melaleuca preissiana</i> and <i>Banksia littorea</i> woodland.			Edith Cowan University campus, Joondalup, Perth	MAN	3	//2007
47513	2858010	25800	<i>Stylidium paludicola</i>	3						Bayswater	AUTO	3	10/10/1900
47531	7855656	25800	<i>Stylidium paludicola</i>	3	Reed-like perennial herb 35-80 cm high, numerous scapes per plant; corolla lobes laterally-paired, bright pink, darker pink in bud; labellum pale pink with a pink terminal appendage; throat white, yellow to inside, glandular; anthers greenish-red fading	Winter-wet flat; brown sandy-clay.	Open <i>Melaleuca preissiana</i> woodland with dense Myrtaceous shrubs.	localised patch		Maralla Rd, E of Sawpit Road, Maralla Nature Reserve, N of Perth	GPS	1	31/10/2006
47532	7282575	25800	<i>Stylidium paludicola</i>	3	Multi-stemmed erect plant with pink flowers, white throat. Height to 90 cm.	Flat with moist grey sand.	With <i>Acacia</i> sp., <i>Melaleuca preissiana</i> and <i>Leptospermum</i> sp.	ca 50 plants.		Maralla Nature Reserve, Maralla Road, The Vines, 200 m E of Sawpit Road then 100 m S of gate	GPS	1	14/11/2005
48126	6499171	20603	<i>Stylidium trudgenii</i>	3	Perennial herb, 4-5 cm	Dampland - wetland. Peat, soggy.	<i>Melaleuca preissiana</i> (1.8) 5-7 m 1-2%; <i>Astartea</i> aff. <i>fascicularis</i> 1-1.8 m +/- 30% (more out of 10 x 10 m; to > 70%); <i>Pericalymma ellipticum</i> var. <i>ellipticum</i> 0.7 m < 5%; <i>Meeboldina scariosa</i> (ML49-1) 0.5-1 m < 5%. Associated species: <i>Stylidium mimeticum</i> , <i>Iso</i>		From site ML49, Specimen ML49-11.	N of Gngangara Road, SW section of Lot 46 Maralla Road, locality of Ellenbrook	GPS	1	22/10/1999
48128	6529690	20603	<i>Stylidium trudgenii</i>	3	Perennial herb.	Floor of a dampland/wetland complex. Seasonally inundated? (probably for short period at most this year). Soil: dark grey (pale surface) sandy (little) peat.	Scattered <i>Melaleuca preissiana</i> , <i>Banksia littoralis</i> (shrubs), over <i>Astartea</i> aff. <i>fascicularis</i> heath. Associated species: <i>Drosera pulchella</i> , <i>Drosera</i> aff. <i>pygmaea</i> , <i>Villarsia albiflora</i> , <i>Epiblema grandiflorum</i> var. <i>grandiflorum</i> , <i>Comesperma virgatum</i> , patches of		<i>Stylidium</i> sp. Ellenbrook (M. Trudgen 49-11) in a localised patch about 5 m across of about 21 clumps.	Site ML50A, N of Gngangara Road, W part of Lot 47 Lexia Avenue, locality of Ellenbrook	GPS	1	1/12/1999
48129	6704832	20603	<i>Stylidium trudgenii</i>	3	Caespitose perennial herb. Flowers cerise laterally paired.	In black peaty soil on a winter wet swamp margin.			Specimens grown on in cultivation until anthesis then pressed for vouchers.	5 km N of Ellen Brook Estate	GPS	1	23/10/2000
48375	8604223	48297	<i>Styphelia filifolia</i>	3		On brown sand on midslopes.	Woodland of <i>Banksia attenuata</i> , <i>B. menziesii</i> , <i>B. ilicifolia</i> over Heath dominated by <i>Allocasuarina humilis</i> .			Near Pinjar Powerstation	UNK	2	11/09/2007
48377	2997290	48297	<i>Styphelia filifolia</i>	3						Melaleuca Park	AUTO	3	11/06/1978
48379	1016539	48297	<i>Styphelia filifolia</i>	3	Erect shrub to 50 cm.	Sandy soil.				8.38 km N along Gallagher Road, Wanneroo	TOPO	3	7/02/1980
48395	7337671	48297	<i>Styphelia filifolia</i>	3	Erect, well branched shrub to ca 50 cm high. White flowers. Mostly in bud.	Flat, slope. Dry, white sand.	<i>Banksia ilicifolia</i> , <i>B. menziesii</i> , <i>Nuytsia floribunda</i> , <i>Melaleuca</i> - paper bark trees and sandplain shrubs including <i>Scholtzia involucrata</i> .	10+ scattered plants.		Warbrook Road, Bullsbrook, ca 200 m S from Wise Road then 100 m W	GPS	1	25/02/2006
50458	9376089	4540	<i>Tetratheca pilifera</i>	3		Hill. Brown sandy loam soil.	Mid <i>Eucalyptus</i> wandoo woodland over tall open <i>Xanthorrhoea preissii</i> shrubland over low open mixed shrubland.	1 individual plant.		3.5 km SSE of Wundowie	GPS	1	21/10/2020

FID	Sheet	NameID	Taxon	Cons_Cod e	Plant_Desc	Site	Vegetation	Frequency	Notes	Locality	Geo_Met hod	Precision	Date
50664	278696	1717	Thelymitra variegata	2	Petals purple, spotted. Sepals orange, purplish in the centre, with reddish- purple spots. Column purple with orange wings.	On limestone hills towards the coast.			'Leopard Orchid'	Wanneroo	AUTO	3	/09/1919
51666	2935007	13783	Thysanotus sp. Badgingarra (E.A. Griffin 2511)	2	? young style of T. sparteus.	Low roadside on gravel.	Low scrub.			Perth - Toodyay road - Redhill c. 20 km E of Perth	AUTO	3	1/03/1959
52366	2472635	32658	Trithuria occidentalis	T	Annual herb, leaves red, flowers red, anthers purple-red.	In water, muddy open.		common.		J.R. & B. Martyn Reserve, Ellen Brook, 13 km N Midland	TOPO	3	27/10/1982
52371	2841851	32658	Trithuria occidentalis	T	Small annual, reddish colour.	Drying pools, muddy claypan.	Melaleuca laterite scrub.	common.		J.R. and B. Martyn Reserve, Ellen Brook, 13 km N Midland	MAN	3	27/10/1982
53607	6679765	14714	Verticordia lindleyi subsp. lindleyi	4						RAAF Caversham Base	GPS	1	18/12/1998
53608	5795672	14714	Verticordia lindleyi subsp. lindleyi	4	Erect shrub 0.5 m high.	Winter wet depression. Damp, grey- brown clay-sand-humus.	Dense shrubs (tall) over sedges. Melaleuca rhopiophylla, Hypocalymma angustifolium, Juncus pallidus, sedges.	occasional.		Saunders Street (W end), Aboriginal Community, Henley Brook	MAN	3	10/12/1996
53613	6679757	14714	Verticordia lindleyi subsp. lindleyi	4						RAAF Caversham Base	GPS	1	18/12/1998
53616	7400268	14714	Verticordia lindleyi subsp. lindleyi	4	Shrub 25 - 35 cm high.		Shrubland with some emergent Marri, Banksia and Nuytsia. Associated vegetation: Dasypogon bromelifolius, Melaleuca serriata, Stylidium repens, Hibbertia subuaginata.			Whiteman Park	GPS	1	9/02/2006
53617	7400276	14714	Verticordia lindleyi subsp. lindleyi	4	Shrub 30 - 40 cm high.	Flat.	Shrubland with few emergent Marri, Banksia and Nuytsia. Associated vegetation: Verticordia nitens, Patersonia occidentalis, Dasypogon bromelifolius, Calytrix fraseri, Hibbertia subuagilata.			Whiteman Park	GPS	1	9/02/2006
53638	6504914	14714	Verticordia lindleyi subsp. lindleyi	4		Topography: plain, low lying. Slope: flat. Soil testure: sand. Soil colour: brown to white. Surface layer: leaf litter. Rock type: limestone. Leaf litter coverage: 10- 30% cover; ,3 cm depth; distribution mainly under shrubs. Wood litter: sparse. Fire his	Sparse Melaleuca preissiana over moderately dense Kunzea micrantha and Verticordia plumosa. Total vegetation cover: 95%. Trees <5 m, 2-10%: Melaleuca preissiana, Acacia saligna. Shrubs >2 m, 0-2%: Kunzea micrantha. Shrubs 1-2 m, 30-70%: Kunzea micrantha,			Site 11, RAAF Caversham Base	GPS	1	21/12/1998

FID	PopId	Named Taxon	ConsStatus	WArank	PopNumber	SubPopCode	PopStatus	District	Vesting	Purpose1	Purpose2	CountDate	Method	MatCount	JuvCount	SeedCount	LiveTotal	CountType	AreaOccupied	InFlower	PopCondition	HabitCondition	HabitNotes	SoilCondition	Landform	RockType	Gravel	SoilType	SoilColor	Drainage	
332	86275	3237	Acacia benthamii	2	1			SWAN COASTAL	PRI			15/09/1975 0:00		0			0			N											
2756	118770	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	2			SWAN COASTAL	CC	NPK		29/09/2017 0:00	ESTMT	2307			0	PLANTS		Y	HEALTHY	EXCELENT	No sign of fire	DRY	FLAT	LIMESTN	GRVL_10	SAND	GREY	WLL_DRN D	
2759	120049	34161	Baeckea sp. Limestone (N. Gibson & M.N. Lyons 1425)	1	5			SWAN COASTAL	RDL	OTH		14/09/2018 0:00	ACT_IND	37	15		0	PLANTS	940	Y	HEALTHY	VRY_GOOD	Closed to Open Heath of Baeckea sp. Limestone, Melaleuca systena, Banksia sessilis subsp. cynnorum, Calothamnus quadrifidus, Olearia axillaris, Hakea trifurcata, Spyridium globulosum, Acacia pulchella over Open Herbland of Tricoryne elatior, Dianella rev	DRY	SL_UP_ST	LIMESTN	GRVL_30	SAND	BROWN	WLL_DRN D	
4672	84935	1596	Caladenia huegelii	T	CR	22		SWAN COASTAL	LGA	VER		14/10/2004 0:00		0			0			N			Xanthorrhoea preissii, Patersonia sp., Hibbertia sp., Stirlingia latifolia.	DRY	RI_DUNE			SAND	GREY		
4675	84938	1596	Caladenia huegelii	T	CR	25		SWAN COASTAL	PRI			15/10/1997 0:00	ESTMT	0			0			N			Xanthorrhoea preissii, Patersonia sp., Hibbertia sp., Stirlingia latifolia.	DRY	FLAT			SAND	GREY		
4682	84940	1596	Caladenia huegelii	T	CR	32	U	SWAN COASTAL	CC	CFF		29/09/2004 0:00		0			0			N			Sonchus. Banksia Woodland. Hibberia, grass trees.		SLOPE			SAND	GREY		
4683	84941	1596	Caladenia huegelii	T	CR	34	U	SWAN COASTAL	PRI			29/09/2004 0:00	ACT_IND	0			0			N			Cape tulip. Banksia, allocasuarina, Xanthorrhoea, Patersonia, Hibbertia, Stirlingia. Caladenia longicauda.		OD_DRGLN			LOAM_SND	GREY	PERMINU N	
4684	84942	1596	Caladenia huegelii	T	CR	35	U	SWAN COASTAL	CC	CFF		29/09/2004 0:00	ACT_IND	0			0			N			Xanthorrhoea preisli, Patersonia, Hibbertia, Stirlingia latifolia. Habitat degraded & unsuitable.	DRY	FLAT			SAND	GREY		
4703	84948	1596	Caladenia huegelii	T	CR	52	U	SWAN COASTAL	LGA			18/10/2004 0:00		0			0			N			Pockets of Banksia Woodland.		SLOPE			SAND	GREY		
4736	84963	1596	Caladenia huegelii	T	CR	71		SWAN COASTAL	SPC	PAR		4/10/2005 0:00	ACT_IND	1			1			N	HEALTHY		Vegetation changes character, with more Banksia illicifolia etc to the north of this area.	DRY							
4748	110514	1596	Caladenia huegelii	T	CR	81		SWAN COASTAL	PRI			24/09/2014 0:00	ESTMT	1			0	PLANTS		Y	HEALTHY	VRY_GOOD		DRY	FLAT		GRVL_10	SAND	WHITE	WLL_DRN D	
4752	114949	1596	Caladenia huegelii	T	CR	85		SWAN COASTAL	SPC	UNKNOWN		4/10/2017 0:00	ACT_IND	1			0	PLANTS	0.1	Y	HEALTHY	EXCELENT	Low Woodland of Banksia menziesii, B. attenuata, Eucalyptus todtiana, Nuysia floribunda over occasional Adenanthos cynnorum over Low Shrubland of Hibbertia hypericoides, H. subvaginata, Stirlingia latifolia, Daviesia triflora, Philotheca spicata, Calytr	DRY	SL_UP_GE			SAND	GREY	WLL_DRN D	
4994	104572	45757	Calectasia elegans	2	1	A		SWAN COASTAL	SPC	GVT		7/09/2006 0:00	ACT_IND	9			9			Y			Andersonia heterophylla, Austroanthonia occidentalis, Austrostipa compressa, Beaufortia sp.		SLOPE	QUARTZ			SAND	GREY	
4995	104573	45757	Calectasia elegans	2	1	B		SWAN COASTAL	CC	FOR		20/10/2006 0:00	ACT_IND	2			2			Y			Open banksia, low woodland, dwarf scrubland		SLOPE	QUARTZ			SAND	GREY	
5324	84454	759	Carex tereticaulis	3	4			SWAN COASTAL	UNKNOWN			17/05/1999 0:00		0			0			N			Watercourse, wet. Organic litter. Grey Bassendean sand. Dense forest.					SAND	GREY		
6016	97141	1425	Conostylis bracteata	3	1	A		SWAN COASTAL	LGA			29/03/1986 0:00		0			0			N			DomSp:Xanthorrhoea sp.		RI_DUNE						
6017	97142	1425	Conostylis bracteata	3	1	B	X	SWAN COASTAL	PRI			16/08/1986 0:00		0			0			N					RI_DUNE						
6018	97143	1425	Conostylis bracteata	3	1	C		SWAN COASTAL	LGA	PAR		16/08/1986 0:00		0			0			N			DomSp: Banksia attenuata, Melaleuca acerosa		RI_DUNE	LATERITE					
6021	84822	1425	Conostylis bracteata	3	4			SWAN COASTAL	NON	UCL		6/11/1997 0:00		0			0			N			DomSp: Acacia spp., Ehrharta calycina.		CD_LKBED			SAND	GREY		
6379	93193	16245	Cyathochaeta teretifolia	3	1			SWAN COASTAL	CC	CFF		3/11/1995 0:00		0			0			N			Gallum, Daucus, Trachymene.		SLOPE			LOAM	BROWN		
6381	93212	16245	Cyathochaeta teretifolia	3	3			SWAN COASTAL	LGA	REC		27/10/1994 0:00		0			0			N											
6383	93214	16245	Cyathochaeta teretifolia	3	5			SWAN COASTAL	PRI			3/08/1995 0:00		0			0			N			VegClass:Low Open Forest		OD_CREEK						SEASINUN
6391	93197	16245	Cyathochaeta teretifolia	3	13			SWAN COASTAL	CC	CFF		3/11/1995 0:00		0			0			N					FL_PALU	LIMESTN			CLAY_SND	RED_BRWN	SEASINUN
6392	93198	16245	Cyathochaeta teretifolia	3	14			SWAN COASTAL	LGA	REC		8/12/1995 0:00		0			0			N					CD_SMPLD					BLACK	
6398	93205	16245	Cyathochaeta teretifolia	3	20			SWAN COASTAL	PRI			6/09/1999 0:00		0			0			N					FLAT						
6399	93206	16245	Cyathochaeta teretifolia	3	21			SWAN COASTAL	PRI			21/08/1999 0:00		0			0			N			DomSp:Astartea aff. fascicularis, Lepidosperma longitudinale, Baumea rubiginosa, Acacia saligna...	MOIST				CD_SMPLD			
6401	93208	16245	Cyathochaeta teretifolia	3	23			SWAN COASTAL	PRI			28/09/1999 0:00		0			0			N					SLOPE						
6402	93209	16245	Cyathochaeta teretifolia	3	24			SWAN COASTAL	CC	FOR		2/12/2002 0:00		0			0			N											
7639	90830	3115	Drosera occidentalis	4	2			SWAN COASTAL	PRI			6/01/1986 0:00	ESTMT	100			100			N											

FID	PopId	NameId	Taxon	ConsStatus	WARank	PopNumber	SubPopCode	PopStatus	District	Vesting	Purpose1	Purpose2	CountDate	Method	MatCount	JuvCount	SeedCount	LiveTotal	CountType	AreaOccupy	InFlower	PopCondition	HabitatCondition	HabNotes	SoilCondition	Landform	RockType	Gravel	SoilType	SoilColor	Drainage	
7640	90837	3115	Drosera occidentalis	4		3			SWAN COASTAL	PRI			6/01/1986 0:00		0		0	0			N											
9489	94987	20162	Fabronia hampeana	2		2			SWAN COASTAL	PRI			14/09/1994 0:00		0		0	0			N			Banksia, Macrozamia, Hibbertia, Xanthorrhoea, Dyandra, grasses, weeds.								
10440	92200	14408	Grevillea curviloba subsp. curviloba	T	CR	2			SWAN COASTAL	CC	CFF		12/01/2017 0:00		0		0	0			N	GOOD		The western side of the Reserve was burnt in 1989 and eastern side was burnt in 1973.	MOIST	FLAT		GRVL_10	SND_LOAM			
10441	92201	14408	Grevillea curviloba subsp. curviloba	T	CR	3			SWAN COASTAL	CC	NRE		26/05/2015 0:00		0		0	0			N	DEGRADED		The vegetation and current regen appear to have been burnt more recently than 2013, and therefore it is likely that there was another burn post 2013.	DRY	FLAT	NONE	GRVL_10	SND_LOAM	GREY		
10442	92202	14408	Grevillea curviloba subsp. curviloba	T	CR	4	A		SWAN COASTAL	CC	CFF		21/09/2011 0:00	ACT_CLMP	16		0	0	CLUMPS	230	Y	MODERATE	DEGRADED	Localised patches of Schoenus were present but most of the area was degraded and predominantly weeds (Arctotheca calendula, Moraea flaccida, Poacea spp.) Habitat 1 (main group of plants) - Occasional Corymbia calophylla over Open Shrubland of Grevillea curviloba subsp. curviloba over Closed Grassland of *Ehrharta longiflora, *Bromus diandrus, *E.calycina and *Briza maxima Habitat 2 (Clump of 4 plants)	DRY	FLAT			SAND	WHITE		
10443	92204	14408	Grevillea curviloba subsp. curviloba	T	CR	4	B		SWAN COASTAL	CC	CFF		26/10/2016 0:00	ACT_CLMP	29	3	0	0	CLUMPS		Y	MODERATE	DEGRADED			OD_DRGLN			SAND	GREY		
10490	92209	14409	Grevillea curviloba subsp. incurva	T	EN	17			SWAN COASTAL	CC	CFF		17/08/2012 0:00	ACT_CLMP	1		0	0	CLUMPS	6	Y		GOOD				FLAT					
11462	84894	1469	Haemodorum loratum	3		2			SWAN COASTAL	UNKNOWN			13/11/1981 0:00		0		0	0			N			Wandoo woodland.			LATERITE		LOAM			
11844	100789	49637	Hibbertia leptotheca	3		4	A		SWAN COASTAL	LGA	REC		21/09/1990 0:00		0		0	0			Y					SL_CLIFF	LIMESTN		SAND	GREY		
11845	100790	49637	Hibbertia leptotheca	3		4	B		SWAN COASTAL	LGA	REC		21/09/1990 0:00		0		0	0			N					SL_CLIFF	LIMESTN		SAND	GREY		
12237	86874	4027	Jacksonia sericea	4		1			SWAN COASTAL	LGA	PAR	REC	15/11/1979 0:00		0		0	0			N											
12238	86878	4027	Jacksonia sericea	4		2			SWAN COASTAL	LGA	CFF	REC	15/06/1979 0:00		0		0	0			N											
12239	98915	4027	Jacksonia sericea	4		4	A		SWAN COASTAL	PRI			27/12/1989 0:00		0		0	0			N					DRY	RI_DUNE	LIMESTN		SAND	YELLOW	
12240	98916	4027	Jacksonia sericea	4		4	B		SWAN COASTAL	NON	UCL		27/12/1989 0:00		0		0	0			N					DRY	RI_DUNE	LIMESTN		SAND	YELLOW	
12241	98917	4027	Jacksonia sericea	4		4	C		SWAN COASTAL	PRI			27/12/1989 0:00		0		0	0			N					DRY	RI_DUNE	LIMESTN		SAND	YELLOW	
12242	98919	4027	Jacksonia sericea	4		5	A		SWAN COASTAL	RAI	RRE		27/12/1989 0:00		0		0	0			N											
12243	98920	4027	Jacksonia sericea	4		5	B		SWAN COASTAL	MRD	VER		27/12/1989 0:00		0		0	0			N											
12244	98921	4027	Jacksonia sericea	4		5	C		SWAN COASTAL	MRD	VER		27/12/1989 0:00		0		0	0			N											
12245	98922	4027	Jacksonia sericea	4		5	D		SWAN COASTAL	MRD	VER		27/12/1989 0:00		0		0	0			N											
12246	98923	4027	Jacksonia sericea	4		5	E		SWAN COASTAL	RAI	RRE		27/12/1989 0:00		0		0	0			N											
12247	98924	4027	Jacksonia sericea	4		5	F		SWAN COASTAL	PRI			27/12/1989 0:00		0		0	0			N											
12249	98926	4027	Jacksonia sericea	4		7	A		SWAN COASTAL	LGA	CON		7/11/1990 0:00	ESTMT	750		750				N						LIMESTN			BROWN		
12250	98927	4027	Jacksonia sericea	4		7	B		SWAN COASTAL	LGA	CON		7/11/1990 0:00	ESTMT	250		250				N						LIMESTN			BROWN		
12252	98929	4027	Jacksonia sericea	4		9	A		SWAN COASTAL	LGA	VER		26/03/1990 0:00	ESTMT	280		280				N					SLOPE	LIMESTN			BROWN		
12253	98930	4027	Jacksonia sericea	4		9	B		SWAN COASTAL	PRI			15/05/1990 0:00	ESTMT	7200		7200				N					SLOPE	LIMESTN		SAND	BROWN		
12254	86875	4027	Jacksonia sericea	4		10			SWAN COASTAL	LGA	CON		17/10/1990 0:00	ESTMT	1000		1000				Y		Eucalyptus low woodland over Banksia attenuata low woodland A.	DRY					SAND	BROWN		
12257	98912	4027	Jacksonia sericea	4		12	A		SWAN COASTAL	LGA	REC		4/04/1990 0:00	ESTMT	100		100				N					SLOPE			SAND	BROWN		
12258	98913	4027	Jacksonia sericea	4		12	B		SWAN COASTAL	PRI			4/04/1990 0:00		0		0	0			N					SLOPE			SAND	BROWN		

