

FORREST BEACH TOURISM DEVELOPMENT

LOT 806, 4292 & 10 FORREST BEACH ROAD, FORREST BEACH



PROJECT REF: 1428

Prepared for
 Seaview Farms
 641 Forrest Beach Road
 Forrest Beach WA 6271

History and Status of this Document

Revision	Date issued	Prepared by	Reviewed by	Revision type
Rev 1	31/10/23	RC	NT	Lodgement

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1.0 Introduction

Dynamic Planning and Developments acts on behalf of the registered proprietor of Lot 806 and 10 Forrest Beach Road, Forrest Beach (herein referred to as the 'subject site').

This planning report has been prepared in support of an Application for Planning Approval for a proposed tourist development at the subject site. This planning report contains the following pertinent details of the proposal relevant to the assessment of the application:

- Details of the proposal; and
- Assessment of the proposed development against the provisions of the Greater Bunbury Region Scheme and any relevant State Planning Policies.

In addition to this planning report, the following documentation has been provided in order to assist the Western Australian Planning Commission in determining the proposed application:

- Certificates of Title (**Appendix 1**).
- Relevant development plans (**Appendix 2**).
- Bushfire Management Plan (**Appendix 3**).
- Flora and Fauna Assessment (**Appendix 4**).

It will be demonstrated in subsequent sections of this submission that the proposed development is entirely appropriate for approval.

2.0 Site Details

2.1 Legal Description

The subject site is legally described as:

Lot	Plan	Folio	Volume	Street Address
806	301595	1297	913	Forrest Beach Road
10	29261	913	148	
4292	208716	1252	102	

The area of the subject site is 17ha.

A copy of the Certificates of Title pertinent to the subject site is contained in **Appendix 1**.

2.2 Locational and Land Use Context

2.2.1 Regional and Local Context

The subject site is located within the Shire of Capel municipal area and the Forrest Beach locality which is approximately 16km from the centre of Busselton.

The site has extensive frontage to Forrest Beach with a portion of Lot 806 including land on the actual beach. At present the site is vacant and occupied primarily by low quality coastal vegetation. Access to the site occurs via Forrest Beach Road which is presently unsealed.

Figures 1 and 2 depict the subject site in its regional and local context, respectively.

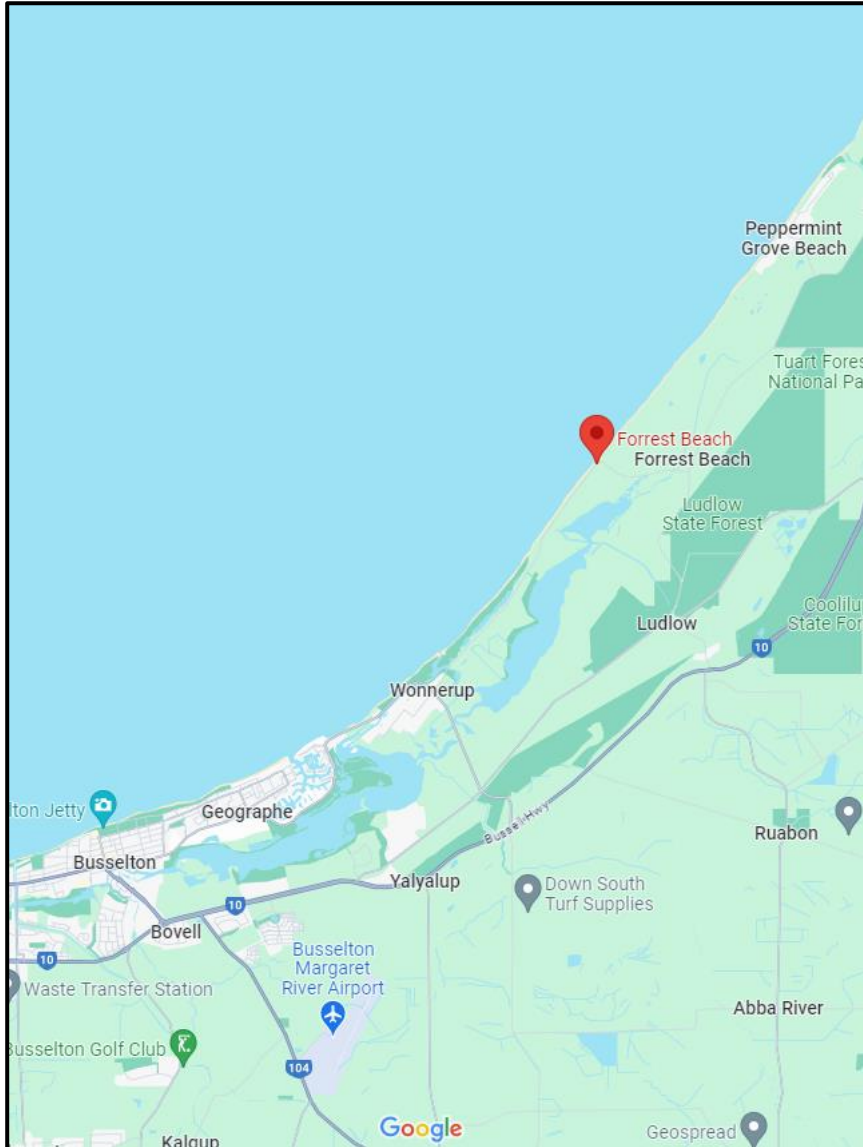


Figure 1 – Regional Context



Figure 2 – Local Context

3.0 Planning Framework

3.1 Greater Bunbury Region Scheme (GBRS)

Under the Greater Bunbury Region Scheme (GBRS) the subject site is reserved for the purposes of Regional Open Space. This reserve is intended to 'protect the natural environment, provide recreational opportunities, safeguard important landscapes and provide for public access'.

In accordance with Clause 24 of the GBRS any development on reserved land requires the approval of the Western Australian Planning Commission. The proposed developments consistency with the reserve intent and appropriateness for approval has been addressed in detail within Section 5 of this report.

The extent of the reserve area has been highlighted in Figure 3.

3.2 Shire of Capel Local Planning Scheme No. 7 (LPS7)

In accordance with the requirements of the Planning and Development Act 2005, Local Planning Schemes are to ensure consistency with a Region Scheme. In this regard the site is also reserved as 'Regional Open Space' under the Shire of Capel LPS7. In accordance with Clause 13 (2) of LPS7, 'lands marked as regional reserves are lands reserved for a public purpose under the Greater Bunbury Region Scheme'.



Figure 3 – Greater Bunbury Region Scheme Map

4.0 Proposal Details

The proposed development intends to seek approval for a proposed tourist development at the subject site that includes permanent and temporary residential accommodation as well as a proposed 'Tavern'. The development will have a very limited impact on the proposed environment and seeks to make Forrest Beach more accessible to the general public.

4.1 Development Details

Specific details pertaining to the proposed development include:

- There will be a total of 22 permanent chalets constructed within existing dune vegetation on the eastern portion of Lot 806.
- There will be 22 temporary beach tents available for use on the western portion of Lot 806 i.e. the beach.
- A number of access paths will be provided to each chalet as well as connections to the beach.
- The proposed tavern will be located at the bend on Forrest Beach Road with car parking located on Lot 10.
- Any effluent or waste within the chalets will be stored in tanks and regularly serviced and disposed of by suitably qualified waste contractors.
- Potable water to each chalet will be provided through a centralised water tank which will store water and be pumped to each chalet.
- An APZ area will be maintained around each chalet to ensure an appropriate level of bushfire safety is provided.
- A water supply for onsite fire fighting will be provided.

5.0 Assessment

5.1 Land Use Permissibility

The appropriateness of the proposed land use and development is to have regard to the intent of the 'Regional Open Space' reserve as noted in the GBRS text which is:

To protect the natural environment, provide recreational opportunities, safeguard important landscapes and provide for public access.

With regard to the abovementioned reserve intent, the following is noted with regard to the proposed development:

1. A detailed analysis of the proposed natural environment and in particular the vegetation has been completed in the flora and fauna assessment. In accordance with this assessment, the only clearing that will occur on site will be in accordance with the Bushfire Management Plan to maintain necessary Asset Protection Zones around the proposed chalets and tavern. Importantly to comply with the APZ requirements all vegetation will not need to be cleared.
2. The proposed development will enable access to and enjoyment of Forrest Beach for recreational pursuits and the like i.e. fishing, surfing and other water sports.
3. The design of the facility is such that it will exist harmoniously within the existing landscape.

With regard to the above, it is considered that the proposed development is consistent with the reserve intent.

5.2 Other Considerations

State Planning Policy 3.7 – Planning in Bushfire Prone Areas

In accordance with the requirements outlined in State Planning Policy 3.7, we have prepared a Bushfire Management Plan that examines the bushfire threat applicable to the proposed development and puts in place measures to ensure compliance with this policy. The necessary management measures to ensure compliance are outlined below:

Landowner responsibilities	
1	Prior to occupation of any habitable building, install and maintain the required Asset Protection Zone as depicted within this Bushfire Management Plan, to achieve ratings no higher than BAL-29 in accordance with Schedule 1: Standards for Asset Protection Zones from the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 1.
2	Prepare and adopt a Landscape Management Plan for the site, incorporating the required Asset Protection Zones, to the satisfaction of the Shire of Capel.
3	Ensure the Beach Camp Sites are sited with a minimum 9m separation from beach-side, bushfire hazard vegetation.
4	Install and maintain the driveway to the Carpark and Function Centre site, including two access points to Forrest Beach Road and turnaround capability for firefighting appliances, in accordance with the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 2.
5	Install and maintain dedicated firefighting water tank(s) with total capacity of 10,000 L per habitable building [i.e. 10,000 L for each Chalet and the Function Centre] to the standards of the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 3, incorporating: non-combustible construction with approved fittings and the outlet located within 4m of an unobstructed, hardened ground surface.
6	Install and maintain signage showing evacuation routes, travel distances and what to do in a bushfire emergency.
7	Prepare and adopt a Bushfire Emergency Evacuation Plan, with consideration to Section 5.5.4 of the Guidelines for Planning in Bushfire Prone Areas, to the satisfaction of the Shire of Capel.
8	Comply with all required measures prescribed by the Shire of Capel annual Bushfire Mitigation Notice.

In light of the above and the proposed Bushfire Management Plan that has been provided in Appendix 3, the proposed development is considered to comply with State Planning Policy 3.7.

6.0 Conclusion

Based on the contents of this planning report, it is clear that the project proposal is appropriate for approval as it proposes to develop a tourist attraction for members of the public to enjoy in accordance with the intent of the Regional Open Space reserve under the Greater Bunbury Region scheme.

Appendices

APPENDIX 1 - Certificate of Title

WESTERN



AUSTRALIA

TITLE NUMBER

Volume Folio

913 148

RECORD OF CERTIFICATE OF TITLE
UNDER THE TRANSFER OF LAND ACT 1893

The person described in the first schedule is the registered proprietor of an estate in fee simple in the land described below subject to the reservations, conditions and depth limit contained in the original grant (if a grant issued) and to the limitations, interests, encumbrances and notifications shown in the second schedule.

BGRoberts
REGISTRAR OF TITLES



LAND DESCRIPTION:

LOT 10 ON DEPOSITED PLAN 29261

REGISTERED PROPRIETOR:
(FIRST SCHEDULE)

CHRISTINA MARIE FORREST OF "SEAVIEW", LOT 53 FORREST BEACH ROAD, CAPEL
AN ESTATE FOR LIFE

DAVID JAMES FORREST OF LOT 86 FORREST BEACH ROAD, CAPEL
AN ESTATE IN FEE SIMPLE IN REMAINDER EXPECTANT UPON THE
DEATH OF CHRISTINA MARIE FORREST

(T K729919) REGISTERED 1/10/2008

LIMITATIONS, INTERESTS, ENCUMBRANCES AND NOTIFICATIONS:
(SECOND SCHEDULE)

Warning: A current search of the sketch of the land should be obtained where detail of position, dimensions or area of the lot is required.
Lot as described in the land description may be a lot or location.

-----END OF CERTIFICATE OF TITLE-----

STATEMENTS:

The statements set out below are not intended to be nor should they be relied on as substitutes for inspection of the land and the relevant documents or for local government, legal, surveying or other professional advice.

SKETCH OF LAND: DP29261
PREVIOUS TITLE: 913-148
PROPERTY STREET ADDRESS: NO STREET ADDRESS INFORMATION AVAILABLE.
LOCAL GOVERNMENT AUTHORITY: SHIRE OF CAPEL

WESTERN



AUSTRALIA

TITLE NUMBER

Volume Folio

1252 102

RECORD OF CERTIFICATE OF TITLE
UNDER THE TRANSFER OF LAND ACT 1893

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BGRoberts
REGISTRAR OF TITLES



THIS IS A MULTI-LOT TITLE

LAND DESCRIPTION:

LOTS 4292 & 4319 ON DEPOSITED PLAN 208716

REGISTERED PROPRIETOR:
(FIRST SCHEDULE)

CHRISTINA MARIE FORREST OF "SEAVIEW", LOT 53 FORREST BEACH ROAD, CAPEL
AN ESTATE FOR LIFE

DAVID JAMES FORREST OF LOT 86 FORREST BEACH ROAD, CAPEL
AN ESTATE IN FEE SIMPLE IN REMAINDER EXPECTANT UPON THE
DEATH OF CHRISTINA MARIE FORREST

(T K729919) REGISTERED 1/10/2008

LIMITATIONS, INTERESTS, ENCUMBRANCES AND NOTIFICATIONS:
(SECOND SCHEDULE)

Warning: A current search of the sketch of the land should be obtained where detail of position, dimensions or area of the lot is required.
Lot as described in the land description may be a lot or location.

-----END OF CERTIFICATE OF TITLE-----

STATEMENTS:

The statements set out below are not intended to be nor should they be relied on as substitutes for inspection of the land and the relevant documents or for local government, legal, surveying or other professional advice.

SKETCH OF LAND: 1252-102 (4292/DP208716), 1252-102 (4319/DP208716)
PREVIOUS TITLE: 1252-102
PROPERTY STREET ADDRESS: NO STREET ADDRESS INFORMATION AVAILABLE.
LOCAL GOVERNMENT AUTHORITY: SHIRE OF CAPEL

EASEMENTS AND ENCUMBRANCES REFERRED TO

Superseded - Copy for Sketch Only

CT 1252 0102 B



CROWN GRANT

Vol. 1252 Fol. 102

WESTERN



AUSTRALIA

TITLE NUMBER

Volume Folio

1297 913

RECORD OF CERTIFICATE OF TITLE
UNDER THE TRANSFER OF LAND ACT 1893

The person described in the first schedule is the registered proprietor of an estate in fee simple in the land described below subject to the reservations, conditions and depth limit contained in the original grant (if a grant issued) and to the limitations, interests, encumbrances and notifications shown in the second schedule.

BGRoberts
REGISTRAR OF TITLES



LAND DESCRIPTION:

LOT 806 ON DEPOSITED PLAN 301595

REGISTERED PROPRIETOR:
(FIRST SCHEDULE)

CHRISTINA MARIE FORREST OF "SEAVIEW", LOT 53 FORREST BEACH ROAD, CAPEL
AN ESTATE FOR LIFE
DAVID JAMES FORREST OF LOT 86 FORREST BEACH ROAD, CAPEL
AN ESTATE IN FEE SIMPLE IN REMAINDER EXPECTANT UPON THE
DEATH OF CHRISTINA MARIE FORREST

(T K729919) REGISTERED 1/10/2008

LIMITATIONS, INTERESTS, ENCUMBRANCES AND NOTIFICATIONS:
(SECOND SCHEDULE)

1. TITLE EXCLUDES THE LAND SHOWN ON DEPOSITED PLAN 168493.

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Lot as described in the land description may be a lot or location.

-----END OF CERTIFICATE OF TITLE-----

STATEMENTS:

The statements set out below are not intended to be nor should they be relied on as substitutes for inspection of the land and the relevant documents or for local government, legal, surveying or other professional advice.

SKETCH OF LAND: 1297-913 (806/DP301595)
PREVIOUS TITLE: 1220-825
PROPERTY STREET ADDRESS: NO STREET ADDRESS INFORMATION AVAILABLE.
LOCAL GOVERNMENT AUTHORITY: SHIRE OF CAPEL

NOTE 1: K712130 DEPOSITED PLAN 301595 HAS YET TO BE PRODUCED.

Application 29849/65 (76460) MM
Volume 1220 Folio 825



WESTERN AUSTRALIA.

ORIGINAL
REGISTER BOOK.

INDEXED

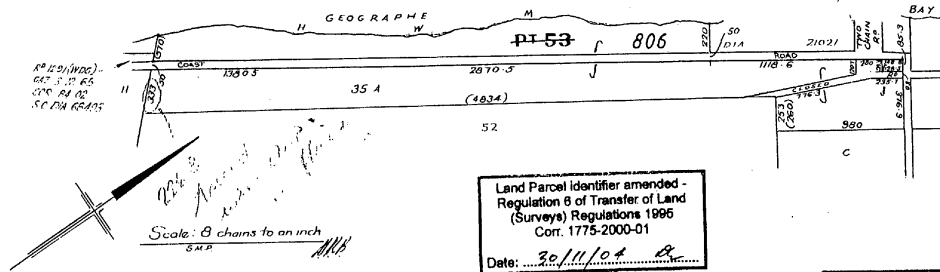
Vol. 1297 Fol. N° 913

Certificate of Title



under "The Transfer of Land Act, 1893" (56 Vic., 14. Sch. 5).

David Bruce Forrest of Ludlow, Farmer, is now the proprietor of an estate in fee simple subject to the easements and encumbrances notified hereunder in all that piece of land delineated and coloured green on the map hereon containing thirty-five acres or thereabouts, being portion of Sussex Location 52, and being Lot 806 on DP 301595



Land Parcel Identifier amended -
Regulation 6 of Transfer of Land
(Survey) Regulations 1996
Corr. 1775-2000-01
Date: 30/11/04

Dated the thirtieth day of April One thousand nine hundred and sixty-five.

John Kenneth
Registrar of Titles.

The Deposited Plan for this Certificate of Title is yet to be produced. The Plan and Lot number have been allocated as an interim measure to enable issue of a Digital Certificate of Title. Please refer to this Title for the sketch of the land.

Transfer 8440384 to James Hill Forrest of Ludlow, Farmer.
Registered 28th November 1977 at 2:40:00



For encumbrances and other matters affecting the land see back.

66360/764-48.500-11/C

Superseded - Copy for Sketch Only

EASEMENTS AND ENCUMBRANCES REFERRED TO

1297 0913

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CT 1297 0913. B



CERTIFICATE OF TITLE

Vol. 1297 Fol. No 913

APPENDIX 2 - Development Plans



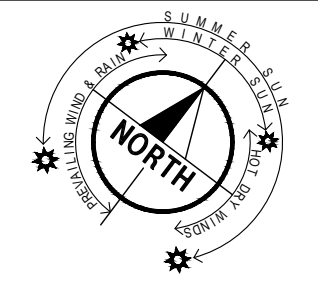
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- PROPOSED CHALETS
- PROPOSED REMOVABLE BEACH TENTS
- PROPOSED ACCESS PATHS
- APZ REQUIREMENTS

PROPOSED OVERALL SITE PLAN
SCALE: 1:2000

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C	19.12.22	REVISED AS PER COMMENTS	IJ	-
D	04.04.23	UPDATED FLOOR LAYOUTS	IJ	-



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2 MARLOW WAY THORNIE WA 6108
MOBILE: 0422 845 668
E: anthonyhbd@hotmail.com

CONCEPT ISSUE
PRELIMINARY

PROPOSED GLAMPING FACILITY
LOT 806, FORREST BEACH ROAD
FORREST BEACH
for C.M & D.J FORREST

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Rev - **D**

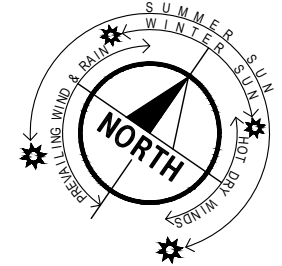


FLOOR PLAN

SCALE: 1:300

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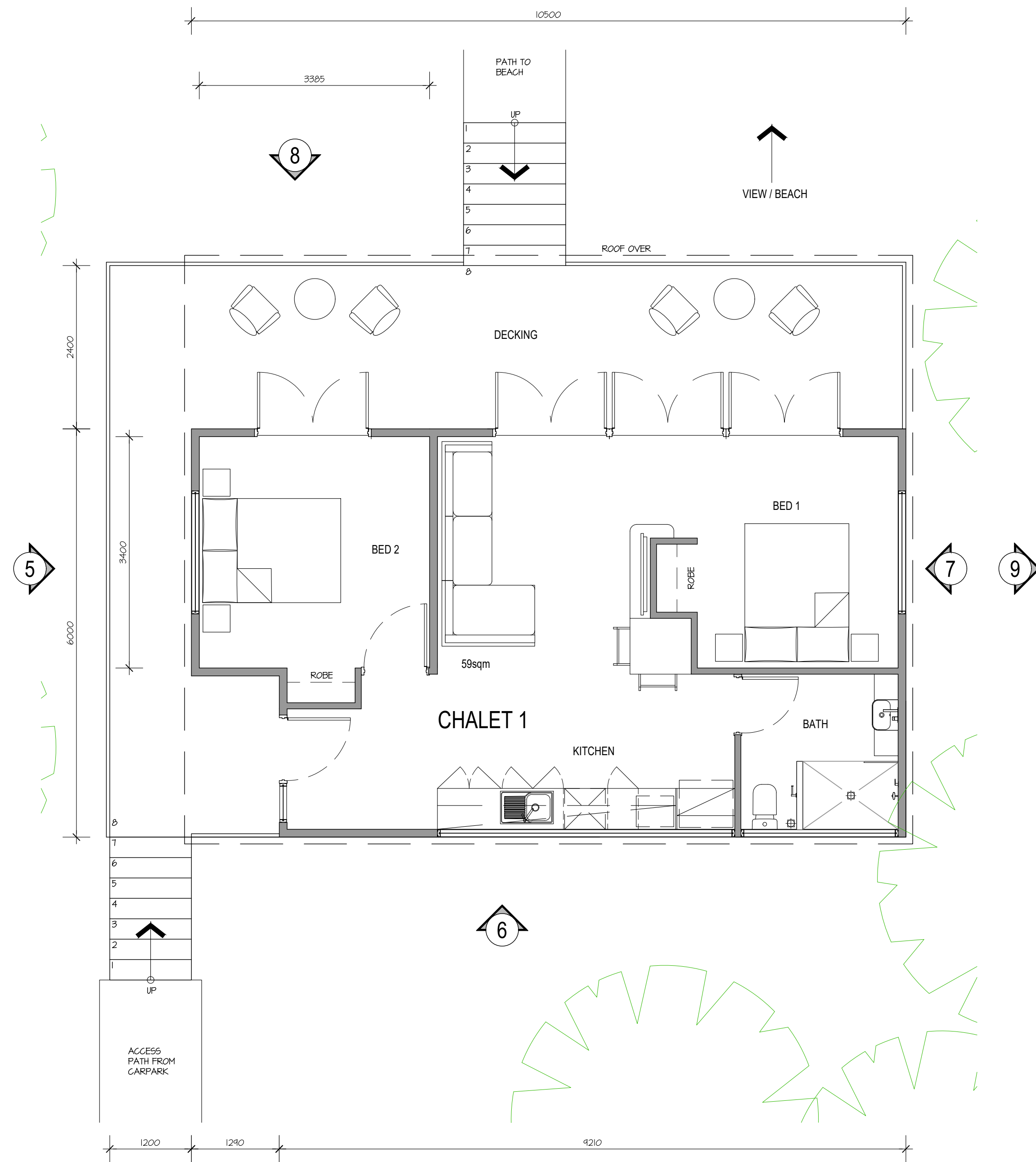


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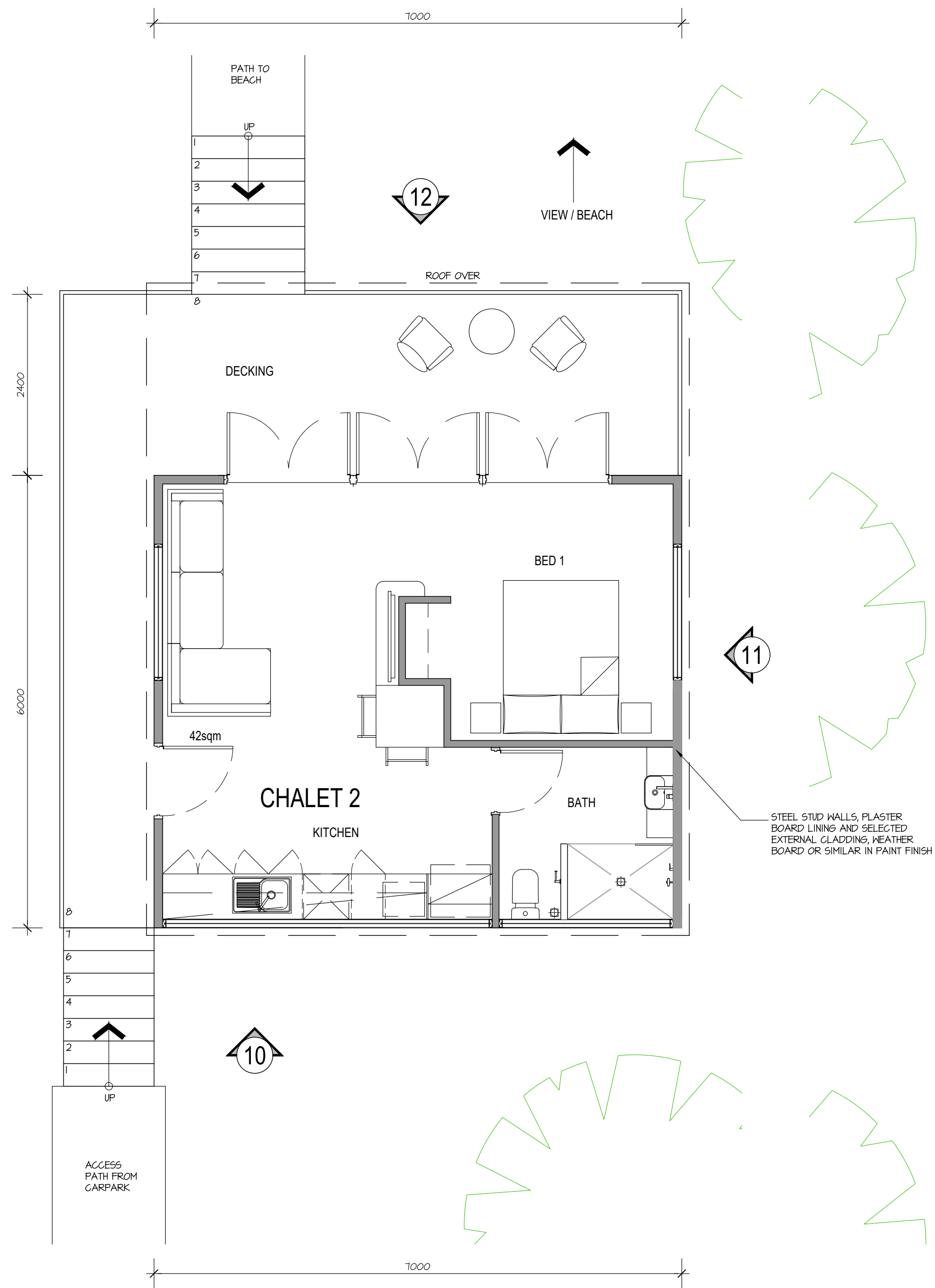
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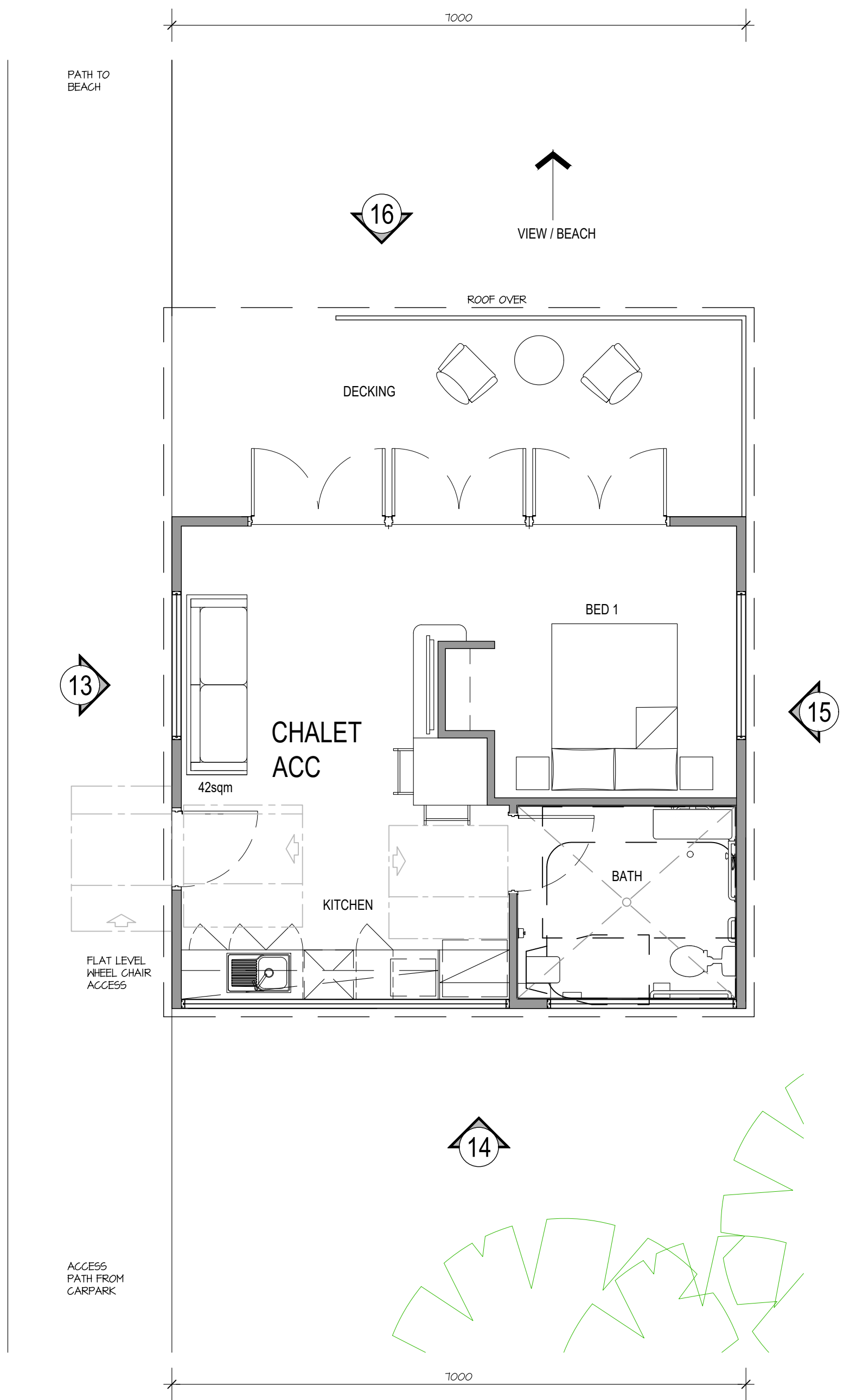
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Rev - **B**



CHALET FLOOR PLAN - 2 Bed
SCALE: 1:100



CHALET FLOOR PLAN - 1 Bed
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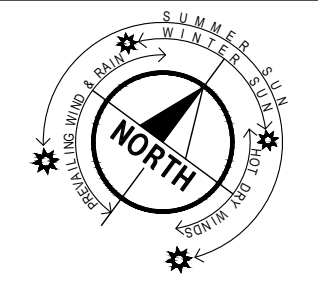


CHALET FLOOR PLAN - 1 Bed ACC
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PROPOSED FLOOR PLANS
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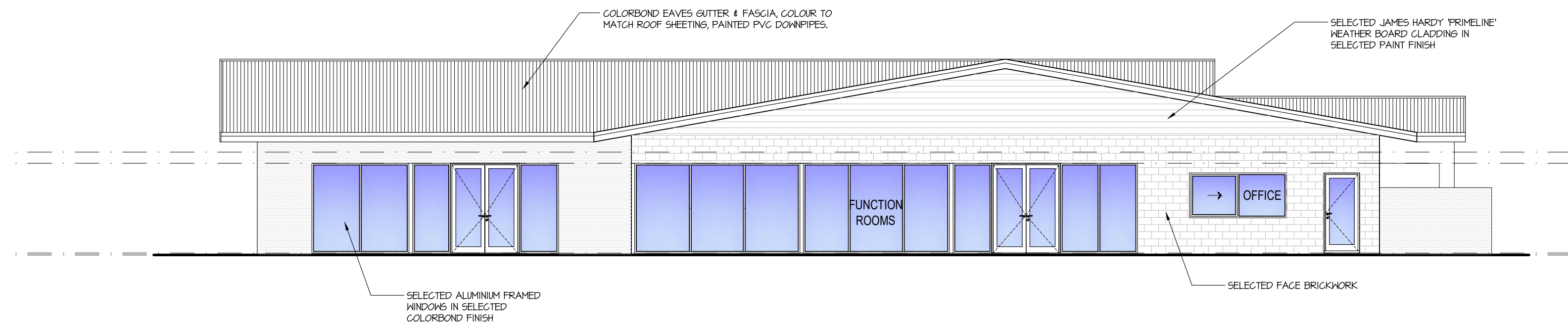
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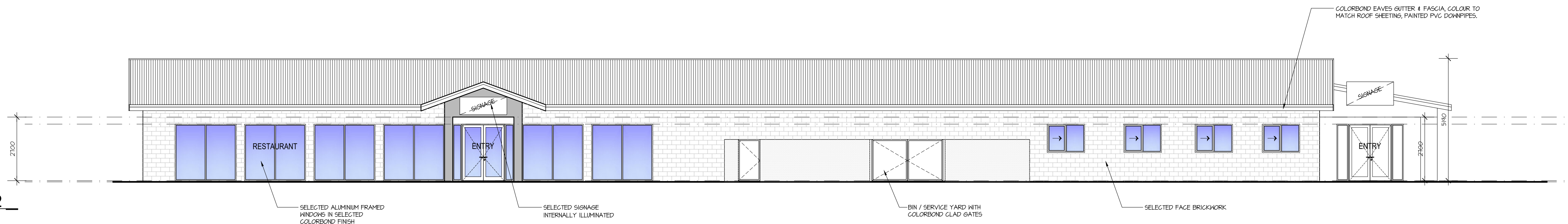
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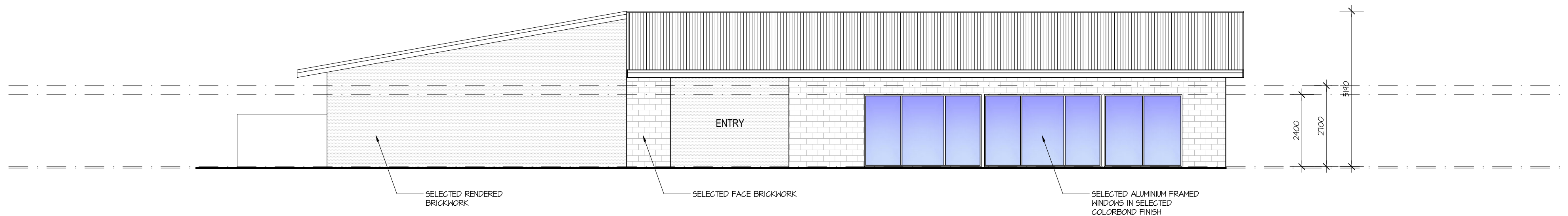
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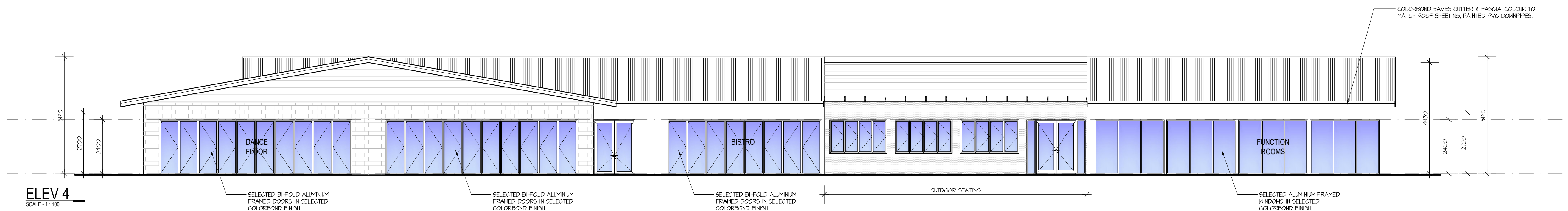
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ELEV 4
SCALE: 1:100