FID	PopId	NameId	Taxon	ConsStatus	WARank	PopNumber	SubPopCode	PopStatus	District	Vesting	Purpose1	Purpose2	CountDate	Method	MatCount	JuvCount	SeedCount	LiveTotal	CountType	AreaOccupancy	InFlower	PopCondition	HabitCondition	HabitNotes	SoilCondition	Landform	RockType	Gravel	SoilType	SoilColor	Drainage
13513	95536	25819	Marianthus paralius	T	EN	2			SWAN COASTAL	RDL	REC	CMN	22/03/2018 0:00	ACT_IND	0		7		PLANTS		N	POOR	EXCELENT	30%-70% exposed limestone. Open Low Heath of Melaleuca huegeli, M. cardiophylla, Tetragona decumbens, Scaevola crassifolia, Acanthocarpus preissii, Frankenia pauciflora, Olax benthamiana, Rhagodia baccata, Olearia axillaris.	MOIST	SL_CLIFF	LIMESTN		SAND	GREY	WLL_DRN D
13519	96547	33638	Melonectes tenuifolia	3		4			SWAN COASTAL	PRI			3/11/1995 0:00		0		0				N			Habitat is excellent con							
15381	103688	17543	Sarcozona bicarinata	3		1	A		SWAN COASTAL	LGA	REC		4/08/1992 0:00		0		0				N			Hyalosperma humifusum, Hyalosperma cotula, Lepidosperma longitudinale.		FLAT	LIMESTN		CLAY	BROWN	
15382	103689	17543	Sarcozona bicarinata	3		1	B		SWAN COASTAL	LGA	REC		4/08/1992 0:00	ESTMT	0		25				Y			White sand over yellow sand.					SAND	WHITE	
15908	89308	7756	Stylidium longitubum	4		4			SWAN COASTAL	UNKNOW N			30/10/1992 0:00		0		0				N			White sand over yellow sand.					SAND	WHITE	
15926	89304	7756	Stylidium longitubum	4		21			SWAN COASTAL	SPC			8/12/2005 0:00		0		0				N			DomSp: Deyeuxia quadriseta, Drosera gigantea subsp. gigantea		OD_SWA MP					

APPENDIX 2

Naturemap Report

NatureMap Species Report

Created By Guest user on 16/11/2021

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 115° 50' 37" E, 31° 50' 9" S
Buffer 10km
Group By Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	1203	25070
Other specially protected fauna	2	22
Priority 1	5	14
Priority 2	4	9
Priority 3	13	65
Priority 4	12	357
Protected under international agreement	14	169
Rare or likely to become extinct	14	1184
TOTAL	1267	26890

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Rare or likely to become extinct				
1.	25452 <i>Bettongia penicillata</i> (Woylie, Brush-tailed Bettong)		T	
2.	24162 <i>Bettongia penicillata</i> subsp. <i>ogilbyi</i> (Woylie, Brush-tailed Bettong)		T	
3.	24345 <i>Botaurus poiciloptilus</i> (Australasian Bittern)		T	
4.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
5.	1213 <i>Calectasia cyanea</i> (Blue Tinsel Lily)		T	
6.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
7.	24731 <i>Calyptorhynchus banksii</i> subsp. <i>naso</i> (Forest Red-tailed Black Cockatoo)		T	
8.	24733 <i>Calyptorhynchus baudinii</i> (Baudin's Cockatoo, White-tailed Long-billed Black Cockatoo)		T	
9.	24734 <i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		T	
10.	48400 <i>Calyptorhynchus</i> sp. (white-tailed black cockatoo)		T	
11.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		T	
12.	24092 <i>Dasyurus geoffroyi</i> (Chuditch, Western Quoll)		T	
13.	14408 <i>Grevillea curviloba</i> subsp. <i>curviloba</i>		T	
14.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
Protected under international agreement				
15.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
16.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
17.	25738 <i>Calidris canutus</i> (Red Knot, knot)		IA	
18.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
19.	41332 <i>Chlidonias leucopterus</i> (White-winged Black Tern, white-winged tern)		IA	
20.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
21.	24690 <i>Macronectes giganteus</i> (Southern Giant Petrel)		IA	
22.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
23.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
24.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
25.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
26.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
27.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
28.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper, little greenshank)		IA	
Other specially protected fauna				
29.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
30.	24475 <i>Falco peregrinus</i> subsp. <i>macropus</i> (Australian Peregrine Falcon)		S	
Priority 1				
31.	34161 <i>Baeckea</i> sp. Limestone (N. Gibson & M.N. Lyons 1425)		P1	
32.	31233 <i>Drosera patens</i>		P1	
33.	30712 <i>Drosera x sidjamesii</i>		P1	

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34.	11074	<i>Hydrocotyle striata</i>		P1	
35.	20666	<i>Stachystemon</i> sp. <i>Keysbrook</i> (R. Archer 17/11/99)		P1	
Priority 2					
36.	3237	<i>Acacia benthamii</i>		P2	
37.	45757	<i>Calectasia elegans</i> (<i>Elegant Tinsel Lily</i>)		P2	
38.	42022	<i>Poranthera moorokatta</i>		P2	
39.	1717	<i>Thelymitra variegata</i> (<i>Queen of Sheba</i>)		P2	
Priority 3					
40.	43543	<i>Amanita fibrilloses</i>		P3	
41.	48332	<i>Amanita preissii</i> (<i>Cinnamon-ring Lepidella</i>)		P3	
42.	48574	<i>Australotomurus morbidus</i> (<i>cemetery springtail, Guildford springtail</i>)		P3	
43.	35317	<i>Austrostipa mundula</i>		P3	
44.	1425	<i>Conostylis bracteata</i>		P3	
45.	16245	<i>Cyathochaeta teretifolia</i>		P3	
46.	7485	<i>Dampiera triloba</i>		P3	
47.	48935	<i>Idiosoma sigillatum</i> (<i>Swan Coastal Plain shield-backed trapdoor spider</i>)		P3	
48.	25249	<i>Neelaps calonotos</i> (<i>Black-striped Snake, black-striped burrowing snake</i>)		P3	
49.	5237	<i>Pimelea calcicola</i>		P3	
50.	20603	<i>Stylidium trudgenii</i>		P3	
51.	48297	<i>Styphelia filifolia</i>		P3	
52.	24855	<i>Tyto novaehollandiae</i> subsp. <i>novaehollandiae</i> (<i>Masked Owl (southwest)</i>)		P3	
Priority 4					
53.	11957	<i>Anigozanthos humilis</i> subsp. <i>chrysanthus</i> (<i>Golden Catpaw</i>)		P4	
54.	3115	<i>Drosera occidentalis</i> (<i>Western Sundew</i>)		P4	
55.	24215	<i>Hydromys chrysogaster</i> (<i>Water-rat, Rakali</i>)		P4	
56.	17622	<i>Hypolaena robusta</i>		P4	
57.	48588	<i>Isoodon fusciventer</i> (<i>Quenda, southwestern brown bandicoot</i>)		P4	
58.	47975	<i>Ixobrychus dubius</i> (<i>Australian Little Bittern</i>)		P4	
59.	4027	<i>Jacksonia sericea</i> (<i>Waldjumi</i>)		P4	
60.	48022	<i>Notamacropus irma</i> (<i>Western Brush Wallaby</i>)		P4	
61.	24328	<i>Oxyura australis</i> (<i>Blue-billed Duck</i>)		P4	
62.	7756	<i>Stylidium longitubum</i> (<i>Jumping Jacks</i>)		P4	
63.	33992	<i>Synemon gratioiosa</i> (<i>Graceful Sunmoth</i>)		P4	
64.	14714	<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		P4	
Non-conservation taxon					
65.	15466	<i>Acacia applanata</i>			
66.	15470	<i>Acacia barbinervis</i> subsp. <i>borealis</i>			
67.	3262	<i>Acacia cochlearis</i> (<i>Rigid Wattle</i>)			
68.	3282	<i>Acacia cyclops</i> (<i>Coastal Wattle</i>)			
69.	3374	<i>Acacia huegelii</i>			
70.	18217	<i>Acacia iteaphylla</i>	Y		
71.	11611	<i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i>			
72.	15721	<i>Acacia lasiocarpa</i> var. <i>sedifolia</i>			
73.	17861	<i>Acacia longifolia</i>	Y		
74.	17464	<i>Acacia longifolia</i> subsp. <i>longifolia</i>	Y		
75.	3502	<i>Acacia pulchella</i> (<i>Prickly Moses</i>)			
76.	15481	<i>Acacia pulchella</i> var. <i>glaberrima</i>			
77.	3525	<i>Acacia rostellifera</i> (<i>Summer-scented Wattle</i>)			
78.	3527	<i>Acacia saligna</i> (<i>Orange Wattle, Kudjong</i>)			
79.	30032	<i>Acacia saligna</i> subsp. <i>saligna</i>			
80.	3541	<i>Acacia sessilis</i>			
81.	3557	<i>Acacia stenoptera</i> (<i>Narrow Winged Wattle</i>)			
82.	3576	<i>Acacia tetragonocarpa</i>			
83.	3584	<i>Acacia truncata</i>			
84.	3602	<i>Acacia willdenowiana</i> (<i>Grass Wattle</i>)			
85.	24559	<i>Acanthagenys rufogularis</i> (<i>Spiny-cheeked Honeyeater</i>)			
86.	24260	<i>Acanthiza apicalis</i> (<i>Broad-tailed Thornbill, Inland Thornbill</i>)			
87.	24261	<i>Acanthiza chrysorrhoa</i> (<i>Yellow-rumped Thornbill</i>)			
88.	24262	<i>Acanthiza inornata</i> (<i>Western Thornbill</i>)			
89.	24560	<i>Acanthorhynchus superciliosus</i> (<i>Western Spinebill</i>)			
90.	25535	<i>Accipiter cirrocephalus</i> (<i>Collared Sparrowhawk</i>)			
91.	24281	<i>Accipiter cirrocephalus</i> subsp. <i>cirrocephalus</i> (<i>Collared Sparrowhawk</i>)			
92.	25536	<i>Accipiter fasciatus</i> (<i>Brown Goshawk</i>)			
93.	42368	<i>Acritoscincus trilineatus</i> (<i>Western Three-lined Skink</i>)			
94.	25755	<i>Acrocephalus australis</i> (<i>Australian Reed Warbler</i>)			
95.	1775	<i>Adenanthos cygnorum</i> (<i>Common Woollybush</i>)			
96.	11837	<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (<i>Common Woollybush</i>)			
97.	1791	<i>Adenanthos obovatus</i> (<i>Basket Flower</i>)			

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98.	184	<i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
99.	185	<i>Aira cupaniana</i> (Silvery Hairgrass)	Y		
100.	187	<i>Aira praecox</i> (Early Hairgrass)	Y		
101.	48513	<i>Aizoon pubescens</i>	Y		
102.	1056	<i>Alexgeorgea nitens</i>			
103.	1728	<i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
104.	1732	<i>Allocasuarina humilis</i> (Dwarf Sheoak)			
105.	2652	<i>Alternanthera nodiflora</i> (Common Joyweed)			
106.	2653	<i>Alternanthera pungens</i> (Khaki Weed)	Y		
107.	6565	<i>Alyxia buxifolia</i> (Dysentery Bush)			
108.	48599	<i>Amanita arenaria</i>			
109.	38756	<i>Amanita umbrinella</i>			
110.	38757	<i>Amanita xanthocephala</i>			
111.	25840	<i>Amaranthus blitum</i>	Y		
112.		<i>Amblyomma triguttatum</i>			
113.	4587	<i>Amperea protensa</i>			
114.	20184	<i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
115.	200	<i>Amphipogon turbinatus</i>			
116.		<i>Aname mainae</i>			
117.		<i>Aname tepperi</i>			
118.	24310	<i>Anas castanea</i> (Chestnut Teal)			
119.	24312	<i>Anas gracilis</i> (Grey Teal)			
120.	24313	<i>Anas platyrhynchos</i> (Mallard)			
121.		<i>Anas platyrhynchos</i> subsp. <i>domesticus</i>			
122.	24315	<i>Anas rhynchotis</i> (Australasian Shoveler)			
123.	24316	<i>Anas superciliosa</i> (Pacific Black Duck)			
124.	6311	<i>Andersonia heterophylla</i>			
125.	6314	<i>Andersonia lehmanniana</i>			
126.	11471	<i>Andersonia lehmanniana</i> subsp. <i>lehmanniana</i>			
127.	47414	<i>Anhinga novaehollandiae</i> (Australasian Darter)			
128.	1409	<i>Anigozanthos humilis</i> (Catspaw)			
129.	11434	<i>Anigozanthos humilis</i> subsp. <i>humilis</i>			
130.	1411	<i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
131.	11261	<i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			
132.		<i>Anser anser</i>			
133.	24561	<i>Anthochaera carunculata</i> (Red Wattlebird)			
134.	24562	<i>Anthochaera lunulata</i> (Western Little Wattlebird)			
135.	25670	<i>Anthus australis</i> (Australian Pipit)			
136.	3686	<i>Aotus cordifolia</i>			
137.	3688	<i>Aotus gracillima</i>			
138.	3692	<i>Aotus procumbens</i>			
139.	41824	<i>Aotus</i> sp. <i>Diffusa</i> (W.E. Blackall & C.A. Gardner 1739)			
140.	43548	<i>Aphelia</i> sp. <i>Albany</i> (B.G. Briggs 596)			
141.	8595	<i>Apium graveolens</i> (Wild Celery)	Y		
142.	24991	<i>Aprasia repens</i> (Sand-plain Worm-lizard)			
143.	24285	<i>Aquila audax</i> (Wedge-tailed Eagle)			
144.		<i>Arachnura higginsii</i>			
145.		<i>Araneus cyphoxis</i>			
146.		<i>Araneus eburniventris</i>			
147.		<i>Araneus eburnus</i>			
148.	7838	<i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		
149.	38967	<i>Arcyria incarnata</i>			
150.	38969	<i>Arcyria minuta</i>			
151.	38971	<i>Arcyria occidentalis</i>			Y
152.	38973	<i>Arcyria pomiformis</i>			
153.	25558	<i>Ardea ibis</i> (Cattle Egret)			
154.	24338	<i>Ardea ibis</i> subsp. <i>coromanda</i> (Cattle Egret)			
155.	25559	<i>Ardea intermedia</i> (Intermediate Egret)			
156.	41324	<i>Ardea modesta</i> (great egret, white egret)			
157.	24340	<i>Ardea novaehollandiae</i> (White-faced Heron)			
158.	24341	<i>Ardea pacifica</i> (White-necked Heron)			
159.		<i>Argiope protensa</i>			
160.	1264	<i>Amocrinum preissii</i>			
161.	25566	<i>Artamus cinereus</i> (Black-faced Woodswallow)			
162.	24353	<i>Artamus cyanopterus</i> (Dusky Woodswallow)			
163.		<i>Artoria linnaei</i>			
164.	20752	<i>Asparagus aethiopicus</i>	Y		
165.	8779	<i>Asparagus asparagoides</i> (Bridal Creeper)	Y		
166.	1364	<i>Asphodelus fistulosus</i> (Onion Weed)	Y		
167.	20350	<i>Astartea affinis</i> (West-coast Astartea)			

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168.	20283	<i>Astartea scoparia</i> (Common Astartea)			
169.	7851	<i>Asteridea pulverulenta</i> (Common Bristle Daisy)			
170.	6323	<i>Astroloma ciliatum</i> (Candle Cranberry)			
171.	6334	<i>Astroloma pallidum</i> (Kick Bush)			
172.	6339	<i>Astroloma xerophyllum</i>			
173.		<i>Austracantha minax</i>			
174.		<i>Australomimetes aurioculatus</i>			
175.		<i>Austrammo harveyi</i>			
176.	38764	<i>Austropaxillus muelleri</i>			
177.	17234	<i>Austrostipa compressa</i>			
178.	17238	<i>Austrostipa eremophila</i>			
179.	17240	<i>Austrostipa flavescens</i>			
180.	17241	<i>Austrostipa hemipogon</i>			
181.	17246	<i>Austrostipa nitida</i>			
182.	37421	<i>Austrostipa</i> sp. Marchagee (B.R. Maslin 1407)			
183.	233	<i>Avena barbata</i> (Bearded Oat)	Y		
184.	234	<i>Avena fatua</i> (Wild Oat)	Y		
185.	24318	<i>Aythya australis</i> (Hardhead)			
186.	18279	<i>Babiana angustifolia</i>	Y		
187.	36441	<i>Babingtonia camphorosmae</i> (Camphor Myrtle)			
188.		<i>Backobourkia brounii</i>			
189.	16346	<i>Bacopa monnieri</i>	Y		
190.	38978	<i>Badhamia panicea</i>			
191.		<i>Badumna insignis</i>			
192.		<i>Ballarra longipalpus</i>			
193.	32682	<i>Banksia armata</i> var. <i>armata</i>			
194.	1800	<i>Banksia attenuata</i> (Slender Banksia, Piara)			
195.	32580	<i>Banksia dallanneyi</i> subsp. <i>dallanneyi</i> var. <i>dallanneyi</i>			
196.	1819	<i>Banksia grandis</i> (Bull Banksia, Pulgarla)			
197.	1822	<i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
198.	1830	<i>Banksia littoralis</i> (Swamp Banksia, Pungura)			
199.	1834	<i>Banksia menziesii</i> (Firewood Banksia)			
200.	32203	<i>Banksia nivea</i> subsp. <i>nivea</i>			
201.	32077	<i>Banksia sessilis</i> var. <i>cygnorum</i>			
202.	32315	<i>Barbula calycina</i>			
203.		<i>Barnardius zonarius</i>			
204.	38765	<i>Battarrea stevenii</i>			
205.	741	<i>Baumea articulata</i> (Jointed Rush)			
206.	743	<i>Baumea juncea</i> (Bare Twigrush)			
207.	744	<i>Baumea laxa</i>			
208.	745	<i>Baumea preissii</i>			
209.	17761	<i>Beaufortia aestiva</i> (Kalbarri Beaufortia)			
210.	5382	<i>Beaufortia elegans</i> (Elegant Beaufortia)			
211.	25788	<i>Billardiera fraseri</i> (Elegant Pronaya)			
212.	24319	<i>Biziura lobata</i> (Musk Duck)			
213.	1417	<i>Blancoa canescens</i> (Winter Bell)			
214.	749	<i>Bolboschoenus caldwellii</i> (Marsh Club-rush)			
215.	17665	<i>Boronia purdieana</i> subsp. <i>purdieana</i>			
216.	4438	<i>Boronia ramosa</i>			
217.	11381	<i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
218.	11564	<i>Boronia ramosa</i> subsp. <i>ramosa</i>			
219.	3710	<i>Bossiaea eriocarpa</i> (Common Brown Pea)			
220.	8661	<i>Brachypodium distachyon</i> (False Brome)	Y		
221.	7867	<i>Brachyscome bellidioides</i>			
222.	7878	<i>Brachyscome iberidifolia</i>			
223.	42381	<i>Brachyurophis semifasciatus</i> (Southern Shovel-nosed Snake)			
224.	11187	<i>Brassica barrelieri</i> subsp. <i>oxyrrhina</i> (Smooth-stem Turnip)	Y		
225.	2993	<i>Brassica fruticulosa</i> (Twiggy Turnip)	Y		
226.	3000	<i>Brassica tournefortii</i> (Mediterranean Turnip)	Y		
227.	244	<i>Briza maxima</i> (Blowfly Grass)	Y		
228.	245	<i>Briza minor</i> (Shivery Grass)	Y		
229.	249	<i>Bromus diandrus</i> (Great Brome)	Y		
230.	32331	<i>Bryum lanatum</i>			
231.	1383	<i>Burchardia bairdiae</i>			
232.	12770	<i>Burchardia congesta</i>			
233.	1385	<i>Burchardia multiflora</i> (Dwarf Burchardia)			
234.	24359	<i>Burhinus grallarius</i> (Bush Stone-curlew)			
235.	25713	<i>Cacatua galerita</i> (Sulphur-crested Cockatoo)			
236.	24721	<i>Cacatua galerita</i> subsp. <i>galerita</i> (Sulphur-crested Cockatoo)	Y		
237.	25714	<i>Cacatua pastinator</i> (Western Long-billed Corella)			

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238.	25715	<i>Cacatua roseicapilla</i> (Galah)			
239.	25716	<i>Cacatua sanguinea</i> (Little Corella)			
240.	24729	<i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
241.	25598	<i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
242.	24427	<i>Cacomantis flabelliformis</i> subsp. <i>flabelliformis</i> (Fan-tailed Cuckoo)			
243.	42307	<i>Cacomantis pallidus</i> (Pallid Cuckoo)			
244.	1276	<i>Caesia micrantha</i> (Pale Grass Lily)			
245.	1277	<i>Caesia occidentalis</i>			
246.	15330	<i>Caladenia arenicola</i>			
247.	1586	<i>Caladenia discoidea</i> (Dancing Orchid)			
248.	1592	<i>Caladenia flava</i> (Cowslip Orchid)			
249.	15348	<i>Caladenia flava</i> subsp. <i>flava</i>			
250.	1599	<i>Caladenia latifolia</i> (Pink Fairy Orchid)			
251.	15360	<i>Caladenia longicauda</i> subsp. <i>borealis</i>			
252.	15361	<i>Caladenia longicauda</i> subsp. <i>calcigena</i>			
253.	15377	<i>Caladenia reptans</i> subsp. <i>reptans</i>			
254.	18019	<i>Caladenia vulgata</i>			
255.	2848	<i>Calandrinia corrigioloides</i> (Strap Purslane)			
256.	2854	<i>Calandrinia granulifera</i> (Pygmy Purslane)			
257.	2856	<i>Calandrinia liniflora</i> (Parakeelya)			
258.	19309	<i>Calectasia narragara</i>			
259.	10861	<i>Callistachys lanceolata</i> (Wonnich)			
260.	96	<i>Callitris preissii</i> (Rottnest Island Pine, Maro)			
261.	5415	<i>Calothamnus lateral</i>			
262.	35816	<i>Calothamnus quadrifidus</i> subsp. <i>quadrifidus</i>			
263.	5428	<i>Calothamnus rupestris</i> (Mouse Ears)			
264.	5429	<i>Calothamnus sanguineus</i> (Silky-leaved Blood flower, Pindak)			
265.	25717	<i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
266.	5439	<i>Calytrix angulata</i> (Yellow Starflower)			
267.	5458	<i>Calytrix flavescens</i> (Summer Starflower)			
268.	5460	<i>Calytrix fraseri</i> (Pink Summer Calytrix)			
269.	5461	<i>Calytrix glutinosa</i>			
270.	5476	<i>Calytrix sapphirina</i>			
271.	32338	<i>Campylopus introflexus</i>	Y		
272.		<i>Carassius auratus</i>			
273.	3005	<i>Cardamine hirsuta</i> (Common Bittercress)	Y		
274.	49010	<i>Cardamine occulta</i>	Y		
275.	753	<i>Carex appressa</i> (Tall Sedge)			
276.	754	<i>Carex divisa</i> (Divided Sedge)	Y		
277.	755	<i>Carex fascicularis</i> (Tassel Sedge)			
278.	1162	<i>Cartonema phylloides</i>			
279.	2951	<i>Cassytha flava</i> (Dodder Laurel)			
280.	2952	<i>Cassytha glabella</i> (Tangled Dodder Laurel)			
281.	11211	<i>Cassytha glabella</i> forma <i>dispar</i>			
282.	2956	<i>Cassytha pomiformis</i> (Dodder Laurel)			
283.	18314	<i>Casuarina cunninghamiana</i> subsp. <i>cunninghamiana</i>	Y		
284.	13685	<i>Catapodium rigidum</i> (Rigid Fescue)	Y		
285.	26570	<i>Caulerpa obscura</i>			
286.	258	<i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
287.	6539	<i>Centaureum erythraea</i> (Common Centaury)	Y		
288.	6214	<i>Centella asiatica</i>			
289.	1121	<i>Centrolepis aristata</i> (Pointed Centrolepis)			
290.	1125	<i>Centrolepis drummondiana</i>			
291.	1131	<i>Centrolepis inconspicua</i>			
292.	2889	<i>Cerastium glomeratum</i> (Mouse Ear Chickweed)	Y		
293.	32462	<i>Ceratodon purpureus</i> subsp. <i>convolutus</i>			
294.	24086	<i>Cercartetus concinnus</i> (Western Pygmy-possum, Mundarda)			
295.		<i>Cercophonius granulatus</i>			
296.		<i>Cercophonius sulcatus</i>			
297.	17685	<i>Chaetanthes aristatus</i>			
298.	24186	<i>Chalinolobus gouldii</i> (Gould's Wattle Bat)			
299.	18156	<i>Chamaecytisus palmensis</i> (Tagasaste)	Y		
300.	1280	<i>Chamaescilla corymbosa</i> (Blue Squill)			
301.	5498	<i>Chamelaucium uncinatum</i> (Geraldton Wax)			
302.	24377	<i>Charadrius ruficapillus</i> (Red-capped Plover)			
303.	1513	<i>Chasmanthe floribunda</i> (African Cornflag)	Y		
304.	43380	<i>Chelodina colliei</i> (South-western Snake-necked Turtle)			
305.	24321	<i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
306.	2490	<i>Chenopodium glaucum</i> (Glaucous Goosefoot)	Y		
307.	2491	<i>Chenopodium macrospermum</i>	Y		