PROPOSED ELEVATIONS
SCALE: 1:100

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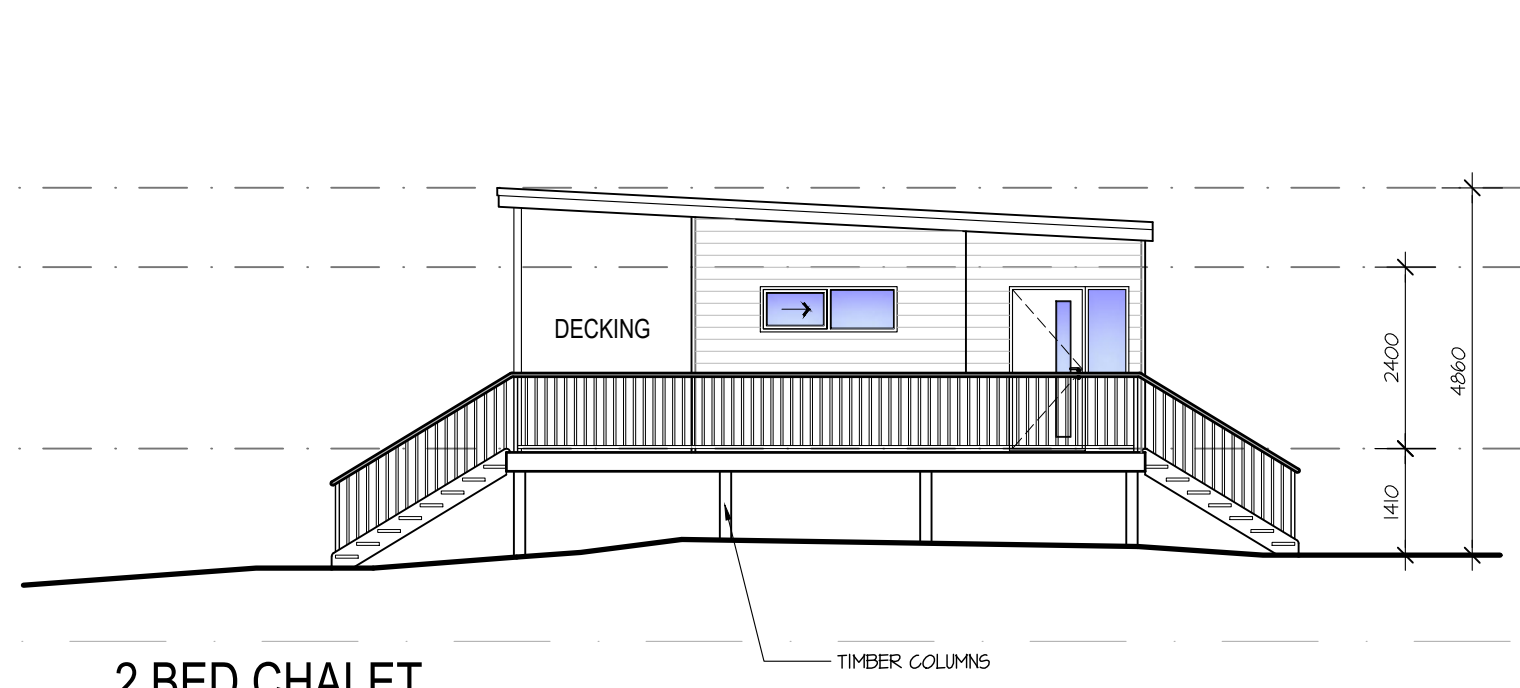


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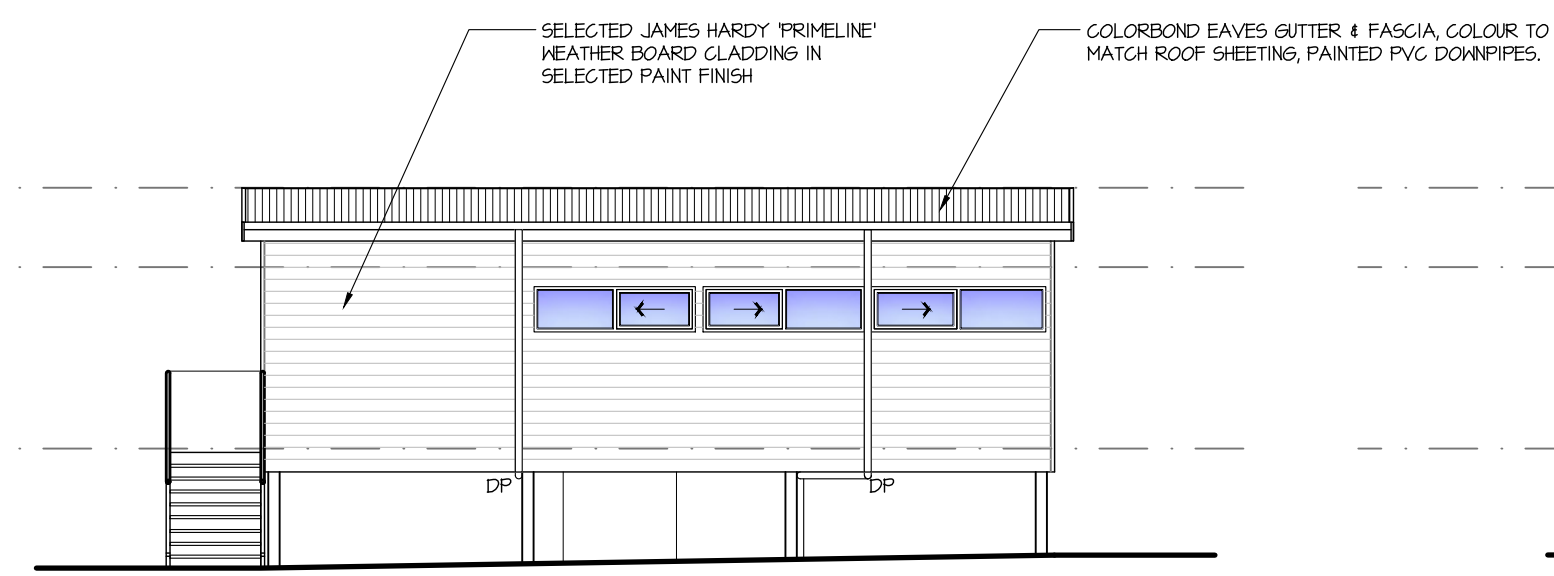
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FORREST BEACH
for C.M & D.J FORREST

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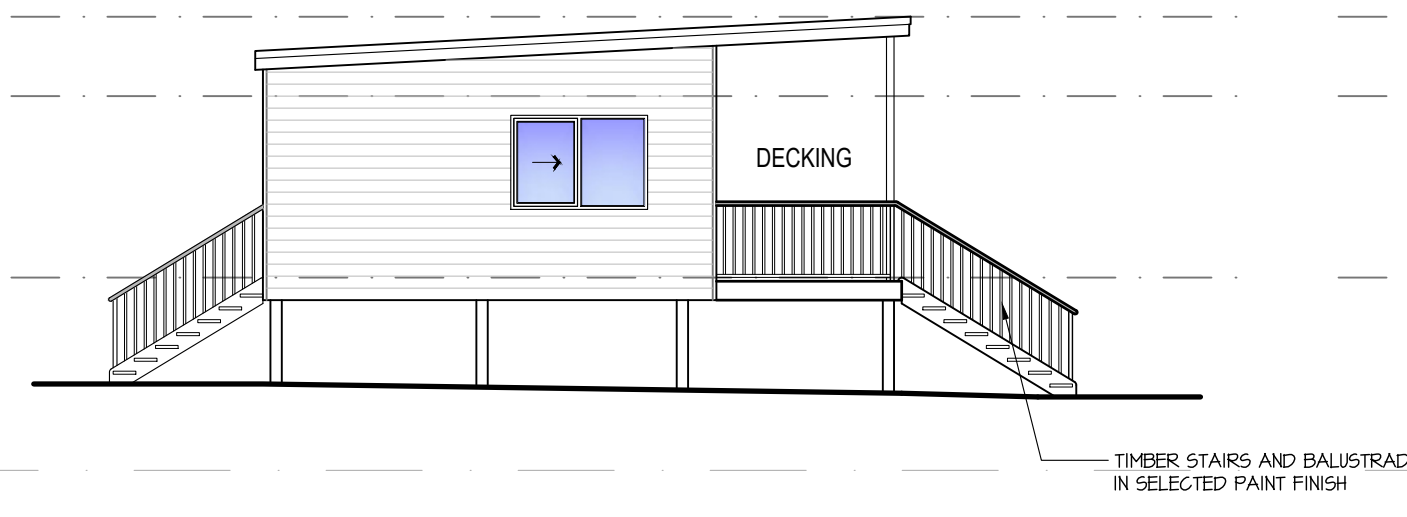


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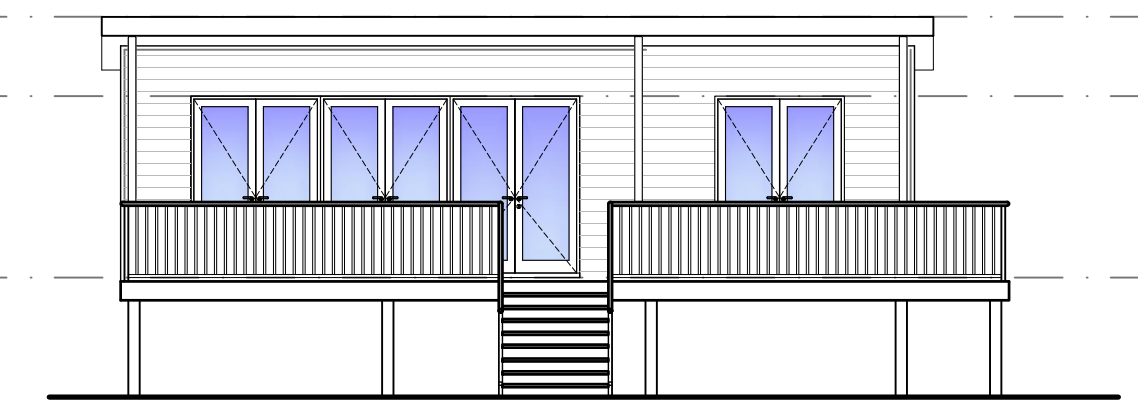
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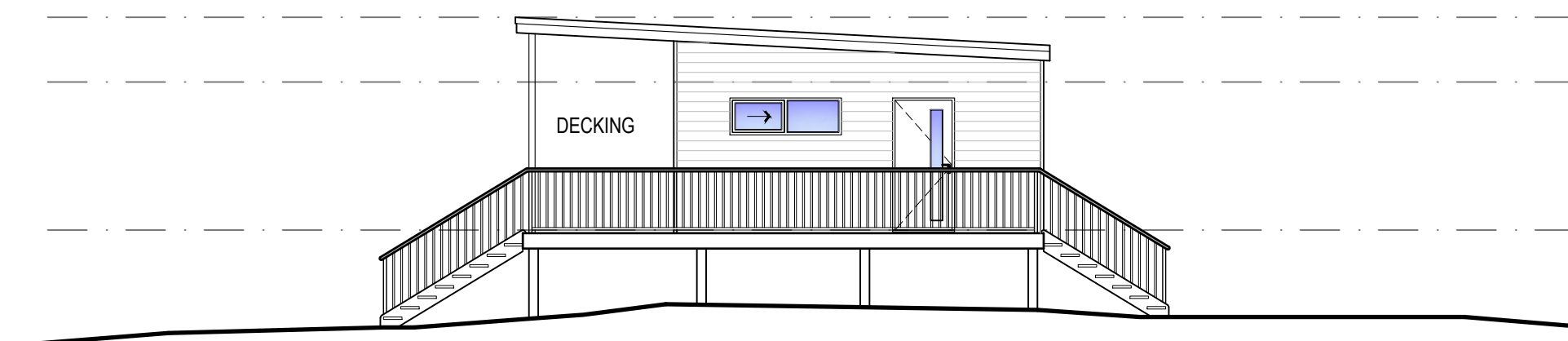
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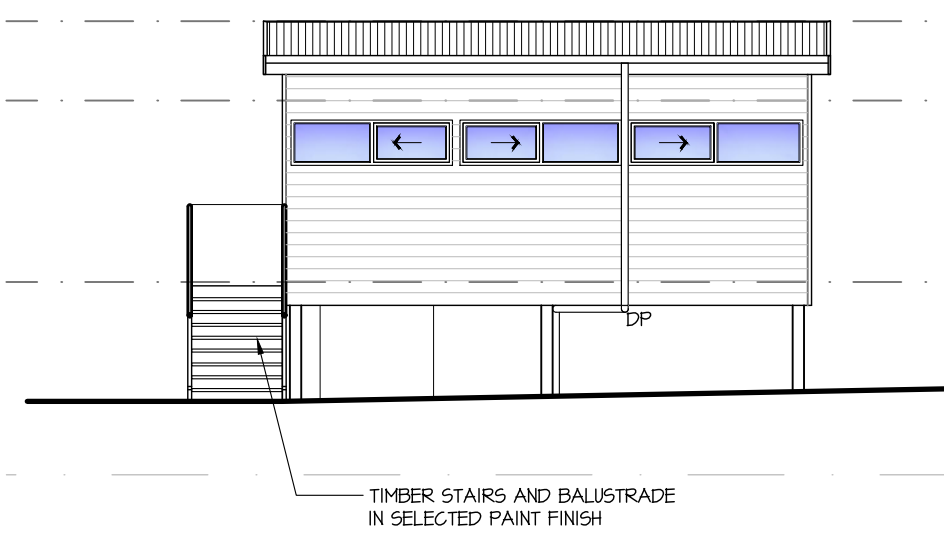


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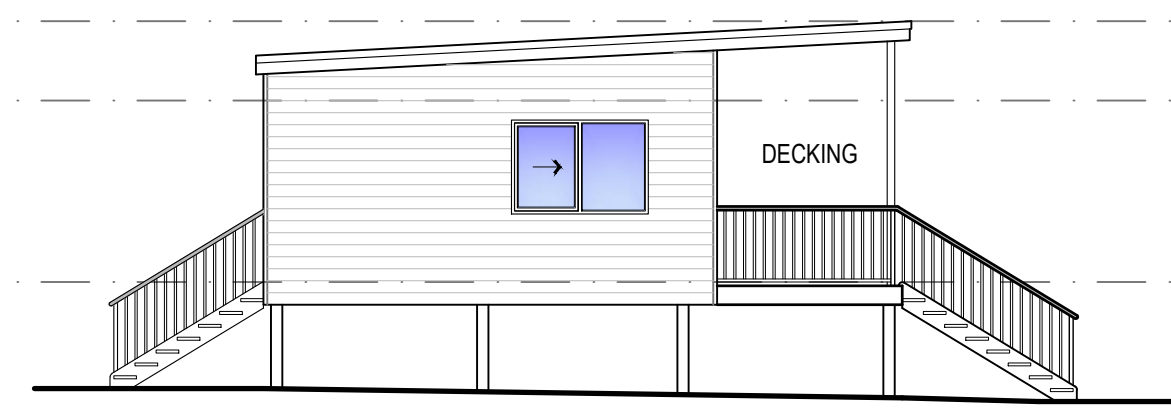


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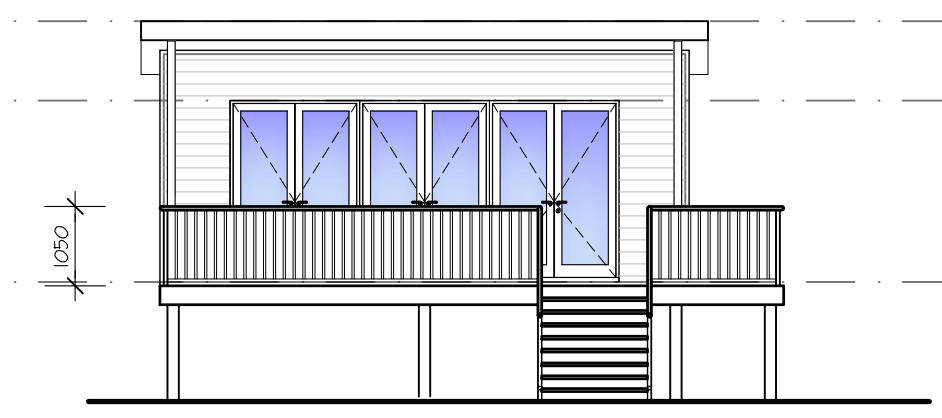
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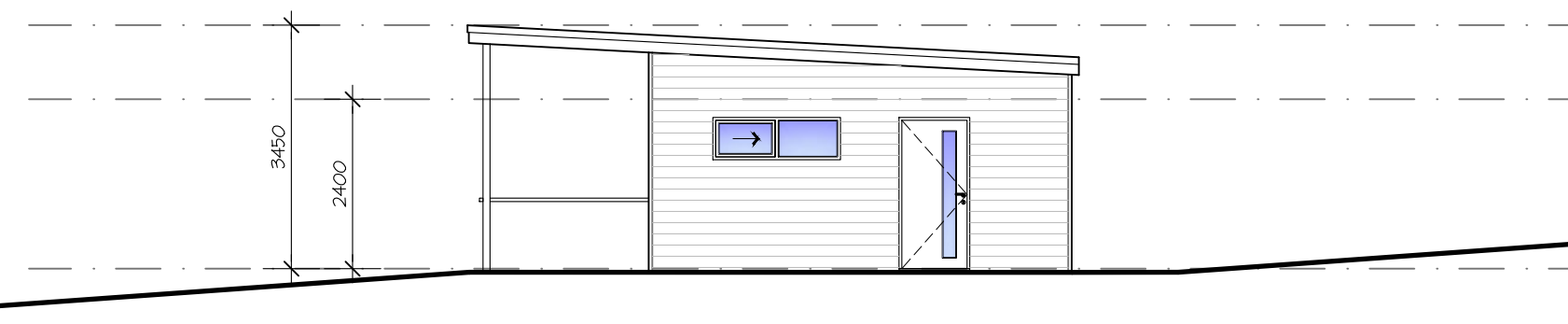
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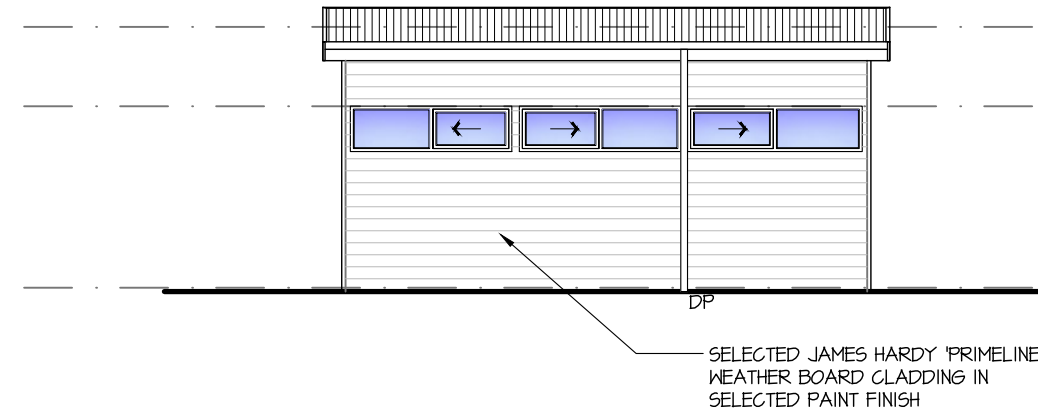


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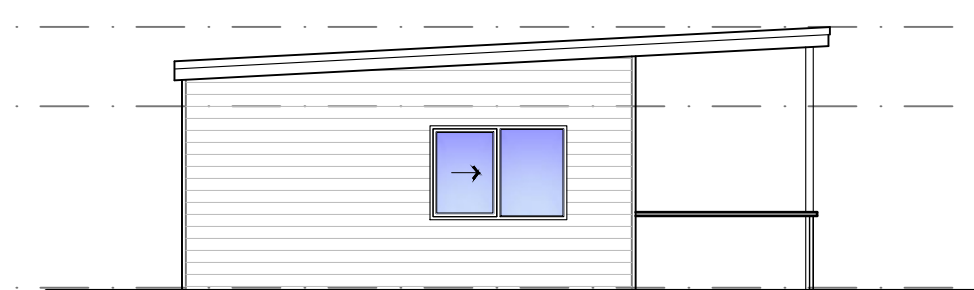


ACC CHALET

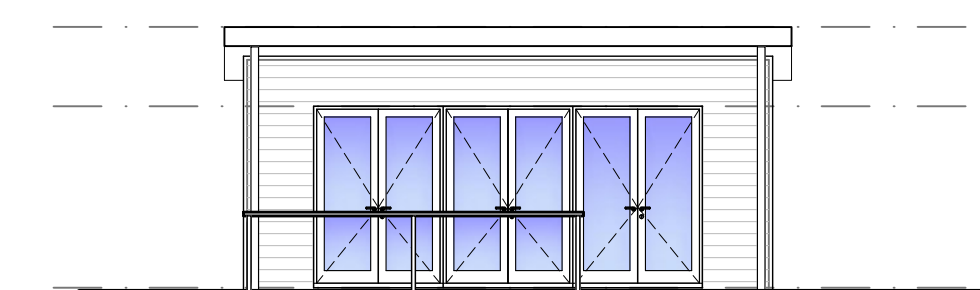
ELEV 13
SCALE - 1:100



ELEV 14
SCALE - 1:100



ELEV 15
SCALE - 1:100



ELEV 16
SCALE - 1:100

PROPOSED ELEVATIONS
SCALE - 1:100

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NO:	DATE:	REVISION:	DRAWN:	CHECK:
A	25.10.23	ISSUED FOR COMMENTS / REVIEW	IJ	-



HORLEY BUILDING DESIGN & DRAFTING
2 MARLOW WAY THORNIE WA 6108
MOBILE: 0422 845 668
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CONCEPT ISSUE
PRELIMINARY

PROPOSED GLAMPING FACILITY
LOT 806, FORREST BEACH ROAD
FORREST BEACH
for C.M & D.J FORREST

A1 SHEET
Date: 30.06.22
Design: IJ
Draw: IJ
Checked: IJ
Scale: AS SHOWN
Job No.: 0067
Dwg - **C05**
Rev - **A**

APPENDIX 3 – Bushfire Management Plan

Bushfire Management Plan Coversheet

This Coversheet and accompanying Bushfire Management Plan has been prepared and issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme.

Bushfire Management Plan and Site Details

Site Address / Plan Reference: Lot 10 on Plan 029261; Lot 806 on Plan 301595; & Lot 4292 on Plan 208716. Forrest Beach Road			
Suburb:	Forrest Beach	State: WA	P/code: 6271
Local government area:	Capel		
Description of the planning proposal:	Tourist development - chalets, camp sites and future function centre.		
BMP Plan / Reference Number:	220605	Version: A	Date of Issue: 17/02/2023
Client / Business Name:	CM & DJ Forrest		

Reason for referral to DFES	Yes	No
Has the BAL been calculated by a method other than method 1 as outlined in AS3959 (tick no if AS3959 method 1 has been used to calculate the BAL)?	<input type="checkbox"/>	<input type="checkbox"/>
Have any of the bushfire protection criteria elements been addressed through the use of a performance principle (tick no if only acceptable solutions have been used to address all of the BPC elements)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the proposal any of the following special development types (see SPP 3.7 for definitions)?		
Unavoidable development (in BAL-40 or BAL-FZ)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Strategic planning proposal (including rezoning applications)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Minor development (in BAL-40 or BAL-FZ)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
High risk land-use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vulnerable land-use	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If the development is a special development type as listed above, explain why the proposal is considered to be one of the above listed classifications (E.g. considered vulnerable land-use as the development is for accommodation of the elderly, etc.)?

Tourist development.

Note: The decision maker (e.g. local government or the WAPC) should only refer the proposal to DFES for comment if one (or more) of the above answers are ticked "Yes".

BPAD Accredited Practitioner Details and Declaration

Name Jeremy Durston	Accreditation Level Level 3	Accreditation No. BPAD-36525	Accreditation Expiry 30/04/2024
Company Bushfire West Pty Ltd		Contact No. 0403328835	

I declare that the information provided within this bushfire management plan is to the best of my knowledge true and correct

Signature of Practitioner



Date 17/02/23



BushfireWest

Bushfire Management Plan

Development Application:

Tourist Development

Lots 10, 806 & 4292 Forrest Beach Road, Forrest Beach



**BRONZE
MEMBER**
Fire Protection
Association Australia

Ref: 220605
Version: A
Feb 2023

REPORT DETAILS

Subject Land

Land ID	Lot 10 on Plan 029261; Lot 806 on Plan 301595; & Lot 4292 on Plan 208716.
Address	Forest Beach Road, Forrest Beach 6271
Zoning	Rural
Local Government	Capel
Proposal description	Tourist Development: - Short-Stay Accommodation Chalets x24; - Beach Camp Sites (removable tents) x24; - Carpark & Future Function Centre.
Site assessment date	24 Jun 2022

Document Reference

ref.220605	Date	Purpose
A	17 Feb 2023	Consultation / development application.

Author

Practitioner	Accreditation Level	Accreditation No.
Jeremy Durston	Level 3	BPAD-36525

Report Limitations

Bushfire and weather conditions can be extremely dangerous and unpredictable. The management of bushfire risk will depend on, among other things, the actions of property owners and/or occupiers over which the author has no control.

All surveys, forecasts, projections and recommendations made in this report are made in good faith on the basis of information available at the time. All maps included herein are indicative in nature and are not to be used for accurate calculations.

Notwithstanding anything contained therein, the author will not, except as the law may require, be liable for any loss or other consequences arising out of the services provided.

Jeremy Durston
jeremy@Bushfire West.com.au
Bushfire West Pty Ltd



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- Appendix 4 – Vegetation Assessment

1. Proposal Details

Background & Purpose of Report

This Bushfire Management Plan (BMP) is for the proposed tourist development of Lots 10, 806 & 4292 Forrest Beach Road, Forrest Beach. The BMP assesses the proposal against *State Planning Policy 3.7 Planning in Bushfire Prone Areas (SPP 3.7)* and the associated *Guidelines for Planning in Bushfire Prone Areas v1.4* (the Guidelines).

The primary purpose of this report is to provide the required bushfire planning information to inform the assessment process for the development. The bushfire protection measures required to manage the bushfire risk are specified in accordance with the Guidelines.

Subject Site & Existing Conditions

The subject land (Figure 1) is on Forrest Beach Road adjacent to the coast at a location approximately 10km to the west of the Capel townsite. The subject land comprises areas of remnant, native vegetation and agricultural land that form part of a larger rural holding. The areas of remnant, native vegetation within the site and the wider locality result in the subject land being within a bushfire prone area, as designated by the *Western Australia State Map of Bush Fire Prone Areas*.

The site is bounded by the coastline to the west and otherwise generally by rural land. Forrest Beach Road bisects Lot 806 and provides frontage to each of the subject land parcels. Forrest Beach Road provides multiple access alternatives through to Bussell Hwy.

No reticulated water supply is available to the site.

Proposal Description

The proposed development [Figure 2] is for Short-Stay Accommodation Chalets [x24], Beach Camp Sites for removable tents [x24], a Carpark and Future Function Centre. The proposal also incorporates access paths and beachside storage sheds.



Location Map		Size: A4 Scale: 1:33,333	
	Cadastre		Bush Fire Prone Areas
	Subject land		
		Jeremy Durston BPAD: 36525, Level 3 Bushfire West Pty Ltd	

Figure 1: Site Location

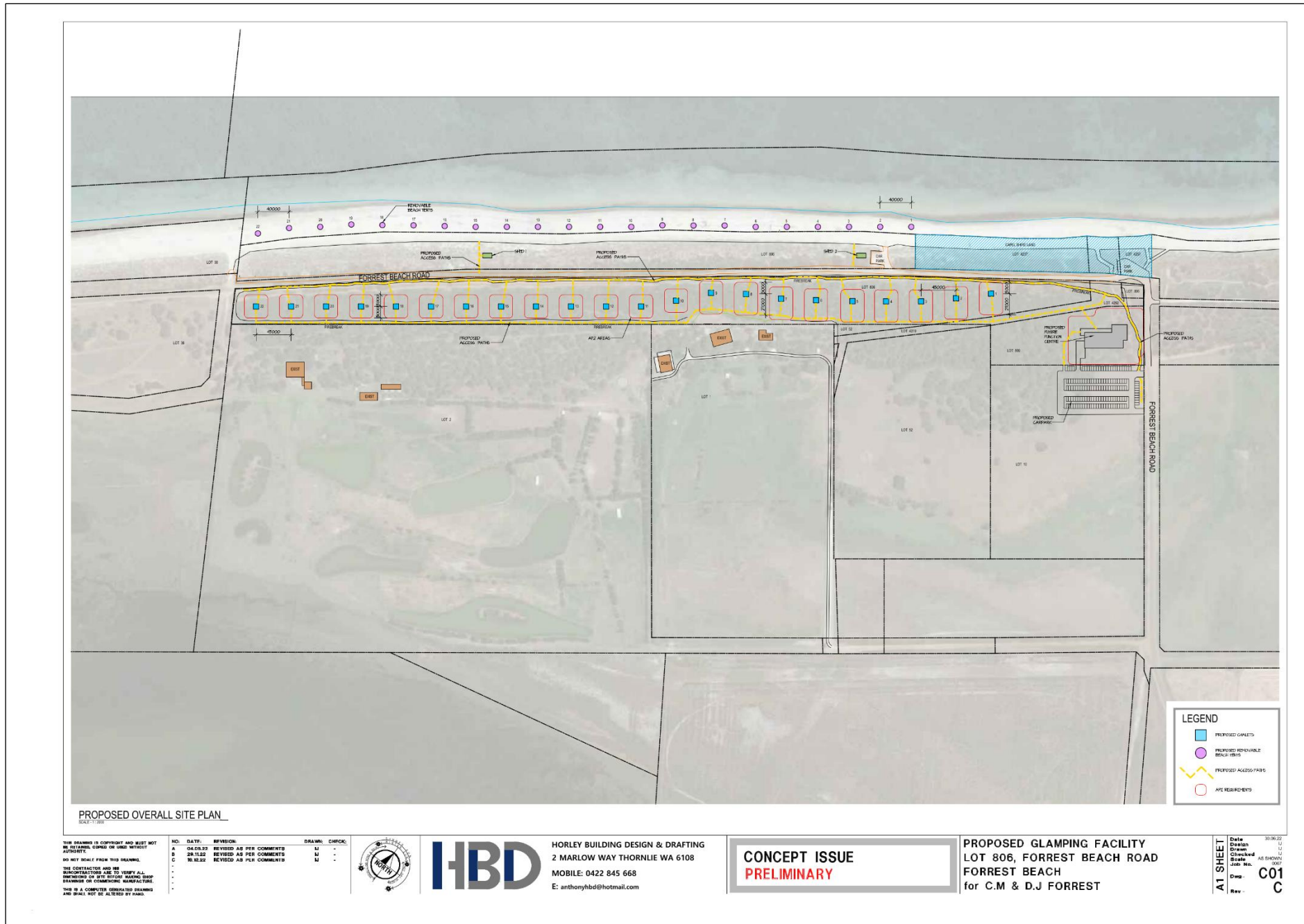


Figure 2: Development Site Plan

2. Vegetation Management & Landscaping

Vegetation Modification and Management

The vegetation around the Chalets and Future Function Centre will require modification and maintenance, to the extents detailed within this report, as Asset Protection Zones to achieve acceptable BAL ratings. All necessary approvals must be applied for and granted by the relevant authority prior to clearing or modification of native vegetation.

Landscape Management Plan

A Landscape Management Plan should be provided for the site with particular regard to the vegetation around the Chalets and Future Function Centre required to be modified and maintained in accordance with Schedule 1: Standards for Asset Protection Zones from the Guidelines, as detailed further within this report.

Schedule 1: Standards for Asset Protection Zones from the Guidelines is included in Appendix 1.

3. Bushfire Assessment Inputs

Effective Slope

Effective slopes were assessed in accordance with AS3959-2018 *Construction of buildings in bushfire prone areas (AS3959)*. Slope data was measured on site and cross referenced with Landgate elevation data. The effective slopes beneath applicable vegetation areas are recorded in Table 1.

Bushfire Fuels

The location and extent of classified vegetation structures within 150 metres of the site, including low-threat exclusions, were assessed in accordance with AS3959 and are mapped in Figures 3, 4 & 5. The areas of classified vegetation and exclusions are detailed in Appendix 4 and summarised below.

Table 1 Areas of classified vegetation and exclusions, post-development:

Assessment Area	Vegetation Classification	Effective Slope
1	Class C Shrubland	3 deg or less
2	Class D Scrub	3 deg or less
3	Class D Scrub	Upslope
4	Class D Scrub	Upslope
5	Class D Scrub	4 deg or less
6	Class A Forest	4 deg or less
7	Class A Forest	Upslope
8	Class A Forest	4 deg or less
9	Class A Forest	5 deg or less
10	Class A Forest	Upslope
11	Class G Grassland	1 deg or less
12	Class G Grassland	3 deg or less
13	Class G Grassland	Upslope
14	Excluded 2.2.3.2(e) non-vegetated road surface	n/a
15	To be modified as low-threat Asset Protection Zones	n/a
16	To be modified as low-threat Asset Protection Zones	n/a
17	To be modified as low-threat Asset Protection Zone	n/a

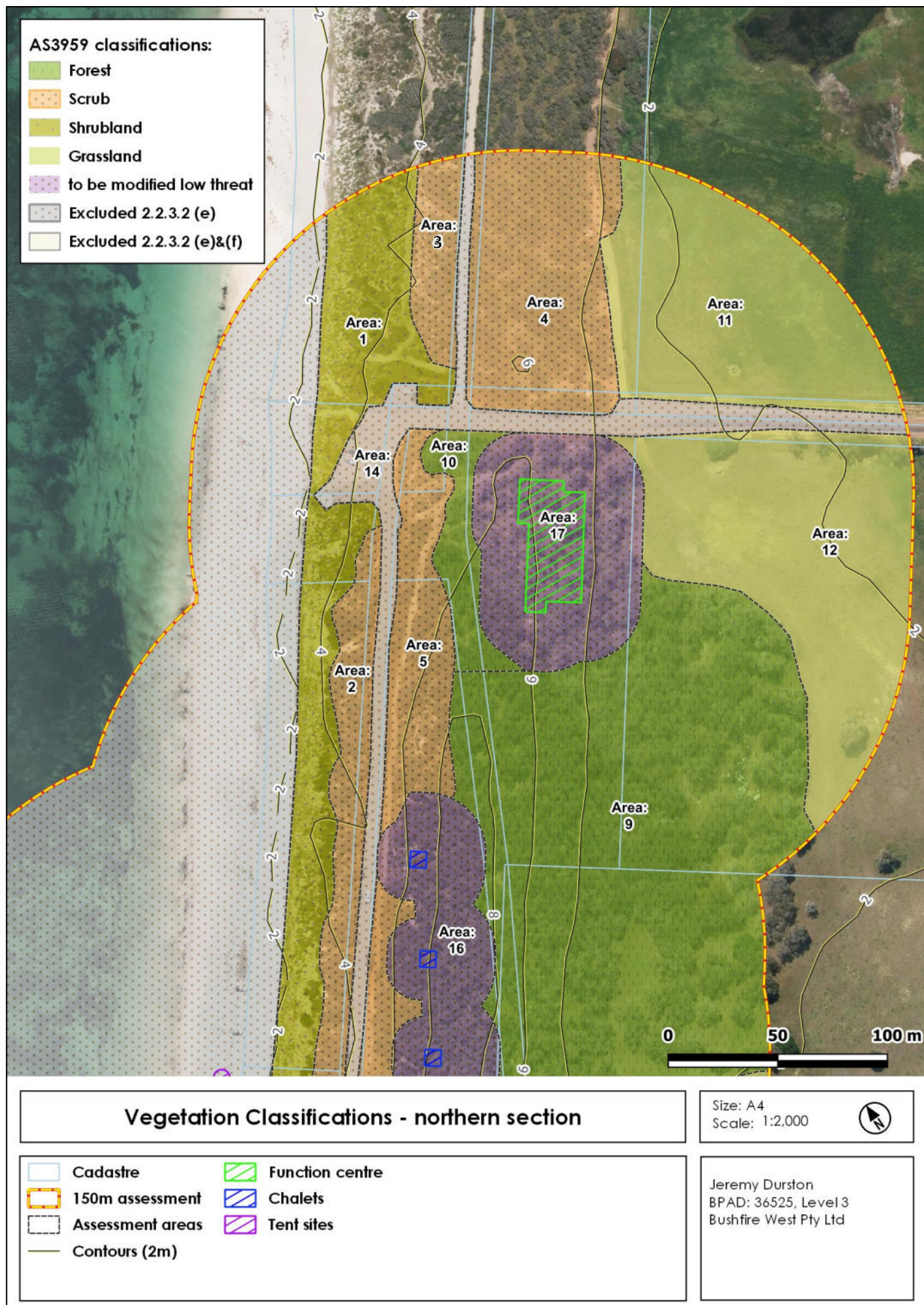


Figure 3: Vegetation Classifications – northern section



Figure 4: Vegetation Classifications – central section



Figure 5: Vegetation Classifications – southern section

4. Bushfire Assessment Outputs

Potential Bushfire Impact

The potential, post-development radiant heat impacts to the site in accordance with AS3959-2018 (Method 1) are summarised as follows:

Table 2: BAL rating variables (AS3959 Method 1)

Vegetation Classification	Slope	BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
Class A Forest	>0 to 5 deg	<20m	20 to<27m	27 to<37m	37 to<50m	50 to<100m
Class A Forest	Flat/upslope	<16m	16 to<21m	21 to<31m	31 to<42m	42 to<100m
Class C Shrubland	>0 to 5 deg	<7m	7 to<10m	10 to<15m	15 to<22m	22 to<100m
Class C Shrubland	Flat/upslope	<7m	7 to<9m	9 to<13m	13 to<19m	19 to<100m
Class D Scrub	>0 to 5 deg	<11m	11 to<15m	15 to<22m	22 to<31m	31 to<100m
Class D Scrub	Flat/upslope	<10m	10 to<13m	13 to<19m	19 to<27m	27 to<100m
Class G Grassland	>0 to 5 deg	<7m	7 to<9m	9 to<14m	14 to<20m	20 to<50m
Class G Grassland	Flat/upslope	<6m	6 to<8m	8 to<12m	12 to<17m	17 to<50m

BAL Contour Mapping

BAL Contour Mapping (Figures 6, 7 & 8) has been prepared in accordance with the Guidelines to determine the post-development BAL ratings across the site. The resulting BAL ratings for the proposed development components, including the necessary APZ extents, are summarised as follows:

Table 3: Post-development BAL ratings with APZs (AS3959 Method 1)

Development Component	Required APZ	BAL Ratings
Chalets 1 to 7	27m from S-E elevations, otherwise 15m	BAL-29
Chalets 9 to 22	15m from all elevations	BAL-29
Beach Camp Sites 1 & 2	n/a #	BAL-19
Beach Camp Sites 3 to 22	n/a #	BAL-29
Storage Sheds	n/a: exempt, non-habitable	exempt
Future Function Centre	21m from all elevations	BAL-29

the camp sites are situated on non-vegetated beach sand, with sufficient hazard separation to achieve acceptable BAL ratings without Asset Protection Zones.

5. Bushfire Hazard Issues

The following hazard issues are identified:

- A range of bushfire hazards are determined from coastal vegetation types, remnant native forest and agricultural grasslands within the subject land and adjacent areas.
- The Chalets and Future Function Centre site require onsite Asset Protection Zones to achieve acceptable BAL ratings for development. All proposed Beach Camp Sites are located on non-vegetated beach sand and achieve acceptable BAL ratings without Asset Protection Zones.
- Forrest Beach Road provides multiple vehicle access alternatives and appropriate destinations.
- Compliant vehicle access is required for the Carpark & Future Function Centre. Other elements of the proposal are within a 70m hose-lay distance for direct firefighting access from Forrest Beach Rd.
- No reticulated water supply is available to the site. An onsite firefighting water supply is required.

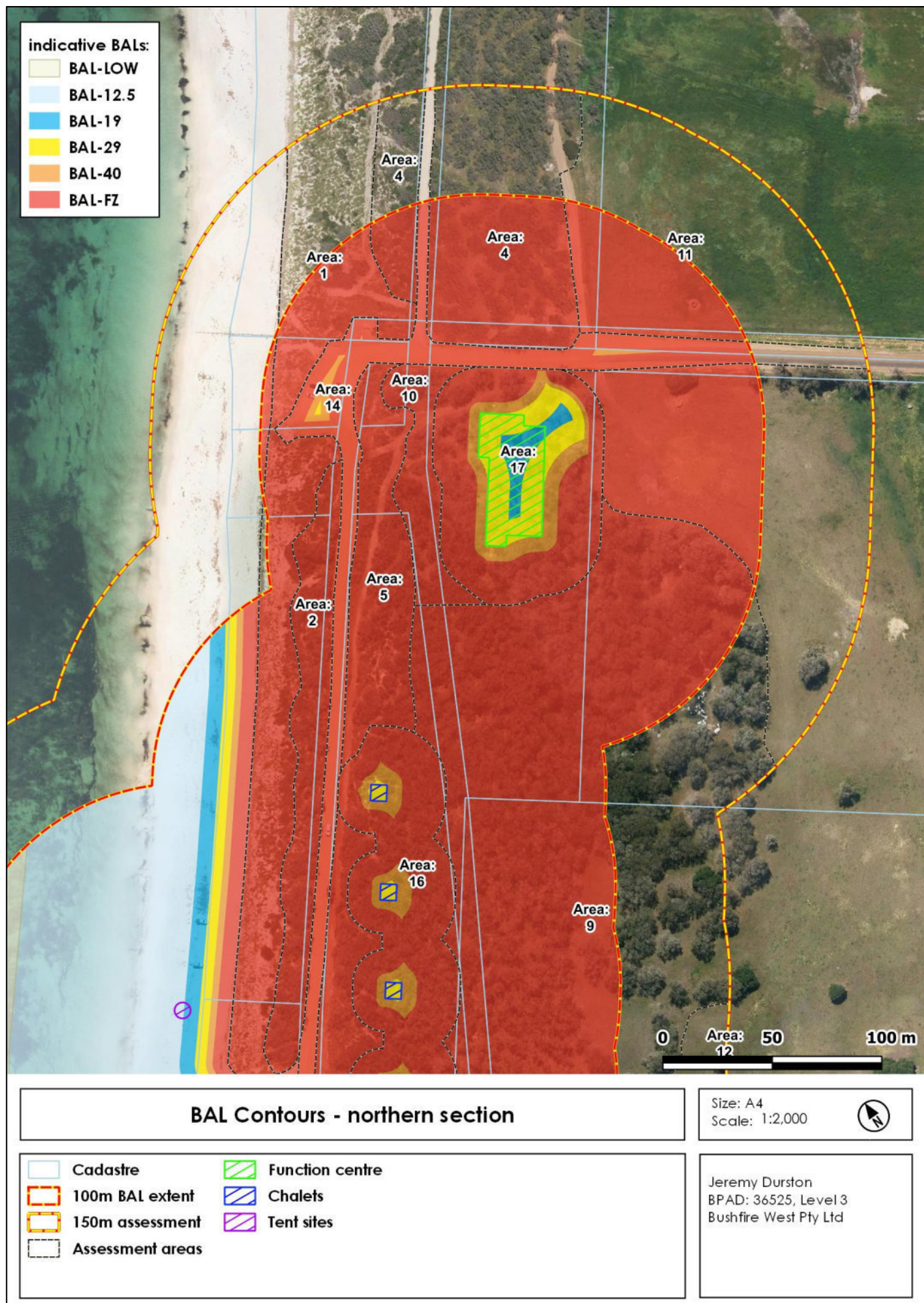


Figure 6: BAL Contour Map – northern section

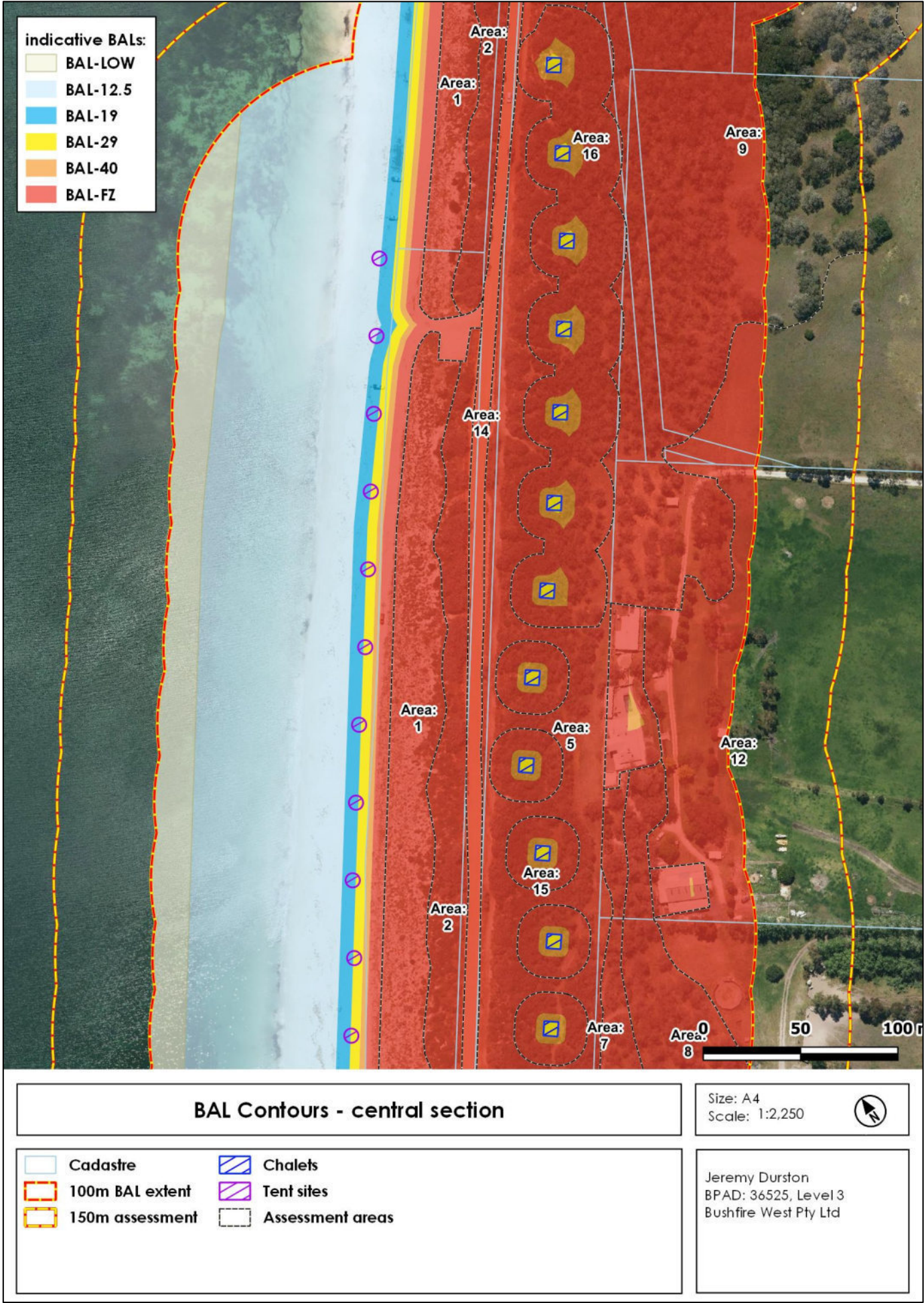


Figure 7: BAL Contour Map – central section



Figure 8: BAL Contour Map – southern section

6. Assessment against the Bushfire Protection Criteria

Following is an assessment against the relevant bushfire protection criteria for tourism, as detailed in Appendix 4 of the *Guidelines for Planning in Bushfire Prone Areas Version 1.4* (the Guidelines).

Table 4: Assessment against the bushfire protection criteria from the Guidelines

Element	Acceptable Solution (A)	Compliance	Notes
P5vii Siting & Design	A5.7 Siting & Design	Yes	<p>To Comply:</p> <p>Asset Protection Zones are required for all Chalets and the Future Function Centre to achieve and maintain acceptable BAL ratings no higher than BAL-29.</p> <p>Asset Protection Zones are to comply with the Guidelines 'Schedule 1: Standards for Asset Protection Zones'.</p> <p>A Landscape Management Plan is required for the site, incorporating the required Asset Protection Zones.</p> <p>The Beach Camp Sites are to be sited on non-vegetated beach sand with minimum 9m separation from hazard vegetation.</p>
P5viii Vehicular Access	A5.8.1 Internal Access	Yes	<p>To Comply:</p> <p>The driveway to the Carpark [and Future Function Centre] will incorporate two access/egress points to Forrest Beach Road, and is to be installed and maintained in accordance with the Guidelines Table 6, Column 4.</p> <p>The circular driveway design is to provide turnaround capability for firefighting appliances, and access to onsite firefighting water.</p> <p>Signage is to be provided within the site showing evacuation routes, travel distances and what to do in a bushfire emergency.</p>
	A5.8.2 Road Access	Yes	<p>Complies.</p> <p>Forrest Beach Road is a through-road providing multiple connections through to Bussel Hwy, which provides a range of suitable destinations.</p> <p>Forrest Beach Road complies with the Guidelines Table 6, Column 1.</p>
P5ix Water Supply	A5.9 Provision of Water	Yes	<p>To Comply:</p> <p>Dedicated water tank(s) with 10,000L per habitable building reserved for firefighting [i.e. 230,000L in total for the Chalets and Future Function Centre] required in accordance with the Guidelines.</p>

7. Spatial Representation of Bushfire Protection Measures

The required bushfire protection measures are depicted below.

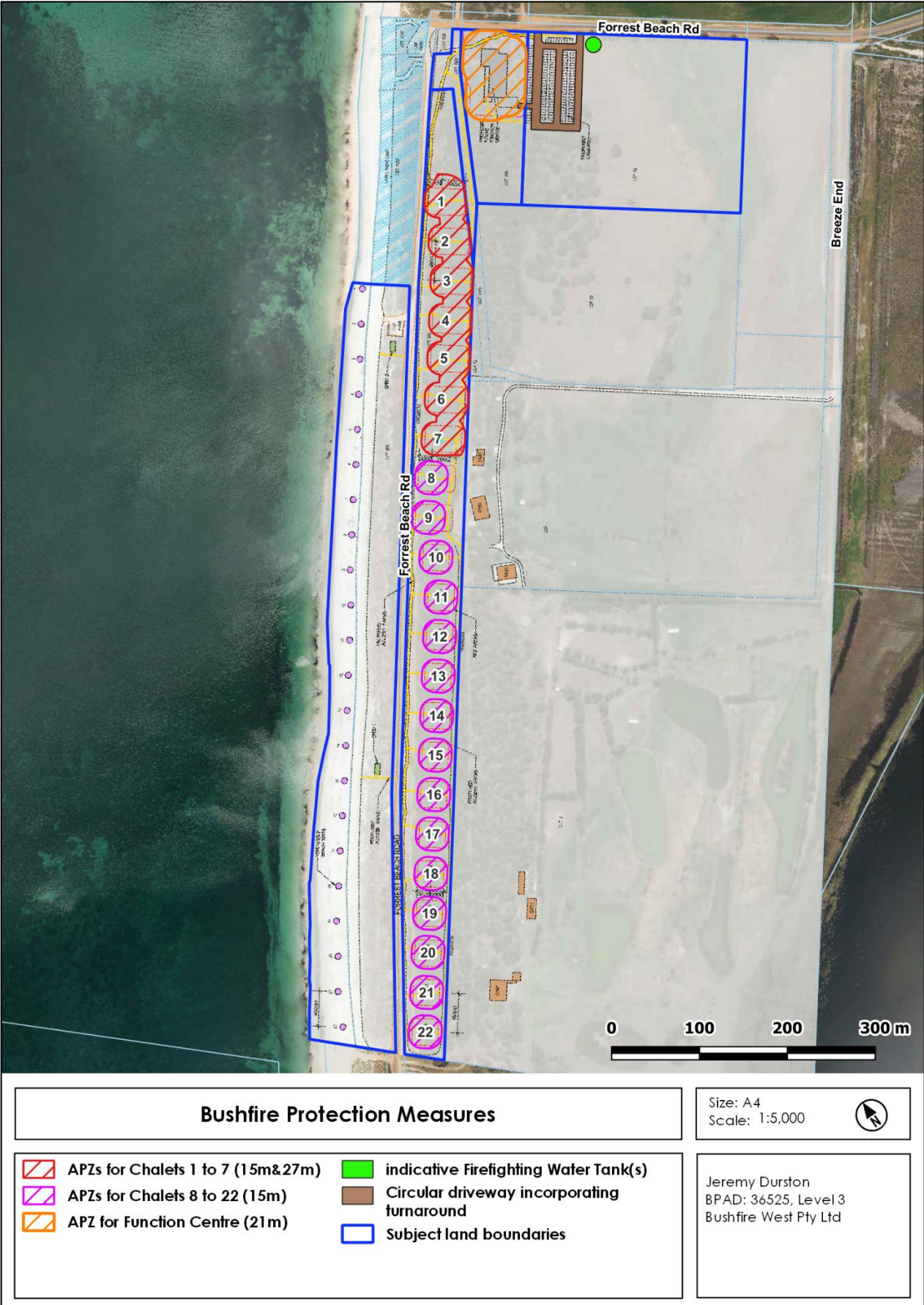


Figure 9: Bushfire Protection Measures

8. Vulnerable Land Use

The proposal is for a vulnerable land use under SPP3.7 and a Bushfire Emergency Evacuation Plan is required. With consideration to the Guidelines Section 5.5.4 a separate Bushfire Emergency Evacuation Plan is to be prepared for the proposal and is required to be finalised and adopted by the proponent prior to opening of the venue, to the satisfaction of the Shire of Capel.

9. Local Government Fire Control

The Shire of Capel Bushfire Mitigation Notice, issued under Section 33 of the Bush Fires Act 1954, mandates a range of seasonal bushfire protection measures. Compliance is required with all applicable measures of the Bushfire Mitigation Notice in addition to the measures detailed within this Bushfire Management Plan.

10. Implementation and Management

The responsibilities for implementing and maintaining the required bushfire protection measures as follows:

Table 5: Implementation & Management Schedule

	Landowner responsibilities
1	Prior to occupation of any habitable building, install and maintain the required Asset Protection Zone as depicted within this Bushfire Management Plan, to achieve ratings no higher than BAL-29 in accordance with Schedule 1: Standards for Asset Protection Zones from the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 1.
2	Prepare and adopt a Landscape Management Plan for the site, incorporating the required Asset Protection Zones, to the satisfaction of the Shire of Capel.
3	Ensure the Beach Camp Sites are sited with a minimum 9m separation from beach-side, bushfire hazard vegetation.
4	Install and maintain the driveway to the Carpark and Function Centre site, including two access points to Forrest Beach Road and turnaround capability for firefighting appliances, in accordance with the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 2.
5	Install and maintain dedicated firefighting water tank(s) with total capacity of 10,000 L per habitable building [i.e. 10,000 L for each Chalet and the Function Centre] to the standards of the Guidelines for Planning in Bushfire Prone Areas, included in Appendix 3, incorporating: non-combustible construction with approved fittings and the outlet located within 4m of an unobstructed, hardened ground surface.
6	Install and maintain signage showing evacuation routes, travel distances and what to do in a bushfire emergency.
7	Prepare and adopt a Bushfire Emergency Evacuation Plan, with consideration to Section 5.5.4 of the Guidelines for Planning in Bushfire Prone Areas, to the satisfaction of the Shire of Capel.
8	Comply with all required measures prescribed by the Shire of Capel annual Bushfire Mitigation Notice.

11. Conclusion

In the author's professional opinion, the proposed development demonstrates compliance with the *Guidelines for Planning in bushfire Prone Areas* subject to the measures detailed within this Bushfire Management Plan. The proposal is thus acceptable under State Planning Policy 3.7.

Appendix 1

Asset Protection Zone Standards

*source: Department of Planning, Lands & Heritage,
Guidelines for Planning in Bushfire Prone Areas version 1.4*



ELEMENT 2: SITING AND DESIGN OF DEVELOPMENT

SCHEDULE 1: STANDARDS FOR ASSET PROTECTION ZONES

OBJECT	REQUIREMENT
Fences within the APZ	<ul style="list-style-type: none"> Should be constructed from non-combustible materials (for example, iron, brick, limestone, metal post and wire, or bushfire-resisting timber referenced in Appendix F of AS 3959).
Fine fuel load (Combustible, dead vegetation matter <6 millimetres in thickness)	<ul style="list-style-type: none"> Should be managed and removed on a regular basis to maintain a low threat state. Should be maintained at <2 tonnes per hectare (on average). Mulches should be non-combustible such as stone, gravel or crushed mineral earth or wood mulch >6 millimetres in thickness.
Trees* (>6 metres in height)	<ul style="list-style-type: none"> Trunks at maturity should be a minimum distance of six metres from all elevations of the building. Branches at maturity should not touch or overhang a building or powerline. Lower branches and loose bark should be removed to a height of two metres above the ground and/or surface vegetation. Canopy cover within the APZ should be <15 per cent of the total APZ area. Tree canopies at maturity should be at least five metres apart to avoid forming a continuous canopy. Stands of existing mature trees with interlocking canopies may be treated as an individual canopy provided that the total canopy cover within the APZ will not exceed 15 per cent and are not connected to the tree canopy outside the APZ.
<p>Figure 19: Tree canopy cover – ranging from 15 to 70 per cent at maturity</p>	
Shrub* and scrub* (0.5 metres to six metres in height). Shrub and scrub >6 metres in height are to be treated as trees.	<ul style="list-style-type: none"> Should not be located under trees or within three metres of buildings. Should not be planted in clumps >5 square metres in area. Clumps should be separated from each other and any exposed window or door by at least 10 metres.
Ground covers* (<0.5 metres in height. Ground covers >0.5 metres in height are to be treated as shrubs)	<ul style="list-style-type: none"> Can be planted under trees but must be maintained to remove dead plant material, as prescribed in 'Fine fuel load' above. Can be located within two metres of a structure, but three metres from windows or doors if >100 millimetres in height.



ELEMENT 2: SITING AND DESIGN OF DEVELOPMENT

SCHEDULE 1: STANDARDS FOR ASSET PROTECTION ZONES

OBJECT	REQUIREMENT
Grass	<ul style="list-style-type: none"> • Grass should be maintained at a height of 100 millimetres or less, at all times. • Wherever possible, perennial grasses should be used and well-hydrated with regular application of wetting agents and efficient irrigation.
Defendable space	<ul style="list-style-type: none"> • Within three metres of each wall or supporting post of a habitable building, the area is kept free from vegetation, but can include ground covers, grass and non-combustible mulches as prescribed above.
LP Gas Cylinders	<ul style="list-style-type: none"> • Should be located on the side of a building furthest from the likely direction of a bushfire or on the side of a building where surrounding classified vegetation is upslope, at least one metre from vulnerable parts of a building. • The pressure relief valve should point away from the house. • No flammable material within six metres from the front of the valve. • Must sit on a firm, level and non-combustible base and be secured to a solid structure.

* Plant flammability, landscaping design and maintenance should be considered – refer to explanatory notes

Appendix 2

Internal Vehicle Access Standards

*source: Department of Planning, Lands & Heritage,
Guidelines for Planning in Bushfire Prone Areas version 1.4*



ELEMENT 3: VEHICULAR ACCESS

PERFORMANCE PRINCIPLE

P3iv

Vehicular access is provided which allows emergency service vehicles to directly access all habitable buildings and water supplies and exit the lot without entrapment.

ACCEPTABLE SOLUTIONS

A3.6 Private driveways

There are no private driveway technical requirements where the private driveway is:

- within a lot serviced by reticulated water;
- no greater than 70 metres in length between the most distant external part of the development site and the public road measured as a hose lay; and
- accessed by a public road where the road speed limit is not greater than 70 km/h.

In circumstances where all of the above conditions are not met, or the private driveway is in a non-reticulated water area, the private driveway is to meet all the following require:

- requirements in Table 6, Column 4;
- passing bays every 200 metres with a minimum length of 20 metres and a minimum additional trafficable width of two metres (i.e. the combined trafficable width of the passing bay and constructed private driveway to be a minimum six metres); and
- turn-around area as shown in Figure 28 and within 30 metres of the habitable building.

Table 6: Vehicular access technical requirements

TECHNICAL REQUIREMENTS	1 Public roads	2 Emergency access way ¹	3 Fire service access route ¹	4 Battle-axe and private driveways ²
Minimum trafficable surface (metres)	In accordance with A3.1	6	6	4
Minimum horizontal clearance (metres)	N/A	6	6	6
Minimum vertical clearance (metres)	4.5			
Minimum weight capacity (tonnes)	15			
Maximum grade unsealed road ³	As outlined in the IPWEA Subdivision Guidelines	1:10 (10%)		
Maximum grade sealed road ³		1:7 (14.3%)		
Maximum average grade sealed road		1:10 (10%)		
Minimum inner radius of road curves (metres)		8.5		

Notes:

¹ To have crossfalls between 3 and 6%.

² Where driveways and battle-axe legs are not required to comply with the widths in A3.5 or A3.6, they are to comply with the Residential Design Codes and Development Control Policy 2.2 Residential Subdivision.

³ Dips must have no more than a 1 in 8 (12.5% -7.1 degree) entry and exit angle.



EXPLANATORY NOTES

E3.6 Private driveways

In areas serviced by reticulated water, where the road speed limit is not greater than 70 km/h, and where the distance from the public road to the further part of the habitable building is no greater than 70 metres, emergency service vehicles typically operate from the street frontage.

In the event the habitable building cannot be reached by hose reel from the public road, then emergency service vehicles will need to gain access within the property. Emergency service vehicles will also need to gain access within the property, where access to reticulated water (fire hydrants) is not possible. In these situations, the driveway and battle-axe (if applicable) will need to be wide enough for access for an emergency service vehicle and a vehicle to evacuate.

Turnaround areas should be available for both conventional two-wheel drive vehicles of residents and Type 3.4 fire appliances. Turn-around areas should be located within 30 metres of habitable buildings. Circular and loop driveway design may also be considered.

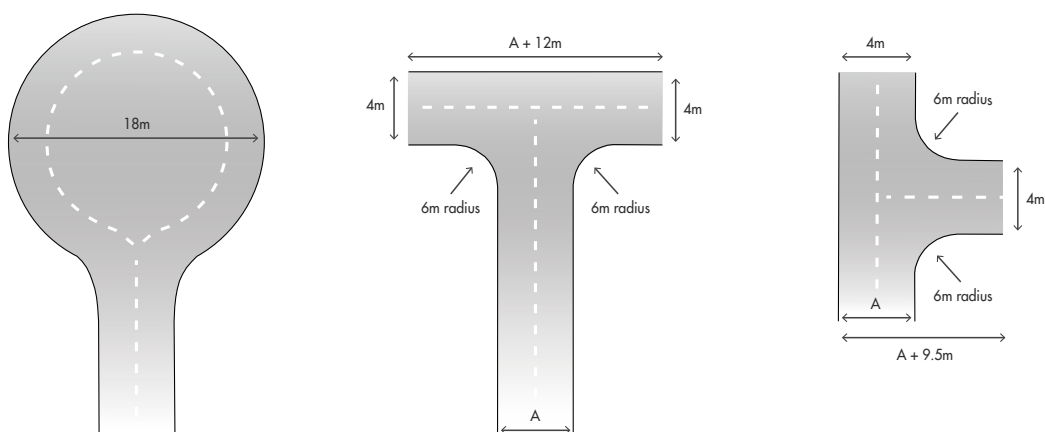
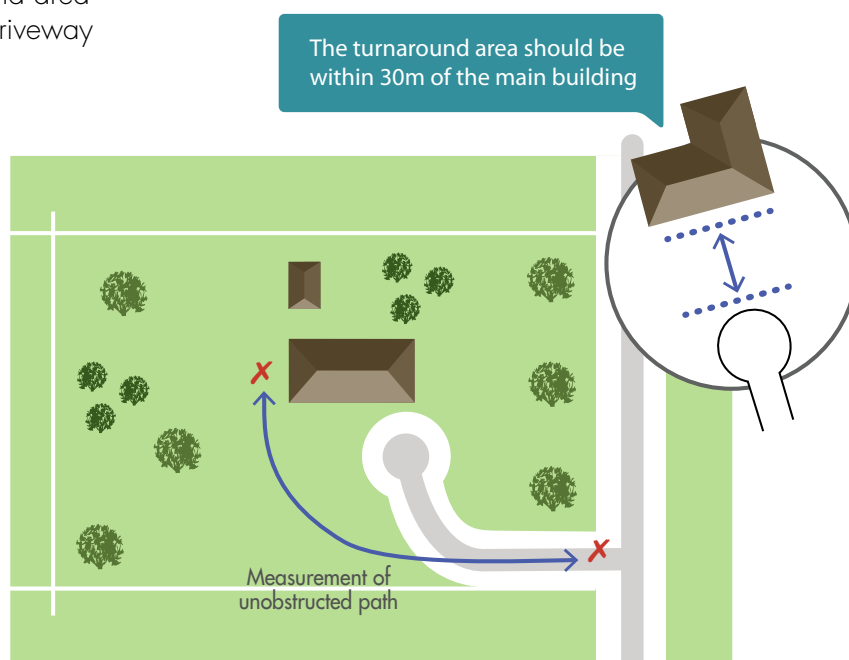


Figure 28: Design requirements for a turn-around area for a private driveway or battle-axe

Figure 29: Design requirements for a private driveway where required under A3.6



Appendix 3

Firefighting Water Standards

*source: Department of Planning, Lands & Heritage,
Guidelines for Planning in Bushfire Prone Areas version 1.4*



SCHEDULE 2: WATER SUPPLY DEDICATED FOR BUSHFIRE FIREFIGHTING PURPOSES

2.1 Water supply requirements

Water dedicated for firefighting should be provided in accordance with Table 7 below, and be in addition to water required for drinking purposes.

Table 7: Water supply dedicated for bushfire firefighting purposes

PLANNING APPLICATION	NON-RETICULATED AREAS
Development application	10,000L per habitable building
Structure Plan / Subdivision: Creation of 1 additional lot	10,000L per lot
Structure Plan / Subdivision: Creation of 3 to 24 lots	10,000L tank per lot or 50,000L strategic water tank
Structure Plan / Subdivision: Creation of 25 lots or more	50,000L per 25 lots or part thereof Provided as a strategic water tank(s) or 10,000L tank per lot

2.2 Technical requirements

2.2.1 Construction and design

An above-ground tank and associated stand should be constructed of non-combustible material. The tank may need to comply with AS/NZS 3500.1:2018.

Below ground tanks should have a 200mm diameter access hole to allow tankers or emergency service vehicles to refill direct from the tank, with the outlet location clearly marked at the surface. The tank may need to comply with AS/NZS 3500.1:2018. An inspection opening may double as the access hole provided that the inspection opening meets the requirements of AS/NZS 3500.1:2018. If the tank is required under the BCA as part of fire hydrant installation, then the tank will also need to comply with AS 2419.

Where an outlet for an emergency service vehicle is provided, then an unobstructed, hardened ground surface is to be supplied within four metres of any water supply.

2.2.2 Pipes and fittings

All above-ground, exposed water supply pipes and fittings should be metal. Fittings should be located away from the source of bushfire attack and be in accordance with the applicable section below, unless otherwise specified by the local government.

2.2.2.1 Fittings for above-ground water tanks:

- Commercial land uses: 125mm Storz fitting; or
- Strategic water tanks: 50mm or 100mm (where applicable and adapters are available) male camlock coupling with full flow valve; or
- Standalone water tanks: 50mm male camlock coupling with full flow valve; or
- Combined water tanks: 50mm male camlock coupling with full flow valve or a domestic fitting, being a standard household tap that enables an occupant to access the water supply with domestic hoses or buckets for extinguishing minor fires.

2.2.2.2 Remote outlets

In certain circumstances, it may be beneficial to have the outlet located away from the water supply. In such instances in which a remote outlet is to be used, the applicant should consult the local government and DFES on their proposal.

Appendix 4 – Vegetation Assessment



Figure 10: Photo Reference Map

Area 1

Classification	Class C Shrubland
Effective Slope	Upslope to 3 deg downslope
Notes	Low coastal shrubs on beach sands above tide line.