	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
308.	47909	<i>Cheramoeca leucosterna</i> (White-backed Swallow)			
309.	7925	<i>Chondrilla juncea</i> (Skeleton Weed)	Y		
310.	17833	<i>Chordifex microcodon</i>			
311.	17706	<i>Chordifex sinuosus</i>			
312.	24980	<i>Christinus marmoratus</i> (Marbled Gecko)			
313.		<i>Chroicocephalus novaehollandiae</i>			
314.	24431	<i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
315.	24432	<i>Chrysococcyx lucidus</i> subsp. <i>plagiosus</i> (Shining Bronze Cuckoo)			
316.	24288	<i>Circus approximans</i> (Swamp Harrier)			
317.	24289	<i>Circus assimilis</i> (Spotted Harrier)			
318.	7937	<i>Cirsium vulgare</i> (Spear Thistle, Scotch Thistle)	Y		
319.	24774	<i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
320.	2929	<i>Clematis pubescens</i> (Common Clematis)			
321.	38984	<i>Collaria arcyrionema</i>			
322.	25675	<i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
323.	24613	<i>Colluricincla harmonica</i> subsp. <i>rufiventris</i> (Grey Shrike-thrush)			
324.		<i>Coltricia cinnamomea</i>			
325.	38771	<i>Coltriciella dependens</i>			
326.	24399	<i>Columba livia</i> (Domestic Pigeon)	Y		
327.		<i>Colus pusillus</i>			
328.	38986	<i>Comatricha elegans</i>			
329.	38987	<i>Comatricha ellae</i>			
330.	4550	<i>Comesperma calymega</i> (Blue-spike Milkwort)			
331.	4554	<i>Comesperma flavum</i>			
332.	4564	<i>Comesperma virgatum</i> (Milkwort)			
333.	15607	<i>Conospermum acerosum</i> subsp. <i>acerosum</i>			
334.	15516	<i>Conospermum canaliculatum</i> subsp. <i>canaliculatum</i>			
335.	1876	<i>Conospermum incurvum</i> (Plume Smokebush)			
336.	1882	<i>Conospermum stoechadis</i> (Common Smokebush)			
337.	15520	<i>Conospermum stoechadis</i> subsp. <i>sclerophyllum</i>			
338.	15611	<i>Conospermum stoechadis</i> subsp. <i>stoechadis</i> (Common Smokebush)			
339.	6347	<i>Conostephium minus</i> (Pink-tipped Pearl flower)			
340.	6348	<i>Conostephium pendulum</i> (Pearl Flower)			
341.	6349	<i>Conostephium preissii</i>			
342.	1418	<i>Conostylis aculeata</i> (Prickly Conostylis)			
343.	11552	<i>Conostylis aculeata</i> subsp. <i>bromelioides</i>			
344.	11513	<i>Conostylis aculeata</i> subsp. <i>cygnorum</i>			
345.	1420	<i>Conostylis androstemma</i> (Trumpets)			
346.	1423	<i>Conostylis aurea</i> (Golden Conostylis)			
347.	1427	<i>Conostylis candicans</i> (Grey Cottonhead)			
348.	11438	<i>Conostylis candicans</i> subsp. <i>candicans</i>			
349.	1436	<i>Conostylis juncea</i>			
350.	1454	<i>Conostylis setigera</i> (Bristly Cottonhead)			
351.	11597	<i>Conostylis setigera</i> subsp. <i>setigera</i>			
352.		<i>Conostylis</i> sp.			
353.	11870	<i>Conostylis teretifolia</i> subsp. <i>teretifolia</i>			
354.	7939	<i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
355.	7941	<i>Conyza parva</i>	Y		
356.	20074	<i>Conyza sumatrensis</i>	Y		
357.	29283	<i>Coprosma repens</i>	Y		
358.	25568	<i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
359.		<i>Cormocephalus aurantiipes</i>			
360.		<i>Cormocephalus novaehollandiae</i>			
361.		<i>Cormocephalus strigosus</i>			
362.		<i>Cormocephalus turneri</i>			
363.	2891	<i>Corrigiola litoralis</i> (Strapwort)	Y		
364.	48259	<i>Cortaderia selloana</i> subsp. <i>selloana</i>	Y		
365.	38774	<i>Cortinarius archeri</i>			
366.	38776	<i>Cortinarius phalarus</i>			
367.	24416	<i>Corvus bennetti</i> (Little Crow)			
368.	25592	<i>Corvus coronoides</i> (Australian Raven)			
369.	12945	<i>Corybas recurvus</i>			
370.	17104	<i>Corymbia calophylla</i> (Marri)			
371.	1285	<i>Corynotheca micrantha</i> (Sand Lily)			
372.	11283	<i>Corynotheca micrantha</i> var. <i>micrantha</i>			
373.	7945	<i>Cotula coronopifolia</i> (Waterbuttons)	Y		
374.	7947	<i>Cotula turbinata</i> (Funnel Weed)	Y		
375.	24671	<i>Coturnix pectoralis</i> (Stubble Quail)			
376.	24420	<i>Cracticus nigrogularis</i> (Pied Butcherbird)			
377.	25595	<i>Cracticus tibicen</i> (Australian Magpie)			

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378.	25596	<i>Cracticus torquatus</i> (Grey Butcherbird)			
379.	3136	<i>Crassula alata</i>	Y		
380.	3137	<i>Crassula colorata</i> (Dense Stonecrop)			
381.	11563	<i>Crassula colorata</i> var. <i>colorata</i>			
382.	3140	<i>Crassula glomerata</i>	Y		
383.	15706	<i>Crassula natans</i> var. <i>minus</i>	Y		
384.	38998	<i>Craterium minutum</i>			
385.	24918	<i>Crenadactylus ocellatus</i> subsp. <i>ocellatus</i> (Clawless Gecko)			
386.	38780	<i>Crepidotus eucalyptorum</i>			
387.	38999	<i>Cribraria argillacea</i>			Y
388.	39003	<i>Cribraria minutissima</i>			
389.	25398	<i>Crinia georgiana</i> (Quacking Frog)			
390.	25399	<i>Crinia glauerti</i> (Clicking Frog)			
391.	25400	<i>Crinia insignifera</i> (Squelching Froglet)			
392.	13527	<i>Croninia kingiana</i>			
393.		<i>Crustulina bicrucata</i>			
394.	4809	<i>Cryptandra pungens</i>			
395.	30893	<i>Cryptoblepharus buehneri</i>			
396.	25020	<i>Cryptoblepharus plagiocephalus</i>			
397.		<i>Cryptoerithus quobba</i>			
398.	30899	<i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
399.	25027	<i>Ctenotus australis</i>			
400.	25039	<i>Ctenotus fallens</i>			
401.	25047	<i>Ctenotus impar</i>			
402.	11021	<i>Cuscuta planiflora</i>	Y		
403.	15114	<i>Cyanicula gemmata</i>			
404.	768	<i>Cyathochaeta avenacea</i>			
405.	769	<i>Cyathochaeta clandestina</i>			
406.	25087	<i>Cyclodomorphus celatus</i> (Western Slender Blue-tongue)			
407.	40660	<i>Cycnogeton huegelii</i>			
408.	24322	<i>Cygnus atratus</i> (Black Swan)			
409.	18318	<i>Cyperus involucratus</i>	Y		
410.	806	<i>Cyperus polystachyos</i> (Bunchy Sedge)			
411.	816	<i>Cyperus tenuiflorus</i> (Scaly Sedge)	Y		
412.	10916	<i>Cyrtostylis huegelii</i>			
413.	30901	<i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
414.	7454	<i>Dampiera linearis</i> (Common Dampiera)			
415.	25673	<i>Daphoenositta chrysoptera</i> (Varied Sittella)			
416.	1218	<i>Dasypogon bromeliifolius</i> (Pineapple Bush)			
417.	6218	<i>Daucus glochidiatus</i> (Australian Carrot)			
418.	3807	<i>Daviesia divaricata</i> (Marno)			
419.	18560	<i>Daviesia divaricata</i> subsp. <i>divaricata</i>			
420.	3824	<i>Daviesia nudiflora</i>			
421.	16585	<i>Daviesia nudiflora</i> subsp. <i>nudiflora</i>			
422.	3831	<i>Daviesia pedunculata</i>			
423.	3832	<i>Daviesia physodes</i>			
424.	3845	<i>Daviesia triflora</i>			
425.		<i>Delena cancerides</i>			
426.	25766	<i>Delma fraseri</i> (Fraser's Legless Lizard)			
427.	24999	<i>Delma grayii</i>			
428.	25296	<i>Demansia psammophis</i> subsp. <i>reticulata</i> (Yellow-faced Whipsnake)			
429.	24325	<i>Dendrocygna eytoni</i> (Plumed Whistling Duck)			
430.	17663	<i>Desmocladius asper</i>			
431.	17691	<i>Desmocladius fasciculatus</i>			
432.	16595	<i>Desmocladius flexuosus</i>			
433.	299	<i>Deyeuxia quadriseta</i> (Reed Bentgrass)			
434.	1259	<i>Dianella revoluta</i> (Blueberry Lily)			
435.	25607	<i>Dicaeum hirundinaceum</i> (Mistletoebird)			
436.	31597	<i>Dichondra micrantha</i>	Y		Y
437.	39018	<i>Didymium bahiense</i>			
438.	39020	<i>Didymium difforme</i>			
439.	17838	<i>Dielsia stenostachya</i>			
440.	320	<i>Digitaria sanguinalis</i> (Crab Grass)	Y		
441.		<i>Dingosa serrata</i>			
442.	24929	<i>Diplodactylus granariensis</i> subsp. <i>granariensis</i>			
443.	24939	<i>Diplodactylus polyophthalmus</i>			
444.	4453	<i>Diplolaena angustifolia</i> (Yanchep Rose)			
445.	4454	<i>Diplolaena dampieri</i> (Southern Diplolaena)			
446.	19649	<i>Disa bracteata</i>	Y		
447.	7054	<i>Dischisma arenarium</i>	Y		

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448.	7055	<i>Dischisma capitatum</i> (Woolly-headed <i>Dischisma</i>)	Y		
449.	7962	<i>Dittrichia viscosa</i>	Y		
450.	11049	<i>Diuris corymbosa</i>			
451.	1635	<i>Diuris longifolia</i> (Common Donkey Orchid)			
452.	12939	<i>Diuris magnifica</i>			
453.	48751	<i>Drosera drummondii</i>			
454.	3095	<i>Drosera erythrorhiza</i> (Red Ink Sundew)			
455.	3098	<i>Drosera glanduligera</i> (Pimpernel Sundew)			
456.	3106	<i>Drosera macrantha</i> (Bridal Rainbow)			
457.	3109	<i>Drosera menziesii</i> (Pink Rainbow)			
458.	48763	<i>Drosera micra</i>			Y
459.	48710	<i>Drosera micrantha</i>			
460.	48709	<i>Drosera minutiflora</i>			
461.	3116	<i>Drosera omissa</i> (Bright Sundew)			
462.	3118	<i>Drosera pallida</i> (Pale Rainbow)			
463.	3124	<i>Drosera pulchella</i> (Pretty Sundew)			
464.	49090	<i>Drosera</i> sp. Branched styles (S.C. Coffey 193)			
465.	2501	<i>Dysphania glomulifera</i>			
466.	32351	<i>Eccremidium pulchellum</i>			
467.	39029	<i>Echinostelium minutum</i>			
468.	25251	<i>Echiopsis curta</i> (Bardick)			
469.	25100	<i>Egernia napoleonis</i>			
470.		<i>Egretta garzetta</i>			
471.		<i>Egretta novaehollandiae</i>			
472.	11485	<i>Ehrharta brevifolia</i> var. <i>cuspidata</i>	Y		
473.	347	<i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
474.	349	<i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
475.		<i>Elanus axillaris</i>			
476.	24290	<i>Elanus caeruleus</i> subsp. <i>axillaris</i> (Australian Black-shouldered Kite)			
477.	25250	<i>Elapognathus coronatus</i> (Crowned Snake)			
478.	831	<i>Eleocharis sphacelata</i> (Tall Spikerush, Djabren)			
479.	47937	<i>Eleyornis melanops</i> (Black-fronted Dotterel)			
480.	1643	<i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
481.	39030	<i>Enerthenema papillatum</i>			
482.	47215	<i>Entoloma byssisedum</i>			
483.		<i>Eodelena convexa</i>			
484.		<i>Eolophus roseicapillus</i>			
485.	1645	<i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
486.	6132	<i>Epilobium ciliatum</i>	Y		
487.	6133	<i>Epilobium hirtigerum</i> (Hairy Willow Herb)			
488.	14289	<i>Epilobium tetragonum</i> subsp. <i>tetragonum</i>	Y		
489.	24567	<i>Epthianura albifrons</i> (White-fronted Chat)			
490.	376	<i>Eragrostis curvula</i> (African Lovegrass)	Y		
491.	13949	<i>Eremaea asterocarpa</i>			
492.	13950	<i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
493.	5541	<i>Eremaea pauciflora</i>			
494.	14104	<i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
495.	5542	<i>Eremaea purpurea</i>			
496.	15410	<i>Eriochilus dilatatus</i> subsp. <i>dilatatus</i>			
497.	15412	<i>Eriochilus dilatatus</i> subsp. <i>multiflorus</i>			
498.		<i>Eriophora biapicata</i>			
499.		<i>Ero aphana</i>			
500.	4332	<i>Erodium botrys</i> (Long Storksbill)	Y		
501.	4333	<i>Erodium cicutarium</i> (Common Storksbill)	Y		
502.	6219	<i>Eryngium pinnatifidum</i> (Blue Devils)			
503.	15446	<i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			
504.		<i>Erythracaeris decoris</i>			
505.	24379	<i>Erythronys cinctus</i> (Red-kneed Dotterel)			
506.		<i>Ethmostigmus rubripes</i>			
507.	5615	<i>Eucalyptus decipiens</i> (Limestone Marlock, Moit)			
508.	5616	<i>Eucalyptus decurva</i> (Slender Mallee)			
509.	5659	<i>Eucalyptus gomphocephala</i> (Tuart, Duart)			
510.	5708	<i>Eucalyptus marginata</i> (Jarrah, Djara)			
511.	13547	<i>Eucalyptus marginata</i> subsp. <i>marginata</i> (Jarrah)			
512.	5763	<i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
513.	5790	<i>Eucalyptus todtiana</i> (Coastal Blackbutt)			
514.	3872	<i>Euchilopsis linearis</i> (Swamp Pea)			
515.	4638	<i>Euphorbia peplus</i> (Petty Spurge)	Y		
516.	4648	<i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
517.	3880	<i>Eutaxia virgata</i>			

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518.	10765	<i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
519.	25621	<i>Falco berigora</i> (Brown Falcon)			
520.	25622	<i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
521.	24472	<i>Falco cenchroides</i> subsp. <i>cenchrionides</i> (Australian Kestrel, Nankeen Kestrel)			
522.	25623	<i>Falco longipennis</i> (Australian Hobby)			
523.	24474	<i>Falco longipennis</i> subsp. <i>longipennis</i> (Australian Hobby)			
524.	24616	<i>Falcunculus frontatus</i> subsp. <i>leucogaster</i> (Western Shrike-tit, Crested Shrike-tit)			
525.	24041	<i>Felis catus</i> (Cat)	Y		
526.	1747	<i>Ficus carica</i> (Common Fig)	Y		
527.	32369	<i>Fissidens tenellus</i>			
528.	6221	<i>Foeniculum vulgare</i> (Fennel)	Y		
529.	18392	<i>Freesia alba</i> x <i>leichtlinii</i>	Y		
530.	25727	<i>Fulica atra</i> (Eurasian Coot)			
531.	24761	<i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
532.	2969	<i>Fumaria capreolata</i> (Whiteflower Fumitory)	Y		
533.	7976	<i>Galinsoga parviflora</i> (Potato Weed)	Y		
534.	25729	<i>Gallinula tenebrosa</i> (Dusky Moorhen)			
535.	24763	<i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
536.	25730	<i>Gallirallus philippensis</i> (Buff-banded Rail)			
537.		<i>Gambusia affinis</i>			
538.	20346	<i>Gamochaeta coarctata</i>	Y		
539.	20475	<i>Gastrolobium capitatum</i>			
540.	20473	<i>Gastrolobium ebracteolatum</i>			
541.	20483	<i>Gastrolobium linearifolium</i>			
542.	42314	<i>Gavicalis virescens</i> (Singing Honeyeater)			
543.	16311	<i>Gazania linearis</i>	Y		
544.	32380	<i>Gemmabryum pachythecum</i>			
545.	32381	<i>Gemmabryum preissianum</i>			
546.	4341	<i>Geranium solanderi</i> (Native Geranium)			
547.	25530	<i>Gerygone fusca</i> (Western Gerygone)			
548.	24271	<i>Gerygone fusca</i> subsp. <i>fusca</i> (Western Gerygone)			
549.	1520	<i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
550.	7060	<i>Glossostigma diandrum</i>			
551.	47962	<i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
552.	6587	<i>Gomphocarpus fruticosus</i> (Narrowleaf Cottonbush)	Y		
553.	11051	<i>Gomphocarpus physocarpus</i>	Y		
554.	10909	<i>Gompholobium confertum</i>			
555.	3950	<i>Gompholobium knightianum</i>			
556.	11083	<i>Gompholobium scabrum</i>			
557.	3957	<i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
558.	6150	<i>Gonocarpus diffusus</i>			
559.	6160	<i>Gonocarpus paniculatus</i>			
560.	6161	<i>Gonocarpus pithyoides</i>			
561.	7538	<i>Goodenia pulchella</i>			
562.	24443	<i>Grallina cyanoleuca</i> (Magpie-lark)			
563.	14282	<i>Gratiola pubescens</i>			
564.	1982	<i>Grevillea crithmifolia</i>			
565.	2032	<i>Grevillea leucopteris</i> (White Plume Grevillea)			
566.	8836	<i>Grevillea obtusifolia</i> (Obtuse Leaved Grevillea)			
567.	15839	<i>Grevillea preissii</i> subsp. <i>preissii</i>			
568.	2119	<i>Grevillea vestita</i>			
569.	12824	<i>Grevillea vestita</i> subsp. <i>vestita</i>			
570.	5011	<i>Guichenotia ledifolia</i>			
571.		<i>Gymnopilus allantopus</i>			
572.		<i>Gymnopilus purpuratus</i>			
573.	2788	<i>Gyrostemon subnudus</i>			
574.	1468	<i>Haemodorum laxum</i>			
575.	1470	<i>Haemodorum paniculatum</i> (Mardja)			
576.	1475	<i>Haemodorum spicatum</i> (Mardja)			
577.	2146	<i>Hakea costata</i> (Ribbed Hakea)			
578.	2175	<i>Hakea lissocarpha</i> (Honey Bush)			
579.	2197	<i>Hakea prostrata</i> (Harsh Hakea)			
580.	17557	<i>Hakea recurva</i> subsp. <i>recurva</i>			
581.	2203	<i>Hakea ruscifolia</i> (Candle Hakea)			
582.	2214	<i>Hakea trifurcata</i> (Two-leaf Hakea)			
583.	2216	<i>Hakea varia</i> (Variable-leaved Hakea)			
584.	24293	<i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)			
585.	24295	<i>Haliastur sphenurus</i> (Whistling Kite)			
586.	24689	<i>Halobaena caerulea</i> (Blue Petrel)			
587.	24296	<i>Hamirostra isura</i> (Square-tailed Kite)			

	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
588.	3961	<i>Hardenbergia comptoniana</i> (Native Wisteria)			
589.	38791	<i>Hebeloma crustuliniforme</i>			
590.	25408	<i>Heleioporus albopunctatus</i> (Western Spotted Frog)			
591.	25410	<i>Heleioporus eyrei</i> (Moaning Frog)			
592.	3016	<i>Heliophila pusilla</i>	Y		
593.	8084	<i>Helminthotheca echioides</i> (Ox-tongue, Prickly Ox-tongue)	Y		
594.	11451	<i>Hemarthria uncinata</i> var. <i>uncinata</i>			
595.	16933	<i>Hemiandra glabra</i>			
596.	6836	<i>Hemiandra incana</i>			
597.	6838	<i>Hemiandra linearis</i> (Speckled Snakebush)			
598.	6839	<i>Hemiandra pungens</i> (Snakebush)			
599.	25115	<i>Hemiergis initialis</i> subsp. <i>initialis</i>			
600.	25475	<i>Hemiergis peronii</i>			
601.	25119	<i>Hemiergis quadrilineata</i>			
602.	41020	<i>Hemiphora bartlingii</i> (Woolly Dragon)			
603.		<i>Henicops dentatus</i>			
604.	1293	<i>Hensmania turbinata</i>			
605.	1526	<i>Hesperantha falcata</i>	Y		
606.	443	<i>Heteropogon contortus</i> (Bunch Speargrass)			
607.	5108	<i>Hibbertia acerosa</i> (Needle Leaved Guinea Flower)			
608.	5112	<i>Hibbertia aurea</i>			
609.	5116	<i>Hibbertia crassifolia</i>			
610.	5117	<i>Hibbertia cuneiformis</i> (Cutleaf Hibbertia)			
611.	5134	<i>Hibbertia huegelii</i>			
612.	5135	<i>Hibbertia hypericoides</i> (Yellow Buttercups)			
613.	45534	<i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
614.	5154	<i>Hibbertia perfoliata</i>			
615.	5162	<i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
616.	43280	<i>Hibbertia sericosepala</i>			
617.	48381	<i>Hibbertia striata</i>			
618.	5173	<i>Hibbertia subvaginata</i>			
619.	47965	<i>Hieraaetus morphnoides</i> (Little Eagle)			
620.	25734	<i>Himantopus himantopus</i> (Black-winged Stilt)			
621.	24491	<i>Hirundo neoxena</i> (Welcome Swallow)			
622.		<i>Hogna crispipes</i>			
623.		<i>Hogna immansueta</i>			
624.		<i>Hohenbuehelia petaloides</i>			
625.	444	<i>Holcus lanatus</i> (Yorkshire Fog)	Y		
626.	6222	<i>Homalosciadium homalocarpum</i>			
627.	449	<i>Hordeum leporinum</i> (Barley Grass)	Y		
628.	3966	<i>Hovea pungens</i> (Devil's Pins, Puyenak)			
629.	3968	<i>Hovea trisperma</i> (Common Hovea)			
630.	12859	<i>Hovea trisperma</i> var. <i>trisperma</i>			
631.	18296	<i>Humulus lupulus</i>	Y		
632.	5216	<i>Hybanthus calycinus</i> (Wild Violet)			
633.	452	<i>Hyparrhenia hirta</i> (Tambookie Grass)	Y		
634.	5817	<i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
635.	35070	<i>Hypocalymma angustifolium</i> subsp. <i>Swan Coastal Plain</i> (G.J. Keighery 16777)			
636.	5825	<i>Hypocalymma robustum</i> (Swan River Myrtle)			
637.	8086	<i>Hypochaeris glabra</i> (Smooth Catsear)	Y		
638.	1070	<i>Hypolaena exsulca</i>			
639.		<i>Idiomma blackwalli</i>			
640.	48529	<i>Inocybe isabellina</i>			
641.	48535	<i>Inocybe memorialis</i>			
642.	48545	<i>Inocybe sabulosa</i>			
643.	48549	<i>Inocybe subferruginea</i>			
644.	48550	<i>Inocybe subflavospora</i>			
645.	6620	<i>Ipomoea cairica</i> (Coast Morning Glory)	Y		
646.	910	<i>Isolepis cernua</i> (Nodding Club-rush)			
647.	20200	<i>Isolepis cernua</i> var. <i>setiformis</i>			
648.	912	<i>Isolepis cyperoides</i>			
649.	917	<i>Isolepis marginata</i> (Coarse Club-rush)			
650.	919	<i>Isolepis oldfieldiana</i>			
651.	921	<i>Isolepis producta</i>			
652.		<i>Isometroides vescus</i>			
653.		<i>Isopeda leishmanni</i>			
654.	7396	<i>Isotoma hypocrateriformis</i> (Woodbridge Poison)			
655.	3992	<i>Isotropis cuneifolia</i> (Granny Bonnets)			
656.	19700	<i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i>			
657.	14783	<i>Jacksonia calcicola</i>			

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658.	4010	<i>Jacksonia floribunda</i> (Holly Pea)			
659.	4012	<i>Jacksonia furcellata</i> (Grey Stinkwood)			
660.	4029	<i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
661.	1295	<i>Johnsonia acaulis</i>			
662.	1298	<i>Johnsonia pubescens</i> (Pipe Lily)			
663.	8328	<i>Juncus amabilis</i>			
664.	1188	<i>Juncus pallidus</i> (Pale Rush)			
665.		<i>Karaops jarrit</i>			
666.	4037	<i>Kennedia coccinea</i> (Coral Vine)			
667.	4044	<i>Kennedia prostrata</i> (Scarlet Runner)			
668.	15498	<i>Kunzea glabrescens</i> (Spearwood)			
669.	17461	<i>Kunzea micrantha</i> subsp. <i>micrantha</i>			
670.	17505	<i>Kunzea praestans</i>			
671.	5841	<i>Kunzea recurva</i>			
672.		<i>Laccaria canaliculata</i>			
673.		<i>Laccaria lateritia</i>			
674.	38802	<i>Laccocephalum tumulosum</i>			
675.	16091	<i>Lachenalia bulbifera</i>	Y		
676.	1370	<i>Lachenalia reflexa</i>	Y		
677.	20019	<i>Lachnagrostis filiiformis</i>			
678.	38803	<i>Lachnum virgineum</i>			
679.	18585	<i>Lagenophora huegelii</i>			
680.	467	<i>Lagurus ovatus</i> (Hare's Tail Grass)	Y		
681.		<i>Lampona cylindrata</i>			
682.		<i>Lamponella kimba</i>			
683.		<i>Lamponina elongata</i>			
684.	25637	<i>Larus novaehollandiae</i> (Silver Gull)			
685.	24511	<i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
686.	4052	<i>Latrobea tenella</i>			
687.		<i>Latrodectus hasseltii</i>			
688.	38324	<i>Lavandula dentata</i> var. <i>candicans</i>	Y		
689.	1307	<i>Laxmannia ramosa</i> (Branching Lily)			
690.	11911	<i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
691.	11464	<i>Laxmannia sessiliflora</i> subsp. <i>australis</i>			
692.	1309	<i>Laxmannia squarrosa</i>			
693.	7568	<i>Lechenaultia biloba</i> (Blue Leschenaultia)			
694.	7574	<i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
695.	6880	<i>Leonotis leonurus</i> (Lion's Ear)	Y		
696.	44490	<i>Leontodon rhagadioloides</i>	Y		
697.	18074	<i>Lepidobolus preissianus</i> subsp. <i>preissianus</i>			
698.	925	<i>Lepidosperma angustatum</i>			
699.	42742	<i>Lepidosperma calcicola</i>			
700.	937	<i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
701.	940	<i>Lepidosperma pubisquameum</i>			
702.	944	<i>Lepidosperma scabrum</i>			
703.		<i>Lepidosperma</i> sp.			
704.	945	<i>Lepidosperma squamatum</i>			
705.	946	<i>Lepidosperma striatum</i>			
706.	1653	<i>Leporella fimbriata</i> (Hare Orchid)			
707.	1080	<i>Leptocarpus scariosus</i>			
708.	15418	<i>Leptoceras menziesii</i>			
709.	2344	<i>Leptomeria empetriflora</i>			
710.	2350	<i>Leptomeria pauciflora</i> (Sparse-flowered Currant Bush)			
711.	5850	<i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
712.	5857	<i>Leptospermum spinescens</i>			
713.	1088	<i>Lepyrodia macra</i> (Large Scale Rush)			
714.	1090	<i>Lepyrodia muirii</i>			
715.	25133	<i>Lerista elegans</i>			
716.	25148	<i>Lerista lineopunctulata</i>			
717.	25165	<i>Lerista praepedita</i>			
718.	19821	<i>Lessertia frutescens</i>	Y		
719.	46454	<i>Leucoagaricus leucothites</i>			
720.	6360	<i>Leucopogon australis</i> (Spiked Beard-heath)			
721.	6374	<i>Leucopogon conostephioides</i>			
722.	6405	<i>Leucopogon insularis</i>			
723.	6420	<i>Leucopogon oldfieldii</i>			
724.	6425	<i>Leucopogon oxycedrus</i>			
725.	6427	<i>Leucopogon parviflorus</i> (Coast Beard-heath)			
726.	6434	<i>Leucopogon polymorphus</i>			
727.	6436	<i>Leucopogon propinquus</i>			

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728.	40803	<i>Leucopogon squarrosus</i> subsp. <i>squarrosus</i>			
729.	7676	<i>Levenhookia pusilla</i> (Midget Stylewort)			
730.	7677	<i>Levenhookia stipitata</i> (Common Stylewort)			
731.	25005	<i>Lialis burtonis</i>			
732.	39041	<i>Licea kleistobolus</i>			
733.	25659	<i>Lichenostomus leucotis</i> (White-eared Honeyeater)			
734.	25661	<i>Lichmera indistincta</i> (Brown Honeyeater)			
735.	25415	<i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
736.	6489	<i>Limonium sinuatum</i> (Perennial Sea Lavender)	Y		
737.	42461	<i>Limosa haemastica</i> (Hudsonian Godwit)	Y		Y
738.	7075	<i>Linaria maroccana</i>	Y		
739.	4364	<i>Linum usitatissimum</i> (Flax)	Y		
740.	36160	<i>Liparophyllum capitatum</i>			
741.	25378	<i>Litoria adelaidensis</i> (Slender Tree Frog)			
742.	25388	<i>Litoria moorei</i> (Motorbike Frog)			
743.	9289	<i>Lobelia anceps</i> (Angled Lobelia)			
744.	7402	<i>Lobelia gibbosa</i> (Tall Lobelia)			
745.	7407	<i>Lobelia rhytidosperra</i> (Wrinkled-seeded Lobelia)			
746.	7408	<i>Lobelia tenuior</i> (Slender Lobelia)			
747.	36860	<i>Lobelia tenuior</i> subsp. <i>dictyosperma</i>			Y
748.	3048	<i>Lobularia maritima</i> (Sweet Alyssum)	Y		
749.	11073	<i>Lolium x hybridum</i>	Y		
750.	1223	<i>Lomandra caespitosa</i> (Tufted Mat Rush)			
751.	1228	<i>Lomandra hermaphrodita</i>			
752.	1232	<i>Lomandra micrantha</i> (Small-flower Mat-rush)			
753.	1234	<i>Lomandra nigricans</i>			
754.	1236	<i>Lomandra odora</i> (Tiered Matrush)			
755.	1239	<i>Lomandra preissii</i>			
756.	1246	<i>Lomandra suaveolens</i>			
757.	25683	<i>Lonchura castaneothorax</i> (Chestnut-breasted Mannikin)			
758.		<i>Longepi woodman</i>			
759.	4059	<i>Lotus angustissimus</i> (Narrowleaf Trefoil)	Y		
760.	8564	<i>Lotus subbiflorus</i>	Y		
761.	44680	<i>Ludwigia repens</i>	Y		
762.	1198	<i>Luzula meridionalis</i> (Field Woodrush)			
763.		<i>Lycosa austicola</i>			Y
764.		<i>Lycosa australicola</i>			
765.		<i>Lycosa gilberta</i>			
766.		<i>Lycosa godeffroyi</i>			
767.	1097	<i>Lyginia barbata</i>			
768.	18049	<i>Lyginia imberbis</i>			
769.	6456	<i>Lysinema ciliatum</i> (Curry Flower)			
770.	34736	<i>Lysinema pentapetalum</i>			
771.	5281	<i>Lythrum hyssopifolia</i> (Lesser Loosestrife)	Y		
772.	2838	<i>Macarthuria apetala</i>			
773.	2839	<i>Macarthuria australis</i>			
774.	24132	<i>Macropus fuliginosus</i> (Western Grey Kangaroo)			
775.	18119	<i>Macrozamia fraseri</i>			
776.	85	<i>Macrozamia riedlei</i> (Zamia, Djiridji)			
777.	24326	<i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
778.	25651	<i>Malurus lamberti</i> (Variegated Fairy-wren)			
779.	25652	<i>Malurus leucopterus</i> (White-winged Fairy-wren)			
780.	25654	<i>Malurus splendens</i> (Splendid Fairy-wren)			
781.	24552	<i>Malurus splendens</i> subsp. <i>splendens</i> (Splendid Fairy-wren)			
782.	24583	<i>Manorina flavigula</i> (Yellow-throated Miner)			
783.		<i>Maratus chrysomelas</i>			
784.		<i>Maratus pavonis</i>			
785.		<i>Maratus spicatus</i>			
786.		<i>Masasteron tuart</i>			
787.	25758	<i>Megalurus gramineus</i> (Little Grassbird)			
788.	34676	<i>Meionectes brownii</i> (Swamp Raspwort)			
789.	5936	<i>Melaleuca megacephala</i>			
790.	5952	<i>Melaleuca preissiana</i> (Moonah)			
791.	5959	<i>Melaleuca raphiophylla</i> (Swamp Paperbark)			
792.	5964	<i>Melaleuca seriata</i>			
793.	18598	<i>Melaleuca systema</i>			
794.	5983	<i>Melaleuca trichophylla</i>			
795.	47997	<i>Melanodryas cucullata</i> (Hooded Robin)			
796.		<i>Melanoleuca fusca</i>			
797.	4516	<i>Melia azedarach</i> (White Cedar)			

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798.	4085	<i>Melilotus indicus</i>	Y		
799.	25663	<i>Melithreptus brevirostris</i> (Brown-headed Honeyeater)			
800.	25184	<i>Menetia greyii</i>			
801.	24598	<i>Merops ornatus</i> (Rainbow Bee-eater)			
802.	953	<i>Mesomelaena graciliceps</i>			
803.	955	<i>Mesomelaena pseudostygia</i>			
804.		<i>Microcarbo melanoleucos</i>			
805.	485	<i>Microlaena stipoides</i> (Weeping Grass)			
806.	1658	<i>Microtis atrata</i> (Swamp Mignonette Orchid)			
807.	10954	<i>Microtis media</i> (Tall Mignonette Orchid)			
808.	15419	<i>Microtis media</i> subsp. <i>media</i>			
809.	8105	<i>Millotia myosotidifolia</i>			
810.	8106	<i>Millotia tenuifolia</i> (Soft Millotia)			
811.	4100	<i>Mirbelia spinosa</i>			
812.		<i>Missulena granulosa</i>			
813.		<i>Missulena occatoria</i>			
814.		<i>Mituliodon tarantulinus</i>			
815.		<i>Mitzoruga insularis</i>			
816.		<i>Molycris vokes</i>			
817.	29418	<i>Monoculus monstrosus</i>	Y		
818.	4662	<i>Monotaxis grandiflora</i> (Diamond of the Desert)			
819.	19585	<i>Monotaxis grandiflora</i> var. <i>grandiflora</i>			
820.	4666	<i>Monotaxis occidentalis</i>			
821.	19179	<i>Moraea flaccida</i> (One-leaf Cape Tulip)	Y		
822.	25240	<i>Morelia spilota</i> subsp. <i>imbricata</i> (Carpet Python)			
823.	25191	<i>Morethia lineocellata</i>			
824.	25192	<i>Morethia obscura</i>			
825.	2415	<i>Muehlenbeckia polybotrya</i>			
826.	24223	<i>Mus musculus</i> (House Mouse)	Y		
827.		<i>Myandra bicincta</i>			
828.		<i>Myandra cambridgei</i>			
829.	25610	<i>Myiagra inquieta</i> (Restless Flycatcher)			
830.	25420	<i>Myobatrachus gouldii</i> (Turtle Frog)			
831.	7289	<i>Myoporum caprarioides</i> (Slender Myoporum)			
832.	6199	<i>Myriophyllum tillaeoides</i>			
833.	138	<i>Najas marina</i> (Prickly Water Nymph)			
834.	44496	<i>Narcissus tazetta</i> subsp. <i>italicus</i>	Y		
835.	25248	<i>Neelaps bimaculatus</i> (Black-naped Snake)			
836.	19161	<i>Nemesia strumosa</i>	Y		
837.	24738	<i>Neophema elegans</i> (Elegant Parrot)			
838.		<i>Nephila edulis</i>			
839.	492	<i>Neurachne alopecuroides</i> (Foxtail Mulga Grass)			
840.		<i>Nicodamus mainae</i>			
841.	25747	<i>Ninox connivens</i> (Barking Owl)			
842.	25252	<i>Notechis scutatus</i> (Tiger Snake)			
843.		<i>Notiasemus glauerti</i>			
844.	2401	<i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
845.	25564	<i>Nycticorax caledonicus</i> (Rufous Night Heron)			
846.	24742	<i>Nymphicus hollandicus</i> (Cockatiel)			
847.	24407	<i>Ocyphaps lophotes</i> (Crested Pigeon)			
848.		<i>Oecobius navus</i>			
849.	6138	<i>Oenothera drummondii</i> (Beach Evening Primrose)	Y		
850.	16390	<i>Oenothera drummondii</i> subsp. <i>drummondii</i>	Y		
851.	35416	<i>Oenothera lindheimeri</i>	Y		
852.	6142	<i>Oenothera stricta</i> (Common Evening Primrose)	Y		
853.	6503	<i>Olea europaea</i> (Olive)	Y		
854.	8133	<i>Olearia elaeophila</i>			
855.	8149	<i>Olearia rudis</i> (Rough Daisybush)			
856.		<i>Ommatoiulus moreleti</i>			
857.		<i>Ommatoiulus moreletii</i>			
858.	38816	<i>Omphalotus nidiformis</i>			
859.	18255	<i>Opercularia vaginata</i> (Dog Weed)			
860.	36177	<i>Ornduffia albiflora</i>			
861.	4114	<i>Ornithopus pinnatus</i> (Slender Serradella)	Y		
862.	7122	<i>Orobancha minor</i> (Lesser Broomrape)	Y		
863.	1537	<i>Orthrosanthus laxus</i> (Morning Iris)			
864.	11749	<i>Orthrosanthus laxus</i> var. <i>laxus</i> (Morning Iris)			
865.	24085	<i>Oryctolagus cuniculus</i> (Rabbit)	Y		
866.	17756	<i>Osteospermum ecklonis</i>	Y		
867.	4352	<i>Oxalis glabra</i>	Y		

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868.	4356	<i>Oxalis pes-caprae</i> (Soursob)	Y		
869.	4358	<i>Oxalis purpurea</i> (Largeflower Wood Sorrel)	Y		
870.		<i>Ozarchaea westraliensis</i>			
871.	25680	<i>Pachycephala rufiventris</i> (Rufous Whistler)			
872.	24624	<i>Pachycephala rufiventris</i> subsp. <i>rufiventris</i> (Rufous Whistler)			
873.	24693	<i>Pachyptila desolata</i> (Antarctic Prion)			
874.	38817	<i>Panaeolus papilionaceus</i>			
875.		<i>Parus fasciatus</i>			
876.	39056	<i>Paradiacheopsis fimbriata</i>			
877.		<i>Paralampona marangaroo</i>			
878.		<i>Paraplectanoides crassipes</i>			
879.	17114	<i>Paraserianthes lophantha</i> subsp. <i>lophantha</i>			
880.	25253	<i>Parasuta gouldii</i>			
881.	25255	<i>Parasuta nigriceps</i>			
882.	25681	<i>Pardalotus punctatus</i> (Spotted Pardalote)			
883.	25682	<i>Pardalotus striatus</i> (Striated Pardalote)			
884.	527	<i>Paspalum dilatatum</i>	Y		
885.	532	<i>Paspalum urvillei</i> (Vasey Grass)	Y		
886.	25687	<i>Passer domesticus</i> (House Sparrow)	Y		
887.	24641	<i>Passer domesticus</i> subsp. <i>domesticus</i> (House Sparrow)	Y		Y
888.	1546	<i>Patersonia juncea</i> (Rush Leaved Patersonia)			
889.	1550	<i>Patersonia occidentalis</i> (Purple Flag, Koma)			
890.	30472	<i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
891.		<i>Pediana occidentalis</i>			
892.	4343	<i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
893.	24648	<i>Pelecanus conspicillatus</i> (Australian Pelican)			
894.	40423	<i>Pentameris airoides</i> (False Hairgrass)	Y		
895.	40422	<i>Pentameris pallida</i>	Y		
896.	48805	<i>Pentameris patula</i>	Y		
897.	6006	<i>Pericalymma ellipticum</i> (Swamp Teatree)			
898.	16477	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
899.	39057	<i>Perichaena corticalis</i>			
900.	39058	<i>Perichaena depressa</i>			
901.	39059	<i>Perichaena vermicularis</i>			
902.	13911	<i>Persicaria decipiens</i>			
903.	16984	<i>Persicaria lapathifolia</i>	Y		
904.	2258	<i>Persoonia comata</i>			
905.	2273	<i>Persoonia saccata</i> (Snottygobble)			
906.	48060	<i>Petrochelidon ariel</i> (Fairy Martin)			
907.	48061	<i>Petrochelidon nigricans</i> (Tree Martin)			
908.	48066	<i>Petroica boodang</i> (Scarlet Robin)			
909.	24659	<i>Petroica goodenovii</i> (Red-capped Robin)			
910.	20368	<i>Petrophile axillaris</i>			
911.	2286	<i>Petrophile brevifolia</i>			
912.	48781	<i>Petrophile brevifolia</i> subsp. <i>brevifolia</i>			
913.	2299	<i>Petrophile linearis</i> (Pixie Mops)			
914.	2301	<i>Petrophile macrostachya</i>			
915.	19825	<i>Petrorhagia dubia</i>	Y		
916.		<i>Peziza repanda</i>			
917.		<i>Peziza</i> sp.			
918.	25697	<i>Phalacrocorax carbo</i> (Great Cormorant)			
919.	25698	<i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
920.	24667	<i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
921.	25699	<i>Phalacrocorax varius</i> (Pied Cormorant)			
922.	24409	<i>Phaps chalcoptera</i> (Common Bronzewing)			
923.	25587	<i>Phaps elegans</i> (Brush Bronzewing)			
924.	20460	<i>Pheladenia deformis</i>			
925.		<i>Phellinus gilvus</i>			
926.		<i>Phenasteron longiconductor</i>			
927.		<i>Phenasteron machinosum</i>			Y
928.	18529	<i>Philothea spicata</i> (Pepper and Salt)			
929.	1478	<i>Phlebocarya ciliata</i>			
930.		<i>Pholiota communis</i>			
931.		<i>Pholiota highlandensis</i>			
932.	6734	<i>Phyla nodiflora</i> var. <i>nodiflora</i>	Y		
933.	48071	<i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
934.	24596	<i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
935.	16825	<i>Phyllangium divergens</i>			
936.	16177	<i>Phyllangium paradoxum</i>			
937.	4675	<i>Phyllanthus calycinus</i> (False Boronia)			

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938.	17794	<i>Phyllanthus tenellus</i>	Y		
939.	39074	<i>Physarum pusillum</i>			
940.	39077	<i>Physarum straminipes</i>			Y
941.	39079	<i>Physarum viride</i>			
942.	2793	<i>Phytolacca octandra</i> (Red Ink Plant)	Y		
943.		<i>Phytophthora cinnamomi</i>			
944.	49071	<i>Picipes badius</i>			
945.	6011	<i>Pileanthus peduncularis</i> (Coppercups)			
946.	5232	<i>Pimelea argentea</i> (Silvery Leaved Pimelea)			
947.	5244	<i>Pimelea floribunda</i>			
948.	5254	<i>Pimelea leucantha</i>			
949.	5268	<i>Pimelea sulphurea</i> (Yellow Banjine)			
950.	48975	<i>Pisolithus microcarpus</i>			
951.		<i>Pisolithus</i> sp.			
952.	8165	<i>Pithocarpa pulchella</i> (Beautiful Pithocarpa)			
953.	18352	<i>Pithocarpa pulchella</i> var. <i>melanostigma</i>			
954.	18353	<i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
955.	19744	<i>Pittosporum angustifolium</i>			
956.	19745	<i>Pittosporum ligustrifolium</i>			
957.	7299	<i>Plantago debilis</i>			
958.	7304	<i>Plantago major</i> (Greater Plantain)	Y		
959.	24841	<i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
960.	24842	<i>Platalea regia</i> (Royal Spoonbill)			
961.		<i>Platycephalus endrachtensis</i>			
962.		<i>Platycephalus</i> sp.			
963.	25720	<i>Platycercus icterotis</i> (Western Rosella)			
964.	24747	<i>Platycercus spurius</i> (Red-capped Parrot)			
965.	25721	<i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
966.	6249	<i>Platysace compressa</i> (Tapeworm Plant)			
967.	4524	<i>Platytheca galioides</i>			
968.	25509	<i>Pletholax gracilis</i> (Keeled Legless Lizard)			
969.	25007	<i>Pletholax gracilis</i> subsp. <i>gracilis</i> (Keeled Legless Lizard)			
970.	578	<i>Poa porphyroclados</i>			
971.	25703	<i>Podargus strigoides</i> (Tawny Frogmouth)			
972.	24679	<i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			
973.	25704	<i>Podiceps cristatus</i> (Great Crested Grebe)			
974.	24680	<i>Podiceps cristatus</i> subsp. <i>australis</i> (Great Crested Grebe)			
975.	8175	<i>Podolepis gracilis</i> (Slender Podolepis)			
976.	8179	<i>Podolepis nutans</i> (Nodding Podolepis)			
977.	8182	<i>Podotheca angustifolia</i> (Sticky Longheads)			
978.	8183	<i>Podotheca chrysantha</i> (Yellow Podotheca)			
979.	8184	<i>Podotheca gnaphalioides</i> (Golden Long-heads)			
980.	25510	<i>Pogona minor</i> (Dwarf Bearded Dragon)			
981.	24907	<i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
982.	24681	<i>Poliiocephalus poliocephalus</i> (Hoary-headed Grebe)			
983.	582	<i>Polypogon monspeliensis</i> (Annual Beardgrass)	Y		
984.		<i>Polytelis swainsonii</i>			Y
985.	4689	<i>Poranthera ericoides</i> (Heath Poranthera)			
986.	4691	<i>Poranthera microphylla</i> (Small Poranthera)			
987.	44729	<i>Porostereum crassum</i>			
988.	25731	<i>Porphyrio porphyrio</i> (Purple Swamphen)			
989.	24767	<i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swamphen)			
990.	24769	<i>Porzana fluminea</i> (Australian Spotted Crane)			
991.	25732	<i>Porzana pusilla</i> (Baillon's Crane)			
992.	24771	<i>Porzana tabuensis</i> (Spotless Crane)			
993.	122	<i>Posidonia angustifolia</i>			
994.	109	<i>Potamogeton crispus</i> (Curly Pondweed)			
995.	1672	<i>Prasophyllum fimbria</i> (Fringed Leek Orchid)			
996.	1676	<i>Prasophyllum hians</i> (Yawning Leek Orchid)			
997.	1680	<i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
998.	10853	<i>Prasophyllum plumiforme</i>			
999.		<i>Prionosternum nitidiceps</i>			
1000.		<i>Prionosternum scutatum</i>			
1001.	25261	<i>Pseudechis australis</i> (Mulga Snake)			
1002.	8189	<i>Pseudognaphalium luteoalbum</i> (Jersey Cudweed)			
1003.		<i>Pseudogobius olorum</i>			
1004.		<i>Pseudolampona woodman</i>			
1005.	24230	<i>Pseudomys albocinereus</i> (Ash-grey Mouse)			
1006.	25511	<i>Pseudonaja affinis</i> (Dugite)			
1007.	25259	<i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			