Photo ID: 1a



Photo ID: 1b

Area 1



Photo ID: 1c



Photo ID: 1d

Area 2

Classification

Class D Scrub

Effective Slope

Upslope to 3 deg downslope

Notes

Strip of roadside, coastal shrubs below 4m in height.



Photo ID: 2a



Photo ID: 2b

Area 2



Forrest Beach z 24/6/2022 217 deg(T) -33.57856° +115.45598°

Photo ID: 2c

Area 3 & 4

Classification	Class D Scrub
Effective Slope	Upslope
Notes	Coastal shrubs below 4m in height, either side of road.



Forrest Beach s 24/6/2022 86 deg(T) -33.57273° +115.46193°

Photo ID: 3&4a

Area 5

Classification

Class D Scrub

Effective Slope

Upslope to 4 deg downslope

Notes

Coastal shrubs below 4m in height on weather side of ridge.



Photo ID: 5a



Photo ID: 5b

Area 5



Photo ID: 5c



Photo ID: 5d



Photo ID: 5e

Area 5



Photo ID: 5f



Photo ID: 5g

Area 6

Classification

Class A Forest

Effective Slope

Upslope to 4 deg downslope

Notes

Area of deeper soil types on lee side of ridge, predominately trees and allowing for re-growth.



Photo ID: 6a



Photo ID: 6b

Area 7 & 8

Classification

Class A Forest

Effective Slope

Upslope to 4 deg downslope

Notes

Areas of deeper soil types, predominately trees.



Photo ID: 7&8a



Photo ID: 7&8b



Photo ID: 7&8c

Area 9

Classification

Class A Forest

Effective Slope

Upslope to 5 deg downslope

Notes

Area of deeper soil types on lee side of ridge, predominately trees.



Forrest Beach m 24/6/2022 59 deg(T) -33.57628° +115.45902°

Photo ID: 9a



Forrest Beach m 24/6/2022 193 deg(T) -33.57590° +115.45955°

Photo ID: 9b

Area 9



Forrest Beach p 24/6/2022 223 deg(T) -33.57508° +115.46065°

Photo ID: 9c



Forrest Beach r 24/6/2022 175 deg(T) -33.57456° +115.46126°

Photo ID: 9d



Forrest Beach s 24/6/2022 181 deg(T) -33.57412° +115.46224°

Photo ID: 9e

Area 10

Classification	Class A Forest
Effective Slope	Upslope
Notes	Area of deeper soil types on lee side of ridge, predominately trees and allowing for re-growth.



Photo ID: 10a

Area 11

Classification	Class G Grassland
Effective Slope	1 deg downslope
Notes	Agricultural grassland



Photo ID: 11a

Area 12

Classification

Class G Grassland

Effective Slope

3 deg downslope

Notes

Agricultural grassland with tree/shrub foliage cover less than 10%.



Photo ID: 12a



Photo ID: 12b



Photo ID: 12c

Area 13

Classification

Class G Grassland

Effective Slope

Upslope

Notes

Agricultural grassland with shrub foliage cover less than 10%.



Forrest Beach h 24/6/2022 243 deg(T) -33.58183° +115.45422°

Photo ID: 13a



Forrest Beach z 24/6/2022 160 deg(T) -33.58152° +115.45356°

Photo ID: 13b

Area 14

Classification

Exclusion 2.2.3.2(e)

Effective Slope

n/a

Notes

Non-vegetated road surface.



Photo ID: 14a

APPENDIX 4 – Flora and Fauna Assessment

Flora, Vegetation and Fauna Assessment Lot 806 Forrest Beach Road, Forrest Beach



Prepared For: C.M. and D.J. Forrest
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Developments
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Report Number: AP2022-275

Report Version: 1

Report Date: 9 November 2022

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9 November 2022

Signature

Date

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9 November 2022

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1 INTRODUCTION

1.1 BACKGROUND

The landowners of Lot 806 Forrest Beach Road (the Site) have appointed Dynamic Planning and Development to plan and submit a development application for glamping-style chalet accommodation to be constructed on the Site. Aurora Environmental (Aurora) have been appointed to undertake an out of season assessment investigating the flora, vegetation and fauna values at the Site.

1.2 PROJECT LOCATION

The survey area is located within Lot 806 Forrest Beach Road, Forrest Beach and is situated within the Shire of Capel and is approximately 13 km north-east of Busselton (Figure 1). The 11.74 hectare (ha) Site is a narrow linear shape bound by Forrest Beach Road to the north and north-west, coastal foreshore to the west and rural land to the south and native vegetation and rural land to the east (Figure 2).

1.3 PURPOSE AND SCOPE OF WORK

The purpose of the out of season assessment was to identify and assess the flora, vegetation and fauna values present on the Site and to determine the potential impacts to sensitive populations as a result of developing the Site.

The scope of work included the following:

- Reconnaissance style flora and vegetation survey, which complies with the Technical Guidance – Flora and Vegetation Surveys for Environment Impact Assessment (EPA, 2016), and other relevant State and Federal guidelines and legislation. This covered the following tasks:
 - A desktop review of flora and vegetation to gather contextual information for the Site and its general locality.
 - Collection of botanical data using low intensity sampling methods at the Site.
- A basic fauna survey as per Technical Guidance – Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment (EPA, 2020). This covered the following tasks:
 - A desktop review of fauna and environmental information to gather contextual information about the fauna and habitat types potentially present within the Site and the general locality.
 - A site assessment to document the habitat types and condition and to record opportunistic sightings and evidence of fauna present within the Site.
- Preparation of this report to document the results of the flora, vegetation, and fauna assessment.

2 EXISTING ENVIRONMENT

2.1 LAND USE

Lot 806 is undeveloped and comprises native vegetation with some parts of the Site with tracks and cleared areas (Figure 2).

The Site is reserved as Regional Open Space under the Greater Bunbury Region Scheme and the Shire of Capel's Town Planning Scheme No. 7.

The earliest available aerial photograph of the Site available on-line via Landgate dates back to 1970 which shows the Site was vegetated and the land to the east was cleared and appears to be used for agriculture. The vegetation is not dense in some areas suggesting that the understorey may have been impacted by clearing or grazing. The next available aerial photograph is 1996 and is of poor quality. There does not appear to be any significant changes from the 1970 photograph through to the present.

2.2 TOPOGRAPHY

The Site is situated on a small dune, rising from approximately 4 m AHD in the west up to 10m AHD in the northern portion of the Site. The topography falls to the east to approximately 2 m AHD on the adjacent property.

2.3 GEOLOGY, LANDFORM AND SOILS

The Site is located over the Pinjarra Orogen and the Paleoproterozoic-Palaeozoic rocks of three inliers; Leeuwin Complex, Northampton Complex and the Mullingarra Complex. The basement geology consists of weakly metamorphosed sedimentary siliciclastic with lesser amounts of basalt and dolomite (AGSON 2022), while the bedrock forms part of the Warnbro Group (K-WR-ss) and is made of interbedded sandstone comprising of medium to coarse grained feldspathic sandstones, siltstone, shale and minor conglomerates (GeoView 2022).

The Site is located within a coastal mudflat terrain and has three main soil surface descriptions, with the western portion of the site leading to a beach containing calcareous sands (S13) (Safety Bay Sands), that are white and medium grained containing rounded quartz and shell debris that is well sorted and of eolian origin (Figure 3). South-east of the beach the surface soils remain as a calcareous sand (S27) but are a relatively thin layer over estuarine silts and gley clays of estuarine and eolian origin (Figure 3). A third surface soil is located towards the south-west, which is a silt (M6), of brownish grey colour and calcareous in parts that is soft with some fine sand and shell debris and minor clay content of estuarine origin (Belford, 1987) (Figure 3).

2.4 SURFACE WATER AND HYDROLOGY

No surface water bodies are mapped within the survey area. However, the survey area is situated adjacent to Forrest Beach.

The Department of Biodiversity, Conservations and Attractions (DBCA) Geomorphic Wetlands of the Swan Coastal Plain dataset (DBCA-019; viewed 14 October 2022) indicates there are no mapped wetlands within the survey area (Figure 2).

The nearest wetlands (Figure 2) are:

- A multiple use wetland (MUW) Unique Feature Identifier (UFI) 15126 approximately 75m east of the survey area; and
- A conservation category wetland (CCW) UFI 433 approximately 210m east of the survey area.

Both wetlands appear to be associated with the Vasse-Wonnerup System which is an internationally important wetland and declared RAMSAR site (No. 38) and also listed in the Directory of Important Wetlands in Australia.

2.5 ENVIRONMENTALLY SENSITIVE AREAS

Environmentally Sensitive Areas (ESAs) are declared by the Minister for Environment under Section 51B of the *Environmental Protection Act 1986* to prevent incremental degradation of important environmental values such as declared rare (Threatened) flora, threatened ecological communities or significant wetlands.

ESA mapping is buffered, meaning that a site could be mapped as an ESA while not containing any values representative of an ESA. Most of the survey area mapped as an ESA (Figure 2). Dataset DWER-046 does not specify the reason for an areas inclusion as an ESA. However, it is likely that the survey area's inclusion within the ESA mapping is related to the nearby Vasse-Wonnerup wetland system which is RAMSAR listed and listed in the Directory of Important Wetlands in Australia.

3 METHODOLOGY

3.1 DESKTOP ASSESSMENT

Prior to the commencement of the field survey, a desktop assessment was undertaken to identify relevant environmental information and to assist in survey design. The desktop assessment involved a review of:

- The DBCA's Threatened (Declared Rare) and Priority Flora database (TPFL) and the WA Herbarium database (WAHERB). A 10 km buffer applied from the survey area.
- The DBCA's threatened ecological community (TEC) and priority ecological community (PEC) database. A 10 km buffer applied from the survey area.
- The DBCA Threatened (Declared Rare) and Priority Fauna and black cockatoo database. A 30 km buffer applied from the survey area.
- The Atlas of Living Australia database for flora and fauna species previously recorded within the vicinity of the survey area. A 5 km buffer applied around a centre point of the survey area, defined by coordinates: GDA94 50H 356917 E 6283733 N.
- The Department of Climate Change, Energy, the Environment and Water (DCCEEW) Protected Matters Search Tool (PMST) to identify matters listed for protection under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) potentially occurring within the survey area. A 5 km buffer applied from the centre point of the survey area.
- Existing datasets including previous vegetation mapping of the survey area, aerial photography, geology/soils and hydrology information to provide background information on the variability of the environment, likely vegetation units and to identify areas with potential to contain TECs, PECs, and Threatened and Priority listed flora species.
- Publicly available studies undertaken within or in close proximity to the survey area.

3.2 FIELD SURVEY

A daytime field survey was conducted by an experienced ecologist from Aurora Environmental (Mr Roger Dharmarajan, Flora Permit FB62000412). The survey was conducted on 9 August 2022 and the entire survey area was traversed on foot. The purpose of the field survey was:

- To verify the results of the desktop assessment.
- To identify and describe the dominant vegetation units.
- To identify and describe fauna habitat types.
- To assess and map vegetation condition.
- To identify and record flora and fauna species present at the time of survey.

The survey approach adopted was consistent with:

- A reconnaissance flora and vegetation survey as described in *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (Environmental Protection Authority, 2016).
- A basic fauna survey as described in *Technical Guidance – Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment* (Environmental Protection Authority, 2020).

3.3 SURVEY LIMITATIONS

Following completion of the desktop assessment and field surveys, a review of any limitations that may have affected a complete assessment of the survey area was conducted. Consideration of potential limitations for the flora and vegetation survey are provided in Table A and for the fauna assessment are provided in Table B.

TABLE A: FLORA AND VEGETATION SURVEY LIMITATIONS STATEMENT

POTENTIAL LIMITATION	LIMITATION (NONE/MINOR/ REQUIRES CONSIDERATION)	STATEMENT REGARDING POTENTIAL LIMITATIONS
Availability of contextual information at a regional and local scale	None	Broad-scale contextual information is available from Beard, Heddle et al. and several Commonwealth and State government departments.
Scope (i.e. what life forms, etc., were sampled).	None	Terrestrial flora and likely TECs were the focus of the survey. There were no survey impediments to assessing the site for these aspects.
Competency/ experience of the personnel carrying out the survey, including experience in the bioregion surveyed	None	The ecologist responsible for undertaking the field surveys has significant experience in conducting flora and vegetation surveys throughout Western Australia.
Proportion of flora recorded and/or collected, any identification issues	None	Adequate time was allowed for a thorough search of the survey area. All specimens collected were able to be identified to species level and confirmed in the WA Herbarium.
Was the appropriate area fully surveyed (effort and extent)	None	The survey area was adequately surveyed for the presence and abundance of significant flora species. Sufficient time was provided to allow a thorough search.
Access restrictions within the survey area	None	The entirety of the survey area was able to be accessed by vehicle and traversed by foot.
Proportion of flora collected and identified (based on sampling, timing, and intensity).	Minor	The survey was conducted outside of the recommended survey period (Spring) when the highest percentage of flora are flowering and readily identifiable. The ecologist was familiar with conservation significant taxa in the vegetation surrounding the survey area and was able to identify most conservation significant taxa whilst not flowering. It is acknowledged that some conservation significant taxa would prove to be difficult to detect outside their flowering period, either because of their insignificant physical size,

TABLE A: FLORA AND VEGETATION SURVEY LIMITATIONS STATEMENT

POTENTIAL LIMITATION	LIMITATION (NONE/MINOR/REQUIRES CONSIDERATION)	STATEMENT REGARDING POTENTIAL LIMITATIONS
		senescence, or because the absence of flowers would make distinguishing non-conservation significant taxa from conservation significant taxa from the same genus in the field.
Survey timing, rainfall, season of survey	Minor	The EPA (2016) recommends that flora and vegetation surveys on the Swan Coastal Plain should be undertaken in Spring. The survey was conducted in late winter (August). This may result in reduced ability to recognise some conservation significant flora and some annual species may not have been present at the time of the survey.
Disturbance that may have affected the results of survey such as fire, flood or clearing.	None	The survey area was not impacted by recent fire, flood or clearing. The disturbances that have occurred within the survey area are historic. These have impacted the floristic diversity, vegetation condition and fauna habitat. The historic disturbance does not represent a constraint to undertaking the survey.

TABLE B: FAUNA SURVEY LIMITATIONS STATEMENT

ASPECT	LIMITATION	COMMENT
Sources of information and availability of contextual information.	Nil	Adequate information is available for the survey area.
Scope (what life forms were sampled etc.)	Nil	The survey method appropriately accounts for the types of life forms might be expected within the survey area.
Proportion of fauna identified, recorded and/or collected	Minor	The fauna survey was undertaken in August 2022 and comprised a reconnaissance style survey. The assessment method targeted those species that can be easily seen, heard or have distinctive signs, such as tracks, scats, diggings, etc. Cryptic species may not have been identified during a reconnaissance style survey. A single survey does not account for seasonal variations. The fauna assessment was aimed at identifying habitat types and conservation significant terrestrial vertebrate fauna likely to be using the survey area.
Completeness and further work which might be needed (e.g. was the relevant area fully surveyed)	Nil	The survey area was adequately covered.
Mapping reliability	Minor	The vegetation/habitat was mapped using high-resolution aerial imagery, topographical features, previous broad scale mapping and field data.

TABLE B: FAUNA SURVEY LIMITATIONS STATEMENT

ASPECT	LIMITATION	COMMENT
		Data was recorded in the field using hand-held GPS tools. Certain atmospheric factors and other sources of error can affect the accuracy of GPS receivers. The handheld GPS unit used for this survey is accurate to within ± 5 m on average. 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. Some fauna species are more active during warmer months.
Disturbances (e.g. fire, flood, accidental human intervention)	Nil	The survey area was not impacted by any recent disturbance events such as floods or fire.
Intensity (in retrospect, was the intensity adequate)	Nil	The survey area was sufficiently covered by the ecologist. Seasonal sampling was not conducted as part of this scope of work but is not deemed a limitation for this type of assessment.
Resources	Nil	Adequate resources were employed during the field survey.
Access restrictions	Nil	The survey area was accessible by foot and vehicle. No restrictions were encountered.
Experience levels	Nil	The ecologist who executed the survey has undertaken fauna assessments throughout Western Australia.

Seasonal sampling has not been conducted as part of this assessment. The conclusions presented are based on information from Western Australian and Commonwealth databases, field data and the environmental sampling conducted 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. It is recognised that site conditions may change over time.

4 RESULTS

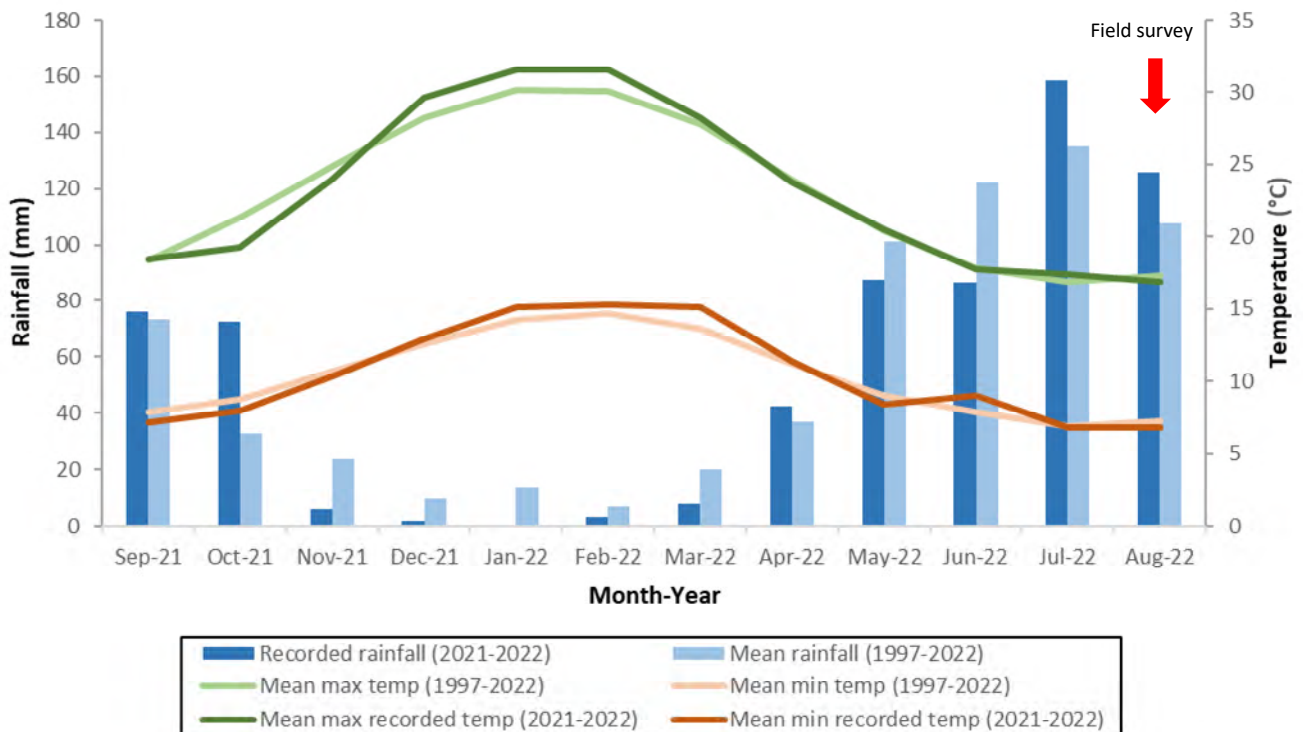
4.1 CLIMATE

Daily weather observations recorded at the Busselton Aero weather station (Bureau of Meteorology (BOM) station 009603), located approximately 12.6km south-east of Lot 806, were used to describe the local rainfall and temperature conditions prior to the field survey.

The long-term average rainfall and temperature data (1997-2022) and shown against the monthly average rainfall and temperatures recorded for September 2021 to August 2022 in Chart A (BOM 2022).

A total of 668mm of rainfall had been recorded over the last 12 months at the Busselton Aero weather station; 17.4mm less than the long-term average (1997-2022). Average temperatures for August 2022 during the surveying period recorded an average maximum of 16.9°C and an average minimum of 6.8°C (BOM 2022) (Chart A).

CHART A: RAINFALL AND TEMPERATURE DATA FOR BUSSELTON AERO (BOM STATION 009063)



4.2 DESKTOP ASSESSMENT

4.2.1 Flora and Vegetation

4.2.1.1 Interim Biogeographical Regionalisation of Australia

The Interim Biogeographic Regionalisation for Australia (IBRA version 7) divides the Australian continent into eighty-nine bioregions and 419 subregions (DoE, 2015). IBRA regions represent a landscape-based approach to classifying the land surface, including attributes of climate,

geomorphology, landform, lithology, and characteristic flora and fauna. Specialist ecological knowledge, combined with appropriate regional and continental scale biophysical datasets were interpreted to define and describe these regions (Thackway and Cresswell 1995). Information about each subregion is used to help determine which ecosystems are protected in the conservation estate.

The Site is located within the Swan Coastal Plain (SWA) Bioregion and falls within the Perth sub-region (SWA02).

4.2.1.2 Pre-European Vegetation Mapping

Vegetation complexes are a broad level of vegetation description which is based on geomorphology and rainfall (Hedde *et al.*, 1980). The survey area is mapped entirely as Quindalup vegetation complex (Dataset: DBCA-046, viewed 14 October 2022) and is described as a coastal dune complex comprised of low closed forest and closed scrub. Table C below sets out the remaining extent of Quindalup vegetation complex at a state-wide level and the proportion that the vegetation within the survey area comprises. In 2018 there was 5,186.15 ha of the Quindalup vegetation complex within secure conservation reserves, representing 15.71% of the remaining extent (Government of Western Australia, 2019a).

TABLE C: EXTENT OF HEDDLE VEGETATION COMPLEX INTERSECTING SURVEY AREA

VEGETATION COMPLEX	STATE-WIDE			SURVEY AREA	
	PRE-EUROPEAN EXTENT (ha)	CURRENT EXTENT (ha)	% REMAINING	AREA (ha)	PROPORTION OF CURRENT EXTENT (%)
Quindalup	54,573.87	33,011.64	60.49	11.74	0.04

Broadscale vegetation mapping by Beard in 1981 and later by Shepherd *et al.* (2001) and available as DPIRD-006 dataset (accessed 14 October 2022) shows the survey area intersects two vegetation associations (Figure 4). The northern portion is mapped as Spearwood Association 37 (Vegetation type 14, Thicket: comprised of Wattle, Casuarina, and tea-tree: *Acacia – Allocasuarina – Melaleuca* alliance), and the southern portion is mapped as Spearwood Association 676 (Vegetation type 50, Samphire: *Tecticornia* spp. communities in saline areas).

Table D below sets out the remaining extent of each survey area within the intersected pre-European vegetation associations. In 2018 there was 4,657.68 ha of Beard vegetation association 37 within secure conservation reserves, representing 18.84% of the remaining extent and 73,701.97 ha of Beard vegetation association 676 within secure conservation reserves, representing 3.75% of the remaining extent (Government of Western Australia, 2019b).

TABLE D: EXTENT OF BEARD VEGETATION ASSOCIATION INTERSECTING THE SURVEY AREA

VEGETATION ASSOCIATION	STATE-WIDE		SURVEY AREA		
	PRE-EUROPEAN EXTENT (ha)	CURRENT EXTENT (ha)	% REMAINING	AREA (ha)	PROPORTION OF CURRENT EXTENT (%)
Spearwood 37	39,296.52	24,727.17	62.92	6.97	0.03
Spearwood 676	2,063,413.95	1,963,881.55	95.18	4.77	0.0002

4.2.1.3 Flora Database Search Results

The database searches using the DBCA’s threatened flora databases which comprise the WA Herbarium records (Appendix 1) and the Threatened/Priority Flora List (Appendix 2) along with the PMST database (Appendix 3) identified 75 conservation significant flora species potentially occurring within 10 km of the survey area (Figure 5). The PMST search results represent species potentially present within 5 km of the survey area.

A list of the species identified from the database search and their likelihood of occurrence within the survey area is provided in Table E. The list includes 21 threatened taxa, five Priority 1 taxa, seven, Priority 2 taxa, 26 Priority 3 taxa and 16 Priority 4 taxa.

The Atlas of Living Australia was searched using a 5 km buffer from the centre point of the survey area to generate a list of flora species potentially present within the search area. A total of 403 flora species comprised of 321 native taxa and 82 non-native taxa was identified from the search. The complete list of species is presented in Appendix 4.

Prior to conducting the field survey, aerial imagery was interpreted to identify potential habitat types within and surrounding the survey area. Preferred habitat information for each significant flora species was also compiled using publicly available information from FloraBase and other publicly available information sources. The distance of the survey area to nearest records of significant flora calculated using GIS software and the coordinates provided with database results. The likelihood of occurrence for significant flora species identified from the database searches were then categorised according to the following criteria for potential occurrence within the survey area:

- Recorded:** the species has been previously recorded in the survey area or observed during the site assessment.
- Likely:** Species has been recorded within 10 km of the survey area and there is suitable habitat in the survey area.
- Potential:** There is suitable habitat within the survey area.
- Unlikely:** No suitable habitat within the survey area.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Banksia nivea</i> subsp. <i>uliginosa</i>	✓	✓	✓	Threatened (Endangered)	Endangered	Unlikely due to absence of suitable habitat.
<i>Banksia squarrosa</i> subsp. <i>argillacea</i>	✓		✓	Threatened (Vulnerable)	Vulnerable	Unlikely due to absence of suitable habitat.
<i>Brachyscias verecundus</i>			✓	Threatened (Critically Endangered)	Critically Endangered	Unlikely due to absence of suitable habitat.
<i>Caladenia busselliana</i>	✓	✓	✓	Threatened (Critically Endangered)	Endangered	Unlikely due to absence of suitable habitat.
<i>Caladenia huegelii</i>	✓	✓	✓	Threatened (Critically Endangered)	Endangered	Unlikely due to absence of suitable habitat.
<i>Chamelaucium roycei</i>	✓			Threatened (Vulnerable)		Unlikely due to absence of suitable habitat.
<i>Chamelaucium</i> sp. S coastal plain (R.D.Royce 4872)		✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely due to absence of suitable habitat.
<i>Darwinia whicherensis</i>	✓			Threatened (Critically Endangered)		Unlikely due to absence of suitable habitat.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Diuris drummondii</i>	✓		✓	Threatened (Vulnerable)	Vulnerable	Unlikely due to absence of suitable habitat.
<i>Diuris micrantha</i>			✓	Threatened (Vulnerable)	Vulnerable	Unlikely due to absence of suitable habitat.
<i>Drakaea elastica</i>	✓	✓	✓	Threatened (Critically Endangered)		Unlikely due to absence of suitable habitat.
<i>Drakaea micrantha</i>			✓	Threatened (Endangered)	Vulnerable	Unlikely due to absence of suitable habitat.
<i>Gastrolobium papilio</i>			✓	Threatened (Critically Endangered)	Endangered	Unlikely due to absence of suitable habitat.
<i>Grevillea elongata</i>	✓			Threatened (Endangered)		Unlikely due to absence of suitable habitat.
<i>Lambertia echinata</i> subsp. <i>occidentalis</i>			✓	Threatened (Critically Endangered)	Endangered	Unlikely due to absence of suitable habitat.
<i>Morelotia australiensis</i>	✓	✓		Threatened (Vulnerable)		Unlikely due to absence of suitable habitat.
<i>Petrophile latericola</i>			✓	Threatened (Critically Endangered)	Endangered	Unlikely due to absence of suitable habitat.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Synaphea</i> sp. Fairbridge Farm (D. Papenfus 696)			✓	Threatened (Critically Endangered)	Critically Endangered	Unlikely due to absence of suitable habitat.
<i>Verticordia densiflora</i> var. <i>pedunculata</i>	✓	✓	✓	Threatened (Endangered)	Threatened (Endangered)	Unlikely due to absence of suitable habitat.
<i>Verticordia plumosa</i> var. <i>ananeotes</i>		✓		Threatened (Critically Endangered)		Unlikely due to absence of suitable habitat.
<i>Verticordia plumosa</i> var. <i>vassensis</i>	✓	✓	✓	Threatened (Endangered)	Threatened (Endangered)	Unlikely due to absence of suitable habitat.
<i>Acacia</i> sp. Binningup (G. Cockerton et al. WB 37784)	✓			Priority 1		Unlikely. The species grows in sand in Tuart Woodland on the Quindalup dune system. The survey area does not contain Tuart woodland.
<i>Andersonia ferricola</i>	✓			Priority 1		Unlikely, due to an absence of suitable habitat.
<i>Bolboschoenus medianus</i>	✓			Priority 1		Unlikely, due to an absence of suitable habitat.
<i>Calytrix retrorsifolia</i>	✓			Priority 1		Unlikely, due to an absence of suitable habitat.
<i>Dillwynia</i> sp. Capel (P.A. Jurjevich 1771)	✓			Priority 1		Unlikely, due to an absence of suitable habitat.
<i>Acacia benthamii</i>		✓		Priority 2		Unlikely, survey area is south of species distribution.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Amperea micrantha</i>	✓	✓		Priority 2		Unlikely, due to absence of suitable habitat.
<i>Cardamine paucijuga</i>	✓	✓		Priority 2		Unlikely due to absence of suitable habitat.
<i>Leucopogon</i> sp. Busselton (D. Cooper 243)	✓			Priority 2		Unlikely due to absence of suitable habitat.
<i>Montia australasica</i>	✓	✓		Priority 2		Unlikely due to absence of suitable habitat.
<i>Schoenus loliaceus</i>		✓		Priority 2		Unlikely due to absence of suitable habitat.
<i>Thelymitra variegata</i>	✓			Priority 2		Potential. There is little information about this species habitat requirements on FloraBase. The probability of this species occurring is low; the nearest record is approximately 7.7 km north-east of the survey area.
<i>Adelphacme minima</i>	✓	✓		Priority 3		Unlikely, due to absence of suitable habitat.
<i>Angianthus drummondii</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Blennospora doliiformis</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Boronia anceps</i>		✓		Priority 3		Unlikely due to absence of suitable habitat.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Boronia tetragona</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Chamaescilla gibsonii</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Chordifex gracilior</i>		✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Eryngium</i> sp. <i>ferox</i> (G.J. Keighery 16034)	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Eryngium</i> sp. <i>subdecumbens</i> (G.J. Keighery 5390)		✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Grevillea brachystylis</i> subsp. <i>Brachystylis</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Hakea oldfieldii</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Isopogon formosus</i> subsp. <i>dasylepis</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Jacksonia gracillima</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Lasiopetalum membranaceum</i>	✓	✓		Priority 3		Potential. The species is found on sands over limestone. The nearest record is approximately 2.2 km south of the survey area.
<i>Loxocarya magna</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Meionectes tenuifolia</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Myriophyllum echinatum</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Olearia strigosa</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Pultenaea pinifolia</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Schoenus benthamii</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Schoenus pennisetis</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Stylidium paludicola</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Synaphea hians</i>	✓			Priority 3		Potential. The species is found on sandy soils, rises. The probability of this species occurring is low; the nearest record is approximately 7.5 km east of the survey area.
<i>Synaphea petiolaris</i> subsp. <i>simplex</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Tetradlea parvifolia</i>	✓			Priority 3		Unlikely due to absence of suitable habitat.
<i>Verticordia attenuata</i>	✓	✓		Priority 3		Unlikely due to absence of suitable habitat.
<i>Acacia flagelliformis</i>	✓	✓		Priority 4		Unlikely, no suitable habitat in the survey area.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Acacia semitrullata</i>	✓	✓		Priority 4		Unlikely, no suitable habitat in the survey area.
<i>Aponogeton hexatepalus</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Banksia meisneri</i> subsp. <i>ascendens</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Caladenia speciosa</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Calothamnus quadrifidus</i> subsp. <i>teretifolius</i>	✓			Priority 4		Unlikely due to absence of suitable habitat. The species is found inland from Busselton. It grows in clay in winter-wet areas in shrublands.
<i>Chamelaucium erythrochlorum</i>	✓			Priority 4		Unlikely due to absence of suitable habitat.
<i>Eucalyptus rudis</i> subsp. <i>cratyantha</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Franklandia triaristata</i>	✓			Priority 4		Potential. The species is found on sandy soils, rises. The probability of this species occurring is low; the nearest record is approximately 10 km east of the survey area.
<i>Microtis quadrata</i>	✓			Priority 4		Unlikely due to absence of suitable habitat.
<i>Ornduffia submersa</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.

TABLE E: CONSERVATION SIGNIFICANT FLORA

SPECIES	DATABASE SOURCE		PMST	CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
	WA HERBARIUM	THREATENED & PRIORITY FLORA LIST		BC ACT (STATE)	EPBC ACT (CTH)	
<i>Schoenus natans</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Stylidium longitubum</i>	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Thysanotus glaucus</i>	✓	✓		Priority 4		Potential. There is little information about this species habitat requirements on FloraBase other than it is found on white, grey or yellow sand and sandy gravels. The probability of this species occurring is low; the nearest record is approximately 9.7 km east of the survey area.
<i>Tripterococcus</i> sp. <i>brachylobus</i> (A.S. George 14234)	✓	✓		Priority 4		Unlikely due to absence of suitable habitat.
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>	✓			Priority 4		Unlikely due to absence of suitable habitat.

Highlighted entries in the above table indicate those species identified as having potential to be recorded within the survey area. Many of these are considered low risk of being present within the survey area due to the weedy understorey and historic use of the Site for agricultural purposes.

The records for the above conservation significant flora species listed in Table E are not shown as occurring within the survey area (Figure 5). The closest record is a Priority 1 taxon (*Acacia* sp./ Binningup (G. Cockerton et al. WB 3778a) approximately 1.2 km south-east of the survey area which was recorded roadside amongst cultivated plants and on sandy loam (Figure 5).

4.2.1.4 Ecological Communities Database Search Results

A search of the DBCA’s TEC/PEC database identified 10 ecological communities which represent TECs or PECs as occurring within 10 km of the survey area as summarised in Table F and shown in Figure 6.