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1008.	25433	<i>Pseudophryne guentheri</i> (Crawling Toadlet)			
1009.	38830	<i>Psilocybe coprophila</i>			
1010.	41651	<i>Pteridium esculentum</i> subsp. <i>esculentum</i>			
1011.	13255	<i>Pterochaeta paniculata</i>			
1012.		<i>Pterostylis</i> aff. <i>nana</i>			
1013.	15426	<i>Pterostylis aspera</i>			
1014.	17267	<i>Pterostylis brevisepala</i>			
1015.	1687	<i>Pterostylis dilatata</i>			
1016.	44723	<i>Pterostylis glebosa</i>			
1017.	1693	<i>Pterostylis recurva</i> (Jug Orchid)			
1018.	12217	<i>Pterostylis sanguinea</i>			
1019.	1698	<i>Pterostylis vittata</i> (Banded Greenhood)			
1020.	2718	<i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
1021.	11260	<i>Ptilotus drummondii</i> var. <i>drummondii</i> (Pussytail)			
1022.	2742	<i>Ptilotus manglesii</i> (Pom Poms, Mulamula)			
1023.	2751	<i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
1024.	15856	<i>Ptilotus sericostachyus</i> subsp. <i>sericostachyus</i>			
1025.	4181	<i>Pultenaea reticulata</i>			
1026.	42344	<i>Purnella albifrons</i> (White-fronted Honeyeater)			
1027.		<i>Purpureicephalus spurius</i>			
1028.	48835	<i>Pycnopus coccineus</i>			
1029.	25008	<i>Pygopus lepidopodus</i> (Common Scaly Foot)			
1030.	16367	<i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
1031.	8195	<i>Quinetia urvillei</i>			
1032.	32480	<i>Racopilum cuspidigerum</i> var. <i>convolutaceum</i>			
1033.	3061	<i>Raphanus raphanistrum</i> (Wild Radish)	Y		
1034.	24245	<i>Rattus rattus</i> (Black Rat)	Y		
1035.		<i>Raveniella cirrata</i>			
1036.		<i>Raveniella peckorum</i>			
1037.	24776	<i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
1038.	6012	<i>Regelia ciliata</i>			
1039.	6014	<i>Regelia inops</i>			
1040.		<i>Resupinatus trichotis</i>			Y
1041.	18547	<i>Rhadinothamnus anceps</i>			
1042.	48096	<i>Rhipidura albiscapa</i> (Grey Fantail)			
1043.	25614	<i>Rhipidura leucophrys</i> (Willie Wagtail)			
1044.	24454	<i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
1045.	38834	<i>Rhizopogon roseolus</i>			
1046.	13300	<i>Rhodanthe citrina</i>			
1047.	4695	<i>Ricinocarpos glaucus</i>			
1048.	19942	<i>Ricinocarpos undulatus</i>			
1049.		<i>Rickenella fibula</i>			
1050.	1554	<i>Romulea flava</i>	Y		
1051.	14485	<i>Romulea flava</i> var. <i>minor</i>	Y		
1052.	1556	<i>Romulea rosea</i> (Guildford Grass)	Y		
1053.	11544	<i>Romulea rosea</i> var. <i>australis</i> (Guildford Grass)	Y		
1054.	44608	<i>Rosulabryum billardieri</i>			
1055.	2429	<i>Rumex acetosella</i> (Sorrel)	Y		
1056.	46434	<i>Rumex hypogaeus</i>	Y		
1057.	48906	<i>Russula delicata</i>			
1058.	38836	<i>Russula erumpens</i>			
1059.	40425	<i>Rytidosperma caespitosum</i>			
1060.	40426	<i>Rytidosperma occidentale</i>			
1061.	2906	<i>Sagina apetala</i> (Annual Pearlwort)	Y		
1062.	79	<i>Salvinia molesta</i> (Salvinia)	Y		
1063.	7368	<i>Scabiosa atropurpurea</i> (Purple Pincushion)	Y		
1064.	7603	<i>Scaevola canescens</i> (Grey Scaevola)			
1065.	7614	<i>Scaevola globulifera</i>			
1066.	13181	<i>Scaevola repens</i> var. <i>angustifolia</i>			
1067.	13182	<i>Scaevola repens</i> var. <i>repens</i>			
1068.	13152	<i>Scaevola thesioides</i> subsp. <i>thesioides</i>			
1069.	48834	<i>Schinus terebinthifolia</i>	Y		
1070.		<i>Schizophyllum commune</i>			
1071.	6263	<i>Schoenolaena juncea</i>			
1072.	48356	<i>Schoenoplectus tabernaemontani</i>			
1073.	978	<i>Schoenus brevisetis</i>			
1074.	984	<i>Schoenus curvifolius</i>			
1075.	987	<i>Schoenus elegans</i>			
1076.	992	<i>Schoenus grandiflorus</i> (Large Flowered Bogrue)			
1077.	1002	<i>Schoenus nanus</i> (Tiny Bog Rush)			

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1078.	1007	<i>Schoenus pedicellatus</i>			
1079.	17614	<i>Schoenus plumosus</i>			
1080.	1013	<i>Schoenus sculptus</i> (Gimlet Bog-rush)			
1081.	1018	<i>Schoenus subfascicularis</i>			
1082.	17409	<i>Schoenus variicellae</i>			
1083.	6033	<i>Scholtzia involocrata</i> (Spiked Scholtzia)			
1084.		<i>Scolopendra laeta</i>			
1085.	20663	<i>Senecio multicaulis</i> subsp. <i>multicaulis</i>			
1086.	25884	<i>Senecio pinnatifolius</i> var. <i>latilobus</i>			
1087.	8220	<i>Senecio vulgaris</i> (Common Groundsel)	Y		
1088.	25534	<i>Sericornis frontalis</i> (White-browed Scrubwren)			
1089.		<i>Servaea melaina</i>			
1090.	2909	<i>Silene gallica</i> (French Catchfly)	Y		
1091.	15972	<i>Silene gallica</i> var. <i>gallica</i>	Y		
1092.	2910	<i>Silene nocturna</i> (Mediterranean Catchfly)	Y		
1093.	8225	<i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
1094.		<i>Simonus lineatus</i>			Y
1095.	25266	<i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
1096.		<i>Smeringopus natalensis</i>			
1097.	30948	<i>Smicromis brevirostris</i> (Weebill)			
1098.		<i>Solaenodolichopus pruvoti</i>			
1099.	47173	<i>Solanum lycopersicum</i> (Tomato)	Y		
1100.	7022	<i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
1101.	48866	<i>Solanum nitidibaccatum</i>	Y		
1102.	7035	<i>Solanum sisymbriifolium</i> (Viscid Nightshade)	Y		
1103.	7037	<i>Solanum symonii</i>			
1104.	8231	<i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
1105.	1312	<i>Sowerbaea laxiflora</i> (Purple Tassels)			
1106.	1560	<i>Sparaxis pillansii</i> (Harlequin Flower)	Y		
1107.	4713	<i>Stachystemon axillaris</i> (Leafy Stachystemon)			
1108.	9069	<i>Stackhousia huegelii</i>			
1109.		<i>Steatoda capensis</i>			
1110.	2918	<i>Stellaria media</i> (Chickweed)	Y		
1111.	40882	<i>Stemonitopsis hyperopta</i>			
1112.	15066	<i>Stenanthemum notiale</i> subsp. <i>chamelum</i>			
1113.	19403	<i>Stenopetalum gracile</i>			
1114.	38840	<i>Stereum hirsutum</i>			
1115.	24329	<i>Stictonetta naevosa</i> (Freckled Duck)			
1116.	2316	<i>Stirlingia latifolia</i> (Blueboy)			
1117.	25597	<i>Strepera versicolor</i> (Grey Currawong)			
1118.	25589	<i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
1119.	25590	<i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
1120.	25518	<i>Strophurus spinigerus</i>			
1121.	24943	<i>Strophurus spinigerus</i> subsp. <i>inornatus</i>			
1122.	24942	<i>Strophurus spinigerus</i> subsp. <i>spinigerus</i>			
1123.	7679	<i>Stylidium adpressum</i> (Trigger-on-stilts)			
1124.	30278	<i>Stylidium androsaceum</i>			
1125.	25831	<i>Stylidium araeophyllum</i> (Stilt Walker)			
1126.	7693	<i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
1127.	7694	<i>Stylidium bulbiferum</i> (Circus Triggerplant)			
1128.	7696	<i>Stylidium calcaratum</i> (Book Triggerplant)			
1129.	7699	<i>Stylidium carnosum</i> (Fleshy-leaved Triggerplant)			
1130.	7709	<i>Stylidium crossocephalum</i> (Posy Triggerplant)			
1131.	7710	<i>Stylidium cygnorum</i>			
1132.	7713	<i>Stylidium dichotomum</i> (Pins-and-needles)			
1133.	7716	<i>Stylidium diuroides</i> (Donkey Triggerplant)			
1134.	11808	<i>Stylidium diuroides</i> subsp. <i>diuroides</i>			
1135.	7734	<i>Stylidium guttatum</i> (Dotted Triggerplant)			
1136.	25829	<i>Stylidium neurophyllum</i> (Coastal Plain Triggerplant)			
1137.	7774	<i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
1138.	7785	<i>Stylidium repens</i> (Matted Triggerplant)			
1139.	20521	<i>Stylidium rigidulum</i>			
1140.	25806	<i>Stylidium scariosum</i>			
1141.	7798	<i>Stylidium schoenoides</i> (Cow Kicks)			
1142.	7806	<i>Stylidium utricularioides</i> (Pink Fan Triggerplant)			
1143.		<i>Supunna funerea</i>			
1144.		<i>Supunna picta</i>			
1145.	2329	<i>Synaphea spinulosa</i>			
1146.	15532	<i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
1147.		<i>Synothele durokoppin</i>			

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1148.	<i>Synothele michaelseni</i>			
1149.	<i>Synothele mullaloo</i>			
1150.	32437 <i>Syntrichia antarctica</i>			
1151.	32438 <i>Syntrichia pagorum</i>			
1152.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1153.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
1154.	24207 <i>Tachyglossus aculeatus</i> (Short-beaked Echidna)			
1155.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
1156.	45613 <i>Taraxacum khatoonae</i>	Y		
1157.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
1158.	4256 <i>Templetonia retusa</i> (Cockies Tongues)			
1159.	2791 <i>Tersonia cyathiflora</i> (Button Creeper)			
1160.	2824 <i>Tetragonia tetragonoides</i> (New Zealand Spinach)			
1161.	20649 <i>Tetrapanax papyrifer</i>	Y		Y
1162.	1034 <i>Tetraria capillaris</i> (Hair Sedge)			
1163.	1036 <i>Tetraria octandra</i>			
1164.	48341 <i>Tetratheca hirsuta</i> subsp. <i>viminea</i>			
1165.	<i>Thelephora terrestris</i>			
1166.	1702 <i>Thelymitra campanulata</i> (Shirt Orchid)			
1167.	1705 <i>Thelymitra crinita</i> (Blue Lady Orchid)			
1168.	1708 <i>Thelymitra fuscolutea</i> (Chestnut Sun Orchid)			
1169.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
1170.	1318 <i>Thysanotus arbuscula</i>			
1171.	1319 <i>Thysanotus arenarius</i>			
1172.	1335 <i>Thysanotus gracilis</i>			
1173.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
1174.	1343 <i>Thysanotus patersonii</i>			
1175.	46055 <i>Thysanotus</i> sp. Coastal plain (N.H. Brittan 66/63)			
1176.	1351 <i>Thysanotus sparteus</i>			
1177.	1357 <i>Thysanotus thyrsoides</i>			
1178.	1358 <i>Thysanotus triandrus</i>			
1179.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
1180.	25519 <i>Tiliqua rugosa</i>			
1181.	25204 <i>Tiliqua rugosa</i> subsp. <i>aspera</i>			
1182.	25207 <i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
1183.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
1184.	24309 <i>Todiramphus sanctus</i> subsp. <i>sanctus</i> (Sacred Kingfisher)			
1185.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
1186.	<i>Tremella mesenterica</i>			
1187.	1481 <i>Tribonanthes australis</i> (Southern Tiurmdin)			
1188.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
1189.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		
1190.	39094 <i>Trichia affinis</i>			
1191.	39098 <i>Trichia favoginea</i>			
1192.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
1193.	24755 <i>Trichoglossus haematodus</i> subsp. <i>moluccanus</i> (Rainbow Lorikeet)	Y		
1194.	32450 <i>Trichostomum eckelianum</i>			
1195.	25521 <i>Trichosurus vulpecula</i> (Common Brushtail Possum)			
1196.	24158 <i>Trichosurus vulpecula</i> subsp. <i>vulpecula</i> (Common Brushtail Possum)			
1197.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
1198.	1363 <i>Tricoryne tenella</i>			
1199.	4291 <i>Trifolium arvense</i> (Hare's Foot Clover)	Y		
1200.	17542 <i>Trifolium arvense</i> var. <i>arvense</i>	Y		
1201.	4292 <i>Trifolium campestre</i> (Hop Clover)	Y		
1202.	4298 <i>Trifolium hirtum</i> (Rose Clover)	Y		
1203.	14738 <i>Trifolium resupinatum</i> var. <i>resupinatum</i>	Y		
1204.	35016 <i>Trihaloragis hexandra</i> subsp. <i>integrifolia</i>			
1205.	4737 <i>Tripterococcus brunonis</i> (Winged Stackhousia)			
1206.	11665 <i>Trymalium ledifolium</i> var. <i>ledifolium</i>			
1207.	38846 <i>Tubaria serrulata</i>			
1208.	48147 <i>Turnix varius</i> (Painted Button-quail)			
1209.	98 <i>Typha domingensis</i> (Bulrush, Djandjid)			
1210.	99 <i>Typha orientalis</i> (Bulrush, Cumbungi)			
1211.	24852 <i>Tyto alba</i> subsp. <i>delicatula</i> (Barn Owl)			
1212.	24983 <i>Underwoodisaurus milii</i> (Barking Gecko)			
1213.	<i>Urodacus novaehollandiae</i>			
1214.	<i>Urodacus woodwardii</i>			
1215.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
1216.	38388 <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>	Y		

	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1217.	45907	<i>Ustilago trichophora</i>			Y
1218.	7125	<i>Utricularia australis</i>			
1219.	7131	<i>Utricularia dichotoma</i> (Fairy Aprons)			
1220.	12493	<i>Utricularia gibba</i>			
1221.	7138	<i>Utricularia inaequalis</i>			
1222.	7158	<i>Utricularia volubilis</i> (Twining Bladderwort)			
1223.	25577	<i>Vanellus miles</i> (Masked Lapwing)			
1224.	24386	<i>Vanellus tricolor</i> (Banded Lapwing)			
1225.	25218	<i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1226.	25225	<i>Varanus rosenbergi</i> (Heath Monitor)			
1227.	25526	<i>Varanus tristis</i> (Racehorse Monitor)			
1228.	8257	<i>Vellereophyton dealbatum</i> (White Cudweed)	Y		
1229.		<i>Venator immansueta</i>			
1230.		<i>Venatrix pullastra</i>			
1231.	46275	<i>Verbesina encelioides</i> var. <i>encelioides</i> (Crownbeard, Wild Sunflower, Goldweed, South African Daisy)	Y		
1232.	7666	<i>Verreauxia reinwardtii</i> (Common Verreauxia)			
1233.	15431	<i>Verticordia acerosa</i> var. <i>acerosa</i>			
1234.	15432	<i>Verticordia densiflora</i> var. <i>densiflora</i>			
1235.	6077	<i>Verticordia drummondii</i> (Drummond's Featherflower)			
1236.	12422	<i>Verticordia eriocephala</i> (Common Cauliflower)			
1237.	6101	<i>Verticordia nitens</i> (Morrison Featherflower, Kodjeningara)			
1238.	6103	<i>Verticordia ovalifolia</i>			
1239.	24206	<i>Vespadelus regulus</i> (Southern Forest Bat)			
1240.	4322	<i>Vicia sativa</i> (Common Vetch)	Y		
1241.	11474	<i>Vicia sativa</i> subsp. <i>nigra</i>	Y		
1242.	4325	<i>Viminaria juncea</i> (Swishbush, Koweda)			
1243.	24040	<i>Vulpes vulpes</i> (Red Fox)	Y		
1244.	722	<i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
1245.	11137	<i>Vulpia fasciculata</i>	Y		
1246.	724	<i>Vulpia myuros</i> (Rat's Tail Fescue)	Y		
1247.	7384	<i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
1248.	7386	<i>Wahlenbergia gracilenta</i> (Annual Bluebell)			
1249.	7388	<i>Wahlenbergia multicaulis</i>			
1250.	7389	<i>Wahlenbergia preissii</i>			
1251.	8282	<i>Waitzia suaveolens</i> (Fragrant Waitzia)			
1252.	13333	<i>Waitzia suaveolens</i> var. <i>suaveolens</i>			
1253.	17910	<i>Washingtonia filifera</i>	Y		
1254.		<i>Westrarchaea pusilla</i>			
1255.		<i>Westrarchaea spinosa</i>			
1256.	12072	<i>Wurmbea dioica</i> subsp. <i>alba</i>			
1257.	1401	<i>Wurmbea pygmaea</i>			
1258.	8286	<i>Xanthium occidentale</i> (Noogoora Burr)	Y		
1259.	14544	<i>Xanthorrhoea brunonis</i> subsp. <i>brunonis</i>			
1260.	1256	<i>Xanthorrhoea preissii</i> (Grass tree, Palga)			
1261.	6289	<i>Xanthosia huegelii</i>			
1262.	44861	<i>Xerochrysum macranthum</i>			
1263.	2331	<i>Xylomelum occidentale</i> (Woody Pear, Djandin)			
1264.		<i>Zachria flavicoma</i>			
1265.	1049	<i>Zantedeschia aethiopica</i> (Arum Lily)	Y		
1266.	25765	<i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereye)			
1267.	36218	<i>Zygodon menziesii</i>			

Conservation Codes

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

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

APPENDIX 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: 14-Jan-2022

[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	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	2
Listed Threatened Species:	30
Listed Migratory Species:	13

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:	32
Commonwealth Heritage Places:	None
Listed Marine Species:	17
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:	4
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	29
Key Ecological Features (Marine):	None
Biologically Important Areas:	1
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

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

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

Community Name	Threatened Category	Presence Text	Buffer Status
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area	In feature area
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community likely to occur within area	In feature 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	Buffer Status
BIRD			
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calyptorhynchus banksii naso Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Limosa lapponica menzbieri Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit [86432]	Critically Endangered	Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat known to occur within area	In feature 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	In feature area
INSECT			
Hesperocolletes douglasi Douglas' Broad-headed Bee, Rottnest Bee [66734]	Critically Endangered	Species or species habitat may occur within area	In buffer area only
MAMMAL			
Bettongia penicillata ogilbyi Woylie [66844]	Endangered	Species or species habitat known to occur within area	In feature area
Dasyurus geoffroii Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
PLANT			
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Anigozanthos viridis subsp. terraspectans Dwarf Green Kangaroo Paw [3435]	Vulnerable	Species or species habitat may occur within area	In feature area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat may occur within area	In buffer area only
Diuris drummondii Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diuris micrantha Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Diuris purdiei Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat likely to occur within area	In feature 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	In feature area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Eucalyptus argutifolia Yanchep Mallee, Wabling Hill Mallee [24263]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Grevillea curviloba subsp. incurva Narrow curved-leaf Grevillea [64909]	Endangered	Species or species habitat may occur within area	In buffer area only
Macarthuria keigheryi Keighery's Macarthuria [64930]	Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Synaphea sp. Fairbridge Farm (D. Papenfus 696)			
Selena's Synaphea [82881]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Thelymitra dedmaniarum			
Cinnamon Sun Orchid [65105]	Endangered	Species or species habitat may occur within area	In buffer area only
Thelymitra stellata			
Star Sun-orchid [7060]	Endangered	Species or species habitat may occur within area	In buffer area only

Listed Migratory Species	[Resource Information]		
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus			
Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Sterna dougallii			
Roseate Tern [817]		Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Migratory Terrestrial Species			
Motacilla cinerea			
Grey Wagtail [642]		Species or species habitat may occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos			
Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Calidris acuminata			
Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris canutus			
Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea			
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Commonwealth Lands

[[Resource Information](#)]

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

Commonwealth Land Name	State	Buffer Status
Unknown		
Commonwealth Land - [50805]	WA	In buffer area only
Commonwealth Land - [50773]	WA	In buffer area only
Commonwealth Land - [51154]	WA	In buffer area only
Commonwealth Land - [50706]	WA	In buffer area only
Commonwealth Land - [50714]	WA	In buffer area only
Commonwealth Land - [50715]	WA	In buffer area only
Commonwealth Land - [50717]	WA	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - [50716]	WA	In buffer area only
Commonwealth Land - [50739]	WA	In buffer area only
Commonwealth Land - [50719]	WA	In buffer area only
Commonwealth Land - [50699]	WA	In buffer area only
Commonwealth Land - [50698]	WA	In buffer area only
Commonwealth Land - [50697]	WA	In buffer area only
Commonwealth Land - [50696]	WA	In buffer area only
Commonwealth Land - [50694]	WA	In buffer area only
Commonwealth Land - [50705]	WA	In buffer area only
Commonwealth Land - [50748]	WA	In buffer area only
Commonwealth Land - [50704]	WA	In buffer area only
Commonwealth Land - [51129]	WA	In buffer area only
Commonwealth Land - [50720]	WA	In buffer area only
Commonwealth Land - [50747]	WA	In buffer area only
Commonwealth Land - [50312]	WA	In buffer area only
Commonwealth Land - [50691]	WA	In buffer area only
Commonwealth Land - [51134]	WA	In buffer area only
Commonwealth Land - [50801]	WA	In buffer area only
Commonwealth Land - [50713]	WA	In buffer area only
Commonwealth Land - [51132]	WA	In buffer area only
Commonwealth Land - [50702]	WA	In buffer area only
Commonwealth Land - [50703]	WA	In buffer area only
Commonwealth Land - [50692]	WA	In buffer area only
Commonwealth Land - [50701]	WA	In buffer area only
Commonwealth Land - [50700]	WA	In buffer area only

Listed Marine Species			[Resource Information]
Scientific Name	Threatened Category	Presence Text	Buffer Status

Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat likely to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In buffer area only
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Sterna dougallii Roseate Tern [817]		Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Errina Road	Nature Reserve	WA	In buffer area only
Unnamed WA46756	Conservation Park	WA	In buffer area only
Unnamed WA46926	5(1)(h) Reserve	WA	In buffer area only
Unnamed WA50514	5(1)(h) Reserve	WA	In buffer area only

EPBC Act Referrals				[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
East Landsdale Residential Development	2008/4676	Controlled Action	Post-Approval	In buffer area only
East Wanneroo Cell 9 residential subdivision - Lots 50,51,52,154 & 404	2010/5772	Controlled Action	Completed	In buffer area only
Erindale Road Development, Hamersley, WA	2018/8324	Controlled Action	Further Information Request	In buffer area only
Nava-1 Cable System	2001/510	Controlled Action	Completed	In buffer area only
Residential Subdivision development	2011/6040	Controlled Action	Post-Approval	In buffer area only
Shenton Park Subdivision	2004/1479	Controlled Action	Completed	In buffer area only
Not controlled action				
Development Application 20 Kenhelm St Balcatta WA	2021/9037	Not Controlled Action	Completed	In buffer area only
Development of 39 (Lot 3000) Hardcastle Avenue, Landsdale, WA	2017/8100	Not Controlled Action	Completed	In buffer area only
Eradication of the European House Borer, Perth metropolitan area, WA	2009/5027	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
Landsdale Primary School Development, WA	2015/7597	Not Controlled Action	Completed	In buffer area only
Landsdale Residential Subdivision Development	2011/6027	Not Controlled Action	Completed	In buffer area only
Lot 158 Landsdale Rd, Landsdale, WA	2012/6403	Not Controlled Action	Completed	In buffer area only
Lots 71 & 72 Queensway Rd, East Landsdale	2012/6541	Not Controlled Action	Completed	In buffer area only
Reid Highway/Malaga Drive interchange upgrade, City of Swan, WA	2013/6892	Not Controlled Action	Completed	In buffer area only
Reid Highway duplication project(Erindale Rd - Duffy Rd)WA	2013/7073	Not Controlled Action	Completed	In buffer area only
Residential and commercial development, Lot 1981 Alexander Drive & Lot 152 Gnangara Road,	2013/6982	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Landsdale, WA				
Residential Development, 50 Lot 2 Driver Road, Darch, Western Australia	2020/8677	Not Controlled Action	Completed	In buffer area only
Residential development, Landsdale, WA	2013/6964	Not Controlled Action	Completed	In buffer area only
Residential development, Lot 14143 (16) Harford Way, Girrawheen, WA	2016/7819	Not Controlled Action	Completed	In buffer area only
Residential development, Lot 55 Alexander Drive, Landsdale, WA	2013/6971	Not Controlled Action	Completed	In buffer area only
Residential Subdivision	2012/6410	Not Controlled Action	Completed	In buffer area only
Residential subdivision - lot 169 Kingsway Road, Landsdale WA	2012/6412	Not Controlled Action	Completed	In buffer area only
Residential subdivision - Lots 156 and 157 Landsdale Road Landsdale WA	2012/6407	Not Controlled Action	Completed	In buffer area only
Telstra PITC O3B Clearing Application	2011/6147	Not Controlled Action	Completed	In buffer area only
Urban Development Project, Lot 55 and 56 Cottonwood Crescent, Dianella, WA	2017/8031	Not Controlled Action	Completed	In buffer area only
Wangara Industrial Extension Area, WA	2012/6501	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Ocean Reef Road Extension Works in Wangara	2010/5388	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
South West Metropolitan Railway Project	2003/1175	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Biologically Important Areas				
Scientific Name		Behaviour	Presence	Buffer Status
Seabirds				
Sterna dougallii				
Roseate Tern [817]		Foraging	Known to occur	In buffer area only

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.

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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 $\leq 200\text{ha}$). 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

FID_Conver	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p e	OCC_UNI QUE	S_ID_COU NT	FIRST_S_ID	LAST_S_ID	OCC_CON FID	BDY_ID	ORIG_FID _1
0	392,464, 6,482,131	0	801	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	1.37014917911	0.00877341001	0.00000130406	0	0	0			0	0	
0	392,464, 6,482,131	0	824	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.98248782364	0.00643511684	0.00000093543	0	0	0			0	0	
0	392,464, 6,482,131	0	836	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.71824551837	0.00370408145	0.00000068440	0	0	0			0	0	
0	392,464, 6,482,131	0	866	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.01075580759	0.00047927385	0.00000001024	0	0	0			0	0	
0	392,464, 6,482,131	0	867	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	1.95666238102	0.00920529422	0.00000186224	0	0	0			0	0	
0	392,464, 6,482,131	0	868	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.24184070399	0.00337775240	0.00000023043	0	0	0			0	0	
0	392,464, 6,482,131	0	869	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.01701315878	0.00118652795	0.00000001621	0	0	0			0	0	
0	392,464, 6,482,131	0	870	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.10927486043	0.00234132616	0.00000010412	0	0	0			0	0	
0	392,464, 6,482,131	0	871	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.48826872968	0.00293500996	0.00000046524	0	0	0			0	0	
0	392,464, 6,482,131	0	880	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	2.27798209336	0.01058379348	0.00000216885	0	0	0			0	0	
0	392,464, 6,482,131	0	881	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.93223797637	0.00464096915	0.00000088758	0	0	0			0	0	
0	392,464, 6,482,131	0	1167	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	39.67976174990	0.04774797540	0.00003777145	0	0	0			0	0	
0	392,464, 6,482,131	0	1168	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.45496193306	0.00244110488	0.00000043306	0	0	0			0	0	
0	392,464, 6,482,131	0	1222	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	1.40639111903	0.00435522152	0.00000133837	0	0	0			0	0	
0	392,464, 6,482,131	0	1243	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	0.46022568698	0.00243120072	0.00000043839	0	0	0			0	0	
0	392,464, 6,482,131	0	1244	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	10.56058506270	0.01548957324	0.00001005988	0	0	0			0	0	
0	392,464, 6,482,131	0	1245	Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Endangered	500	1.70824984646	0.00611819095	0.00000162729	0	0	0			0	0	
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	149	2	3	GOLF01	GOLF03	No	3213	150
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	416	4	2	KOON01	KOON02	No	554	422
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	148	5	1	LAND01		No	249	149
0	392,464, 6,482,131	0	0	Mound Springs SCP	Communities of Tumulus Springs; (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	2000	0.00000000000	0.00000000000	0.00000000000	142	29	2	EG01	EgertonSprings01	No	241	143
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	150	649	2	ERRINA01	ErrinaN01	No	251	151
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	147	882	5	TELSTRA PLOT1	Telstra04	No	247	148
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	143	883	1	Telstra05		No	243	144
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	144	884	1	Telstra06		No	244	145
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	145	885	2	TELSTRA PLOT2	Telstra07	No	245	146
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	146	886	1	Telstra08		No	246	147
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	415	1886	2	ALEXANDER PLOT1	ALEXANDER01	No	550	421
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	432	1894	2	MONTROSE PLOT1	MONTROSE01	No	570	438
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	433	1895	2	PALOMA PLOT1	PALOMA01	No	571	439
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	895	1896	2	MIDDLETON PLOT1	MIDDLETON01	No	1125	906
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	417	1901	2	MALAGA PLOT1	MALAGA01	No	552	423
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	424	1906	1	ERRINA06		No	561	430
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	425	1907	2	ERRINA STH PLOT1	ERRINA07	No	562	431
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	457	1931	1	APPLEBY01		No	600	463
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123964	2976	1	BIW10		No	0	1584
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123965	2977	1	BIW11		No	0	1585
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123966	2978	1	BIW12		No	0	1586
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123967	2979	1	BIW13		No	0	1587
0	392,464, 6,482,131	0	0	SCP23b	Swan Coastal Plain Banksia attenuata - Banksia menziesii woodlands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123961	3006	1	BAW7		No	0	1581
0	392,464, 6,482,131	0	0	SCP23b	Swan Coastal Plain Banksia attenuata - Banksia menziesii woodlands	Priority 3	Endangered	500	0.00000000000	0.00000000000	0.00000000000	123456	3038	1	SF02		No	0	1043
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	500	0.00000000000	0.00000000000	0.00000000000	123673	3089	1	WARB02		No	0	1283
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	500	0.00000000000	0.00000000000	0.00000000000	123674	3090	1	WARB04		No	0	1284
0	392,464, 6,482,131	0	0	SCP25	Southern Eucalyptus gomphocephala-Agonis flexuosa woodlands	Priority 3	Endangered	700	0.00000000000	0.00000000000	0.00000000000	123582	3116	1	Yela03		No	0	1184
0	392,464, 6,482,131	0	0	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123945	3181	1	BAS27		No	0	1565
0	392,464, 6,482,131	0	0	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123946	3182	1	BAS28		No	0	1566
0	392,464, 6,482,131	0	0	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123947	3183	1	BAS29		No	0	1567

FID_Conver	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p e	OCC_UNI QUE	S_ID_COU NT	FIRST_S_ID	LAST_S_ID	OCC_CON FID	BOY_ID	ORIG_FID _1
0	392,464, 6,482,131	0	0	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	123948	3184	1	BAS30		No	0	1568
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	1568	4058	1	MARIJUNUP01		No	2091	1614
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	2656	4452	3	ReidHwy01	ReidHwy02_SCDplo t	No	3215	2807
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	122632	4675	1	Hellenic01		Yes	0	199
0	392,464, 6,482,131	0	0	SCP24	Northern Spearwood shrublands and woodlands	Priority 3		500	0.0000000000	0.0000000000	0.0000000000	122633	4997	1	Hepb03		No	0	200
0	392,464, 6,482,131	0	0	SCP29a	Coastal shrublands on shallow sands	Priority 3		500	0.0000000000	0.0000000000	0.0000000000	123627	5022	1	Pinn02		No	0	1232
0	392,464, 6,482,131	0	0	SCP23b	Swan Coastal Plain Banksia attenuata - Banksia menziesii woodlands	Priority 3	Endangered	500	0.0000000000	0.0000000000	0.0000000000	123455	5032	1	SF01		No	0	1042
0	392,464, 6,482,131	0	0	SCP21c	Low lying Banksia attenuata woodlands or shrublands	Priority 3	Endangered	500	0.0000000000	0.0000000000	0.0000000000	123572	5043	1	white05		No	0	1174
0	392,464, 6,482,131	0	0	SCP22	Banksia ilicifolia woodlands	Priority 3	Endangered	500	0.0000000000	0.0000000000	0.0000000000	123573	5044	1	white07		No	0	1175
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	2659	5179	1	ReidHwy01_SCDplo t		No	3219	2810
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	2660	5538	1	ReidHwy03		No	3220	2811
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	750	0.0000000000	0.0000000000	0.0000000000	14629	17310	1	Hardcastle		No	15399	14977
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	14595	17591	1	Dianella01		No	15316	14903
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	14596	17592	1	Dianella02		No	15317	14904
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	14626	17685	1	StLawrence01		No	15323	14974
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	124030	17687	1	Baal01		No	0	16

		Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p_e	OCC_QUE	S_ID_COU	N_T	FIRST_S_ID	LAST_S_ID	FID	OCC_CON	BOY_ID	_ORIG_FID
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15904	107384	1	BanksiaWld01666			No	104383	16666	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15905	107385	1	BanksiaWld01667			No	104384	16667	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15907	107387	1	BanksiaWld01669			No	104386	16669	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15908	107388	1	BanksiaWld01670			No	104387	16670	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15909	107389	1	BanksiaWld01671			No	104388	16671	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15910	107390	1	BanksiaWld01672			No	104389	16672	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15911	107391	1	BanksiaWld01673			No	104390	16673	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15912	107392	1	BanksiaWld01674			No	104391	16674	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15913	107393	1	BanksiaWld01675			No	104392	16675	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15948	107445	1	BanksiaWld01727			No	104444	16727	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15949	107446	1	BanksiaWld01728			No	104445	16728	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15951	107448	1	BanksiaWld01730			No	104447	16730	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15953	107450	1	BanksiaWld01732			No	104449	16732	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15961	107459	1	BanksiaWld01741			No	104458	16741	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15965	107463	1	BanksiaWld01745			No	104462	16745	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15967	107465	1	BanksiaWld01747			No	104464	16747	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15968	107466	1	BanksiaWld01748			No	104465	16748	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15969	107467	1	BanksiaWld01749			No	104466	16749	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15979	107478	1	BanksiaWld01760			No	104477	16760	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15980	107479	1	BanksiaWld01761			No	104478	16761	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15981	107480	1	BanksiaWld01762			No	104479	16762	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15982	107481	1	BanksiaWld01763			No	104480	16763	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15983	107482	1	BanksiaWld01764			No	104481	16764	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15984	107483	1	BanksiaWld01765			No	104482	16765	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15985	107484	1	BanksiaWld01766			No	104483	16766	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15986	107485	1	BanksiaWld01767			No	104484	16767	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15987	107486	1	BanksiaWld01768			No	104485	16768	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120195	107492	1	BanksiaWld01774			No	104491	16774	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15991	107495	1	BanksiaWld01777			No	104494	16777	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15992	107496	1	BanksiaWld01778			No	104495	16778	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15993	107497	1	BanksiaWld01779			No	104496	16779	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15994	107498	1	BanksiaWld01780			No	104497	16780	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15995	107499	1	BanksiaWld01781			No	104498	16781	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15996	107500	1	BanksiaWld01782			No	104499	16782	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15997	107501	1	BanksiaWld01783			No	104500	16783	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	15998	107502	1	BanksiaWld01784			No	104501	16784	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120198	107503	1	BanksiaWld01785			No	104502	16785	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120200	107508	1	BanksiaWld01790			No	104507	16790	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16006	107514	1	BanksiaWld01796			No	104513	16796	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16008	107519	1	BanksiaWld01801			No	104518	16801	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16010	107521	1	BanksiaWld01803			No	104520	16803	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16012	107524	1	BanksiaWld01806			No	104523	16806	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16013	107525	1	BanksiaWld01807			No	104524	16807	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16014	107526	1	BanksiaWld01808			No	104525	16808	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16015	107527	1	BanksiaWld01809			No	104526	16809	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16016	107528	1	BanksiaWld01810			No	104527	16810	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16017	107529	1	BanksiaWld01811			No	104528	16811	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16018	107530	1	BanksiaWld01812			No	104529	16812	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16025	107537	1	BanksiaWld01819			No	104536	16819	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16030	107543	1	BanksiaWld01825			No	104542	16824	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16031	107544	1	BanksiaWld01826			No	104543	16825	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16032	107545	1	BanksiaWld01827			No	104544	16827	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16034	107547	1	BanksiaWld01829			No	104546	16829	
0		392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IB																

FID	Name	ORIG_FID	FID_IDencia	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_p	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	QCC_CON	BOY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16109	107632	1		BanksiaWld01914	No	104631	16913	1
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16110	107633	1		BanksiaWld01915	No	104632	16914	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120241	107674	1		BanksiaWld01956	No	104673	16955	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16129	107686	1		BanksiaWld01968	No	104685	16967	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16130	107687	1		BanksiaWld01969	No	104686	16968	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16998	108686	1		BanksiaWld02968	No	105685	17967	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	16999	108687	1		BanksiaWld02969	No	105686	17968	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17000	108688	1		BanksiaWld02970	No	105687	17969	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17001	108689	1		BanksiaWld02971	No	105688	17970	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17002	108690	1		BanksiaWld02972	No	105689	17971	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17003	108691	1		BanksiaWld02973	No	105690	17972	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17004	108692	1		BanksiaWld02974	No	105691	17973	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17007	108695	1		BanksiaWld02977	No	105694	17976	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17008	108696	1		BanksiaWld02978	No	105695	17977	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17009	108697	1		BanksiaWld02979	No	105696	17978	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17010	108698	1		BanksiaWld02980	No	105697	17979	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120380	108699	1		BanksiaWld02981	No	105698	17980	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17011	108700	1		BanksiaWld02982	No	105699	17981	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17012	108702	1		BanksiaWld02984	No	105701	17982	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17013	108703	1		BanksiaWld02985	No	105702	17983	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17014	108704	1		BanksiaWld02986	No	105703	17984	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17015	108705	1		BanksiaWld02987	No	105704	17985	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17016	108706	1		BanksiaWld02988	No	105705	17986	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17017	108707	1		BanksiaWld02989	No	105706	17987	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17018	108708	1		BanksiaWld02990	No	105707	17988	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17019	108709	1		BanksiaWld02991	No	105708	17989	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17020	108710	1		BanksiaWld02992	No	105709	17990	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17021	108711	1		BanksiaWld02993	No	105710	17991	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17022	108712	1		BanksiaWld02994	No	105711	17992	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17023	108713	1		BanksiaWld02995	No	105712	17993	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17024	108714	1		BanksiaWld02996	No	105713	17994	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17025	108715	1		BanksiaWld02997	No	105714	17995	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17026	108716	1		BanksiaWld02998	No	105715	17996	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17027	108717	1		BanksiaWld02999	No	105716	17997	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17028	108718	1		BanksiaWld03000	No	105717	17998	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17029	108719	1		BanksiaWld03001	No	105718	17999	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17030	108720	1		BanksiaWld03002	No	105719	18000	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17031	108721	1		BanksiaWld03003	No	105720	18001	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17032	108722	1		BanksiaWld03004	No	105721	18002	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17033	108723	1		BanksiaWld03005	No	105722	18003	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17034	108724	1		BanksiaWld03006	No	105723	18004	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17035	108725	1		BanksiaWld03007	No	105724	18005	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17036	108726	1		BanksiaWld03008	No	105725	18006	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17037	108727	1		BanksiaWld03009	No	105726	18007	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17047	108737	1		BanksiaWld03019	No	105736	18017	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17053	108743	1		BanksiaWld03025	No	105742	18023	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17054	108744	1		BanksiaWld03026	No	105743	18024	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17055	108745	1		BanksiaWld03027	No	105744	18025	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17056	108746	1		BanksiaWld03028	No	105745	18026	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17057	108747	1		BanksiaWld03029	No	105746	18027	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17058	108748	1		BanksiaWld03030	No	105747	18028	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17059	108749	1		BanksiaWld03031	No	105748	18029	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17060	108750	1		BanksiaWld03032	No	105749	18030	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17061	108751	1		BanksiaWld03033	No	105750	18031	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17062	108752	1		BanksiaWld03034	No	105751	18032	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.0000000000	0.0										

FID	Owner	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tecp_OCC_UNE	S_ID_COU	FIRST_S_ID	LAST_S_ID	FID_OCC_CON	BOY_ID	ORIG_FID	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	1.000000000000	0.000000000000	0.000000000000	e	17087	108780	1	BanksiaWld03062	No	105779	18060
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17088	108781	1	BanksiaWld03063	No	105780	18061	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17089	108782	1	BanksiaWld03064	No	105781	18062	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17090	108783	1	BanksiaWld03065	No	105782	18063	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17091	108784	1	BanksiaWld03066	No	105783	18064	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17092	108785	1	BanksiaWld03067	No	105784	18065	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17093	108786	1	BanksiaWld03068	No	105785	18066	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17094	108787	1	BanksiaWld03069	No	105786	18067	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17095	108788	1	BanksiaWld03070	No	105787	18068	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17096	108789	1	BanksiaWld03071	No	105788	18069	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17097	108790	1	BanksiaWld03072	No	105789	18070	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17098	108791	1	BanksiaWld03073	No	105790	18071	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17099	108792	1	BanksiaWld03074	No	105791	18072	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17100	108793	1	BanksiaWld03075	No	105792	18073	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17101	108794	1	BanksiaWld03076	No	105793	18074	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17102	108795	1	BanksiaWld03077	No	105794	18075	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17104	108797	1	BanksiaWld03079	No	105796	18077	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17105	108798	1	BanksiaWld03080	No	105797	18078	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17106	108799	1	BanksiaWld03081	No	105798	18079	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17108	108801	1	BanksiaWld03083	No	105800	18081	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17109	108802	1	BanksiaWld03084	No	105801	18082	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17110	108803	1	BanksiaWld03085	No	105802	18083	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	120384	108804	1	BanksiaWld03086	No	105803	18084	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	120385	108805	1	BanksiaWld03087	No	105804	18085	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17111	108809	1	BanksiaWld03091	No	105808	18086	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17112	108810	1	BanksiaWld03092	No	105809	18087	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17113	108811	1	BanksiaWld03093	No	105810	18088	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17114	108812	1	BanksiaWld03094	No	105811	18089	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17118	108816	1	BanksiaWld03098	No	105815	18093	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17119	108817	1	BanksiaWld03099	No	105816	18094	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17122	108820	1	BanksiaWld03102	No	105819	18097	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17123	108821	1	BanksiaWld03103	No	105820	18098	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17124	108822	1	BanksiaWld03104	No	105821	18099	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17125	108823	1	BanksiaWld03105	No	105822	18100	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17126	108824	1	BanksiaWld03106	No	105823	18101	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17127	108825	1	BanksiaWld03107	No	105824	18102	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17128	108826	1	BanksiaWld03108	No	105825	18103	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17129	108827	1	BanksiaWld03109	No	105826	18104	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17130	108828	1	BanksiaWld03110	No	105827	18105	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17131	108829	1	BanksiaWld03111	No	105828	18106	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17132	108830	1	BanksiaWld03112	No	105829	18107	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17133	108831	1	BanksiaWld03113	No	105830	18108	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17134	108832	1	BanksiaWld03114	No	105831	18109	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17135	108833	1	BanksiaWld03115	No	105832	18110	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17136	108834	1	BanksiaWld03116	No	105833	18111	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17137	108835	1	BanksiaWld03117	No	105834	18112	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17138	108836	1	BanksiaWld03118	No	105835	18113	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17139	108837	1	BanksiaWld03119	No	105836	18114	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17140	108838	1	BanksiaWld03120	No	105837	18115	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17141	108839	1	BanksiaWld03121	No	105838	18116	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17142	108840	1	BanksiaWld03122	No	105839	18117	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17143	108841	1	BanksiaWld03123	No	105840	18118	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17144	108842	1	BanksiaWld03124	No	105841	18119	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17145	108843	1	BanksiaWld03125	No	105842	18120	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	17147	108845	1	BanksiaWld03127	No	105844	18122	
0</																				

FID	Name	ORIG_FID	FID_index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p	QCC_UNE	S_ID_COU	FIRST_S_ID	LAST_S_ID	OCC_CON	FID	BDY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17312	109012	1	BanksiaWld003294		No	106011		18289
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17313	109013	1	BanksiaWld003295		No	106012		18290
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17314	109014	1	BanksiaWld003296		No	106013		18291
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17315	109015	1	BanksiaWld003297		No	106014		18292
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17316	109016	1	BanksiaWld003298		No	106015		18293
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17317	109017	1	BanksiaWld003299		No	106016		18294
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17318	109018	1	BanksiaWld003300		No	106017		18295
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17319	109019	1	BanksiaWld003301		No	106018		18296
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17320	109020	1	BanksiaWld003302		No	106019		18297
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17321	109021	1	BanksiaWld003303		No	106020		18298
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17322	109022	1	BanksiaWld003304		No	106021		18299
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17323	109023	1	BanksiaWld003305		No	106022		18300
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17324	109024	1	BanksiaWld003306		No	106023		18301
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	17325	109025	1	BanksiaWld003307		No	106024		18302
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21451	113207	1	BanksiaWld007489		No	110206		22478
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21452	113208	1	BanksiaWld007490		No	110207		22479
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21453	113209	1	BanksiaWld007491		No	110208		22480
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21454	113210	1	BanksiaWld007492		No	110209		22481
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21455	113211	1	BanksiaWld007493		No	110210		22482
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120438	113212	1	BanksiaWld007494		No	110211		22483
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21456	113215	1	BanksiaWld007497		No	110214		22486
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21457	113216	1	BanksiaWld007498		No	110215		22487
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21458	113217	1	BanksiaWld007499		No	110216		22488
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21459	113218	1	BanksiaWld007500		No	110217		22489
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21460	113219	1	BanksiaWld007501		No	110218		22490
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21461	113220	1	BanksiaWld007502		No	110219		22491
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21462	113221	1	BanksiaWld007503		No	110220		22492
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21463	113222	1	BanksiaWld007504		No	110221		22493
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21464	113223	1	BanksiaWld007505		No	110222		22494
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21465	113224	1	BanksiaWld007506		No	110223		22495
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21466	113225	1	BanksiaWld007507		No	110224		22496
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21467	113226	1	BanksiaWld007508		No	110225		22497
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21468	113227	1	BanksiaWld007509		No	110226		22498
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21469	113228	1	BanksiaWld007510		No	110227		22499
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21470	113229	1	BanksiaWld007511		No	110228		22500
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21471	113230	1	BanksiaWld007512		No	110229		22501
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21472	113231	1	BanksiaWld007513		No	110230		22502
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21473	113232	1	BanksiaWld007514		No	110231		22503
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21474	113233	1	BanksiaWld007515		No	110232		22504
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21475	113234	1	BanksiaWld007516		No	110233		22505
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120441	113235	1	BanksiaWld007517		No	110234		22506
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21476	113236	1	BanksiaWld007518		No	110235		22507
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21477	113237	1	BanksiaWld007519		No	110236		22508
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21478	113238	1	BanksiaWld007520		No	110237		22509
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21479	113239	1	BanksiaWld007521		No	110238		22510
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21480	113240	1	BanksiaWld007522		No	110239		22511
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21481	113241	1	BanksiaWld007523		No	110240		22512
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21482	113242	1	BanksiaWld007524		No	110241		22513
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21483	113243	1	BanksiaWld007525		No	110242		22514
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21484	113244	1	BanksiaWld007526		No	110243		22515
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	120442	113245	1	BanksiaWld007527		No	110244		22516
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21485	113246	1	BanksiaWld007528		No	110245		22517
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21486	113247	1	BanksiaWld007529		No	110246		22518
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21487	113248	1	BanksiaWld007530		No	110247		22519
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	21488	113249	1	BanksiaWld007531		No	110248		22520
0</																				