TABLE F: CONSERVATION SIGNIFICANT ECOLOGICAL COMMUNITIES

COMMUNITY ID	COMMUNITY NAME	CONSERVATION STATUS	
		BC ACT (STATE)	EPBC ACT (CTH)
DBCA TEC/PEC Database			
SCP10b	Shrublands on southern Swan Coastal Plain Ironstones (Busselton area) (floristic community type 10b as originally described in Gibson <i>et al.</i> (1994))	Threatened (Critically Endangered)	Critically Endangered
SCP10a	Shrublands on dry clay flats (floristic community type 10a as originally described in Gibson <i>et al.</i> (1994))	Threatened (Endangered)	Critically Endangered
SCP02	Southern wet shrublands, Swan Coastal Plain (floristic community type 2 as originally described in Gibson <i>et al.</i> (1994))	Threatened (Endangered)	-
Busselton Yate Community	<i>Eucalyptus cornuta</i> , <i>Agonis flexuosa</i> and <i>Eucalyptus decipiens</i> forest on deep yellow-brown siliceous sands over limestone	Priority 1	-
Wooded waterbird wetlands	Wooded wetlands which support colonial waterbird nesting areas	Priority 2	-
Banksia WL SCP	Banksia Woodlands of the Swan Coastal Plain ecological community	Priority 3	Endangered
SCP30b	Quindalup <i>Eucalyptus gomphocephala</i> and/or <i>Agonis flexuosa</i> woodlands	Priority 3	-
SCP21b	Southern <i>Banksia attenuata</i> woodlands	Priority 3	Endangered
Tuart Woodlands	Tuart (<i>Eucalyptus gomphocephala</i>) woodlands and forests of the Swan Coastal Plain	Priority 3	Critically Endangered
Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable
PMST Database			
	Banksia Woodlands of the Swan Coastal Plain Ecological Community	Various	Endangered
	Clay pans of the Swan Coastal Plain	Various	Critically Endangered

TABLE F: CONSERVATION SIGNIFICANT ECOLOGICAL COMMUNITIES

COMMUNITY ID	COMMUNITY NAME	CONSERVATION STATUS	
		BC ACT (STATE)	EPBC ACT (CTH)
	Sub-tropical and Temperate Coastal Saltmarsh	Priority 3	Vulnerable
	Tuart (<i>Eucalyptus gomphocephala</i>) Woodlands and Forests of the Swan Coastal Plain ecological community	Priority 3	Critically Endangered

According to the mapping provided by the DBCA, the survey area intersects one significant ecological community (Sub-tropical and Temperate Coastal Saltmarsh). The TEC and PEC mapping is provided as a buffered location and therefore may not exist within the survey area itself.

4.2.2 Fauna

4.2.2.1 Fauna Database Search Results

The database searches using the DBCA’s threatened and priority fauna database (Appendix 5) and the PMST database (Appendix 3) identified 77 conservation significant fauna species potentially occurring within 30 km of the survey area (Figure 7). The PMST search records represent species potentially present within 5 km of the survey area.

A combined list of conservation significant fauna species that may be found and their likelihood of occurrence within the survey area is provided in Table G. The likelihood of occurrence has been determined by reviewing historic records and reviewing the habitat requirements for each of the species. The likelihood of occurrence assessment assigns one of the following classifications for each species:

- Recorded:** the species has been observed or recent evidence of the species occurring within the survey area was observed during the site assessment.
- Likely:** The survey area is within the known distribution for the species and contains habitat that is suitable for use and there is evidence of use historic use or records of the species occurring within the local area.
- Potential:** The survey area occurs within the known distribution of the species and the species may occasionally be found within the area either as a transient species and the survey area contains habitat which may be suitable.
- Unlikely:** No suitable habitat for the species within the survey area. no documented records of the species occurring in the locality or the species is generally accepted as locally extinct.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBC A	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Helicarion castanea</i>	A helicarionid land snail	Invertebrate	✓		Extinct		Unlikely to be present in the survey area. Species is regarded to be extinct. Habitat requirements are not well documented; however, records of the species are from areas containing Eucalypt woodlands which is not presented in the survey area.
<i>Calidris ferruginea</i>	Curlew Sandpiper	Bird	✓	✓	Threatened (Critically Endangered)	Critically Endangered / Migratory	Unlikely to be occur due to absence of suitable habitat.
<i>Calidris tenuirostris</i>	Great knot	Bird	✓		Threatened (Critically Endangered)	Migratory	Unlikely to be occur due to absence of suitable habitat.
<i>Limosa lapponica menzbieri</i>	Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit	Bird		✓	Threatened (Critically Endangered)	Critically Endangered	Unlikely to be occur due to absence of suitable habitat. Multiple historic records of this species occurring within 10 km of the survey area. Most of the historic records are associated with the Wonnerup System.
<i>Numenius madagascariensis</i>	Eastern Curlew	Bird	✓	✓	Threatened (Critically Endangered)	Critically Endangered / Migratory	Unlikely to be occur due to absence of suitable habitat.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Bettongia penicillata ogilbyi</i>	Woylie, Brush-tailed Bettong	Mammal	✓		Threatened (Critically Endangered)	Endangered	Unlikely to be present in the survey area. The species is known from two small areas in Western Australia (Upper Warren and Dryandra Woodlands). It is mostly restricted to dry sclerophyll forests and woodlands dominated by Jarrah and Wandoo which is not present in the survey area.
<i>Pseudocheirus occidentalis</i>	Western Ring-tailed Possum	Mammal	✓	✓	Threatened (Critically Endangered)	Critically Endangered	Likely. The survey area is within the known distribution of this species and contains suitable habitat comprising coastal Peppermint woodland. An old drey was recorded during the survey and there was no evidence of active use by this species. The landowner advised that Western Ringtail Possums have been observed within the survey area in the past. There was one record of this species from 2019 1 km south of the survey area.
<i>Anous tenuirostris melanops</i>	Australian Lesser Noddy	Bird	✓	✓	Threatened (Endangered)	Vulnerable	Unlikely to be present in the survey area. The Australian lesser noddy is only known to breed in Houtman Abrolhos.
<i>Botaurus poiciloptilus</i>	Australasian Bittern	Bird	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area due to absence of suitable habitat. The species favours wetlands with tall dense vegetation, permanent

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							and seasonal freshwater habitats, dominated by sedges rushes and reeds, growing over a muddy or peaty substrate.
<i>Calidris canutus</i>	Red Knot	Bird	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area due to absence of suitable habitat. Red Knots gather in large flocks on the coast in sandy estuaries with tidal mudflats.
<i>Calyptorhynchus baudinii</i>	Baudin’s Cockatoo	Bird	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area due to absence of suitable habitat. Baudin’s cockatoos utilise dense Jarrah, Karri and Marri Forests. The species nests in large hollows in these species. Multiple historic records of this species occur within 10 km of the survey area; predominantly east of the survey area.
<i>Calyptorhynchus latirostris</i>	Carnaby’s Cockatoo	Bird	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area due to absence of suitable habitat. Carnaby’s cockatoo mainly occurs in or near eucalypt woodlands, especially those dominated by Wandoo or Salmon Gum, and reported in forests of Marri, Jarrah, Karri and Tuart. On the Swan Coastal Plain most nests are in Tuart.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							Multiple historic records of this species occur within 10 km of the survey area, predominantly east of the survey area.
<i>Diomedea dabbenena</i>	Tristan Albatross	Bird		✓	Threatened (Critically Endangered)	Endangered	Unlikely to be present in the survey area as this species is a marine species.
<i>Diomedea sanfordi</i>	Northern Royal Albatross	Bird		✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area as this species is a marine species.
<i>Macronectes giganteus</i>	Southern Giant-Petrel	Bird		✓	Migratory	Endangered / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Pezoporus occidentalis</i>	Night Parrot	Bird		✓	Threatened (Critically Endangered)	Endangered	Unlikely to be present in the survey area due to the absence of suitable habitat. Night Parrots usually inhabit arid or semi-arid grasslands that are dominated by spinifex, though they have also been recorded in shrublands dominated by samphire, bluebush and saltbush.
<i>Phoebastria fusca</i>	Sooty Albatross	Bird	✓	✓	Threatened (Endangered)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Thalassarche carteri</i>	Indian Yellow-nosed Albatross	Bird	✓		Threatened (Endangered)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBC A	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Galaxiella nigrostriata</i>	Black-stripe Minnow, Black-striped Dwarf Galaxias	Fish	✓		Threatened (Endangered)	Endangered	Unlikely to be present in the survey area due to the absence of suitable habitat. No wetlands are present within the survey area.
<i>Lepidogalaxias salamandroides</i>	Salamanderfish	Fish	✓		Threatened (Endangered)		Unlikely to be present in the survey area due to the absence of suitable habitat. No wetlands, pools or swamps are present within the survey area.
<i>Caretta</i>	Loggerhead Turtle	Reptile	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area as this species is a marine species. One historic (1984) record of this species occurring on the beach north of the survey area.
<i>Balaenoptera borealis</i>	Sei Whale	Mammal	✓		Threatened (Endangered)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.
<i>Balaenoptera musculus</i>	Antarctic blue whale	Mammal	✓	✓	Threatened (Endangered)	Endangered	Unlikely to be present in the survey area as this species is a marine species.
<i>Ardenna carneipes</i>	Flesh-footed Shearwater, Fleishy-footed Shearwater	Bird	✓		Threatened (Vulnerable)	Migratory	Unlikely to be present in the survey area as this species is a migratory marine species. Flesh-footed shearwater breed on 41 islands off the coast of south-western Western Australia
<i>Calyptorhynchus banksii naso</i>	Forest red-tailed Black Cockatoo	Bird	✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area due to absence of suitable habitat. Forest red-tailed

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							black cockatoos utilise dense Jarrah, Karri and Marri Forests. The species nests in large hollows in these species.
<i>Charadrius leschenaultia</i>	Greater Sand Plover, Large Sand Plover	Bird	✓	✓	Threatened (Vulnerable)	Vulnerable / Migratory	Potentially found along the beach to the west of the survey area. In the non-breeding grounds in Australasia, the species is almost entirely coastal, inhabiting littoral and estuarine habitats. They mainly occur on sheltered sandy, shelly or muddy beaches with large intertidal mudflats or sandbanks, as well as sandy estuarine lagoons
<i>Diomedea epomophora</i>	Southern Royal Albatross	Bird		✓	Threatened (Vulnerable)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Diomedea exulans</i>	Wandering Albatross	Bird	✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.
<i>Falco hypoleucos</i>	Grey Falcon	Bird		✓	Threatened (Vulnerable)	Vulnerable	Potentially present within the survey area as a transient species which forages across a wide range. The grey falcon is an Australian endemic, usually confined to the arid inland. It inhabits <i>Triodia</i> grassland, <i>Acacia</i> shrubland and lightly timbered arid woodland.
<i>Halobaena caerulea</i>	Blue Petrel	Bird		✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Leipoa ocellata</i>	Malleefowl	Bird	✓		Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area as this species due to absence of suitable habitat. Malleefowl are found in the semi-arid mallee shrublands and woodlands.
<i>Macronectes halli</i>	Northern Giant-Petrel	Bird		✓	Migratory	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Pachyptila turtur subantarctica</i>	Fairy Prion (Southern)	Bird		✓		Vulnerable	Unlikely to be present in the survey area as this species is a marine species and is known from islands of southern Australia.
<i>Pterodroma mollis</i>	Soft-plumaged Petrel	Bird		✓		Vulnerable	Unlikely to be present in the survey area as this species is a marine species.
<i>Sternula nereis</i>	Australian Fairy Tern	Bird		✓	Threatened (Vulnerable)	Vulnerable	Potentially found along the beach to the west of the survey area. The species may migrate along the coastal area along south-west WA.
<i>Thalassarche carteri</i>	Indian Yellow-Nosed Albatross	Bird		✓	Threatened (Endangered)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Thalassarche cauta</i>	Shy Albatross	Bird	✓	✓	Threatened (Vulnerable)	Endangered / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Thalassarche chrysostoma</i>	Grey-headed Albatross	Bird	✓		Threatened (Vulnerable)	Endangered	Unlikely to be present in the survey area as this species is a marine species.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Thalassarche impavida</i>	Campbell Albatross	Bird		✓	Threatened (Vulnerable)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Thalassarche melanophris</i>	Black-browed Albatross	Bird		✓	Threatened (Endangered)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Thalassarche steadi</i>	White-capped Albatross	Bird		✓	Threatened (Vulnerable)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Carcharodon carcharias</i>	Great White Shark	Fish	✓		Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.
<i>Nannatherina balstoni</i>	Balston's Pygmy Perch	Fish		✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area due to an absence of suitable habitat. Balston's Pygmy Perch inhabits acidic, tannin-stained freshwater pools, streams and lakes in peat flats within 30 km of the coast of south-west WA, preferring shallow water, and commonly associated with tall sedge thickets and inundated riparian vegetation.
<i>Thunnus maccoyii</i>	Southern Bluefin Tuna	Fish		✓		Conservation Dependent	Unlikely to be present in the survey area as this species is a marine species.
<i>Westralunio carteri</i>	Carter's Freshwater Mussel	Invertebrate	✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area due to an absence of suitable habitat. Carter's freshwater mussel is found in freshwater streams

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							often with fringing vegetation which partially shades the waterway.
<i>Arctocephalus tropicalis</i>	Sub-Antarctic Fur Seal	Mammal	✓		Threatened (Vulnerable)		Unlikely to be present in the survey area as this species is a marine species. One historic (2017) record of this species occurring on the beach to the wets of the survey area.
<i>Dasyurus geoffroii</i>	Chuditch, Western Quoll	Mammal	✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area. Quolls may occupy a range of habitats including forest, woodland and desert, though in the south-west of WA, they are largely restricted to Jarrah forest or scattered through the southern and eastern wheatbelt.
<i>Eubalaena australis</i>	Southern Right Whale	Mammal	✓	✓	Threatened (Vulnerable)	Endangered	Unlikely to be present in the survey area as this species is a marine species.
<i>Macrotis lagotis</i>	Bilby, Dalgyte, Ninu	Mammal	✓		Threatened (Vulnerable)	Vulnerable	Unlikely to be present as the survey area is outside the current distribution of the species. The greater bilby lives in the desert. One historic record from 1972 occurs within 10 km of the survey area.
<i>Neophoca cinerea</i>	Australian Sea-lion	Mammal	✓	✓	Threatened (Vulnerable)	Endangered	Unlikely to be present in the survey area as this species is a marine species.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Setonix brachyurus</i>	Quokka	Mammal	✓		Threatened (Vulnerable)	Vulnerable	Unlikely to be present as the survey area. The current distribution on the mainland is largely restricted to high rainfall areas and restricted to 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.
<i>Chelonia mydas</i>	Green Turtle	Reptile	✓	✓	Threatened (Vulnerable)	Vulnerable	Unlikely to be present in the survey area as this species is a marine species. One record of this species in 2020 occurring on the beach near the northern end of the survey area.
<i>Dermochelys coriacea</i>	Leatherback Turtle	Reptile	✓	✓	Threatened (Vulnerable)	Endangered	Unlikely to be present in the survey area as this species is a marine species.
<i>Natator depressus</i>	Flatback Turtle	Reptile		✓	Threatened (Vulnerable)	Vulnerable / Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Pachysaga strobila</i>	Vasse pachysaga (Busselton-Donnybrook)	Invertebrate	✓		Priority 1		Potentially present within the survey area. There is little information about this species habitat requirements. It was recorded near and is believed to occur within heath or mixed woodland.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Ixobrychus flavicollis australis</i> (southwest subpop.)	Black Bittern (Southwest Subpopulation)	Bird	✓		Priority 2		Unlikely to be present due to absence of suitable habitat. The Australasian Bittern occurs in terrestrial freshwater wetlands and, rarely, estuarine habitats. In the south-west it is found in beds of tall rush mixed with, or near, short fine sedge or open pools. The species also occurs around swamps, lakes, pools, rivers and channels fringed with lignum (<i>Muehlenbeckia</i> sp.), canegrass (<i>Eragrostis</i> sp.) or other dense vegetation.
<i>Bothriembryon irvineanus</i>	Irvine's Bothriembryontid Land Snail (Cape Naturaliste)	Invertebrate	✓		Priority 2		Unlikely to be present due to absence of suitable habitat. Few local records of the species exist and it was recorded from Open marri (<i>Corymbia calophylla</i>) woodland with scattered jarrah (<i>Eucalyptus marginata</i>), over <i>Xanthorrhoea preissii</i> , <i>Kingia australis</i> , <i>Hypocalymma angustifolium</i> and <i>Hibbertia hypericoides</i> , over sedges and herbs.
<i>Elapognathus minor</i>	Short-nosed Snake	Reptile	✓		Priority 2		Potentially present within the survey area. Short nosed snakes are endemic to swamplands and coastlands in the south-west of WA where they shelter in nests of stick ants, as well as dense rushes and reed tussocks.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Tyto novaehollandiae</i>	Masked Owl	Bird	✓		Priority 3		Potentially present within the survey area. The species is found in Forests, open woodlands, farmlands with large trees, e.g. river red gums, adjacent cleared country, timbered watercourses, paperbark woodlands and caves. Some woodland (WA Peppermint) habitat is present in the survey area and is located adjacent to farmland.
<i>Geotria australis</i>	Pouched Lamprey	Fish	✓		Priority 3		Unlikely to be present in the survey area due to an absence of suitable habitat. The Pouched Lamprey lives in mud burrows in the upper reaches of coastal streams before migrating to the sea.
<i>Idiosoma sigillatum</i>	Swan Coastal Plain Shield-backed Trapdoor Spider	Invertebrate	✓		Priority 3		Potentially present within the survey area. This species of trapdoor spider is known to occur from Dalyellup (north of the survey area) to Ledge Point. It inhabits woodland and heathlands on sandy soils.
<i>Ctenotus ora</i>	Coastal Plains Skink	Reptile	✓		Priority 3		Unlikely to be present within the survey area. This species has been recorded from areas with a sandy substrate with low vegetation in open Eucalypt/Corymbia woodland over Banksia species. This type of habitat is not within the survey area.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBC A	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Lerista lineata</i>	Perth Slider, Lined Skink	Reptile	✓		Priority 3		Potentially present within the survey area. The Perth Slider is found within sandy coastal heath and low scrubland, Banksia woodlands, Tuart open woodlands over deep sands and coastal dunes immediate adjacent to the beach.
<i>Oxyura australis</i>	Blue-billed Duck	Bird	✓		Priority 4		Unlikely to be present in the survey area due to absence of suitable habitat. The blue-billed duck utilises well vegetated freshwater swamps, large dams and lakes , it winters on open water and may be occasionally found on salt lakes and estuaries freshened by floodwaters.
<i>Phaethon rubricauda</i>	Red-tailed Tropicbird	Bird	✓		Priority 4	Migratory	Unlikely to be present in the survey area as this species is a migratory marine species. It is rarely seen on land.
<i>Phoebastria palpebrata</i>	Light-mantled Albatross	Bird	✓		Priority 4	Migratory	Unlikely to be present in the survey area as this species is a marine species.
<i>Stercorarius antarcticus lonnbergi</i>	Brown Skua, Sub-Antarctic Skua	Bird	✓		Priority 4		Unlikely to be present in the survey area as this species is a migratory marine species. The species breeds in the sub-Antarctic and Antarctic zones, migrating north when not breeding.
<i>Thinornis rubricollis</i>	Hooded Plover, Hooded Dotterel	Bird	✓		Priority 4		Potentially found along the beach to the west of the survey area. The species is found on broad

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBC A	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							sandy beaches and bays, coastal and inland salt lakes.
<i>Tringa brevipes</i>	Grey-tailed Tattler	Bird	✓		Priority 4	Migratory	Unlikely to be present in the survey area as this species is a migratory marine species. Grey-tailed Tattlers are usually seen in small flocks on sheltered coasts with reefs and rock platforms or with intertidal mudflats. They are also found in intertidal rocky, coral or stony reefs, platforms and islets that are exposed at high tide, also shores of rock, shingle, gravel and shells and on intertidal mudflats in embayments, estuaries and coastal lagoons, especially those fringed with mangroves.
<i>Falsistrellus mackenziei</i>	Western False Pipistrelle, Western Falsistrelle	Mammal	✓		Priority 4		Unlikely to be present in the survey area due to absence of suitable habitat. Most records of this species are from Karri forests but also in higher rainfall areas containing Jarrah and Tuart woodlands.
<i>Hydromys chrysogaster</i>	Water-rat, Rakali	Mammal	✓		Priority 4		Unlikely to be present in the survey area. The Water-rat is usually found in permanent fresh or brackish water but can be found in marine environments. Fresh water habitats include swamps, lakes, dams even urban drainage swamps.

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCAs	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
<i>Isoodon fusciventer</i>	Quenda, Southwestern Brown Bandicoot	Mammal	✓		Priority 4		<p>Potentially present in the survey area.</p> <p>Quenda habitat consists of dense scrubby, often swampy vegetation with a dense cover up to 1m high particularly near watercourses and wetlands.</p> <p>Multiple historic records of this species occur within 10 km of the survey area.</p>
<i>Notamacropus irma</i>	Western Brush Wallaby	Mammal	✓		Priority 4		<p>Unlikely to be present in the survey area due to absence of suitable habitat.</p> <p>Optimum habitat for the Western Brush Wallaby includes open Jarrah forest or woodland and seasonally wet flats with low grasses and scrubby thickets, but also areas of mallee and heathland</p>
<i>Pseudomys occidentalis</i>	Western Mouse	Mammal	✓		Priority 4		<p>Unlikely to be present in the survey area due to absence of suitable habitat.</p> <p>The western mouse prefers long unburnt habitat (30-50 years) on sandy clay loam or sandy loam surfaces. Vegetation is variable and includes sparse low shrubland, tall dense shrubland, sparse to dense shrub mallee and mid-dense woodland. Formerly occurred in a diagonal band across south west WA to the western Nullarbor Plain, now confined to Ravensthorpe Range,</p>

TABLE G: CONSERVATION SIGNIFICANT FAUNA

SPECIES	COMMON NAME	CLASS	DATABASE SOURCE		CONSERVATION STATUS		LIKELIHOOD OF OCCURRENCE
			DBCA	PMST	BC ACT (STATE)	EPBC ACT (CTH)	
							Fitzgerald National Park and several smaller reserves in the southern wheatbelt.
<i>Cacatua pastinator</i>	Muir's Corella	Bird	✓		Conservation Dependent		Unlikely to be present in the survey area as this species is rarely seen on the Swan Coastal Plain and is now generally restricted to north of Perth greater region. Muir's Corella lives in woodlands on the drier, eastern side of the main forest block in south-west Australia.
<i>Megaptera novaeangliae</i>	Humpback Whale	Mammal	✓		Conservation Dependent	Vulnerable	Unlikely to be present in the survey area as this species is a marine species.
<i>Phascogale tapoatafa wambenger</i>	South-western Brush-Tailed Phascogale, Wambenger	Mammal	✓		Conservation Dependent		Potentially present in the survey area. This arboreal species is found in a variety of forest types. Ideal habitat for this species consists of dry sclerophyll forest and open woodland (Jarrah, Marri, and mixed Jarrah Karri) that contain hollow bearing trees and sparse ground cover. No Jarrah, Marri or Karri is in the survey area. However, one historic record of this species was recorded 2.8 km north-east of the survey area.

The Atlas of Living Australia was searched using a 5 km buffer from the centre point of the survey area to generate a list of fauna potentially present within the search area. A total of 354 fauna taxa including native and non-native species was identified from the search and includes multiple species which are unlikely to be found in the survey area due to absence of habitat, or because they are marine species (such as whales and fish). The complete list of fauna species is presented in Appendix 6.

Of the 77 conservation significant fauna species identified from the database searches as potentially occurring within 30 km of the survey area, it was considered possible that the following species may be present or have suitable habitat within the survey area:

- Western ringtail possum (*Pseudocheirus occidentalis*);
- Grey Falcon (*Falco hypoleucos*);
- Vasse *Pachysaga* (*Pachysaga strobila*);
- Short-nosed snake (*Elapognathus minor*);
- Masked Owl (*Tyto novaehollandiae*);
- Swan Coastal Plain Shield-backed Trapdoor Spider (*Idiosoma sigillatum*);
- Perth Slider (*Lerista lineata*);
- Quenda (*Isoodon fusciventer*); and
- South-western Brush-tailed Phascogale (*Phascogale tapoatafa wambenger*).

In addition to the above species, the following species may occasionally be found on the beach west of the survey area:

- Greater Sand Plover (*Charadrius leschenaultia*);
- Australian Fairy Tern (*Sternula nereis*); and
- Hooded Plover (*Thinornis rubricollis*).

It is also possible that multiple other conservation significant fauna species may be occasionally seen within the vicinity of the survey area, noting that many of the species identified from the database search are migratory species which may be transient visitors to the general locality and in particular the Wonnerup Estuary System. Other marine species such as the various species of turtles and sea lions may occasionally be sighted on the beach. However, these are likely to be relatively rare occurrences.

4.2.2.2 DBCA Cockatoo Roost, Hollow and Breeding Data

Data provided by DBCA indicates there are five known black cockatoo breeding sites and 12 roost sites within 30 km of the survey area. None of these are situated within the survey area. Two of the confirmed roost sites appear within 10km of the survey area.

4.3 SITE ASSESSMENT

4.3.1 Flora

A total of 25 vascular plant taxa, representing 20 families were recorded within the surveyed area. This included nine (9) native species and 16 non-native species. The total number of species recorded during this survey may not be an accurate estimate due to the survey timing and the survey type. However, the low species diversity is reflective of historic disturbances within the survey area. The native flora recorded included during the survey included the following species:

- *Acacia cochlearis* (Rigid Wattle);
- *Agonis flexuosa* (WA Peppermint);
- *Alyxia buxifolia* (Dysentery Bush);
- *Diplolaena dampieri* (Dampier's Rose);
- *Hardenbergia comptoniana* (Native Wisteria);
- *Hibbertia cuneiformis* (Cutleaf Hibbertia);
- *Lepidosperma pubisquameum*;
- *Lysiandra calycina* (False Boronia); and
- *Scaevola crassifolia* (Thick-leaved fan flower).

The 16 weed species recorded during the flora and vegetation survey were:

- **Arctotheca calendula* (Cape Weed);
- **Asparagus asparagoides* (Bridal Creeper);
- **Brassica tournefortii* (Mediterranean Turnip);
- **Briza maxima* (Blowfly Grass);
- **Echium plantagineum* (Paterson's Curse);
- **Euphorbia paralias* (Sea Spurge);
- **Ferraria crispa* (Black Flag);
- **Lotus subbiflorus* (Hairy Bird's-Foot Trefoil);
- **Medicago polymorpha* (Burr Medic);
- **Pelargonium capitatum* (Rose Geranium);
- **Poaceae sp*;
- **Oenothera drummondii* Hook subsp. *Drummondii* (Beach Evening Primrose);
- **Oxalis pes-caprae* (Soursob);
- **Trachyandra divaricata* (Dune Onion Weed);
- **Vulpia bromoides* (Squirrel Tail Fescue); and
- **Zantedeschia aethiopica* (Arum Lily).

Three of the weed species recorded; *Asparagus asparagoides* (Bridal Creeper), *Echium plantagineum* (Paterson's Curse), and *Zantedeschia aethiopica* (Arum Lily), are identified as 'Declared Pests' on the Western Australia Organism List (WAOL) database which categorises declared organisms under the *Biosecurity and Agriculture Management Act 2007* (BAM Act) (DPIRD 2018). Bridal Creeper is also listed as a Weed of National Significance (WONS).

4.3.2 Vegetation Units

Two broad vegetation units were mapped and described during the field survey (Figure 8). These were:

AfAc: *Agonis flexuosa* open woodland over *Acacia cochlearis* and *Diplolaena dampieri*, with scattered low shrubs of *Alyxia buxifolia*, *Lysiandra calcycina*, climbing vine *Hardenbergia comptoniana*, and *Lepidosperma pubisquameum* sedgeland (Plate A).

Sc Heath: Low scattered scrub heath of *Scaevola crassifolia*, *Hibbertia cuneiformis*, with *Lepidosperma pubisquameum* and *Poaceae* sp. sedge and grasses (Plate B).

PLATE A: VEGETATION UNIT AfAc



PLATE B: VEGETATION UNIT Sc HEATH



4.3.3 Vegetation Condition

Vegetation in the survey area was assessed on a scale of 'Completely Degraded' to 'Pristine' using the Keighery (1994) condition rating system. This scale is, as outlined in EPA (2016) *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment*, as follows:

Pristine:	Pristine or nearly so, no obvious signs of disturbance or damage caused by human activities since European settlement.
Excellent:	Areas of vegetation where no exploration or drill tracks encroach, typically at least 20m distant from tracks.
Very Good:	Disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging and grazing
Good:	Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.
Degraded:	Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds at high density, partial clearing, dieback and grazing.
Completely Degraded:	These areas are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees and shrubs.

The vegetation condition within the survey area was assessed to be Good in most parts and Degraded in some locations, due to the impacts of historic land clearing and the abundance of weeds on the ground cover beneath the tree layer (Plate C), climbing into tree canopies (Plate D) and overwhelming native vegetation along the shoreline (Plate E).

PLATE C: ARUM LILY AND NON-NATIVE *POACEAE* SPECIES WITHIN THE UNDERSTOREY



PLATE D: BRIDAL CREEPER



PLATE E: INVASIVE SPECIES *EUPHORBIA PARALIAS* (SEA SPURGE) SPREAD AMONGST NATIVE *SCAEVOLA CRASSIFOLIA* (THICK-LEAVED FAN-FLOWER)



4.3.4 Conservation Significance of Flora

No threatened or priority native flora species were recorded during the within the survey area. The significant flora species identified in the desktop assessment and database searches are considered unlikely to be present due to historic disturbances within the survey area.

4.3.5 Conservation Significance of Vegetation

The vegetation present within the survey area does not appear to align with any of the descriptions of TECs and PECs provided in the DBCA database search that are listed in Section 4.2.1.4.

4.3.6 Fauna

4.3.6.1 Fauna Habitat Types and Condition

Three broad fauna habitat types were identified during the field survey (Figure 9), these being:

- Peppermint (*Agonis flexuosa*) woodland (within Lot 806) (Plate F);
- Coastal heath (west of Forrest Beach Road) (Plate G); and
- Sandy Beach (west of the coastal heath) (Plate H).

The habitat condition is generally good and would have capacity to support a range of native fauna species that are known to frequent the wider area. It is likely the fauna that uses the habitat within Lot 806 would mostly be relatively common and widespread species, with the exception being the western ringtail possum (discussed further in Section 4.3.6.3).

PLATE F: PEPPERMINT WOODLAND HABITAT



PLATE G: COASTAL HEATH HABITAT



PLATE H: SANDY BEACH HABITAT



4.3.6.2 Fauna Observations

Eight fauna species were observed within the survey area at the time of the field survey as summarised in Table H.

TABLE H: FAUNA SPECIES OBSERVED DURING THE SURVEY

SPECIES	COMMON NAME	CONSERVATION STATUS
<i>Gymnorhina tibicen dorsalis</i>	Australian Magpie	Least Concern
<i>Rhipidura leucophrys</i>	Willie Wagtail	Least Concern
<i>Chenonetta jubata</i>	Australian wood duck	Least Concern
<i>Fulica atra</i>	Eurasian Coot	Least Concern
<i>Tadorna tadornoides</i>	Australian Shelduck	Least Concern
<i>Ocyphaps lophotes</i>	Crested pigeon	Least Concern
<i>Corvus coronoides</i>	Australian raven	Least Concern
<i>Macropus fuliginosus</i>	Western grey kangaroo	Least Concern

Secondary evidence (an old drey) of western ringtail possum was recorded within the northern portion of the survey area (See Section 4.3.6.3).

4.3.6.3 Significant Fauna

A lack of observational data on some species does not necessarily indicate that a species is absent from the survey area or does not utilise the survey area for some purpose at times. Evidence of western ringtail possums within the survey area was recorded during the field survey in the form of an old drey (Plate I) located in the northern portion of the survey area (Figure 3). The drey did not appear to be in use at the time of the survey. No other evidence of the species was recorded; however, the landowner advised that western ringtail possums are sighted on occasions.

The western ringtail possum is protected under both State and Commonwealth environmental legislation.

No evidence of any other fauna species of conservation significance was observed. However, this does not eliminate the potential for some species to still occur, if only infrequently.

PLATE I: OLD DREY OBSERVED IN THE NORTHERN PORTION OF THE SURVEY AREA



5 ENVIRONMENTAL ADVICE

5.1 ENVIRONMENTAL APPROVALS

Project environmental approvals can be split into State and Commonwealth approvals. These are described in further detail below.

5.1.1 Commonwealth Environmental Legislation

The Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) provides the Department of Climate, Change, Energy, the Environment and Water (DCCEEW) the authority to assess an action that may significantly impact a matter of national environmental significance. A significant impact is defined as an impact which is important, notable, or of consequence, having regard to its context or intensity (DoE, 2013).

The EPBC Act applies to 'actions' which:

- have a 'significant impact' on 'matters of national environmental significance';
- are undertaken by Commonwealth government agencies and have a significant impact on the environment anywhere in the world; or
- are undertaken by any person and have a significant impact on Commonwealth land (even if the activity is not actually carried out on the Commonwealth land).

If a proposal fits one of these descriptions, it will be required to be referred to the DCCEEW. If the proposal is not consistent with any of the above descriptions, the environmental impact assessment provisions of the EPBC Act will not apply and there is no need to obtain the approval of the Commonwealth Minister for the Environment (EDO, 2012).

The only MNES identified during the survey was the potential presence of the Western Ringtail Possum, identified via the presence of an old drey. The survey has confirmed that Lot 806 has habitat that is suitable for use by western ringtail possums. The landowner has also confirmed that the species is sighted in the area.

The *Significant Impact Guidelines for the Vulnerable Western Ringtail (Pseudocheirus occidentalis) in the Southern Swan Coastal Plain* (DEWHA, 2009) defines the area within which Lot 806 is situated as 'Supporting Habitat' for the species. The objective for supporting habitat is to improve habitat quality and connectivity to aid dispersal across the coastal plain and hinterland (DEWHA, 2009). The intent is not to stop development in these areas but minimise the loss of habitat and retain as much ecological value as possible (DEWHA, 2009).

A significant impact to western ringtail possum habitat within the supporting habitat area is defined within the guidelines as:

- Clearing in a remnant habitat patch that is greater than 0.5 ha in size;
- Clearing of more than 50% of the remnant habitat patch that is between 0.2 ha and 0.5 ha in size; or
- Fragmentation of existing habitat linkages.

Impacts that are below the above threshold may not require referral under the EPBC Act. However, should clearing thresholds exceed those limits above, an EPBC referral may be required.

5.1.2 State Environmental Legislation

5.1.2.1 Scheme Amendment

It is not known if rezoning of Lot 806 will be required to enable the proposed development of the Site. Amendments to the region and local planning schemes are referred to the Environmental Protection Authority (EPA) for consideration under the *Environmental Protection Act 1986* (EP Act).

Scheme amendments may be subject to a formal environmental assessment (Environmental Review) if the EPA consider the amendment to potentially have a significant impact upon the environment. This takes place prior to the amendment being advertised for public comment. Environmental conditions may be incorporated into the amendment if appropriate. Majority of scheme amendments are not assessed by the EPA. However, the EPA may provide advice in relation to the assessment and management of key environmental matters.

5.1.2.2 Section 38 Referral

A proposal may be referred to the EPA under Section 38 of the EP Act where the proposal may have a significant impact on the environment. Referral under Section 38 of the EP Act can be made by:

- The proponent;
- A decision making authority; or
- A third party.

Referral to the EPA is generally undertaken where a project or proposal is deemed to have a high risk of causing a significant environmental impact. It is Aurora Environmental's view that the proposed development of Lot 806 is unlikely to have a significant impact on the environment as the potential environmental impacts can be managed and mitigated by developing and implementing an environmental management plan to address the potential impacts associated with the planned development.

5.1.2.3 Native Vegetation Clearing Permit

Under Section 51C the EP Act, clearing of native vegetation requires a permit from the Department of Water and Environmental Regulation, 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*. Based on our current understanding of the project requirements, it is unlikely that clearing of native vegetation within Lot 806 would be exempt from requiring a permit. However, it is recommended that a review be conducted against the exemptions be conducted once clearing impacts are defined. The process to obtain a native vegetation clearing permit takes a minimum of four months from the time the application is accepted and validated. This timeframe can be longer depending on information requests from the DWER during the assessment process.