FID	CONV	Name	ORIG_FID	FID_index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_tec_p	QUE_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	OCC_CON	BOY_ID	ORIG_FID
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21515	113277	1	N	BanksiaWld07559		No	110276	22548
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21516	113278	1	N	BanksiaWld07560		No	110277	22549
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21517	113279	1	N	BanksiaWld07561		No	110278	22550
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21518	113280	1	N	BanksiaWld07562		No	110279	22551
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21519	113281	1	N	BanksiaWld07563		No	110280	22552
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	120444	113282	1	N	BanksiaWld07564		No	110281	22553
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21520	113283	1	N	BanksiaWld07565		No	110282	22554
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21521	113284	1	N	BanksiaWld07566		No	110283	22555
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21522	113285	1	N	BanksiaWld07567		No	110284	22556
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21523	113286	1	N	BanksiaWld07568		No	110285	22557
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21524	113287	1	N	BanksiaWld07569		No	110286	22558
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21525	113288	1	N	BanksiaWld07570		No	110287	22559
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21526	113289	1	N	BanksiaWld07571		No	110288	22560
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21527	113290	1	N	BanksiaWld07572		No	110289	22561
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21528	113291	1	N	BanksiaWld07573		No	110290	22562
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21529	113292	1	N	BanksiaWld07574		No	110291	22563
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	21530	113293	1	N	BanksiaWld07575		No	110292	22564

FID	Name	ORIG_FID	FID_Index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_ID	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	FID	QCC_CON	BOY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25388	117565	1		Banksia/Wd11847		No	114564	26832	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25391	117568	1		Banksia/Wd11850		No	114567	26835	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25396	117573	1		Banksia/Wd11855		No	114572	26840	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25397	117574	1		Banksia/Wd11856		No	114573	26841	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25399	117576	1		Banksia/Wd11858		No	114575	26843	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25400	117577	1		Banksia/Wd11859		No	114576	26844	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25401	117578	1		Banksia/Wd11860		No	114577	26845	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25402	117579	1		Banksia/Wd11861		No	114578	26846	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25403	117580	1		Banksia/Wd11862		No	114579	26847	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25404	117581	1		Banksia/Wd11863		No	114580	26848	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25405	117582	1		Banksia/Wd11864		No	114581	26849	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25406	117583	1		Banksia/Wd11865		No	114582	26850	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25407	117584	1		Banksia/Wd11866		No	114583	26851	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25408	117585	1		Banksia/Wd11867		No	114584	26852	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25409	117586	1		Banksia/Wd11868		No	114585	26853	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25410	117587	1		Banksia/Wd11869		No	114586	26854	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25411	117588	1		Banksia/Wd11870		No	114587	26855	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25412	117589	1		Banksia/Wd11871		No	114588	26856	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25413	117590	1		Banksia/Wd11872		No	114589	26857	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25414	117591	1		Banksia/Wd11873		No	114590	26858	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25415	117592	1		Banksia/Wd11874		No	114591	26859	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25419	117596	1		Banksia/Wd11878		No	114595	26863	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25420	117597	1		Banksia/Wd11879		No	114596	26864	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25422	117599	1		Banksia/Wd11881		No	114598	26866	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25423	117600	1		Banksia/Wd11882		No	114599	26867	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25424	117601	1		Banksia/Wd11883		No	114600	26868	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25425	117602	1		Banksia/Wd11884		No	114601	26869	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25426	117603	1		Banksia/Wd11885		No	114602	26870	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25427	117604	1		Banksia/Wd11886		No	114603	26871	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25430	117607	1		Banksia/Wd11889		No	114606	26874	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25431	117608	1		Banksia/Wd11890		No	114607	26875	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25432	117609	1		Banksia/Wd11891		No	114608	26876	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25433	117610	1		Banksia/Wd11892		No	114609	26877	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25434	117611	1		Banksia/Wd11893		No	114610	26878	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25435	117612	1		Banksia/Wd11894		No	114611	26879	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25436	117613	1		Banksia/Wd11895		No	114612	26880	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25437	117614	1		Banksia/Wd11896		No	114613	26881	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25438	117615	1		Banksia/Wd11897		No	114614	26882	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25439	117616	1		Banksia/Wd11898		No	114615	26883	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25440	117617	1		Banksia/Wd11899		No	114616	26884	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25441	117618	1		Banksia/Wd11900		No	114617	26885	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25449	117626	1		Banksia/Wd11908		No	114625	26893	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25450	117627	1		Banksia/Wd11909		No	114626	26894	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25451	117628	1		Banksia/Wd11910		No	114627	26895	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25452	117629	1		Banksia/Wd11911		No	114628	26896	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25453	117630	1		Banksia/Wd11912		No	114629	26897	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25454	117631	1		Banksia/Wd11913		No	114630	26898	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25455	117632	1		Banksia/Wd11914		No	114631	26899	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25456	117633	1		Banksia/Wd11915		No	114632	26900	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25457	117634	1		Banksia/Wd11916		No	114633	26901	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25458	117635	1		Banksia/Wd11917		No	114634	26902	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25459	117636	1		Banksia/Wd11918		No	114635	26903	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25460	117637	1		Banksia/Wd11919		No	114636	26904	
0	392,464,6,482																				

FID	CONV	Name	ORIG_FID	FID_index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_rec_p	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	QCC_CON	BOY_ID	ORIG_FID
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25524	117701	1	N	BanksiaWld11983		No	114700	26968
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25525	117702	1	N	BanksiaWld11984		No	114701	26969
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25526	117703	1	N	BanksiaWld11985		No	114702	26970
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25527	117704	1	N	BanksiaWld11986		No	114703	26971
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25528	117705	1	N	BanksiaWld11987		No	114704	26972
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25530	117707	1	N	BanksiaWld11989		No	114706	26974
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25531	117708	1	N	BanksiaWld11990		No	114707	26975
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25532	117709	1	N	BanksiaWld11991		No	114708	26976
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25533	117710	1	N	BanksiaWld11992		No	114709	26977
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25538	117715	1	N	BanksiaWld11997		No	114714	26982
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25539	117716	1	N	BanksiaWld11998		No	114715	26983
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25540	117717	1	N	BanksiaWld11999		No	114716	26984
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25541	117718	1	N	BanksiaWld12000		No	114717	26985
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25542	117719	1	N	BanksiaWld12001		No	114718	26986
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25543	117720	1	N	BanksiaWld12002		No	114719	26987
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25544	117721	1	N	BanksiaWld12003		No	114720	26988
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25545	117722	1	N	BanksiaWld12004		No	114721	26989
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25546	117723	1	N	BanksiaWld12005		No	114722	26990
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25547	117724	1	N	BanksiaWld12006		No	114723	26991
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25548	117725	1	N	BanksiaWld12007		No	114724	26992
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25549	117726	1	N	BanksiaWld12008		No	114725	26993
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25550	117727	1	N	BanksiaWld12009		No	114726	26994
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25551	117728	1	N	BanksiaWld12010		No	114727	26995
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25552	117729	1	N	BanksiaWld12011		No	114728	26996
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25553	117730	1	N	BanksiaWld12012		No	114729	26997
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25554	117731	1	N	BanksiaWld12013		No	114730	26998
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25555	117732	1	N	BanksiaWld12014		No	114731	26999
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25557	117734	1	N	BanksiaWld12016		No	114733	27001
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25563	117740	1	N	BanksiaWld12022		No	114739	27007
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25561	117732	1	N	BanksiaWld12024		No	114741	27009
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25566	117743	1	N	BanksiaWld12025		No	114742	27010
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25567	117744	1	N	BanksiaWld12026		No	114743	27011
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	31275	117745	1	N	BanksiaWld12027		No	114744	32391
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25568	117746	1	N	BanksiaWld12028		No	114745	27012
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25569	117747	1	N	BanksiaWld12029		No	114746	27013
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25570	117748	1	N	BanksiaWld12030		No	114747	27014
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25571	117749	1	N	BanksiaWld12031		No	114748	27015
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25572	117750	1	N	BanksiaWld12032		No	114749	27016
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25573	117751	1	N	BanksiaWld12033		No	114750	27017
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25574	117752	1	N	BanksiaWld12034		No	114751	27018
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25575	117753	1	N	BanksiaWld12035		No	114752	27019
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25576	117755	1	N	BanksiaWld12037		No	114754	27020
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25577	117756	1	N	BanksiaWld12038		No	114755	27021
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25578	117757	1	N	BanksiaWld12039		No	114756	27022
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25579	117758	1	N	BanksiaWld12040		No	114757	27023
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25580	117759	1	N	BanksiaWld12041		No	114758	27024
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25581	117760	1	N	BanksiaWld12042		No	114759	27025
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25589	117768	1	N	BanksiaWld12050		No	114767	27033
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25593	117772	1	N	BanksiaWld12054		No	114771	27037
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25594	117773	1	N	BanksiaWld12055		No	114772	27038
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25596	117775	1	N	BanksiaWld12057		No	114774	27040
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25598	117777	1	N	BanksiaWld12059		No	114776	27042
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	25602	117781	1	N	BanksiaWld12063		No	114780	27046
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000										

FID	Name	ORIG_FID	FID_IDencia	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_q	OCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	OCC_CON	FID	BOY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25638	117819	1		BanksiaWldt12101		No	114818	27084	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25639	117820	1		BanksiaWldt12102		No	114819	27085	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25640	117821	1		BanksiaWldt12103		No	114820	27086	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25641	117822	1		BanksiaWldt12104		No	114821	27087	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25642	117823	1		BanksiaWldt12105		No	114822	27088	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	120857	117824	1		BanksiaWldt12106		No	114823	27089	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25643	117825	1		BanksiaWldt12107		No	114824	27090	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25644	117826	1		BanksiaWldt12108		No	114825	27091	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25645	117827	1		BanksiaWldt12109		No	114826	27092	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25646	117828	1		BanksiaWldt12110		No	114827	27093	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25647	117829	1		BanksiaWldt12111		No	114828	27094	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25648	117830	1		BanksiaWldt12112		No	114829	27095	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	120858	117831	1		BanksiaWldt12113		No	114830	27096	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25649	117832	1		BanksiaWldt12114		No	114831	27097	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25650	117833	1		BanksiaWldt12115		No	114832	27098	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25651	117834	1		BanksiaWldt12116		No	114833	27099	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25652	117835	1		BanksiaWldt12117		No	114834	27100	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25653	117836	1		BanksiaWldt12118		No	114835	27101	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25654	117837	1		BanksiaWldt12119		No	114836	27102	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25655	117838	1		BanksiaWldt12120		No	114837	27103	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25659	117842	1		BanksiaWldt12124		No	114841	27107	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25660	117843	1		BanksiaWldt12125		No	114842	27108	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25661	117844	1		BanksiaWldt12126		No	114843	27109	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25662	117845	1		BanksiaWldt12127		No	114844	27110	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25663	117846	1		BanksiaWldt12128		No	114845	27111	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25664	117847	1		BanksiaWldt12129		No	114846	27112	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25665	117848	1		BanksiaWldt12130		No	114847	27113	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25666	117849	1		BanksiaWldt12131		No	114848	27114	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25667	117850	1		BanksiaWldt12132		No	114849	27115	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25668	117851	1		BanksiaWldt12133		No	114850	27116	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25669	117852	1		BanksiaWldt12134		No	114851	27117	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25672	117854	1		BanksiaWldt12136		No	114853	27119	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25671	117855	1		BanksiaWldt12137		No	114854	27120	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25673	117856	1		BanksiaWldt12138		No	114855	27121	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25674	117857	1		BanksiaWldt12139		No	114856	27122	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25675	117858	1		BanksiaWldt12140		No	114857	27123	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25676	117859	1		BanksiaWldt12141		No	114858	27124	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25677	117860	1		BanksiaWldt12142		No	114859	27125	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25678	117861	1		BanksiaWldt12143		No	114860	27126	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25679	117862	1		BanksiaWldt12144		No	114861	27127	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25680	117863	1		BanksiaWldt12145		No	114862	27128	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25681	117864	1		BanksiaWldt12146		No	114863	27129	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25682	117865	1		BanksiaWldt12147		No	114864	27130	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25683	117866	1		BanksiaWldt12148		No	114865	27131	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25684	117867	1		BanksiaWldt12149		No	114866	27132	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endanges	200	0.000000000000	0.000000000000	0.000000000000	25685	117868	1		BanksiaWldt12150		No	114867	27133	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25686	117869	1		BanksiaWldt12151		No	114868	27134	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25687	117870	1		BanksiaWldt12152		No	114869	27135	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25688	117871	1		BanksiaWldt12153		No	114870	27136	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25690	117873	1		BanksiaWldt12155		No	114872	27138	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25697	117880	1		BanksiaWldt12162		No	114879	27145	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25701	117884	1		BanksiaWldt12166		No	114883	27149	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25702	117885	1		BanksiaWldt12167		No	114884	27150	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25703	117886	1							

FID	Name	ORIG_FID	FID_Index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_ID	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	QCC_CON	FID	BOY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25737	117920	1		BanksiaWldt12202		No	114919	27185	1
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25738	117921	1		BanksiaWldt12203		No	114920	27186	2
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25739	117922	1		BanksiaWldt12204		No	114921	27187	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25740	117923	1		BanksiaWldt12205		No	114922	27188	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25741	117924	1		BanksiaWldt12206		No	114923	27189	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25742	117925	1		BanksiaWldt12207		No	114924	27190	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25743	117926	1		BanksiaWldt12208		No	114925	27191	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25744	117927	1		BanksiaWldt12209		No	114926	27192	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25745	117928	1		BanksiaWldt12210		No	114927	27193	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25746	117929	1		BanksiaWldt12211		No	114928	27194	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25747	117930	1		BanksiaWldt12212		No	114929	27195	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25748	117931	1		BanksiaWldt12213		No	114930	27196	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25749	117932	1		BanksiaWldt12214		No	114931	27197	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25750	117933	1		BanksiaWldt12215		No	114932	27198	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25751	117934	1		BanksiaWldt12216		No	114933	27199	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25752	117935	1		BanksiaWldt12217		No	114934	27200	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25753	117936	1		BanksiaWldt12218		No	114935	27201	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25754	117937	1		BanksiaWldt12219		No	114936	27202	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25755	117938	1		BanksiaWldt12220		No	114937	27203	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25756	117939	1		BanksiaWldt12221		No	114938	27204	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25757	117940	1		BanksiaWldt12222		No	114939	27205	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25758	117941	1		BanksiaWldt12223		No	114940	27206	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25759	117942	1		BanksiaWldt12224		No	114941	27207	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25760	117943	1		BanksiaWldt12225		No	114942	27208	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25761	117944	1		BanksiaWldt12226		No	114943	27209	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25762	117945	1		BanksiaWldt12227		No	114944	27210	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25763	117946	1		BanksiaWldt12228		No	114945	27211	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25764	117947	1		BanksiaWldt12229		No	114946	27212	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25765	117948	1		BanksiaWldt12230		No	114947	27213	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25766	117949	1		BanksiaWldt12231		No	114948	27214	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25767	117950	1		BanksiaWldt12232		No	114949	27215	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25768	117951	1		BanksiaWldt12233		No	114950	27216	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25769	117952	1		BanksiaWldt12234		No	114951	27217	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25770	117953	1		BanksiaWldt12235		No	114952	27218	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25771	117954	1		BanksiaWldt12236		No	114953	27219	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25772	117955	1		BanksiaWldt12237		No	114954	27220	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25773	117956	1		BanksiaWldt12238		No	114955	27221	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25774	117957	1		BanksiaWldt12239		No	114956	27222	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25775	117958	1		BanksiaWldt12240		No	114957	27223	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25776	117959	1		BanksiaWldt12241		No	114958	27224	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25777	117960	1		BanksiaWldt12242		No	114959	27225	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25778	117961	1		BanksiaWldt12243		No	114960	27226	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25779	117962	1		BanksiaWldt12244		No	114961	27227	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25780	117963	1		BanksiaWldt12245		No	114962	27228	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25781	117964	1		BanksiaWldt12246		No	114963	27229	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25782	117965	1		BanksiaWldt12247		No	114964	27230	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25783	117966	1		BanksiaWldt12248		No	114965	27231	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25784	117967	1		BanksiaWldt12249		No	114966	27232	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25785	117968	1		BanksiaWldt12250		No	114967	27233	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25786	117969	1		BanksiaWldt12251		No	114968	27234	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25787	117970	1		BanksiaWldt12252		No	114969	27235	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25788	117971	1		BanksiaWldt12253		No	114970	27236	
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25789	117972	1		BanksiaWldt12254	</				

FID	CONV	Name	ORIG_FID	FID_IDencia	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_p	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	QCC_CON	FID	BOY_ID	ORIG_FID
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25866	118052	NT		BanksiaWld12334	No	115051		27317	1
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25867	118053	1		BanksiaWld12335	No	115052		27318	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25869	118055	1		BanksiaWld12337	No	115054		27320	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25870	118056	1		BanksiaWld12338	No	115055		27321	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25871	118057	1		BanksiaWld12339	No	115056		27322	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25872	118058	1		BanksiaWld12340	No	115057		27323	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25873	118059	1		BanksiaWld12341	No	115058		27324	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25874	118060	1		BanksiaWld12342	No	115059		27325	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25875	118061	1		BanksiaWld12343	No	115060		27326	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25878	118064	1		BanksiaWld12346	No	115063		27329	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25879	118065	1		BanksiaWld12347	No	115064		27330	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25880	118066	1		BanksiaWld12348	No	115065		27331	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25881	118067	1		BanksiaWld12349	No	115066		27332	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25882	118068	1		BanksiaWld12350	No	115067		27333	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25883	118069	1		BanksiaWld12351	No	115068		27334	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25884	118070	1		BanksiaWld12352	No	115069		27335	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25888	118074	1		BanksiaWld12356	No	115073		27339	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25889	118075	1		BanksiaWld12357	No	115074		27340	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25890	118076	1		BanksiaWld12358	No	115075		27341	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25891	118077	1		BanksiaWld12359	No	115076		27342	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25892	118078	1		BanksiaWld12360	No	115077		27343	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25893	118079	1		BanksiaWld12361	No	115078		27344	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25894	118080	1		BanksiaWld12362	No	115079		27345	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25895	118081	1		BanksiaWld12363	No	115080		27346	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25896	118082	1		BanksiaWld12364	No	115081		27347	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25897	118083	1		BanksiaWld12365	No	115082		27348	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25898	118084	1		BanksiaWld12366	No	115083		27349	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25899	118085	1		BanksiaWld12367	No	115084		27350	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25900	118086	1		BanksiaWld12368	No	115085		27351	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25901	118087	1		BanksiaWld12369	No	115086		27352	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25902	118088	1		BanksiaWld12370	No	115087		27353	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25903	118089	1		BanksiaWld12371	No	115088		27354	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25904	118090	1		BanksiaWld12372	No	115089		27355	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25905	118091	1		BanksiaWld12373	No	115090		27356	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25906	118092	1		BanksiaWld12374	No	115091		27357	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25907	118093	1		BanksiaWld12375	No	115092		27358	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25908	118094	1		BanksiaWld12376	No	115093		27359	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25909	118095	1		BanksiaWld12377	No	115094		27360	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25910	118096	1		BanksiaWld12378	No	115095		27361	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25911	118097	1		BanksiaWld12379	No	115096		27362	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25912	118098	1		BanksiaWld12380	No	115097		27363	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.000000000000	0.000000000000	0.000000000000	25913	118099	1		BanksiaWld12381	No	115098		27364	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25914	118100	1		BanksiaWld12382	No	115099		27365	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25915	118101	1		BanksiaWld12383	No	115100		27366	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25916	118102	1		BanksiaWld12384	No	115101		27367	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25917	118103	1		BanksiaWld12385	No	115102		27368	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25918	118104	1		BanksiaWld12386	No	115103		27369	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25919	118105	1		BanksiaWld12387	No	115104		27370	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25920	118106	1		BanksiaWld12388	No	115105		27371	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25921	118107	1		BanksiaWld12389	No	115106		27372	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25922	118108	1		BanksiaWld12390	No	115107		27373	
0		392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangr	200	0.000000000000	0.000000000000	0.000000000000	25923	118109	1		BanksiaWld12391	No	115108		27374	
0		392,464,6,4																				

	ID	Owner	ORIG_FID	FID_Indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p	QUE	UNITS	S_ID_COU	FIRST_S_ID	LAST_S_ID	OCC_CON	BOY_ID	ORIG_FID
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25952	118140	1	BanksiaWld12422		No	115139	27405	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25953	118141	1	BanksiaWld12423		No	115140	27406	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25954	118142	1	BanksiaWld12424		No	115141	27407	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25955	118143	1	BanksiaWld12425		No	115142	27408	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25956	118144	1	BanksiaWld12426		No	115143	27409	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25957	118145	1	BanksiaWld12427		No	115144	27410	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25958	118146	1	BanksiaWld12428		No	115145	27411	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25959	118147	1	BanksiaWld12429		No	115146	27412	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25960	118148	1	BanksiaWld12430		No	115147	27413	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25961	118149	1	BanksiaWld12431		No	115148	27414	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25962	118150	1	BanksiaWld12432		No	115149	27415	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25963	118151	1	BanksiaWld12433		No	115150	27416	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25964	118152	1	BanksiaWld12434		No	115151	27417	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25965	118153	1	BanksiaWld12435		No	115152	27418	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25966	118154	1	BanksiaWld12436		No	115153	27419	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25967	118155	1	BanksiaWld12437		No	115154	27420	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25968	118156	1	BanksiaWld12438		No	115155	27421	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25969	118157	1	BanksiaWld12439		No	115156	27422	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25970	118158	1	BanksiaWld12440		No	115157	27423	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25971	118159	1	BanksiaWld12441		No	115158	27424	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25972	118160	1	BanksiaWld12442		No	115159	27425	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25973	118161	1	BanksiaWld12443		No	115160	27426	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25974	118162	1	BanksiaWld12444		No	115161	27427	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25975	118163	1	BanksiaWld12445		No	115162	27428	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25976	118164	1	BanksiaWld12446		No	115163	27429	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25977	118165	1	BanksiaWld12447		No	115164	27430	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25978	118166	1	BanksiaWld12448		No	115165	27431	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25981	118169	1	BanksiaWld12451		No	115168	27434	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25982	118170	1	BanksiaWld12452		No	115169	27435	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25983	118171	1	BanksiaWld12453		No	115170	27436	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25984	118172	1	BanksiaWld12454		No	115171	27437	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25987	118175	1	BanksiaWld12457		No	115174	27440	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25988	118176	1	BanksiaWld12458		No	115175	27441	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25989	118177	1	BanksiaWld12459		No	115176	27442	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25992	118180	1	BanksiaWld12462		No	115179	27445	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25993	118181	1	BanksiaWld12463		No	115180	27446	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25994	118182	1	BanksiaWld12464		No	115181	27447	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25995	118183	1	BanksiaWld12465		No	115182	27448	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	25996	118184	1	BanksiaWld12466		No	115183	27449	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.0000000000	0.0000000000	0.0000000000	25997	118185	1	BanksiaWld12467		No	115184	27450	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	25998	118186	1	BanksiaWld12468		No	115185	27451	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	25999	118187	1	BanksiaWld12469		No	115186	27452	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26000	118188	1	BanksiaWld12470		No	115187	27453	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26001	118189	1	BanksiaWld12471		No	115188	27454	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26002	118190	1	BanksiaWld12472		No	115189	27455	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26003	118191	1	BanksiaWld12473		No	115190	27456	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26004	118192	1	BanksiaWld12474		No	115191	27457	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26005	118193	1	BanksiaWld12475		No	115192	27458	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26006	118195	1	BanksiaWld12477		No	115194	27460	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26007	118196	1	BanksiaWld12478		No	115195	27461	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26013	118202	1	BanksiaWld12484		No	115200	27466	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26014	118203	1	BanksiaWld12485		No	115202	27468	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26015	118204	1	BanksiaWld12486		No	115203	27469	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26016	118205	1	BanksiaWld12487		No	115204	27470	
0	392,464	6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangne	200	0.0000000000	0.0000000000	0.0000000000	26017	118206	1	BanksiaWld12488		No	115205	27471	
0	392,464	6,482,131	0	0</																	