Native vegetation clearing applications are assessed against the "Ten Clearing Principles" to determine whether the proposed clearing is at variance to the Principles. The Ten Clearing Principles aim to ensure that potential impacts of clearing native vegetation are appropriately considered.

5.1.2.4 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. It is our understanding that at the time of preparing this report there have been no ecological communities or critical habitats proclaimed under the Act. However, consultation on the listing of TECs has been undertaken.

Based on the current understanding of the environmental values within Lot 806, no approvals under the BC Act will be required for clearing of native vegetation. However, approvals will be required for any activities associated with the trapping and relocation of western ringtail possums should this be required.

5.2 RECOMMENDATIONS

The following recommendations are provided:

- The proposed development is designed to avoid clearing where possible. If clearing is unavoidable, then avoiding breaks of more than six metres between the canopies of Peppermint trees is recommended.
- If clearing is unavoidable, efforts to minimise and mitigate impacts will be considered beneficial.
- Mitigation measures such as on-site revegetation and weed control within retained areas of remnant native vegetation will be viewed favourably.
- Once clearing requirements have been determined, consider the potential impact to western ringtail possums in the context of Commonwealth guidelines to determine if a referral under the EPBC Act is required.
- Review the state environmental approval requirements once the planning approval framework has been established. At the minimum it is expected that a native vegetation clearing permit application will be required.
- It is recommended that a site environmental management plan is prepared to support future planning applications for the proposed development. The environmental management plan should address all potential impacts of the development and outline how these will be managed and outline on-site mitigation measures such as revegetation and weed control to achieve a net environmental benefit.
- If clearing is required, it is recommended that a qualified zoologist is present during clearing activities to identify western ringtail possums (and other fauna species) and to assist with the capture and relocation of the individuals prior to clearing native vegetation.

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

6 SUMMARY AND CONCLUSIONS

The flora, vegetation and fauna survey resulted in the following findings:

- A total of 25 plant species were recorded during the 2022 survey. This total consisted of nine native species and 16 introduced species.
- No Threatened (Declared Rare) or Priority flora species were recorded within the site.
- Three introduced species (*Asparagus asparagoides* (Bridal Creeper), *Echium plantagineum* (Paterson's Curse), and *Zantedeschia aethiopica* (Arum Lily)) are classified as Declared Pests under the BAM Act 2007.
- *Asparagus asparagoides* (Bridal Creeper) is also listed as a Weed of National Significance.
- Two vegetation units were identified, with one vegetation unit on Lot 806.
- The vegetation was mostly rated in Good to Degraded condition with a relatively low number of native species and an abundance of weeds in the understorey.
- The vegetation units identified within the survey area is not considered to be representative of a TEC or PEC.
- One fauna habitat type was identified within Lot 806 and an additional two fauna habitats was identified to the west of the Site.
- Eight fauna species were observed during the survey of which none were of conservation significance.
- Secondary evidence of the western ringtail possum (a conservation significant species under State and Commonwealth environmental legislation) was recorded during the survey in the form of an old drey in the northern portion of the Site.

The following recommendations are provided:

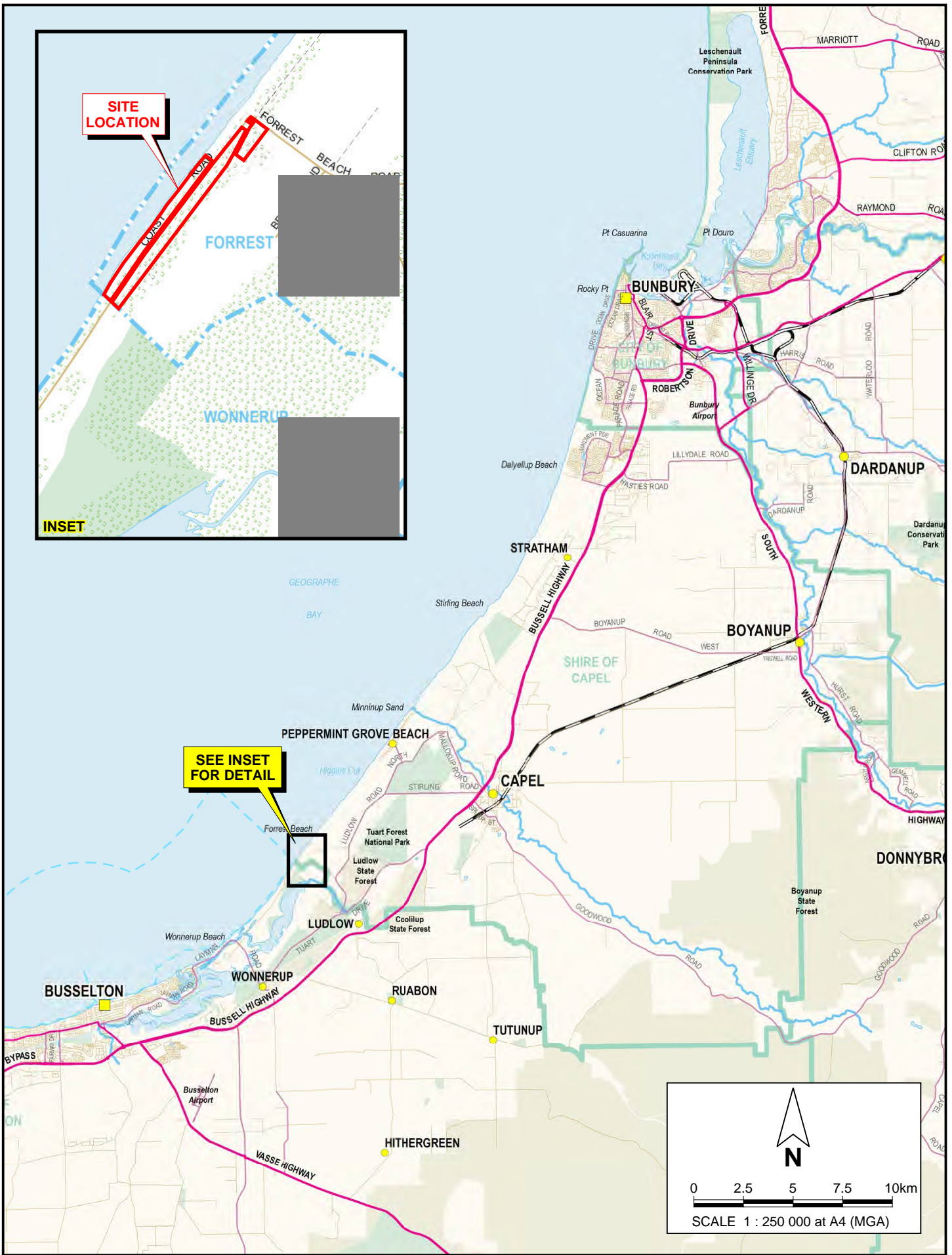
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- If clearing is unavoidable, efforts to minimise and mitigate impacts will be considered beneficial.
- Mitigation measures such as on-site revegetation and weed control within retained areas of remnant native vegetation will be viewed favourably.
- Once clearing requirements have been determined, consider the potential impact to western ringtail possums in the context of Commonwealth guidelines to determine if a referral under the EPBC Act is required.
- Review the state environmental approval requirements once the planning approval framework has been established. At the minimum it is expected that a native vegetation clearing permit application will be required.
- It is recommended that a site environmental management plan is prepared to support future planning applications for the proposed development. The environmental management plan should address all potential impacts of the development and outline how these will be managed and outline on-site mitigation measures such as revegetation and weed control to achieve a net environmental benefit.

- If clearing is required, it is recommended that a qualified zoologist is present during clearing activities to identify western ringtail possums (and other fauna species) and to assist with the capture and relocation of the individuals prior to clearing native vegetation.

7 REFERENCES

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FIGURES



PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_is401.dgn



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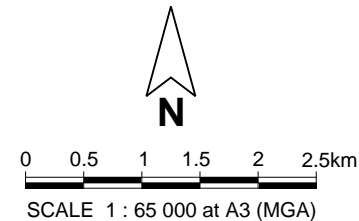
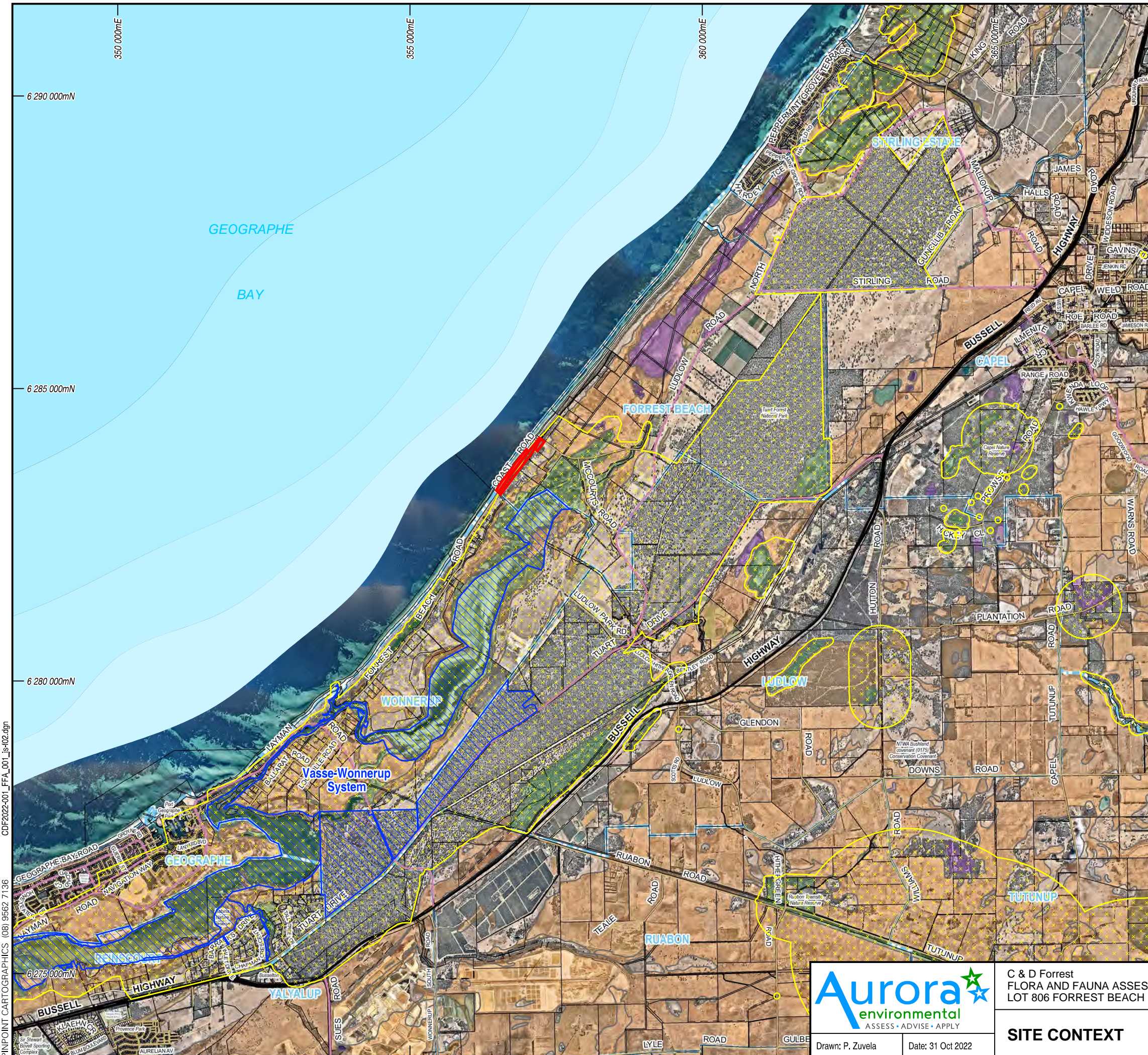
Drawn: P. Zuvela Date: 31 Oct 2022

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 FLORA AND FAUNA ASSESSMENT
 LOT 806 FORREST BEACH ROAD, FORREST BEACH

REGIONAL LOCATION

Figure 1

Job: CDF2022-001



Legend

- Site Boundary
 - Cadastral Boundary
 - Easement Boundary
 - Ramsar Wetland
 - Environmentally Sensitive Area
- Geomorphic Wetlands**
- Conservation Category
 - Resource Enhancement
 - Multiple Use
 - Not Assessed

ESA SOURCE: DWER, August 2022.
 RAMSAR SOURCE: DBCA, October 2022.
 WETLANDS SOURCE: DBCA, August 2022.
 CADASTRAL SOURCE: Landgate, October 2022.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.



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 LOT 806 FORREST BEACH ROAD, FORREST BEACH

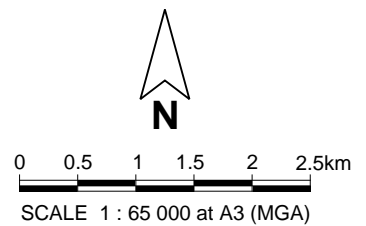
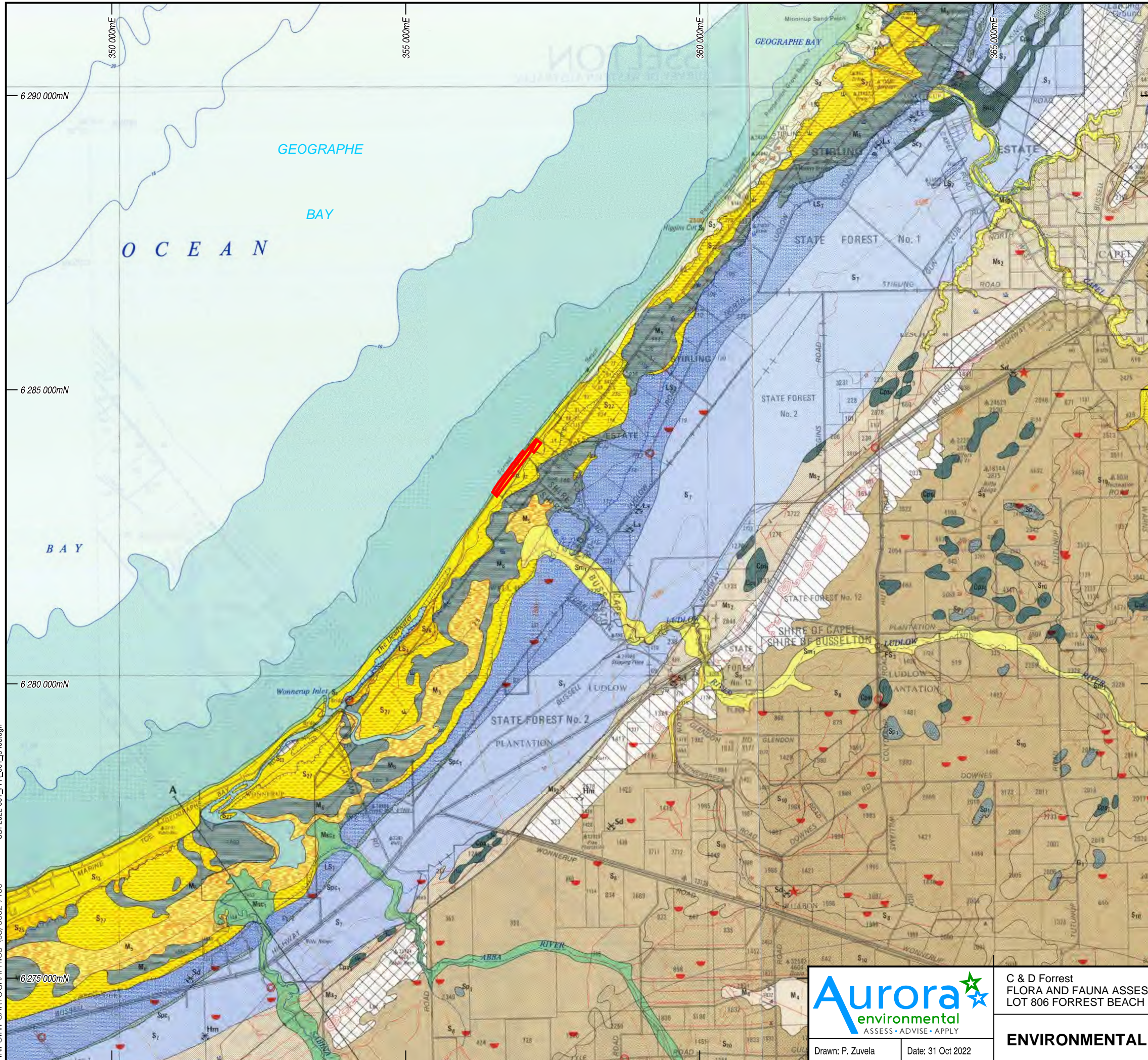
SITE CONTEXT

Drawn: P. Zuvela Date: 31 Oct 2022

Figure 2

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_ls-t02.dgn



Legend
— Site Boundary

Map Unit	Description	Equivalent unit on geological maps
Rock ₇		
Sp ₁	PEATY CLAY – dark grey and soft, variable organic content, variable quartz sand content, of lacustrine origin	Swamp deposits (Dw)
Sp ₂	CLAYEY PEATY SAND – grey to black quartz sand with variable organic content, minor clays, of lacustrine origin	
S ₁	CALCAREOUS SAND – white, fine to medium-grained, sub-rounded quartz and shell debris, of eolian origin	Safety Bay Sand (mobile dunes) (Dm)
S ₂	CALCAREOUS SAND – as S ₁	
S ₁₃	CALCAREOUS SAND – white, medium-grained, rounded quartz and shell debris, well sorted, of eolian origin	Safety Bay Sand (Dm)
ES ₁	LIMESTONE – pale yellowish brown, weakly cemented, friable, medium to coarse-grained, sub-rounded quartz and shell debris, may have layers of very coarse broken shells or mineral sands, of eolian origin	
S ₁₁	CALCAREOUS SAND – as S ₁₃ , modified by estuarine and marine processes	
S ₁₇	CALCAREOUS SAND – overlying estuarine silts – as S ₂₀ as a relatively thin layer over variably thick estuarine silts, grey clays, of estuarine and eolian origin	
M ₂	SILT – brownish grey, calcareous in part, soft, some fine sand and shell debris in places, minor clay content, of estuarine origin	Estuarine deposits (Dq)
M ₃	CALCAREOUS SILT – dark greyish brown silts and minor clays, some organic matter, shells and shell fragments and limestone are locally common	
Sp ₁	PEATY SAND – grey to black, fine to medium-grained, moderately sorted quartz sand, slightly peaty, of lacustrine origin	Swamp deposits (Dw)
Sm ₁	SILTY SAND – strong brown fine to medium-grained, quartz, variable silt content	
Msc ₁	CLAYEY SANDY SILT – pale brown, angular to rounded sand, low cohesion, of alluvial origin	
G ₁	GRAVEL – red-brown gravel set in a silty matrix overlying ironstones, cemented limonitic gravels and coarse sands, of alluvial origin	Alluvium (Dn)
FS	IRONSTONE – red-brown limonitic gravel cemented in a limonite quartz sand matrix, of alluvial origin	
Sm ₂	SILTY SAND – red-brown, fine to medium-grained, angular to rounded sand, quartz, variable silt content, occasional occurrence of psilotic gravels	
Msc ₂	GRAVELLY SILT – ferruginous gravel set in a clay sand mix, of colluvial and residual origin	Colluvium (Dc)
M ₄	SANDY SILT – yellowish brown, tough with variable sand content of fine to medium-grained quartz, traces of gravel in places	
S ₃	SAND – very pale brown medium to coarse-grained, well sorted, little fines, sub-angular to rounded quartz and feldspar, of colluvial origin	
S ₆	SAND – light grey, fine to coarse, angular to sub-rounded quartz with some feldspar, moderately sorted, coarse, of alluvial origin modified by colluvial processes	Colluvial sands (D1)
S ₇	SAND – pale and olive yellow, medium to coarse-grained, sub-angular quartz, moderately sorted, of residual origin modified by marine inundation	Sand derived from Tamesis Limestone (D2)
LS ₁	LIMESTONE – light yellowish brown, fine to coarse-grained, sub-angular to well rounded quartz, shell and corals common, crinoids less common, of marine (reefal and back reefal) origin, often overlain by S ₇	Tamesis Limestone (D3)
S ₈	SAND – very light grey at surface, yellow at depth, fine to medium-grained sub-rounded quartz, local concentrations of heavy minerals, local development of coffee rock, moderately well sorted, of eolian origin	Beesdown Sand (Dpb)
S ₁₀	SAND over SILT and SANDY SILT – sand as S ₄ overlying M ₂ and M ₃	
M ₂	SANDY SILT – strong brown to mid-grey, mottled, blocky, disseminated fine sand, hard when dry, of alluvial origin	
M ₃	SILT – very pale brown silt, soft when moist, firm when dry, low clay content, of alluvial origin	Guildford Formation (Dpa)
S ₁₁	SAND – light grey to yellowish grey, medium-grained, sub-angular to rounded quartz with some feldspar, moderately sorted, of alluvial origin	
S ₁₂	SAND – yellow, fine to medium-grained, sub-angular to rounded quartz with some feldspar, local concentrations of heavy minerals, well sorted, overlying boulder and cobble conglomerates, of alluvial and marine origin	Yoganup Formation (Dpr)
G ₂	GRAVEL – brown and reddish brown, ferruginous, psilotic, occasionally cemented in a clay silt matrix, moderately sorted, of colluvial origin	
LA	LATERITE – massive and cemented, occasionally vesicular, up to c. 4 m in thickness, overlies a zone of mottled and/or pallid clays, sometimes overlain by a ferruginous gravel set in a clay sand matrix	Laterite (Dcl)

GEOLOGY SOURCE: Geological Survey of WA, 1:50 000 Environmental Geology Series.

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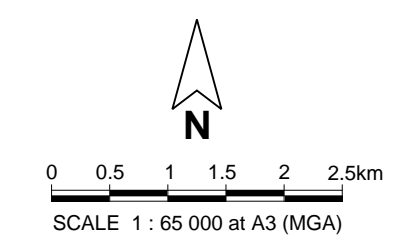
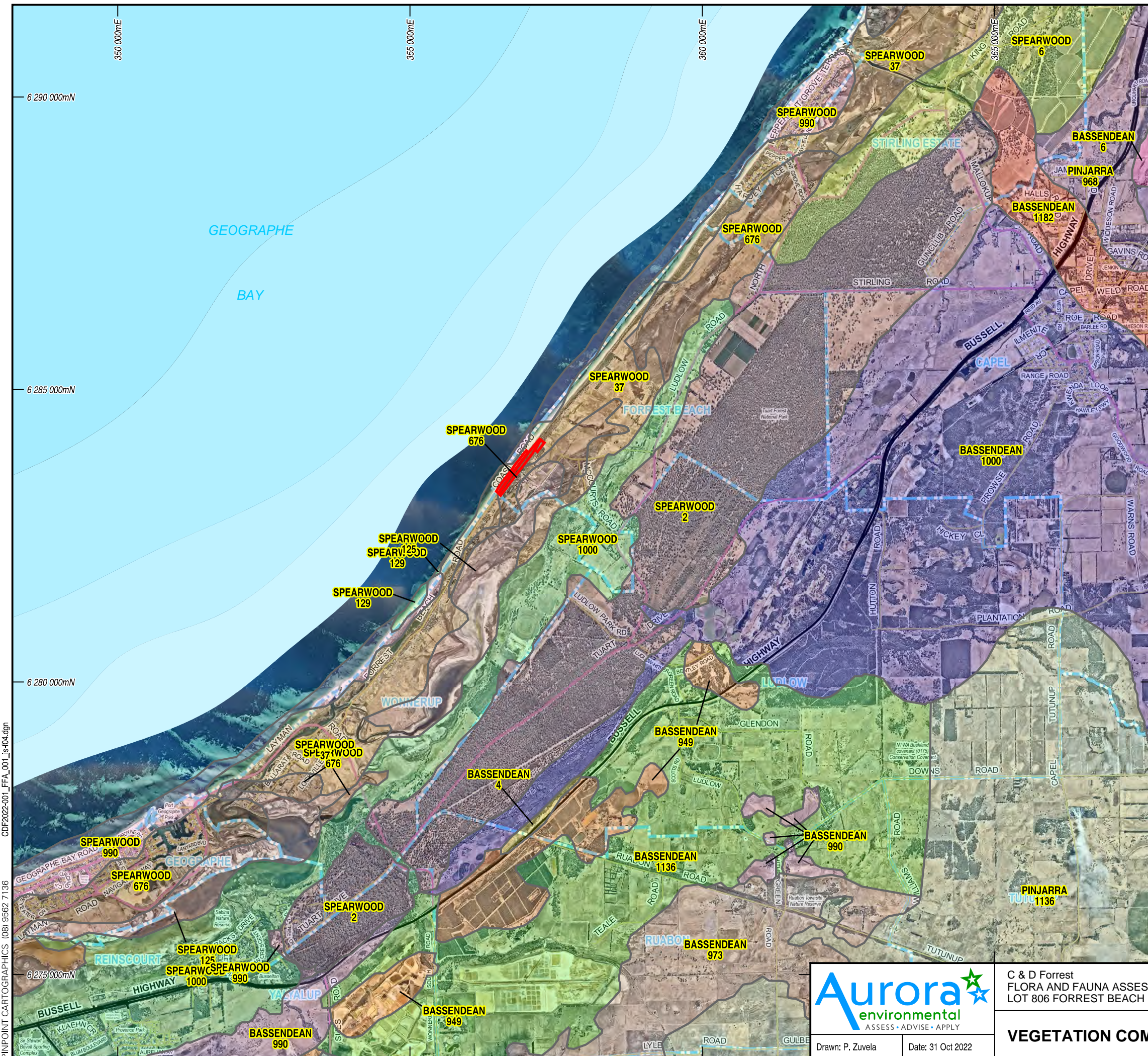
ENVIRONMENTAL GEOLOGY AND SOILS

Drawn: P. Zuvella Date: 31 Oct 2022

Figure 3

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_ls-03.dgn



- Legend**
- Site Boundary
 - Vegetation Type Boundary
 - PINJARRA 968 Vegetation Association

VEGETATION SOURCE: DPIRD, April 2018.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

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Drawn: P. Zuvela Date: 31 Oct 2022

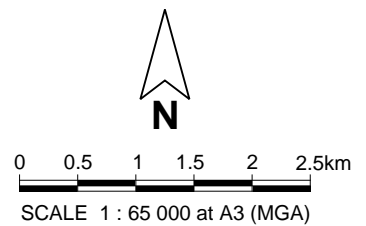
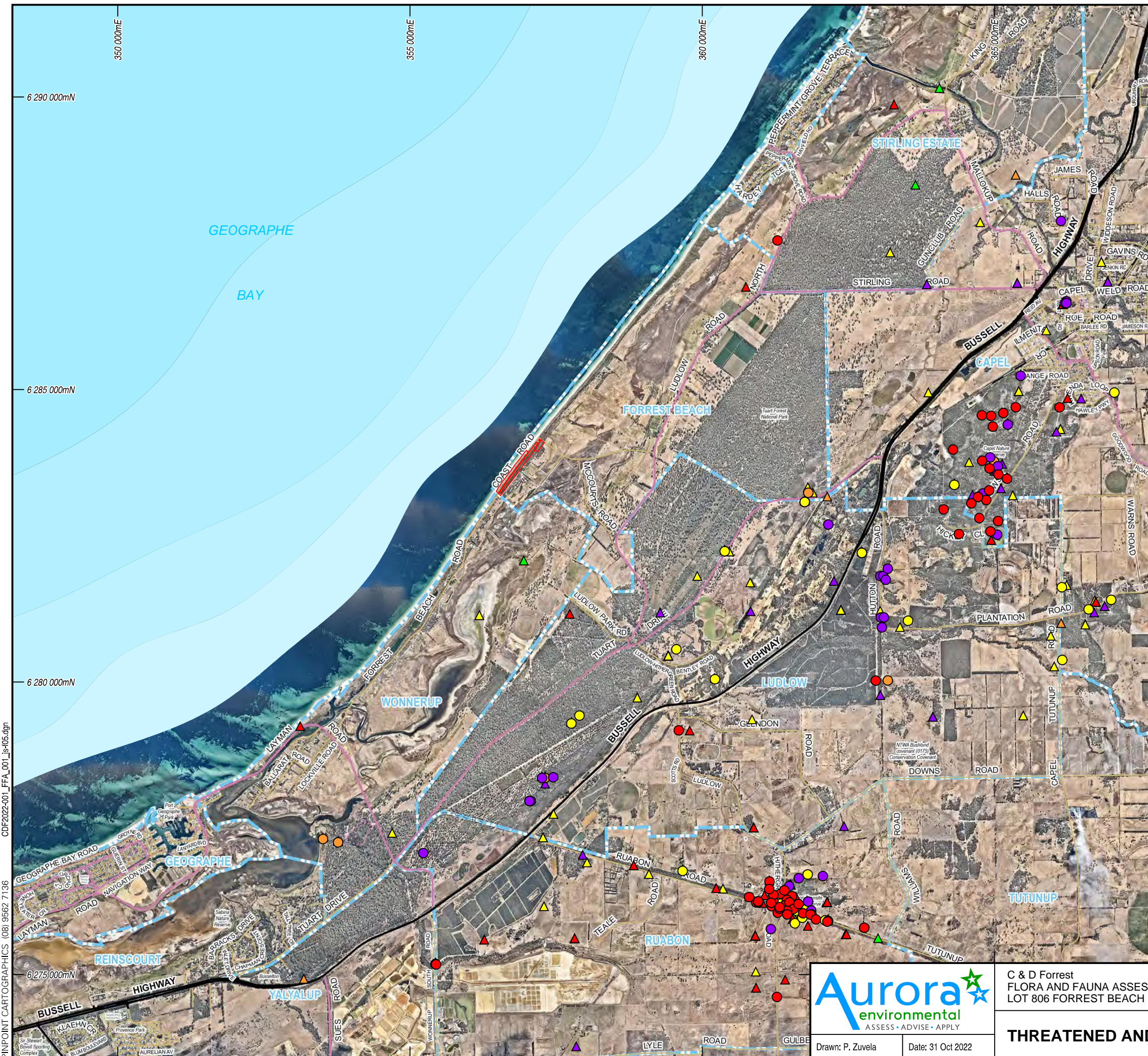
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 LOT 806 FORREST BEACH ROAD, FORREST BEACH

VEGETATION COMPLEXES AND ASSOCIATIONS

Figure 4

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136
 CDF2022-001_FFA_001_is-04.dgn



- Legend**
- Site Boundary
- WA Herbarium Records**
- ▲ Threatened
 - ▲ Priority 1
 - ▲ Priority 2
 - ▲ Priority 3
 - ▲ Priority 4
- TPFL Records**
- Threatened
 - Priority 2
 - Priority 3
 - Priority 4

FLORA RECORDS: DBCA, October 2022.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

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Drawn: P. Zuvela Date: 31 Oct 2022

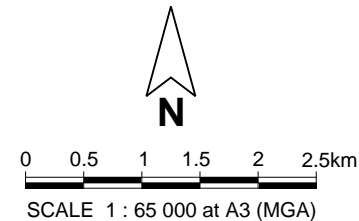
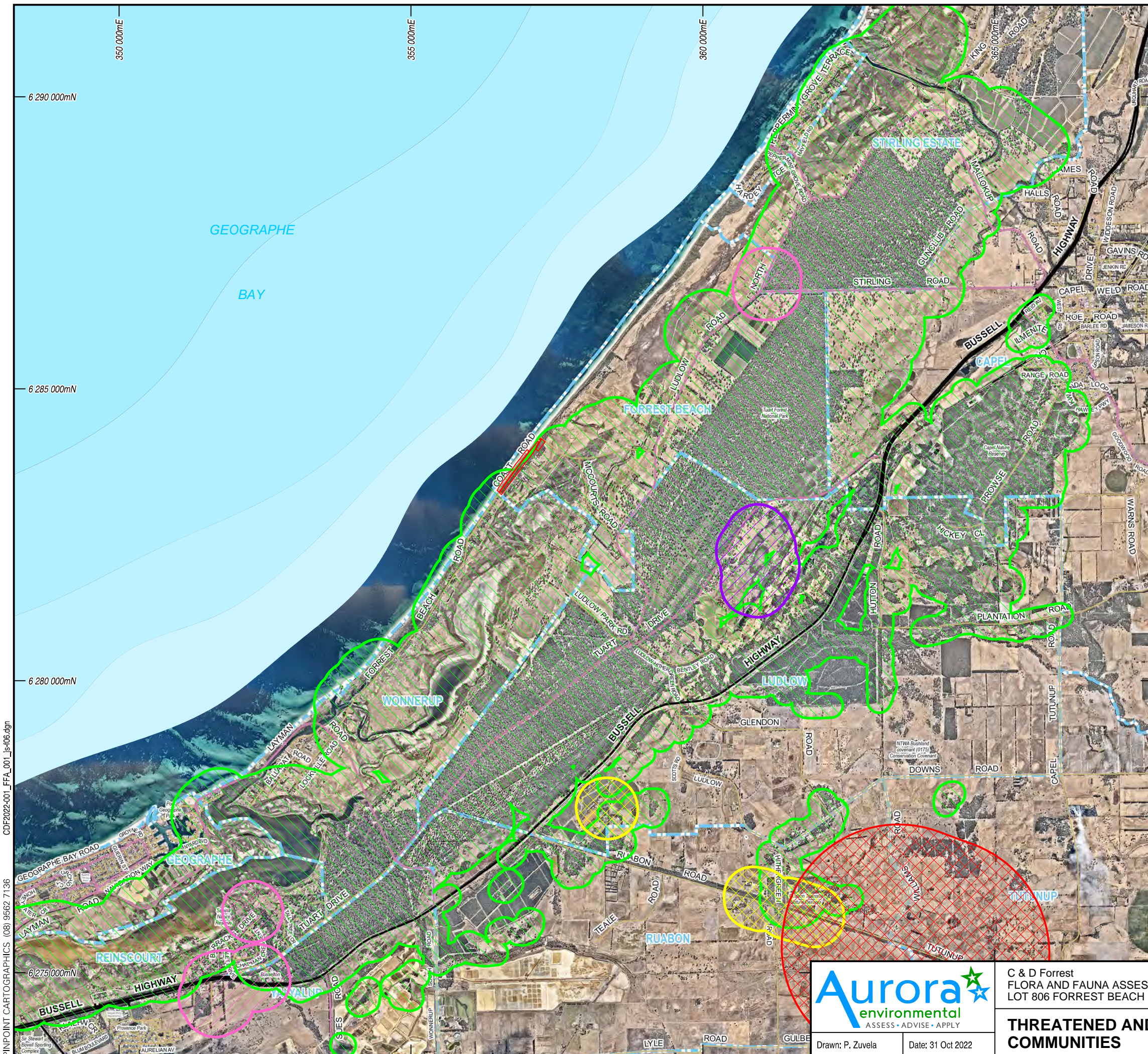
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 LOT 806 FORREST BEACH ROAD, FORREST BEACH

THREATENED AND PRIORITY FLORA RECORDS

Figure 5

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136
 CDF2022-001_FFA_001_is-05.dgn



Legend

— Site Boundary

TEC/PEC

- Critically Endangered
- Endangered
- Priority 1
- Priority 2
- Priority 3

TEC/PEC RECORDS: DBCA, October 2022.
AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

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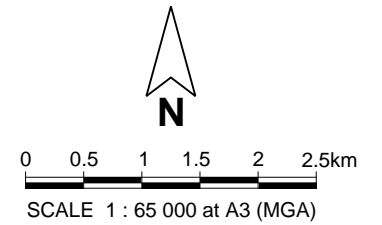
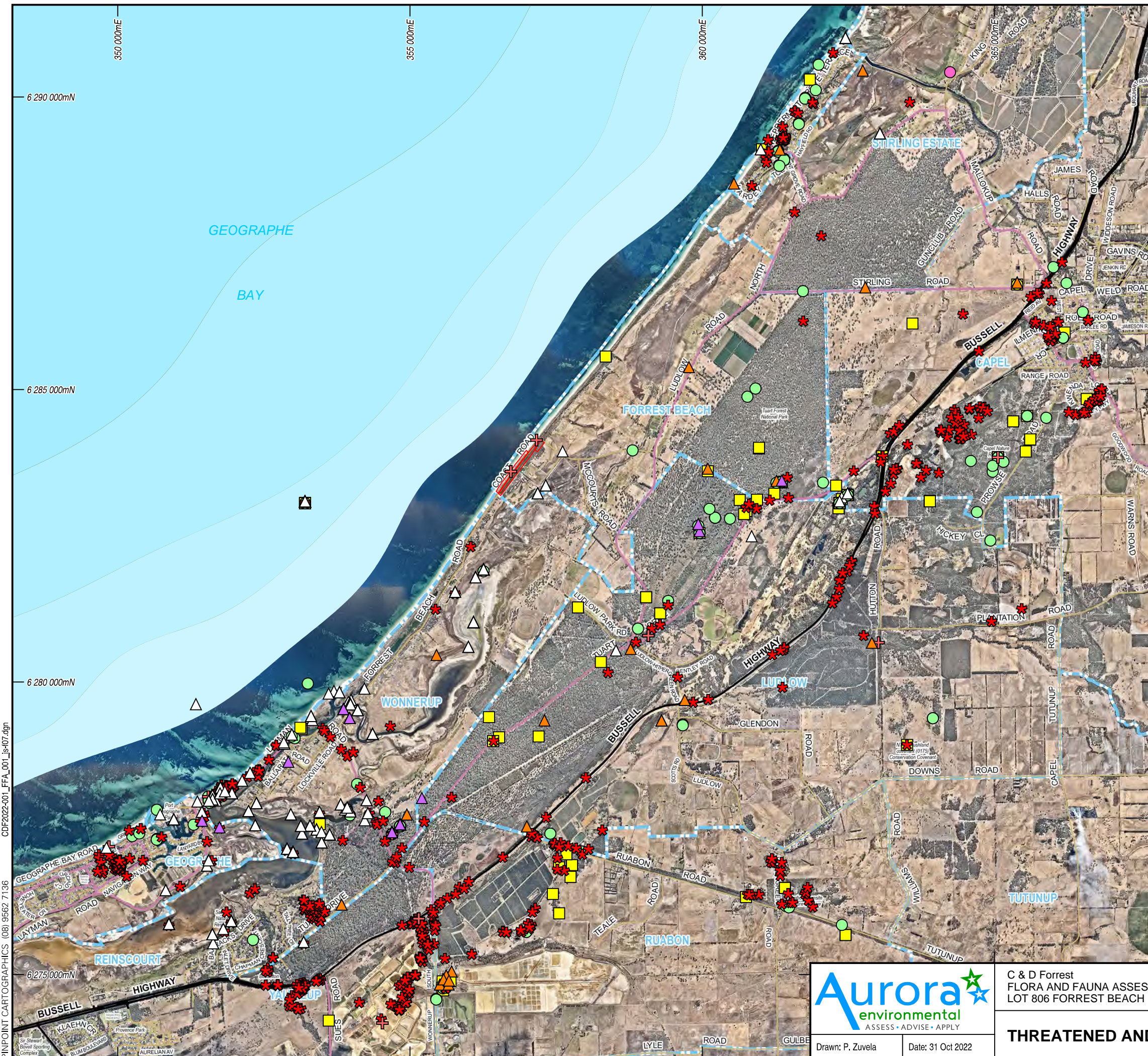
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LOT 806 FORRESTER BEACH ROAD, FORRESTER BEACH

THREATENED AND PRIORITY ECOLOGICAL COMMUNITIES

Figure 6

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_is-106.dgn



Legend

- Site Boundary

- TEC/PEC**
- ★ Critically Endangered Species
- Endangered Species
- + Vulnerable Species
- △ Migratory Species
- ▲ Species of special conservation interest (conservation dependent)
- ▲ Species otherwise in need of special protection (other specially protected)
- Priority 2: Poorly-known species - known from few locations, some on conservation lands
- Priority 3: Poorly-known species - known from several locations
- Priority 4: Rare, Near Threatened and other species in need of monitoring

TEC/PEC RECORDS: DBCA, October 2022.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

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 LOT 806 FORREST BEACH ROAD, FORREST BEACH


THREATENED AND PRIORITY FAUNA

Figure 7

Job: CDF2022-001

PINPOINT CARTOGRAPHICS (08) 9562 7136
 CDF2022-001_FFA_001_is-107.dgn





0 50 100 150 200m
SCALE 1 : 4 000 at A3 (MGA)

Legend

- Site Boundary
- Cadastral Boundary

Vegetation Units

- AfAc**
Agonis flexuosa open woodland over *Acacia cochlearis* and *Diplolaena dampieri*, with scattered low shrubs of *Alyxia buxifolia*, *Lysiandra calcycina*, climbing vine *Hardenbergia comptoniana*, and *Lepidosperma pubisquameum* sedgeland.
- Sc Heath**
 Low scattered scrub heath of *Scaevola crassifolia*, *Hibbertia cuneiformis*, with *Lepidosperma pubisquameum* and *Poaceae* sp. sedge and grasses.
- Sand**
- Cleared**

CADASTRAL SOURCE: Landgate, October 2022.
 AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_is-08.dgn



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 LOT 806 FORREST BEACH ROAD, FORREST BEACH

VEGETATION UNITS

Figure 8

Job: CDF2022-001





0 50 100 150 200m
SCALE 1 : 4 000 at A3 (MGA)

Legend

- Site Boundary
- Cadastral Boundary

Fauna Habitats

- Peppermint (*Agonis flexuosa*) Woodland
- Coastal Heath
- Sandy Beach

CADASTRAL SOURCE: Landgate, October 2022.
AERIAL PHOTOGRAPH SOURCE: NearMap, flown July 2022.

PINPOINT CARTOGRAPHICS (08) 9562 7136 CDF2022-001_FFA_001_is-09.dgn



Drawn: P. Zuvela Date: 31 Oct 2022

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LOT 806 FORREST BEACH ROAD, FORREST BEACH

FAUNA HABITATS

Figure 9

Job: CDF2022-001

APPENDIX 1

WA Herbarium Flora Records (10 km)

Leucopogon sp. Bussellton (D. Cooper 243)	2	Spreading shrub to 60 cm high x 60 cm wide.	Seasonal dampland. Seasonally wet, white sand.	Open Melaleuca preissiana woodland. With Kunzea glabrescens, Acacia extensa, Lyginia imberbis.	ca 30
Leucopogon sp. Bussellton (D. Cooper 243)	2				
Leucopogon sp. Bussellton (D. Cooper 243)	2	Slender, erect shrub to 70 cm; flowers white, in full flower.	Winter wet black sand.	Eucalyptus calophylla woodland.	locally
Leucopogon sp. Bussellton (D. Cooper 243)	2	Slender erect sparsely branched shrub, to 70 cm. Flowers white, in full flower.	Grey sand over clay.	Eucalyptus calophylla, E. marginata woodland.	comm
Leucopogon sp. Bussellton (D. Cooper 243)	2	Low sprawling shrub 40 cm high x 70 cm wide. Plants single stemmed at ground level.	Low flat. Dry - winter wet. Grey sand.	Scrub over low shrubs. Kunzea glabrescens, Pericalymma ellipticum, Hypocalymma angustifolium.	locally
Loxocarya magna	3	Female of 4508. Caespitose, 3-4 ft.	In red pebbly loam.		
Loxocarya magna	3	Male of 4509. Caespitose, 3-4 ft.	In red pebbly loam.		
Loxocarya magna	3	Perennial herb, height 80 cm.	Grey dry sand, disturbed, mining lease. Flat.	Corymbia calophylla, Agonis flexuosa, Daviesia physodes, Hibbertia hypericoides, Kunzea ericifolia subsp. ericifolia, Adenanthos meisneri, Kennedia prostrata, Briza maxima, Bossiaea eriocarpa, Desmodocladus flexuosa, Drosera stolonifera and Xanthorrhoea pr	
Meionectes tenuifolia	3	Prostrate aquatic herb, red/green, in bud.	Weedy roadside ephemeral wetland, soil inundated, no standing water.	Melaleuca overstorey, Drosera spp., Crassula spp., Trifolium, weedy grasses.	occasi
Meionectes tenuifolia	3	Decumbent annual dwarf shrub, height to 10 cm, width to 30 cm; immature fruits present; growing in burnt area.	Wetland; bare white to grey sand; burnt 1999-2000.	Woodland over shrubland.	locally
Meionectes tenuifolia	3	Prostrate herb, flowers brown.	Wet black sandy soil.	With Drosera gigantea.	uncorr
Microtis quadrata	4	Erect herb with tuber, 40 cm high. Greenish flowers.	Rehabilitated mine site area. Grey sand.		
Montia australasica	2	Succulent leaves clonal aquatic herb, to 10 cm x 2/3 m wide. Flowers white, in full flower.	Sand over clay.	Melaleuca raphiophylla woodland.	
Montia australasica	2	Prostrate low spreading herb, approximately 20-30 cm high.	Spearwood sand. Black brown peaty sand. Growing immediately adjacent to wetland and in shallow 1 cm water.	Eucalyptus rudis mid-height woodland over Melaleuca raphiophylla low woodland over Zantedeschia aethiopica, Merntia pulegium open forbland and Juncus microcephala sparse sedgeland over Ranunculus colorum, Crassula natans, Cotula turbinata and Montia au	infrequ
Morelotia australensis	T	Rhizomatous, tufted perennial sedge growing to 0.3 m.	Flat, grey sandy clay loam.	SCP1b - Corymbia calophylla woodlands on heavy soils of the southern Swan Coastal Plain.	partial
Myriophyllum echinatum	3	Minute aquatic herb, alternate linear leaves; fruit covering of long tubercles.	Ephemeral wetland in shallow depressions with little standing water in disturbed area; ca 5 m from roadside.	Melaleuca sp., Crassula spp., Isolepis cernua moderate weeds.	infrequ
Myriophyllum echinatum	3	Annual herb.	Soil: Brown clay over ironstone at depth. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Skeletal soils over ironstone hardpan.	Vegetation: Melaleuca cuticularis Low Woodland A over Astartea aff. fascicularis, Melaleuca uncinata Open Low Scrub A over Halosarcia halocnemoides Open Dwarf Scrub D over Myrocephalus helichrysoides, Brachycome bell. Dense Herbs.	
Olearia strigosa	3				
Olearia strigosa	3				
Ornduffia submersa	4	Tuberous perennial aquatic herb, leaves and flowers floating in water.	In shallow water to 10 cm deep. Grey black clay.	Melaleuca raphiophylla wooded lagoon.	
Pultanea pinifolia	3	Prostrate herb with numerous scapes 30-70 cm high; corolla lobes medium pink with dark pink throat markings and a glandular-hairy throat.	Brown loam. Moist.	Astartea scoparia, Juncus pallidus, Kunzea glabrata, Hypochaeris glabra.	1000's
Schoenus benthamii	3	Caespitose sedge, height to 20 cm, width to 17 cm; immature fruit present.	Wetland; bare grey to white sand.	Woodland over shrubland.	locally
Schoenus benthamii	3	Tufted perennial herb, to 20 cm. Flowers green/brown, in flower.	Brown clay.	Melaleuca raphiophylla low open woodland.	scatte
Schoenus natans	4	Annual submerged aquatic herb, to 20 cm. In full flower.	Black peaty clay.	Melaleuca raphiophylla low woodland.	
Schoenus pennisetis	3	Erect compact annual sedge, height to 17 cm, width to 1 cm; glume red-black; immature fruits present; growing in burnt area.	Wetland; bare white to grey sand; burnt 1999-2000.	Woodland over shrubland.	locally
Schoenus pennisetis	3	Caespitose annual, flowers brown.	Winter wet flats, coarse brown sandy clay over clay.	Dryandra squarrosa heath.	comm
Styidium longitubum	4	Succulent stemmed annual, flowers pink, in full flower.	In shallow claypan, brown clay.	Melaleuca raphiophylla woodland.	
Styidium paludicola	3	Perennial herb with numerous scapes 30-70 cm high; corolla lobes medium pink with dark pink throat markings and a glandular-hairy throat.	Winter-wet flat; grey-black sandy loam.	Melaleuca shrubland with scattered Nuytsia.	locally
Styidium paludicola	3	Tufted herb to 80 cm high, pink flowers.	White/grey sand. Flat topography.	Shrubland	
Styidium paludicola	3	Caespitose tufted herb, 30-40 cm high. Flowers pink.	Winter wet. Black peaty sand over clay.	Melaleuca swamp.	abund
Styidium paludicola	3	Perennial herb 40-60 cm high; corolla lobes bright pink with dark pink markings and a white, glandular-hairy throat.	Winter-wet flat; dark brown clay loam.	Agonis and Melaleuca woodland/shrubland with Dasypogon; weed-infested.	c. 10 p
Synaphea hians	3		Black sand.		
Synaphea hians	3				
Synaphea hians	3	Prostrate shrub from a spreading rootstock, to 50 cm diameter. Flowers yellow, in early flower.	Grey sand over loamy clay.	Eucalyptus marginata woodland.	uncorr
Synaphea petiolaris subsp. simplex	3		On low-lying sandy loam flat.	With Marri, Nuytsia, Banksia grandis, Xanthorrhoea etc.	
Synaphea petiolaris subsp. simplex	3		On low-lying sandy loam flat.	With Marri, Nuytsia, Banksia grandis, Xanthorrhoea etc.	
Synaphea petiolaris subsp. simplex	3		On low-lying sandy loam flat.	With Marri, Nuytsia, Banksia grandis, Xanthorrhoea etc.	
Synaphea petiolaris subsp. simplex	3	Low, erect, spreading shrub. 50 cm high x 30 cm wide. Simple undivided leaves. Flowers yellow. Red flowering rachi (stalks).	Flat. Moist dark brown/orange sand. On old disturbed track beside rail line.	Low Forest A over Heath B with Grevillea diversifolia, Acacia pulchella, Eucalyptus calophylla, Stirlingia latifolia, reed sp., weedy grasses.	
Synaphea petiolaris subsp. simplex	3	Compact perennial dwarf shrub, height to 27 cm, width to 40 cm; flowers yellow; immature fruits present; deep tap root.	Wetland; bare white to grey sand; burnt 1999-2000.	Woodland over shrubland.	
Synaphea petiolaris subsp. simplex	3	Clumped sub-shrub, 30 x 50 cm. Inflorescences greatly exceeding leaves, but spreading (late flowering stage). Leaves simple, but a couple 2-lobed. Flowers yellow, oriented somewhat horizontally with adaxial tepal angled. Apices of tepals scarcely reflexe	Wet depression. Grey-light brown wet clayey sand.	Wet depression at edge of wet shrubland of Melaleuca, Grevillea and Restionaceae species, plus a high density of grassy weeds. Growing immediately next to a plant of Synaphea petiolaris subsp. triloba and near plants of S. petiolaris subsp. ?	rare
Synaphea petiolaris subsp. simplex	3	Decumbent shrub.	Brown clay over ironstone at depth. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Skeletal soils over ironstone hardpan.	Melaleuca cuticularis Low Woodland A over Astartea aff. fascicularis, Melaleuca uncinata Open Low Scrub A over Halosarcia halocnemoides Open Dwarf Scrub D over Myrocephalus helichrysoides, Brachycome bell. Dense Herbs.	
Synaphea petiolaris subsp. simplex	3		On low-lying sandy loam flat.	With Marri, Nuytsia, Banksia grandis, Xanthorrhoea etc.	
Tetralthea parvifolia	3	Pink flowers.			
Thelymitra variegata	2				
Thysanotus glaucus	4	Caespitose perennial herb.	Soil: Grey sand. Topography/drainage: Well drained gentle W facing slope. Geomorphology: Bassendean sands.	Vegetation: Eucalyptus marginata Low Forest A over Acacia extensa Low Scrub B over Hibbertia hypericoides, H. racemosa Low Heath D over Dasypogon bromeliifolius, Phlebocarya ciliata Very Open Herbs.	
Tripterococcus sp. Brachylobus (A.S. George 14234)	4		Plain; negligible slope and aspect. Grey sand with pale yellow sand at depth. Fire age: +10 years.	Parkland cleared Banksia attenuata and Agonis flexuosa, low open woodland over mixed grass-herbland of weed species dominated by Briza maxima and Hypochaeris glabra on grey sands.	
Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Slender erect perennial from a rootstock to 1 m. Flowers yellow-green, in full flower.	Black sand over clay.	In burnt Melaleuca mixed shrubland.	locally
Tripterococcus sp. Brachylobus (A.S. George 14234)	4	Last flowers, faint sickly sweet odour; petals fleshy, golden yellow; tiny scale leaves, terete green stems to 85 cm tall.	Flat terrain grey sand.	In Kunzea ericifolia, Banksia attenuata, Agonis flexuosa, Jarrah low woodland A over Melaleuca thuyoides scrub and Phlebocarya herbs.	uncorr
Verticordia attenuata	3	Perennial shrub.	Flat (edge of wetland). Brown sandy loam.	Melaleuca and myrtaceous shrubland over Astartea scoparia over herb/sedgeland of Cyperus tenellus, Schoenus sculptus, Cicendia filiformis, S. odontocarpus, S. plumosus, Aphelia cyperoides and Isolepis cernua subsp. setiformis.	2 mats
Verticordia attenuata	3	Low shrub.	In sand.		
Verticordia attenuata	3	Upright shrub, 90 x 40 cm. Flowering.	Plain. Leaf litter. Grey sand.	Marri woodland.	
Verticordia attenuata	3	Upright, spindly shrub. Pale mauve flowers, appear fluffy.	Flat becoming swampy. Dry white sand. Degraded roadside/swamp boundary.	Open tall roadside grass, becoming tree mallee.	
Verticordia attenuata	3	Upright, spindly shrub. Pale mauve flowers, appear 'fluffy'. Past peak of flowering.	Flat plain. Open dry white sand.	Roadside Open Low Woodland A. Jacksonia sp., Conostylis, Baeckea, Agonis flexuosa, Nuytsia floribunda, weedy grasses.	
Verticordia attenuata	3	Upright, open and straggly shrub. 1.00 m x 40 cm. Pale mauve flowers, nearing end of peak.	Plain. Dry grey sand.	Open Jarrah woodland.	
Verticordia attenuata	3	Slender erect shrub 1-1.5 m. Flowers pink, in flower.	Winter wet depression. Black peaty sand over clay.	Eucalyptus calophylla open woodland over Melaleuca preissiana low woodland over dense shrubland of Pericalymma ellipticum.	uncorr
Verticordia attenuata	3	Spindly plants to 80 cm. Pink-purple flowers.	Flat plain. Fine white sand over alluvial sands.	Heathland. With Adenanthos, Anigozanthos sp., Banksia grandis, Corymbia calophylla, E. marginata, Regelia inops, sedges, Xanthorrhoea.	500+ p
Verticordia attenuata	3	Perennial shrub, 0.5 m high x 0.5 m wide. Pink flowers. Reproductive method: seeds.	Plain. Reserve. Capel Nature Reserve. White sand.	Low trees and shrubland with Banksia littoralis, Xylomelum occidentale, Calytrix flavescens, Hibbertia hypericoides, Xanthorrhoea preissii.	one or
Verticordia attenuata	3				
Verticordia attenuata	3		Swamp, grey clay-sand.	Pericalymma ellipticum var. ellipticum, Melaleuca preissiana, Kunzea glabrescens, Evandra pauciflora, Leptocarpus laxus, Hypocalymma angustifolium, Lyginia imberbis.	
Verticordia attenuata	3	Shrub 90 cm x 30 cm. Flowers mauve-ish-pink fading to white.	White sand in paperbark swamp subject to flooding.	In paperbark swamp.	
Verticordia attenuata	3	Shrub 1 m x 60 cm. Flowers pink to purple.	Grey sand. Growing on road verge.	Amongst other shrubs.	
Verticordia attenuata	3	Spindly plants to 60 cm.	Road verge. Flat to gently sloping plain. Grey sandy loam. Parent material: alluvial sands ?	Eucalyptus gomphocephala, Nuytsia floribunda, grasses, Pinus sp.	
Verticordia attenuata	3	Spindly plants to 80 cm.	Flat plain. Fine pale grey sand, pH: 6.0. Parent material: alluvial sands ?	Heathland with Grasses, Melaleuca sp., sedges.	
Verticordia attenuata	3	Shrub to 70 cm with pink flowers.	In sand along railway.	With scrub.	
Verticordia attenuata	3	Perennial shrub 0.5 m high x 0.6 m wide. Pink flowers. Reproductive method: seeds.	Plain. Road verge. White sand.	Low shrubland with Melaleuca lateritia, Taxandria paniceps, Leptospermum erubescens.	2-5 pl
Verticordia attenuata	3				
Verticordia attenuata	3	Upright shrub >40 cm.	dyALS.		
Verticordia densiflora var. pedunculata	T	Annual, erect, open shrub 0.6 m high x 0.2 m wide. Pink flowers. Reproductive method: seeds.	Plain. Reserve. White dry sand.	Low shrubland, open area. Xanthorrhoea preissii, Stirlingia latifolia, Nuytsia floribunda.	6-20 p
Verticordia densiflora var. pedunculata	T	Open, upright, straggly shrub. Flowers more orange pink and slightly more 'shaggy'. Long peduncles >6 mm.	Plain. Dry, wet in winter. Brown sandy clay. Beside rail line in reserve.	Low Heath C. With three other species of Verticordia.	
Verticordia densiflora var. pedunculata	T	Erect to spreading shrub; 0.3-0.6 m high; flowers pink, white, Dec-Jan.			
Verticordia densiflora var. pedunculata	T				
Verticordia densiflora var. pedunculata	T	Upright, spindly, corymbose shrub. Pale pink to faded pink flowers. Peduncles 6-9 mm long, tufts at base, some flower heads dense, others open.	Plain. Dry (?moist in winter) grey sand.	Low Heath C. surrounded by E. calophylla woodland. Sedges, Melaleucas, Daviesia, Banksia, Jacksonia.	
Verticordia densiflora var. pedunculata	T	Erect multibranched shrub, 30-60 cm x 20 cm. Pale to dark pink flower, peduncles at least 6 mm long, tufted at base.	Dry, organic littered cover. Grey-white sand.	Low Woodland A, to open low scrub. Viminaria, Nuytsia, Xanthorrhoea, Marri.	
Verticordia densiflora var. pedunculata	T				
Verticordia densiflora var. pedunculata	T				
Verticordia lindleyi subsp. lindleyi	4	Erect open low shrub to 0.6 m by 0.3 m.	Dry Flat; brown silty sand and well drained.	Associated species: Eucalyptus calophylla.	
Verticordia plumosa var. vassensis	T	Small upright woody shrub 25 cm x 15 cm. Lignotuber with several slender stems arising, these have small branchlets all along their length from the base. Few old faded white flowers.	Relatively flat, low lying and very wet in winter. Yellowish grey sandy clay loam.	Disturbed low mixed shrubland of Hypercalymma, Pericalymma etc. and some Kingia australis.	
Verticordia plumosa var. vassensis	T	Small upright woody shrub 25 cm x 15 cm. Lignotuber with several slender stems arising, these have small branchlets all along their length from the base. Few old faded white flowers.	Relatively flat, low lying and very wet in winter. Yellowish grey sandy clay loam.	Disturbed low mixed shrubland of Hypercalymma, Pericalymma etc. and some Kingia australis.	
Verticordia plumosa var. vassensis	T	Erect shrub 0.8m.	Soil: Brown clay over ironstone at depth. Topography/drainage: Seasonally wet poorly drained flat. Geomorphology: Skeletal soils over ironstone hardpan.	Vegetation: Melaleuca cuticularis Low Woodland A over Astartea aff. fascicularis, Melaleuca uncinata Open Low Scrub A over Halosarcia halocnemoides Open Dwarf Scrub D over Myrocephalus helichrysoides, Brachycome bell. Dense Herbs.	
Verticordia plumosa var. vassensis	T	Shrub 60 cm high, flowers pink.	Swampy area.	With shrubland of Melaleuca spp., Viminaria juncea.	
Verticordia plumosa var. vassensis	T	Upright multi stemmed shrub. 70 cm x 80 cm. Pale lilac flowers.	Disturbed roadside near drainage line (plain). Winter wet. Brown/grey sand. Very degraded road verge, near culvert, beside fence.	Herbs (weedy), sedge, weedy grasses.	one pl
Verticordia plumosa var. vassensis	T	Upright, multistemmed shrub, bright pale mauve flowers.	Grey sand.	Weedy grasses, Viminaria.	
Verticordia plumosa var. vassensis	T		Sandy gravel roadside.		
Verticordia plumosa var. vassensis	T	Perennial, erect, compact shrub 0.8 m high x 0.3 m wide. Pink/purple flowers. Reproductive method: seeds.	Watercourse. Reserve. White dry sand.	Melaleuca sp., Calothamnus sp., Stirlingia latifolia, Mesomelaena tetragona.	2-5 pl
Verticordia plumosa var. vassensis	T	Dwarf shrub 450 mm high. Spreading but dense, flowers pink.	Low area on very gently undulating plain, yellow clayey sand.	Heath. Pericalymma elliptica, Isopogon formosus, Kingia, Leptocarpus sp.	
Verticordia plumosa var. vassensis	T	Shrub to 1 m. Flowers pink fading to white.	Plain. Soil: brown grey clay loam.	Open areas amongst dense shrubland. Associated species: Hakea sp., Kunzea sp., Melaleuca spp., Verticordia densiflora.	>200 p
Verticordia plumosa var. vassensis	T	Shrub to 1 m. Flowers pink fading to white.	Plain. Soil: Brown grey clay loam.	Open areas amongst dense shrubland. Associated species: Kunzea sp., Melaleuca spp., Hakea sp., Verticordia densiflora.	>200 p
Verticordia plumosa var. vassensis	T	Spreading shrub 60 cm tall.			

APPENDIX 2

Threatened and Priority Flora Records (10 km)

Taxon	ConsStatus	WARank	District	HabNotes	Soil Condition	Landform	SoilType	SoilColor	Drainage	Aspect	AssSpecies
Acacia benthamii	2		BLACKWOOD	Glabrous new shoots, dense heath. 2 plants. Herbarium Record Only.							Regelia ciliata, Kunzea micrantha, Pericalymma ellipticum
Acacia flagelliformis	4		BLACKWOOD	Growing in white sandy loam in a swampy area. In dense vegetation with Acacia pulchella and A.diptera.	MOIST	OD_SWAMP	LOAM_SND	WHITE			Acacia pulchella, Acacia diptera.
Acacia flagelliformis	4		BLACKWOOD	In dense heath A with taller emergents over dense heath B; also extending into low forest A.	MOIST	FL_PLAIN	LOAM_SND	BROWN			Hakea ceratophylla, Hakea varia, Hakea ruscifolia, Acacia extensa, Regelia ciliata, Pericalymma elliptica, Melaleuca lateriflora, Leptocarpus scariosus,
Acacia semitrullata	4		BLACKWOOD	Occurs in low woodland of Jarrah over shrub species over low heath over ground cover of grasses and sedges	DRY	FLAT	SAND	WHITE			Eucalyptus marginata, Corymbia calophylla, Banksia grandis, B. ilicifolia, B. attenuata, Nuytsia floribunda, Xanthorrhoea preissii, Casuarina humilis,
Acacia semitrullata	4		BLACKWOOD	In low-grey loam over sandy clay. In a low Marri woodland.			CLA_LOAM	GREY			Corymbia calophylla (Marri).
Acacia semitrullata	4		BLACKWOOD	In peaty sand over clay, in seasonally wet poorly drained flat. Holocene swamp deposits.		OD_SWAMP	PEAT	BROWN	SEASINUN		Pericalymma ellipticum, Adenanthos obovatus, Hypocalymma angustifolium, Evandra pauciflora, Anarthria prolifera.
Adelphacme minima	3		BLACKWOOD		MOIST	OD_SWAMP	SAND	GREY			Nuytsia, Paperbark
Amperea micrantha	2		BLACKWOOD	DomHab:Banksia/Jarrah low open woodland		RI_DUNE	SAND	GREY			
Aponogeton hexatepalus	4		BLACKWOOD	Pasture for grazing. Has been cultivated & hay crops grown in past.	MOIST	OD_SWAMP	LOAM	BROWN			MELALEUCA
Aponogeton hexatepalus	4		BLACKWOOD	Eucalyptus rudis, Juncus sp., M.preissiana, Pultenaea sp, sedges. Leptocarpus canus.		OD_SWAMP	CLA_LOAM	BROWN	PERMINUN		Triglochin procerum, Eucalyptus calophylla, Melaleuca ?preissiana, Viminaria
Aponogeton hexatepalus	4		BLACKWOOD	Herbaceous layer:mixed grasses, Stylidium species, sedges, intro. thistle. Eutaxia		OD_SWAMP	CLA_LOAM	BROWN	PERMINUN		Melaleuca raphiophylla, Viminaria juncea, Melaleuca incana, Melaleuca
Aponogeton hexatepalus	4		BLACKWOOD	Rushes and grasses. Shallow temporary ponds 20-40 cm deep.		OD_SWAMP	CLA_LOAM	BROWN	PERMINUN		Triglochin, Viminaria juncea, Melaleuca raphiophylla, Viminaria juncea
Aponogeton hexatepalus	4		BLACKWOOD	Synaphea species, Villarsia sp., Triglochin procerum, sedges.	MOIST	OD_SWAMP	LOAM				Melaleuca raphiophylla, Leptospermum ellipticum, Hakea varia, Melaleuca
Aponogeton hexatepalus	4		BLACKWOOD	Synaphea species, Villarsia sp., Triglochin procerum, sedges.	MOIST	OD_SWAMP	LOAM				Melaleuca raphiophylla, Leptospermum ellipticum, Hakea varia, Melaleuca lateritia
Aponogeton hexatepalus	4		BLACKWOOD	Low lying winter wet depression. Pasture grasses.	MOIST	OD_SWAMP	LOAM	BROWN			
Aponogeton hexatepalus	4		BLACKWOOD	Synaphea species, Villarsia sp., Triglochin procerum, sedges.	MOIST	OD_SWAMP	LOAM				Melaleuca raphiophylla, Leptospermum ellipticum, Hakea varia, Melaleuca
Aponogeton hexatepalus	4		BLACKWOOD	Synaphea species, Villarsia sp., Triglochin procerum, sedges.	MOIST	OD_SWAMP	LOAM				Melaleuca raphiophylla, Leptospermum ellipticum, Hakea varia, Melaleuca lateritia
Aponogeton hexatepalus	4		BLACKWOOD	Low lying winter wet depression. Pasture grasses.	MOIST	OD_SWAMP	LOAM	BROWN			
Aponogeton hexatepalus	4		BLACKWOOD			OD_SWAMP	SAND	GREY	SEASINUN		
Aponogeton hexatepalus	4		BLACKWOOD		MOIST		SND_CLAY				Melaleuca lateritia, Juncus kraussii, Viminaria juncea
Aponogeton hexatepalus	4		BLACKWOOD		MOIST						Melaleuca preissiana, Melaleuca raphiophylla
Aponogeton hexatepalus	4		BLACKWOOD								
Aponogeton hexatepalus	4		BLACKWOOD	Dried up lagoon.	DRY	CD_LAGN	CLAY				Villarsia submersa, Aponogeton hexatepalus, Melaleuca raphiophylla
Aponogeton hexatepalus	4		BLACKWOOD	DomSp: Melaleuca sp., Reeds		FL_PLAIN	SAND		SEASINUN		Pericalymma ellipticum
Aponogeton hexatepalus	4		BLACKWOOD	DomSp: Weedy sp., Reed sp., Melaleuca sp.	INUNDATE	OD_DRGLN					
Banksia meisneri subsp. ascendens	4		BLACKWOOD	Edges winter wet flat. Sand over clay. Melaleuca/Banksia dense heath.		FLAT	CLAY_SND		SEASINUN		Melaleuca, Banksia
Banksia nivea subsp. uliginosa	T	EN	BLACKWOOD				SAND				
Banksia nivea subsp. uliginosa	T	EN	BLACKWOOD	Viminea juncea, Melaleuca sp., Watsonia sp., Bridal Creeper, Arum Lily		FLAT	SAND	WHITE			Allocasuarina humilis, Nuytsia floribunda, Eucalyptus calophylla, Pericalymma elliptica
Blennospora doliformis	3		BLACKWOOD			FL_PALU	CLAY	BROWN	SEASINUN		Melaleuca cuticularis, Astartea fascicularis, Melaleuca uncinata
Blennospora doliformis	3		BLACKWOOD			FL_PALU	CLAY	GREY	SEASINUN		Melaleuca viminea
Boronia anceps	3		BLACKWOOD	Low woodland. Astartea sp., Pericalymma sp., sedges.		FL_PALU	CLAY_SND	GREY			Kunzea ericifolia, Melaleuca preissiana
Boronia anceps	3		BLACKWOOD	Open woodland over shrubland. Melaleuca sp.	DRY	FL_PLAIN	SAND	WHITE			Pericalymma spongiocaula
Boronia anceps	3		BLACKWOOD	Shrubland-heath. Kunzea sp.	INUNDATE	OD_SWAMP	CLAY_SND	BROWN			Pericalymma ellipticum, Melaleuca preissiana, Hypocalymma angustifolium, Astartea fascicularis
Caladenia busselliana	T	CR	BLACKWOOD	Eucalyptus gomphocephala woodland over Agonis flexuosa and dense herbfields.			LOAM_SND	GREY			
Caladenia huegelii	T	CR	BLACKWOOD		MOIST	FLAT	SAND	WHITE			Kunzea glabrescens, Caladenia flava, Burchardia congesta, Elythranthera brunonis
Caladenia huegelii	T	CR	BLACKWOOD		MOIST	FLAT	SAND	WHITE	WLL_DRND		Banksia littoralis, Agonis flexuosa, Kunzea glabrescens
Caladenia huegelii	T	CR	BLACKWOOD		MOIST	FL_PLAIN	SAND	WHITE			Kunzea glabrescens, Caladenia flava, Banksia attenuata, Burchardia congesta
Caladenia speciosa	4		BLACKWOOD			RI_DUNE	SAND	GREY			
Caladenia speciosa	4		BLACKWOOD			RI_DUNE	SAND	GREY			