FID	Name	ORIG_FID	FID_Index	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	e	FID_Rec_ID	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	FID	QCC_CON	BOY_ID	ORIG_FID
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26138	118336	1		BanksiaWId12618		No	115325	27601	1
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26139	118337	1		BanksiaWId12619		No	115326	27602	2
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26140	118338	1		BanksiaWId12620		No	115327	27603	3
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26142	118340	1		BanksiaWId12622		No	115329	27605	5
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26143	118341	1		BanksiaWId12623		No	115340	27606	6
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26144	118342	1		BanksiaWId12624		No	115341	27607	7
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26145	118343	1		BanksiaWId12625		No	115342	27608	8
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26151	118349	1		BanksiaWId12631		No	115348	27614	14
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26154	118352	1		BanksiaWId12634		No	115351	27617	17
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26155	118353	1		BanksiaWId12635		No	115352	27618	18
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26156	118354	1		BanksiaWId12636		No	115353	27619	19
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26157	118355	1		BanksiaWId12637		No	115354	27620	20
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26158	118356	1		BanksiaWId12638		No	115355	27621	21
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26159	118357	1		BanksiaWId12639		No	115356	27622	22
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26160	118358	1		BanksiaWId12640		No	115357	27623	23
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26161	118359	1		BanksiaWId12641		No	115358	27624	24
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26162	118360	1		BanksiaWId12642		No	115359	27625	25
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26163	118361	1		BanksiaWId12643		No	115360	27626	26
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26164	118362	1		BanksiaWId12644		No	115361	27627	27
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26165	118363	1		BanksiaWId12645		No	115362	27628	28
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26166	118364	1		BanksiaWId12646		No	115363	27629	29
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26167	118365	1		BanksiaWId12647		No	115364	27630	30
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26168	118366	1		BanksiaWId12648		No	115365	27631	31
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26169	118367	1		BanksiaWId12649		No	115366	27632	32
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26170	118368	1		BanksiaWId12650		No	115367	27633	33
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26171	118369	1		BanksiaWId12651		No	115368	27634	34
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26172	118370	1		BanksiaWId12652		No	115369	27635	35
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26173	118371	1		BanksiaWId12653		No	115370	27636	36
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26174	118372	1		BanksiaWId12654		No	115371	27637	37
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26175	118373	1		BanksiaWId12655		No	115372	27638	38
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26176	118374	1		BanksiaWId12656		No	115373	27639	39
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26177	118375	1		BanksiaWId12657		No	115374	27640	40
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26178	118376	1		BanksiaWId12658		No	115375	27641	41
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26179	118377	1		BanksiaWId12659		No	115376	27642	42
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26181	120694	1		BanksiaWId14976		No	117693	29953	43
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26182	120695	1		BanksiaWId14977		No	117694	29954	44
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	26183	120696	1		BanksiaWId14978		No	117695	29955	45
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangere	200	0.00000000000	0.00000000000	0.00000000000	26188	120701	1		BanksiaWId14983		No	117700	29960	46
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28404	120707	1		BanksiaWId14989		No	117706	29966	47
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28405	120708	1		BanksiaWId14990		No	117707	29967	48
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28406	120709	1		BanksiaWId14991		No	117708	29968	49
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28408	120711	1		BanksiaWId14993		No	117710	29970	50
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28409	120712	1		BanksiaWId14994		No	117711	29971	51
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28410	120713	1		BanksiaWId14995		No	117712	29972	52
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28411	120714	1		BanksiaWId14996		No	117713	29973	53
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28417	120720	1		BanksiaWId15002		No	117719	29979	54
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28419	120722	1		BanksiaWId15004		No	117721	29981	55
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28509	120813	1		BanksiaWId15095		No	117812	30072	56
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28510	120814	1		BanksiaWId15096		No	117813	30073	57
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28511	120815	1		BanksiaWId15097		No	117814	30074	58
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28512	120816	1		BanksiaWId15098		No	117815	30075	59
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28513	120817	1		BanksiaWId15099		No	117816	30076	60
0	392,464,6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28514	120818	1		BanksiaWId15100		No	117817	30077	61
0	392,464,6,482,131																				

FID_Conver	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p	QCC_UNI	S_ID_COU	FIRST_S_ID	LAST_S_ID	OCC_CON	BDY_ID	ORIG_FID
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	6	120881	1	BanksiaWld15163		No	117880	30140
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28576	120882	1	BanksiaWld15164		No	117881	30141
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28578	120883	1	BanksiaWld15165		No	117882	30142
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28579	120884	1	BanksiaWld15166		No	117883	30143
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28580	120885	1	BanksiaWld15167		No	117884	30144
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28581	120886	1	BanksiaWld15168		No	117885	30145
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28584	120889	1	BanksiaWld15171		No	117888	30148
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28589	120894	1	BanksiaWld15176		No	117893	30153
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28590	120895	1	BanksiaWld15177		No	117894	30154
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28591	120896	1	BanksiaWld15178		No	117895	30155
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28592	120897	1	BanksiaWld15179		No	117896	30156
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28593	120898	1	BanksiaWld15180		No	117897	30157
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28594	120899	1	BanksiaWld15181		No	117898	30158
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28596	120901	1	BanksiaWld15183		No	117900	30160
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28603	120908	1	BanksiaWld15190		No	117907	30167
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28606	120911	1	BanksiaWld15193		No	117910	30170
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28613	120918	1	BanksiaWld15200		No	117917	30177
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28615	120920	1	BanksiaWld15202		No	117919	30179
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28621	120926	1	BanksiaWld15208		No	117925	30185
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28622	120927	1	BanksiaWld15209		No	117926	30186
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28623	120928	1	BanksiaWld15210		No	117927	30187
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28624	120929	1	BanksiaWld15211		No	117928	30188
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28625	120930	1	BanksiaWld15212		No	117929	30189
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endanged	200	0.00000000000	0.00000000000	0.00000000000	28626	120931	1	BanksiaWld15213		No	117930	30190
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28629	120934	1	BanksiaWld15216		No	117933	30193
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28630	120935	1	BanksiaWld15217		No	117934	30194
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28631	120936	1	BanksiaWld15218		No	117935	30195
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28632	120937	1	BanksiaWld15219		No	117936	30196
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28636	120941	1	BanksiaWld15223		No	117940	30200
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28638	120943	1	BanksiaWld15225		No	117942	30202
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28649	120954	1	BanksiaWld15236		No	117953	30213
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endanged	200	0.00000000000	0.00000000000	0.00000000000	28650	120955	1	BanksiaWld15237		No	117954	30214
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28651	120956	1	BanksiaWld15238		No	117955	30215
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28652	120957	1	BanksiaWld15239		No	117956	30216
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangsd	200	0.00000000000	0.00000000000	0.00000000000	28653	120958	1	BanksiaWld15240		No	117957	30217
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28654	120959	1	BanksiaWld15241		No	117958	30218
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28655	120960	1	BanksiaWld15242		No	117959	30219
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28672	120977	1	BanksiaWld15259		No	117976	30236
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28673	120978	1	BanksiaWld15260		No	117977	30237
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28674	120979	1	BanksiaWld15261		No	117978	30238
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endanged	200	0.00000000000	0.00000000000	0.00000000000	28675	120980	1	BanksiaWld15262		No	117979	30239
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28827	121132	1	BanksiaWld15414		No	118131	30391
0	392,464, 6,482,131	0	0	Banksia WL SCP	Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Priority 3	Endangered	200	0.00000000000	0.00000000000	0.00000000000	28828	121133	1	BanksiaWld15415		No	118132	30392
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	200	0.00000000000	0.00000000000	0.00000000000	123250	124822	1	Dianella03		No	0	826
0	392,464, 6,482,131	0	0	SCP30a	Callitris preissii (or Melaleuca lanceolata) forests and woodlands, Swan Coastal Plain (floristic community type 30a as originally described in Gibson et al. (1994))	Vulnerable		300	0.00000000000	0.00000000000	0.00000000000	31310	124844	1	Craigie01		No	121864	32968
0	392,464, 6,482,131	0	0	SCP20a	Banksia attenuata woodlands over species rich dense shrublands (floristic community type 20a as originally described in Gibson et al. (1994))	Endangered	Endangered	500	0.00000000000	0.00000000000	0.00000000000	122725	124864	1	Goldsworthy01		No	0	292
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117464	125104	1	TuartWld0003		No	122173	120489
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117474	125114	1	TuartWld0013		No	122183	120499
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117475	125115	1	TuartWld0014		No	122184	120500
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117476	125116	1	TuartWld0015		No	122185	120501
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117477	125117	1	TuartWld0016		No	122186	120502
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117481	125121	1	TuartWld0020		No	122190	120506
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117482	125122	1	TuartWld0021		No	122191	120507
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117483	125123	1	TuartWld0022		No	122192	120508
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.00000000000	0.00000000000	0.00000000000	117484	1251						

FID_Conver	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_Rec_p e	OCC_UNI QUE	S_ID_COU NT	FIRST_S_ID	LAST_S_ID	OCC_CON FID	BOY_ID	ORIG_FID _1
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117697	125337	1	TuartWld0236		No	122406	120724
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117850	125490	1	TuartWld0389		No	122559	120877
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117851	125491	1	TuartWld0390		No	122560	120878
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117852	125492	1	TuartWld0391		No	122561	120879
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117853	125493	1	TuartWld0392		No	122562	120880
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	117854	125494	1	TuartWld0393		No	122563	120881
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118489	126129	1	TuartWld1028		No	123198	121516
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118490	126130	1	TuartWld1029		No	123199	121517
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118491	126131	1	TuartWld1030		No	123200	121518
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118492	126132	1	TuartWld1031		No	123201	121519
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118495	126135	1	TuartWld1034		No	123204	121522
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118496	126136	1	TuartWld1035		No	123205	121523
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118930	126570	1	TuartWld1469		No	123639	121957
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118931	126571	1	TuartWld1470		No	123640	121958
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118932	126572	1	TuartWld1471		No	123641	121959
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118933	126573	1	TuartWld1472		No	123642	121960
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118934	126574	1	TuartWld1473		No	123643	121961
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118935	126575	1	TuartWld1474		No	123644	121962
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118936	126576	1	TuartWld1475		No	123645	121963
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118937	126577	1	TuartWld1476		No	123646	121964
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118938	126578	1	TuartWld1477		No	123647	121965
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118939	126579	1	TuartWld1478		No	123648	121966
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118940	126580	1	TuartWld1479		No	123649	121967
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118941	126581	1	TuartWld1480		No	123650	121968
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118942	126582	1	TuartWld1481		No	123651	121969
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118943	126583	1	TuartWld1482		No	123652	121970
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118944	126584	1	TuartWld1483		No	123653	121971
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118945	126585	1	TuartWld1484		No	123654	121972
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118946	126586	1	TuartWld1485		No	123655	121973
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118947	126587	1	TuartWld1486		No	123656	121974
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118948	126588	1	TuartWld1487		No	123657	121975
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118949	126589	1	TuartWld1488		No	123658	121976
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118950	126590	1	TuartWld1489		No	123659	121977
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118958	126598	1	TuartWld1497		No	123667	121985
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118959	126599	1	TuartWld1498		No	123668	121986
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118964	126604	1	TuartWld1503		No	123673	121991
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118965	126605	1	TuartWld1504		No	123674	121992
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118966	126606	1	TuartWld1505		No	123675	121993
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118967	126607	1	TuartWld1506		No	123676	121994
0	392,464,6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118968	126608	1	TuartWld1507		No	123677	121995

FID_Conver	Name	ORIG_FID	FID_indica	COM_ID	COM_NAME	STATE_CATG	COMM_CATG	BUFFER	HECTARES	Shape_Leng	Shape_Area	FID_tec_p e	OCC_UNI QUE	S_ID_COU NT	FIRST_S_ID	LAST_S_ID	OCC_CON FID	BDY_ID	ORIG_FID _1
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118969	126609	1	TuartWld1508		No	123678	121996
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118970	126610	1	TuartWld1509		No	123679	121997
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118971	126611	1	TuartWld1510		No	123680	121998
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118972	126612	1	TuartWld1511		No	123681	121999
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118973	126613	1	TuartWld1512		No	123682	122000
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118974	126614	1	TuartWld1513		No	123683	122001
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118975	126615	1	TuartWld1514		No	123684	122002
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118976	126616	1	TuartWld1515		No	123685	122003
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118977	126617	1	TuartWld1516		No	123686	122004
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118997	126637	1	TuartWld1536		No	123706	122024
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	118999	126639	1	TuartWld1538		No	123708	122026
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	119000	126640	1	TuartWld1539		No	123709	122027
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	119001	126641	1	TuartWld1540		No	123710	122028
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	119002	126642	1	TuartWld1541		No	123711	122029
0	392,464, 6,482,131	0	0	Tuart woodlands	Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered	500	0.0000000000	0.0000000000	0.0000000000	119016	126656	1	TuartWld1555		No	123725	122043
0	392,464, 6,482,131	0	0	Mound Springs SCP	Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Critically Endangered	Endangered	500	0.0000000000	0.0000000000	0.0000000000	123903	126907	1	WhitemanSpring		No	0	1520

APPENDIX 6

Flora Species List

SPECIES LIST – Lot 501 Curtis Way, Girrawheen

CYCADS

ZAMIACEAE

Macrozamia riedlei

MONOCOTYLEDONS

ANARTHRIACEAE

Lyginia barbata

ASPARAGACEAE

**Agave americana*

Chamaescilla corymbosa

Lomandra caespitosa

Lomandra hermaphrodita

Thysanotus patersonii

COLCHICACEAE

Burchardia congesta

CYPERACEAE

Lepidosperma leptostachyum

Mesomelaena pseudostygia

Morelotia octandra

HAEMODORACEAE

Conostylis aurea

Conostylis setigera

Haemodorum spicatum

HEMEROCALLIDACEAE

Corynotheca micrantha

Dianella revoluta var. *divaricata*

Tricoryne elatior

IRIDACEAE

**Gladiolus caryophyllaceus*

**Moraea flaccida*

Orthrosanthus laxus

Patersonia occidentalis

**Romulea rosea*

ORCHIDACEAE

Caladenia flava

**Disa bracteata*

Microtis media subsp. *media*

Thelymitra sp

POACEAE

Amphipogon turbinatus

Austrostipa flavescens

**Avena fatua*

**Briza maxima*

**Bromus diandrus*

**Cenchrus clandestinus*

**Cynodon dactylon*

**Ehrharta calycina*

**Lagurus ovatus*

**Pentameris airoides*

RESTIONACEAE

Alexgeorgea nitens

Desmocladius flexuosus

XANTHORRHOEACEAE

Xanthorrhoea brunonis

Xanthorrhoea preissii

DICOTYLEDONS

AMARANTHACEAE

Ptilotus polystachyus

APIACEAE

Eryngium pinnatifidum

ASTERACEAE

**Gazania linearis*

**Hypochaeris glabra*

**Sonchus oleraceus*

**Urospermum picroides*

**Ursinia anthemoides*

CAMPANULACEAE

**Wahlenbergia capensis*

CARYOPHYLLACEAE

**Silene gallica*

CASUARINACEAE

Allocasuarina humilis

DILLENIACEAE

Hibbertia huegelii

Hibbertia hypericoides

Hibbertia racemosa

DROSERACEAE

Drosera erythrorhiza

ERICACEAE

Conostephium pendulum

Styphelia pallida

Styphelia propinqua

EUPHORBIACEAE

**Euphorbia peplus*

**Euphorbia terracina*

FABACEAE

**Acacia iteaphylla*

Acacia pulchella

Acacia saligna

Bossiaea eriocarpa

Daviesia nudiflora

Gastrolobium capitatum

Gompholobium tomentosum

Hardenbergia comptoniana

Isotropis cuneifolia

Jacksonia sericea

Jacksonia sternbergiana

**Trifolium arvense*

**Trifolium campestre*

GERANIACEAE

**Pelargonium capitatum*

GOODENIACEAE

Dampiera linearis

Scaevola repens

LAMIACEAE

Hemiandra linearis

MYRTACEAE

Eucalyptus gomphocephala

Eucalyptus marginata

Hypocalymma robustum

OROBANCHACEAE

**Orobanche minor*

OXALIDACEAE

**Oxalis pes-caprae*

PRIMULACEAE

**Lysimachia arvensis*

PROTEACEAE

Banksia attenuata

Banksia dallanneyi

Banksia menziesii

Grevillea vestita

Hakea prostrata

Petrophile linearis

Petrophile macrostachya

Stirlingia latifolia

Synaphea spinulosa

VALERIANACEAE

**Centranthus macrosiphon*

VIOLACEAE

Hybanthus calycinus

APPENDIX 7

Quadrat Data

QUADRAT CW1

50 390550 E 6477084 N

Vegetation: *Eucalyptus marginata*/*Banksia attenuata* Low Open Woodland over *Xanthorrhoea preissii* Shrubland

Condition: Good

Soil Type: Dark brown sand

Landform: Flat

Date: 19.11.21

Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Eucalyptus marginata</i>	12	5
<i>Banksia attenuata</i>	4	5
<i>Macrozamia riedlei</i>	1.7	1
<i>Xanthorrhoea preissii</i>	1.5	20
<i>Jacksonia sternbergiana</i>	1.2	1
* <i>Ehrharta calycina</i>	1.1	2
<i>Hakea prostrata</i>	1.1	1
<i>Xanthorrhoea brunonis</i>	0.8	1
* <i>Avena fatua</i>	0.8	1
* <i>Gladiolus caryophyllaceus</i>	0.7	<1
<i>Morelotia octandra</i>	0.5	1
<i>Corynotheca micrantha</i>	0.5	<1
<i>Lepidosperma leptostachyum</i>	0.5	<1
<i>Eryngium pinnatifidum</i>	0.5	<1
<i>Lyginia barbata</i>	0.5	<1
<i>Mesomelaena pseudostygia</i>	0.4	1
<i>Hibbertia hypericoides</i>	0.4	1
<i>Burchardia congesta</i>	0.4	<1

SPECIES	HEIGHT (m)	COVER (%)
<i>Styphelia propinqua</i>	0.4	<1
<i>Patersonia occidentalis</i>	0.4	<1
<i>Microtis media</i>	0.3	<1
<i>Isotropis cuneifolia</i>	0.2	<1
* <i>Orobanche minor</i>	0.2	<1
<i>Petrophile linearis</i>	0.2	<1
<i>Hibbertia huegelii</i>	0.2	<1
<i>Lomandra hermaphrodita</i>	0.2	<1
* <i>Ursinia anthemoides</i>	0.2	<1
<i>Desmocladus flexuosus</i>	0.1	1
<i>Jacksonia sericea</i>	0.1	1
<i>Banksia dallanneyi</i>	0.1	<1
<i>Hardenbergia comptoniana</i>	Climber	<1

* introduced species

QUADRAT CW2

50 390567 E 6477184 N

Vegetation: *Eucalyptus marginata*/*Banksia attenuata* Low Open Woodland over *Xanthorrhoea preissii* Shrubland
Condition: Good
Soil Type: Yellow-grey sand
Landform: Flat
Date: 19.11.21
Recorder: Paul van der Moezel



QUADRAT (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Eucalyptus marginata</i>	5	5
<i>Banksia attenuata</i>	4	5
<i>Xanthorrhoea preissii</i>	1.5-2	25
<i>Austrostipa flavescens</i>	1.1	2
* <i>Ehrharta calycina</i>	1	2
<i>Hakea prostrata</i>	1	1
<i>Macrozamia riedlei</i>	1	1
<i>Jacksonia sternbergiana</i>	0.8	2
<i>Xanthorrhoea brunonis</i>	0.8	1
<i>Gompholobium tomentosum</i>	0.7	1
* <i>Gladiolus caryophyllaceus</i>	0.7	<1
<i>Grevillea vestita</i>	0.6	<1
<i>Mesomelaena pseudostygia</i>	0.5	4
<i>Patersonia occidentalis</i>	0.5	1
<i>Morelotia octandra</i>	0.4	5
<i>Hibbertia huegelii</i>	0.4	1
<i>Dianella revoluta</i> var. <i>divaricata</i>	0.4	<1

SPECIES	HEIGHT (m)	COVER (%)
<i>Lomandra hermaphrodita</i>	0.4	<1
<i>Eryngium pinnatifidum</i>	0.4	<1
<i>Conostylis aurea</i>	0.3	1
<i>Isotropis cuneifolia</i>	0.3	<1
<i>Tricoryne elatior</i>	0.3	<1
<i>Stirlingia latifolia</i>	0.3	<1
<i>Corynotheca micrantha</i>	0.3	<1
<i>Hibbertia hypericoides</i>	0.3	<1
<i>Styphelia propinqua</i>	0.3	<1
<i>Synaphea spinulosa</i>	0.3	<1
<i>Microtis media</i>	0.3	<1
* <i>Wahlenbergia capensis</i>	0.3	<1
<i>Desmocladius flexuosus</i>	0.2	5
<i>Lomandra caespitosa</i>	0.2	<1
<i>Petrophile linearis</i>	0.2	<1
* <i>Ursinia anthemoides</i>	0.2	<1
<i>Thelymitra sp</i>	0.2	<1
<i>Bossiaea eriocarpa</i>	0.2	<1
<i>Jacksonia sericea</i>	0.1	10
<i>Alexgeorgea nitens</i>	0.1	1
* <i>Romulea rosea</i>	0.1	<1
<i>Scaevola repens</i>	0.1	<1
* <i>Orobanche minor</i>	0.1	<1
<i>Conostephium pendulum</i>	0.1	<1
* <i>Silene gallica</i>	0.1	<1
* <i>Briza maxima</i>	0.1	<1
<i>Hardenbergia comptoniana</i>	Climber	<1

* introduced species

QUADRAT CW3

50 390567 E 6477153 N

Vegetation: *Eucalyptus gomphocephala*/*E. marginata* Woodland over
Xanthorrhoea preissii Shrubland

Condition: Good

Soil Type: Dark grey sand

Landform: Flat

Date: 19.11.21

Recorder: Paul van der Moezel



Quadrat (10 x 10m)

SPECIES	HEIGHT (m)	COVER (%)
<i>Eucalyptus gomphocephala</i>	12	25
<i>Eucalyptus marginata</i>	8	5
<i>Acacia saligna</i>	2.1	1
<i>Banksia menziesii</i>	2	<1
<i>Xanthorrhoea preissii</i>	1.5	20
* <i>Ehrharta calycina</i>	1.1	2
<i>Jacksonia sternbergiana</i>	1	2
<i>Xanthorrhoea brunonis</i>	1	1
<i>Austrostipa flavescens</i>	0.9	<1
* <i>Gladiolus caryophyllaceus</i>	0.5	<1
* <i>Morae flaccida</i>	0.4	<1
<i>Corynotheca micrantha</i>	0.4	<1
<i>Morelotia octandra</i>	0.3	5
<i>Mesomelaena pseudostygia</i>	0.3	2
<i>Gompholobium tomentosum</i>	0.3	<1
* <i>Urospermum picroides</i>	0.3	<1
<i>Petrophile macrostachya</i>	0.2	2
<i>Desmodcladus flexuosus</i>	0.2	2

SPECIES	HEIGHT (m)	COVER (%)
<i>Microtis media</i>	0.2	<1
<i>Tricoryne elatior</i>	0.2	<1
<i>Hybanthus calycinus</i>	0.2	<1
<i>Isotropis cuneifolia</i>	0.2	<1
<i>Conostylis aurea</i>	0.2	<1
<i>Thelymitra sp</i>	0.2	<1
* <i>Gazania linearis</i>	0.2	<1
<i>Jacksonia sericea</i>	0.1	5
<i>Scaevola repens</i>	0.1	1
<i>Hardenbergia comptoniana</i>	Climber	<1

* introduced species