Caladenia speciosa	4		BLACKWOOD			OD_SWAMP	SAND	GREY			Eucalyptus calophylla, Eucalyptus marginata
Cardamine paucijuga	2		BLACKWOOD	Eucalyptus rudis woodland.			SAND				
Cardamine paucijuga	2		BLACKWOOD	Eucalyptus rudis woodland over Melaleuca raphiophylla.			CLAY_SND	BLACK			
Cardamine paucijuga	2		BLACKWOOD	Tall shrubland		FLAT	CLAY_SND	BLACK	SEASINUN		Melaleuca viminea
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD	Isopogon formosus subsp. dasylepis, Calothamnus lateralis subsp. lateralis, Grevillea mongelesioides, Melaleuca osullivani, Kingia australis, Acacia flagelliformis	MOIST	FLAT	SND_LOAM	GREY	SEASINUN		Viminaria juncea, Kunzea recurva, Hakea, Isopogon dubius
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD	Calothamnus lateralis subsp. lateralis, Grevillea mangleioides, Melaleuca osullivani, Kingia australis, Acacia flagelliformis	MOIST	FLAT	SND_LOAM	BROWN	SEASINUN		Viminaria juncea, Kunzea recurva, Hakea sp., Isopogon formosus subsp. dasylepis
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD	Becoming degraded in places due to heavy weed and rabbit invasion	DRY	FLAT	CLAY_SND	BROWN	SEASINUN		Kunzea micrantha, Isopogon formosus subsp. dasylepis, Kunzea glabrescens, melaleuca raphiophylla, Kingia australis, Calothamnus lateralis subsp. lateralis
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD		DRY	FLAT	SAND	BROWN	SEASINUN		Kunzea micrantha, Isopogon formosus subsp. dasylepis, Kingia australis, Calothamnus lateralis subsp. lateralis
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD	Completely degraded Banksia woodland previously cleared	MOIST	OD_RIVER		GREY	WLL_DRND		
Chamelaucium sp. S coastal plain (R.D.Royce 4872)	T	VU	BLACKWOOD	[No habitat information recorded for this location.]							
Chordifex gracilior	3		BLACKWOOD	Bacteria australis, Restio ustulatus, Anarthria laevis.			CLAY_SND	BROWN	SEASINUN		Pericalymma ellipticum, Kunzea, Hypocalymma ericifolium, Patersonia occidentalis
Drakaea elastica	T	CR	BLACKWOOD	Area is full of rubbish and badly degraded.	DRY	FLAT	SAND	GREY			Banksia attenuata, Kunzea ericifolia, Burchardia congesta, Kunzea glabrescens
Drakaea elastica	T	CR	BLACKWOOD			FLAT	SAND	GREY			
Drakaea elastica	T	CR	BLACKWOOD		MOIST	FLAT	SAND	WHITE	WLL_DRND		Banksia attenuata, B. ilicifolia, Stirlingia latifolia, Daviesia physodes, Jacksonia spinosa, Hovea trisperma, Kunzea glabrescens, Melaleuca thymoides, Calytrix fraseri, Eremaea pauciflora, Leucopogon sp., Hibbertia hypericoides, Brachyloma preissii
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over heath B. Heavy leaf litter, very low species diversity.	MOIST	FL_PLAIN	SAND	GREY			Banksia attenuata, B. ilicifolia, Melaleuca sp., Kunzea ericifolia, Hibbertia sp., Leucopogon sp., reed sp.
Drakaea elastica	T	CR	BLACKWOOD	Allocasuarina humilis, Calytrix fraseri, Hibbertia hypericoides, Brachyscome sp.	MOIST	FLAT	SAND	WHITE			Banksia ilicifolia, Banksia attenuata, Kunzea glabrescens, Stirlingia latifolia
Drakaea elastica	T	CR	BLACKWOOD	Xanthorrhoea brunonis, Banksia sp., Melaleuca sp.		FLAT	SAND	WHITE			Kunzea glabrescens, Dasyopogon bromeliifolius, Patersonia occidentalis, Hypocalymma angustifolium
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over heath B. Eucalyptus marginata, Allocasuarina humilis, Kunzea glabrescens	MOIST	FLAT	SAND	WHITE			Banksia attenuata, B. ilicifolia, Stirlingia latifolia, Daviesia physodes, Jacksonia spinosa, Hovea trisperma, Kunzea ericifolia, Melaleuca thymoides, Calytrix fraseri, Eremaea pauciflora, Leucopogon sp., Hibbertia sp., reed sp.
Drakaea elastica	T	CR	BLACKWOOD	>10 years since last fire		SLOPE	SAND	GREY			
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over Heath B. Moderate.	DRY	SLOPE	SAND	GREY			Banksia attenuata, B. ilicifolia, Stirlingia latifolia, Jacksonia spinosa, Daviesia physodes, Acacia sp., Kunzea ericifolia, Melaleuca thymoides, Calytrix fraseri, Eremaea pauciflora, Leucopogon striatus, Hibbertia sp., reed sp
Drakaea elastica	T	CR	BLACKWOOD	Tall shrubs over open understorey		FLAT	SAND	WHITE			Kunzea glabrescens
Drakaea elastica	T	CR	BLACKWOOD	Tall shrubs over open low shrubs		FLAT	SAND	GREY			Kunzea glabrescens
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over low scrub B. Low species diversity.	DRY	FLAT	SAND	GREY			Banksia attenuata, B. ilicifolia, Stirlingia latifolia, Kunzea glabrescens, Agonis flexuosa
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over low heath C.	DRY	FL_PLAIN	SAND	GREY			Banksia attenuata, Kunzea ericifolia, Dasyopogon bromeliifolius, Agonis flexuosa
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over low heath C. Hypolaena exsulca, Melaleuca preissiana, Kunzea glabrescens	MOIST	FL_PLAIN	SAND	WHITE		S	Melaleuca sp., Kunzea ericifolia, Regelia ciliata, Nuytsia floribunda, Leucopogon striatus, Phlebocarya ciliata, Adenanthos meisneri
Drakaea elastica	T	CR	BLACKWOOD	Low forest A over low heath C. Banksia attenuata, B. ilicifolia, Leporella fimbriata, Pyrorchis nigricans.	MOIST	FL_PLAIN	SAND	WHITE		S	Melaleuca sp., Kunzea ericifolia, Regelia ciliata, Nuytsia floribunda, Leucopogon striatus, Phlebocarya ciliata, Hypolaena exsulca
Drakaea elastica	T	CR	BLACKWOOD	Dense Melaleuca stands near swamp; heavily stocked/ground covered Banksia woodlands away from swamp.	DRY	FLAT	SAND	GREY			Banksia attenuata, Stirlingia latifolia, Hibbertia hypericoides, Eucalyptus marginata
Drakaea elastica	T	CR	BLACKWOOD	Banksia woodland. Nuytsia floribunda, Leporella fimbriata, Pyrorchis nigricans, Caladenia flava	DRY	FLAT	SAND	WHITE			Banksia attenuata, B. ilicifolia, Stirlingia latifolia, Adenanthos meisneri, Kunzea ericifolia, Regelia ciliata, Jacksonia furcellata, Eremaea pauciflora, Leucopogon striatus
Drakaea elastica	T	CR	BLACKWOOD	Leporella fimbriata, Paracaleana nigrita, Drakaea glyptodon, orchids. Habitat cond: Very Good.	DRY	FLAT	SAND	GREY			Banksia attenuata, Kunzea ericifolia, Leucopogon striatus, Banksia ilicifolia

Drakaea elastica	T	CR	BLACKWOOD	Melaleuca thymoides, Calytrix fraseri, Adenanthos obovatus, Kunzea ?micrantha, Phlebocarya ciliata		SLOPE	SAND	GREY				Kunzea ericifolia, Melaleuca preissiana, Banksia attenuata, Banksia ilicifolia
Drakaea elastica	T	CR	BLACKWOOD	Banksia woodland. Stirlingia latifolia, Phlebocarya ciliata, Lyginia barbata, Johnsonia acaulis	MOIST	SLOPE	SAND	WHITE		N		Banksia attenuata, Banksia ilicifolia, Calytrix ?fraseri, Melaleuca thymoides
Drakaea elastica	T	CR	BLACKWOOD	Tall shrubland of Kunzea glabrescens and Banksia ilicifolia.	MOIST	FL_PLAIN	SAND	WHITE				Dasypogon bromeliifolius, Calytrix flavescens, Melaleuca thymoides, Kunzea glabrescens
Drakaea elastica	T	CR	BLACKWOOD	Banksia woodland. Kunzea.			SAND	WHITE				Banksia attenuata, Banksia ilicifolia, Stirlingia latifolia, Pyrorchis nigricans
Eryngium sp. Ferox (G.J. Keighery 16034)	3		BLACKWOOD			FL_PALU	CLA_LOAM	BROWN	SEASINUN			Melaleuca viminea
Eryngium sp. Ferox (G.J. Keighery 16034)	3		BLACKWOOD			FL_PALU	CLAY	GREY	SEASINUN			Melaleuca viminea
Eryngium sp. Ferox (G.J. Keighery 16034)	3		BLACKWOOD			FL_PALU	CLAY	GREY	SEASINUN			Melaleuca viminea
Eryngium sp. Subdecumbens (G.J. Keighery 5390)	3		BLACKWOOD	Skeletal soils over ironstone hardpan. Seasonally wet poorly drained flat.		FLAT	CLAY	BROWN	SEASINUN			Melaleuca cuticularis, M. uncinata, Astartea aff. fascicularis, Halosarcia halocnemoides, Myrocephalus helichrysoides
Eucalyptus rudis subsp. cratyantha	4		BLACKWOOD			FLAT						Eucalyptus calophylla, Melaleuca preissiana
Eucalyptus rudis subsp. cratyantha	4		BLACKWOOD	Loamy sand over calcarenite.			SND_LOAM		SEASINUN			
Grevillea brachystylis subsp. brachystylis	3		BLACKWOOD	Juncea viminaria, Xanthorrhoea preissii.	DRY		SAND	GREY				Kunzea micrantha, grevillea diversifolia, Synaphea sp., Corymbia calophylla
Grevillea brachystylis subsp. brachystylis	3		BLACKWOOD	Grey sandy clay over clay.			SAND	GREY				
Grevillea brachystylis subsp. brachystylis	3		BLACKWOOD	Grey sandy clay over clay.			SAND	GREY				
Grevillea brachystylis subsp. brachystylis	3		BLACKWOOD	Grey sandy clay over clay.			SAND	GREY				
Jacksonia gracillima	3		BLACKWOOD				SAND	GREY				Eucalyptus marginata
Lasiopetalum membranaceum	3		BLACKWOOD	Found in tuart woodland, on black sand over limestone. Scattered in clumps in area.			SAND	BLACK				Eucalyptus gomphocephala (Tuart).
Lasiopetalum membranaceum	3		BLACKWOOD	Growing in tuart woodland on yellow sand over limestone.			SAND	YELLOW				Eucalyptus gomphocephala (Tuart), Agonis flexuosa (Peppermint), Spyridium globulosum, Exotic weeds.
Meionectes tenuifolia	3		BLACKWOOD									
Meionectes tenuifolia	3		BLACKWOOD	Open woodland over shrubland.	DRY	FL_PLAIN	SAND	WHITE				Melaleuca sp., Isolepis marginatus
Meionectes tenuifolia	3		BLACKWOOD	Open woodland over shrubland.	DRY	FL_PLAIN	SAND	WHITE				Melaleuca sp., Isolepis marginatus
Montia australasica	2		BLACKWOOD	M. raphiophylla woodland.			CLAY_SND					Melaleuca raphiophylla
Morelotia australiensis	T	VU	BLACKWOOD		MOIST	OD_DRGLN	CLAY_SND					Melaleuca, Eucalyptus calophylla
Morelotia australiensis	T	VU	BLACKWOOD	Woodland over shrubs and sedges.			CLAY_SND	GREY	SEASINUN			Corymbia calophylla
Myriophyllum echinatum	3		BLACKWOOD									
Ornduffia submersa	4		BLACKWOOD	Shallow water to 10 cm deep. Melaleuca raphiophylla wooded lagoon. Grey black clay.		OD_SWAMP	CLAY	GRY_BLACK				Melaleuca raphiophylla
Schoenus loliaceus	2		BLACKWOOD	Stirlingia latifolia, Hibbertia hypericoides, Dryandra nivea, Conostylis setigera, Mesomelaena tetragona.		FLAT	CLAY_SND	BROWN				Eucalyptus calophylla, Persoonia, Hakea, Daviesia physodes
Schoenus natans	4		BLACKWOOD	Dried up lagoon.	DRY	CD_LAGN	CLAY					Villarsia submersa, Aponogeton hexatepalus, Melaleuca raphiophylla
Schoenus pennisetis	3		BLACKWOOD	open Woodland over Shrubland		FL_PLAIN	SAND	GREY				Melaleuca sp.
Schoenus pennisetis	3		BLACKWOOD	open Woodland over Shrubland		FL_PLAIN	SAND	GREY				Melaleuca sp.
Stylidium longitubum	4		BLACKWOOD			FL_CLYPN	CLAY	BROWN				Melaleuca raphiophylla
Synaphea petiolaris subsp. simplex	3		BLACKWOOD	Low-lying sandy loam flat.	MOIST	FLAT	SND_LOAM	BROWN				Eucalyptus calophylla, Nuysia, Banksia grandis
Synaphea petiolaris subsp. simplex	3		BLACKWOOD	Brachycome bellidoides		FLAT	CLAY	BROWN	SEASINUN			Melaleuca cuticularis, M. uncinata, Astartea aff. fascicularis, Halosarcia
Synaphea petiolaris subsp. simplex	3		BLACKWOOD	Reed sp., weeds (grasses).	MOIST	FLAT	SAND	YEL_BRWN				Grevillea diversifolia, Acacia pulchella, Corymbia calophylla, Stirlingia latifolia
Thysanotus glaucus	4		BLACKWOOD	On grey sand, on well drained gentle W facing slope. Growing on Bassendean sands. In Jarrah low forest.	DRY	SLOPE	SAND	GREY		W		Eucalyptus marginata (Jarrah) (low forest), Acacia extensa (Low scrub), Hibbertia hypericoides, Hibbertia racemosa (low heath), Dasypogon
Tripterococcus sp. Brachylobus (A.S. George 14234)	4		BLACKWOOD	Slender erect perennial from a rootstock to 1m. Flowers yellow-green, in full flower.			CLAY_SND	BLACK				Melaleuca
Verticordia attenuata	3		BLACKWOOD	Melaleuca sp., grasses, sedges.		FLAT	SAND	GREY				Melaleuca

Verticordia attenuata	3		BLACKWOOD		DRY	FLAT	SAND	GREY			
Verticordia attenuata	3		BLACKWOOD			FLAT	SAND	GREY			Eucalyptus marginata
Verticordia attenuata	3		BLACKWOOD	veltdt grass, wildoats. Several areas disturbed.		FLAT	SAND	WHITE			Adenanthos,Eucalyptus rudis,Hibbertia sp.,Pinus radiata
Verticordia attenuata	3		BLACKWOOD	Several areas disturbed. Veltdt grass and wild oats present.		FLAT	SAND	WHITE			Adenanthos,Eucalyptus rudis,Hibbertia sp.,Pinus radiata
Verticordia attenuata	3		BLACKWOOD	Narrow road verge.		FLAT	SAND	GREY			Eucalyptus calophylla
Verticordia attenuata	3		BLACKWOOD	Nuytsia floribunda, weedy grasses.		FLAT	SAND	WHITE			Jacksonia sp.,Conostylis sp.,Baeckea,Agonis flexuosa
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Jacksonia. Low heath c surrounded by Eucalyptus calophylla woodland.	DRY	FL_PLAIN	SAND	WHITE			Restio,Melaleuca,Daviesia,Banksia
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Habitat is in good condition however there is some weed invasion mainly lovegrass and annual grasses. Area seems to be heavily visited by people and kangaroos are keeping the area open. Recommend fencing/brush the tracks entering along the road	DRY	FLAT	SAND	CREAM			Regelia ciliata, Hakea sulcata, Verticordia pennigera, Hakea varia, Viminaria juncea, Kingia australis, Xanthorrhoea preissii, Jacksonia furcellata, Astartea sp., sedges
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Habitat is in very good condition however there is some weed invasion mainly lovegrass and annual grasses. Part of habitat burn in wildfire in September 2014	DRY	FLAT	SAND	CREAM			Regelia ciliata, Hakea sulcata, Verticordia pennigera, Hakea varia, Viminaria juncea, Kingia australis, Xanthorrhoea preissii, Jacksonia furcellata, Astartea
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Weeds very bad in disturbed areas along the rail line	DRY	FL_PLAIN	LOAM_SND	CREAM			Viminaria juncea,Grevillea manglesioides,Melaleuca viminea, Melaleuca osullivani, Regelia ciliata
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Grevillea manglesioides	DRY	FLAT	LOAM_SND	GREY			Viminaria juncea,Verticordia densiflora var. caespitosa,Verticordia plumosa var vassensis,Melaleuca sp.
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Excellent in some areas however ranges to degraded in spots due to disturbance and weed invasion	DRY	FLAT	SAND	GREY	SEASINUN		Regelia ciliata, Hypocalymna angustifolium, Verticordia plumosa var. vassensis, Hakea marginata, Viminaria juncea, Calothamnus lateralis,
Verticordia densiflora var. pedunculata	T	EN	BLACKWOOD	Stirlingia latifolia, Nuytsia floribunda, Dryandra lindleyana, Xanthorrhoea preissii	DRY	FL_PLAIN	SAND	WHITE			Hakea ruscifolia,Corymbia calophylla,Hakea prostrata,Mesomelaena
Verticordia plumosa var. ananeotes	T	CR	BLACKWOOD	Open woodland, marri, sedges.Casuarina sp., Kingia australis, Xanthorrhoea preissii, Hakea sulcata	DRY	FL_PLAIN	CLAY_SND	CREAM			Hakea varia,Stirlingia latifolia,Viminaria juncea,Agonis flexuosa
Verticordia plumosa var. ananeotes	T	CR	BLACKWOOD	Thysanotus sp., Verticordia sp., Viminaria sp., Stylidium sp.; low heath C.	DRY	FLAT	CLAY_SND	BROWN			Xanthorrhoea sp.,Kingia sp.,Hibbertia sp.,Melaleuca sp.
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Weedy grasses - cleared road verge.	DRY	FL_PLAIN	CLAY_SND	ORANGE			Viminaria juncea
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Condition varies from excellent to degraded in patches. Disturbed areas are highly weed infested.	DRY	FLAT	CLAY_SND	WHITE	SEASINUN		Regelia ciliata, Viminaria juncea, Acacia saligna, Calothamnus lateralis, Astartea sp., Pericalymma ellipticum, Nuytsia floribunda, Acacia
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Melaleuca leptoclada, Grevillea manglesioides, Acacia saligna, Leptocarpus canus, Loxocarya flexuosa.		FLAT	SAND	BROWN	SEASINUN		Regelia ciliata,Viminaria juncea,Hakea marginata,Melaleuca uncinata
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Melaleuca leptoclada, Grevillea manglesioides, Acacia saligna, Leptocarpus canus, Loxocarya flexuosa.		FL_PLAIN	SAND	BROWN	SEASINUN		Regelia ciliata,Viminaria juncea,Hakea marginata,Melaleuca uncinata
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Melaleuca leptoclada, Grevillea manglesioides, Acacia saligna, Leptocarpus canus, Loxocarya flexuosa.		FL_PLAIN	SAND	BROWN	SEASINUN		Regelia ciliata,Viminaria juncea,Hakea marginata,Melaleuca uncinata
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Melaleuca leptoclada, Grevillea manglesioides, Acacia saligna, Leptocarpus canus, Loxocarya flexuosa.		FL_PLAIN	SAND	BROWN	SEASINUN		Regelia ciliata,Viminaria juncea,Hakea marginata,Melaleuca uncinata
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Most of the site is on spread drain spoil.	MOIST	FL_PLAIN	LOAM_SND	BROWN			Eragrostis curvula,Melaleuca sp.
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Most of the site is on spread drain spoil.	MOIST	FL_PLAIN	LOAM_SND	BROWN			Eragrostis curvula,Melaleuca sp.
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Lepidosperma sp., Melaleuca cuticularis.		FL_PLAIN	CLAY_SND	BROWN	SEASINUN		Regelia ciliata,Hakea marginata,Melaleuca uncinata,Viminaria juncea
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Most of the site is on spread drain spoil.	MOIST	FL_PLAIN	LOAM_SND	BROWN			Eragrostis curvula,Melaleuca sp.
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Habitat partially burnt in wildfire in September 2014	DRY	FLAT	CLAY_SND	CREAM			Regelia ciliata, Hakea sulcata, Verticordia pennigera, Hakea varia, Viminaria juncea, Kingia australis, Xanthorrhoea preissii, Jacksonia furcellata, Astartea
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Thysanotus sp., Melaleuca sp., Viminaria sp., Stylidium sp., Hibbertia sp. low heath C.	DRY	FL_PLAIN	CLAY_SND	CREAM			Xanthorrhoea preissii,Kingia australis,Verticordia pennigera,Hakea varia
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Melaleuca sp., Calothamnus sp.	DRY		SAND	WHITE			Mesomelaena tetragona,Stirlingia latifolia
Verticordia plumosa var. vassensis	T	EN	BLACKWOOD	Sedge, weedy grasses.	DRY	FL_PLAIN	SAND	GREY			Corymbia calophylla,Banksia grandis,Xanthorrhoea preissii

APPENDIX 3

Protected Matters Search Tool Records (5 km)



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: 29-Aug-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)	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	1
Listed Threatened Ecological Communities:	4
Listed Threatened Species:	63
Listed Migratory Species:	49

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	74
Whales and Other Cetaceans:	13
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	2
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:	2
EPBC Act Referrals:	14
Key Ecological Features (Marine):	2
Biologically Important Areas:	8
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

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

Ramsar Site Name	Proximity	Buffer Status
Vasse-wonnerup system	Within Ramsar site	In feature area

Commonwealth Marine Area [\[Resource Information \]](#)

Approval is required for a proposed activity that is located within the Commonwealth Marine Area which has, will have, or is likely to have a significant impact on the environment. Approval may be required for a proposed action taken outside a Commonwealth Marine Area but which has, may have or is likely to have a significant impact on the environment in the Commonwealth Marine Area.

Feature Name	Buffer Status
EEZ and Territorial Sea	In buffer area only

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
Clay Pans of the Swan Coastal Plain	Critically Endangered	Community likely to occur within area	In buffer area only
Subtropical and Temperate Coastal Saltmarsh	Vulnerable	Community likely to occur within area	In buffer area only
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			
Anous tenuirostris melanops Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat known 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 likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea dabbenena Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area	In feature area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Halobaena caerulea Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Limosa lapponica menzbieri Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit [86432]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In feature area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pezoporus occidentalis Night Parrot [59350]	Endangered	Species or species habitat may occur within area	In feature area
Phoebastria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area	In feature area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding likely to occur within area	In feature area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In feature area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In feature area
Zanda baudinii listed as Calyptorhynchus baudinii Baudin's Black-Cockatoo, Long-billed Black-cockatoo [87736]	Endangered	Breeding 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
FISH			
Nannatherina balstoni Balston's Pygmy Perch [66698]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area	In feature area
MAMMAL			
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely 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
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area	In feature area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911]	Critically Endangered	Breeding known to occur within area	In feature area
OTHER			
Westralunio carteri Carter's Freshwater Mussel, Freshwater Mussel [86266]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
PLANT			
Banksia nivea subsp. uliginosa Swamp Honeypot [82766]	Endangered	Species or species habitat likely to occur within area	In feature area
Banksia squarrosa subsp. argillacea Whicher Range Dryandra [82769]	Vulnerable	Species or species habitat may occur within area	In feature area
Brachyscias verecundus Ironstone Brachyscias [81321]	Critically Endangered	Species or species habitat may occur within area	In buffer area only
Caladenia busselliana Bussell's Spider-orchid [24369]	Endangered	Species or species habitat known to occur within area	In buffer area only
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Chamelaucium sp. S coastal plain (R.D.Royce 4872) Royce's Waxflower [87814]	Vulnerable	Species or species habitat likely to occur within area	In feature area
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

Scientific Name	Threatened Category	Presence Text	Buffer Status
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 buffer area only
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Gastrolobium papilio Butterfly-leafed Gastrolobium [78415]	Endangered	Species or species habitat may occur within area	In buffer area only
Lambertia echinata subsp. occidentalis Western Prickly Honeysuckle [64528]	Endangered	Species or species habitat may occur within area	In buffer area only
Petrophile latericola Laterite Petrophile [64532]	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 buffer area only
Verticordia densiflora var. pedunculata Long-stalked Featherflower [55689]	Endangered	Species or species habitat likely to occur within area	In feature area
Verticordia plumosa var. vassensis Vasse Featherflower [55804]	Endangered	Species or species habitat known to occur within area	In buffer area only
REPTILE			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area	In feature area
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area

SHARK

Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area	In feature area
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area	In feature area
Galeorhinus galeus School Shark, Eastern School Shark, Snapper Shark, Tope, Soupfin Shark [68453]	Conservation Dependent	Species or species habitat may occur within area	In buffer area only
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
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area	In feature area
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to 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
Ardenna carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area	In feature area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea dabbenena Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area	In feature area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In feature area
Hydroprogne caspia Caspian Tern [808]		Foraging, feeding or related behaviour known to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In feature area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Onychoprion anaethetus Bridled Tern [82845]		Foraging, feeding or related behaviour likely to occur within area	In feature area
Phoebastria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area	In feature area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In feature area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In feature area
Migratory Marine Species			
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In feature area
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area	In feature area
Caperea marginata Pygmy Right Whale [39]		Species or species habitat may occur within area	In feature area
Carcharhinus longimanus Oceanic Whitetip Shark [84108]		Species or species habitat may occur within area	In feature area
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area	In feature area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area	In feature area
Eubalaena australis as Balaena glacialis australis Southern Right Whale [40]	Endangered	Breeding known to occur within area	In feature area
Lagenorhynchus obscurus Dusky Dolphin [43]		Species or species habitat may occur within area	In feature area
Megaptera novaeangliae Humpback Whale [38]		Congregation or aggregation known to occur within area	In feature area
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat may occur within area	In feature area
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In feature area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area	In feature area
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
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area	In feature area

Migratory Terrestrial Species

Scientific Name	Threatened Category	Presence Text	Buffer Status
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 known 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
Calidris ruficollis Red-necked Stint [860]		Species or species habitat known to occur within area	In feature area
Charadrius bicinctus Double-banded Plover [895]		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 likely to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat likely to occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In feature area
Tringa glareola Wood Sandpiper [829]		Species or species habitat known to occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area	In feature area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Species or species habitat known to occur within area	In feature area

Other Matters Protected by the EPBC Act

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
Anous tenuirostris melanops Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may 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
Ardenna carneipes as Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within 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

Scientific Name	Threatened Category	Presence Text	Buffer Status
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 known 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
Calidris ruficollis Red-necked Stint [860]		Species or species habitat known to occur within area overfly marine area	In feature area
Charadrius bicinctus Double-banded Plover [895]		Species or species habitat known to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius ruficapillus Red-capped Plover [881]		Species or species habitat known to occur within area overfly marine area	In feature area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea dabbenena Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Species or species habitat may occur within area	In feature area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Halobaena caerulea Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Himantopus himantopus Pied Stilt, Black-winged Stilt [870]		Species or species habitat known to occur within area overfly marine area	In feature area
Hydroprogne caspia as Sterna caspia Caspian Tern [808]		Foraging, feeding or related behaviour known to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat likely to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In feature area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area

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 likely to occur within area	In feature area
Onychoprion anaethetus as Sterna anaethetus Bridled Tern [82845]		Foraging, feeding or related behaviour likely to occur within area	In feature area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area	In feature area
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In feature area
Phoebastria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area	In feature area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Puffinus assimilis Little Shearwater [59363]		Foraging, feeding or related behaviour known to occur within area	In feature area
Recurvirostra novaehollandiae Red-necked Avocet [871]		Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Stercorarius skua as Catharacta skua Great Skua [823]		Species or species habitat may occur within area	In buffer area only
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In feature area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In feature area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In feature area
Thinornis cucullatus as Thinornis rubricollis Hooded Plover, Hooded Dotterel [87735]		Species or species habitat known to occur within area overfly marine area	In feature area
Tringa glareola Wood Sandpiper [829]		Species or species habitat known to occur within area overfly marine area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area overfly marine area	In feature area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Acentronura australe Southern Pygmy Pipehorse [66185]		Species or species habitat may occur within area	In feature area
Campichthys galei Gale's Pipefish [66191]		Species or species habitat may occur within area	In feature area
Heraldia nocturna Upside-down Pipefish, Eastern Upside-down Pipefish, Eastern Upside-down Pipefish [66227]		Species or species habitat may occur within area	In feature area
Hippocampus angustus Western Spiny Seahorse, Narrow-bellied Seahorse [66234]		Species or species habitat may occur within area	In feature area
Hippocampus breviceps Short-head Seahorse, Short-snouted Seahorse [66235]		Species or species habitat may occur within area	In feature area
Hippocampus subelongatus West Australian Seahorse [66722]		Species or species habitat may occur within area	In feature area
Histiogamphelus cristatus Rhino Pipefish, Macleay's Crested Pipefish, Ring-back Pipefish [66243]		Species or species habitat may occur within area	In feature area
Lissocampus caudalis Australian Smooth Pipefish, Smooth Pipefish [66249]		Species or species habitat may occur within area	In feature area
Lissocampus fatiloquus Prophet's Pipefish [66250]		Species or species habitat may occur within area	In feature area
Lissocampus runa Javelin Pipefish [66251]		Species or species habitat may occur within area	In feature area
Maroubra perserrata Sawtooth Pipefish [66252]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Mitotichthys meraculus Western Crested Pipefish [66259]		Species or species habitat may occur within area	In feature area
Nannocampus subosseus Bonyhead Pipefish, Bony-headed Pipefish [66264]		Species or species habitat may occur within area	In feature area
Phycodurus eques Leafy Seadragon [66267]		Species or species habitat may occur within area	In feature area
Phyllopteryx taeniolatus Common Seadragon, Weedy Seadragon [66268]		Species or species habitat may occur within area	In feature area
Pugnaso curtirostris Pugnose Pipefish, Pug-nosed Pipefish [66269]		Species or species habitat may occur within area	In feature area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area	In feature area
Stigmatopora argus Spotted Pipefish, Gulf Pipefish, Peacock Pipefish [66276]		Species or species habitat may occur within area	In feature area
Stigmatopora nigra Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area	In feature area
Urocampus carinirostris Hairy Pipefish [66282]		Species or species habitat may occur within area	In feature area
Vanacampus margaritifer Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area	In feature area
Vanacampus phillipi Port Phillip Pipefish [66284]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Mammal			
Vanacampus poecilolaemus Longsnout Pipefish, Australian Longsnout Pipefish, Long-snouted Pipefish [66285]		Species or species habitat may occur within area	In feature area
Mammal			
Arctocephalus forsteri Long-nosed Fur-seal, New Zealand Fur-seal [20]		Species or species habitat may occur within area	In feature area
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area	In feature area
Reptile			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area	In feature area
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area	In feature area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Whales and Other Cetaceans			
			[Resource Information]
Current Scientific Name	Status	Type of Presence	Buffer Status
Mammal			
Balaenoptera acutorostrata Minke Whale [33]		Species or species habitat may occur within area	In feature area
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In feature area
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area	In feature area

Current Scientific Name	Status	Type of Presence	Buffer Status
Caperea marginata Pygmy Right Whale [39]		Species or species habitat may occur within area	In feature area
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area	In feature area
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area	In feature area
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area	In feature area
Lagenorhynchus obscurus Dusky Dolphin [43]		Species or species habitat may occur within area	In feature area
Megaptera novaeangliae Humpback Whale [38]		Congregation or aggregation known to occur within area	In feature area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area	In feature area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area	In feature area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area	In feature area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area	In feature area

Australian Marine Parks		[Resource Information]
Park Name	Zone & IUCN Categories	Buffer Status
Geographe	Multiple Use Zone (IUCN VI)	In buffer area only
Geographe	National Park Zone (IUCN II)	In buffer area only

Extra Information

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

Protected Area Name	Reserve Type	State	Buffer Status
Ngari Capes	Marine Park	WA	In feature area
Sabina	Nature Reserve	WA	In buffer area only
Tuart Forest	National Park	WA	In buffer area only
Unnamed WA44838	Nature Reserve	WA	In feature area

Nationally Important Wetlands [\[Resource Information \]](#)

Wetland Name	State	Buffer Status
McCarleys Swamp (Ludlow Swamp)	WA	In buffer area only
Vasse-Wonnerup Wetland System	WA	In feature area

EPBC Act Referrals [\[Resource Information \]](#)

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
Aerial Application of Lavicide to Vasse-Wonnerup Wetlands	2010/5593	Controlled Action	Post-Approval	In feature area
Bussell Highway - Capel to Hutton Section, WA	2015/7626	Controlled Action	Post-Approval	In buffer area only
Bussell Highway Duplication Hutton to Sabina	2020/8800	Controlled Action	Post-Approval	In buffer area only
Wonnerup North Mineral Sands Project, Busselton, WA	2014/7205	Controlled Action	Post-Approval	In buffer area only
Yarragadee Water Supply Development	2005/2073	Controlled Action	Completed	In feature area
Not controlled action				
Aerial application of mosquito larvicides to Vasse Wonnerup Wetlands, WA	2016/7780	Not Controlled Action	Completed	In feature area
Improving rabbit biocontrol: releasing another strain of RHDV.	2015/7522	Not Controlled Action	Completed	In feature area

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
sthrn two thirds of Australia				
INDIGO Central Submarine Telecommunications Cable	2017/8127	Not Controlled Action	Completed	In feature area
larvaciding of potential mosquito breeding wetlands	2006/2601	Not Controlled Action	Completed	In feature area
Replacement Floodgates	2003/1010	Not Controlled Action	Completed	In buffer area only
Titanium Mining	2001/340	Not Controlled Action	Completed	In buffer area only

Not controlled action (particular manner)

Aerial Mosquito Spraying Vasse-Wonnerup System	2005/1952	Not Controlled Action (Particular Manner)	Post-Approval	In feature area
INDIGO Marine Cable Route Survey (INDIGO)	2017/7996	Not Controlled Action (Particular Manner)	Post-Approval	In feature area

Referral decision

Harvesting of Pinus Radiata Plantation	2010/5414	Referral Decision	Completed	In buffer area only
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Key Ecological Features

[\[Resource Information \]](#)

Key Ecological Features are the parts of the marine ecosystem that are considered to be important for the biodiversity or ecosystem functioning and integrity of the Commonwealth Marine Area.

Name	Region	Buffer Status
Commonwealth marine environment within and adjacent to Geographe Bay	South-west	In buffer area only
Western rock lobster	South-west	In buffer area only

Biologically Important Areas

Scientific Name	Behaviour	Presence	Buffer Status
Seabirds			
Ardena pacifica			
Wedge-tailed Shearwater [84292]	Foraging (in high numbers)	Known to occur	In feature area
Onychoprion anaethetus			
Bridled Tern [82845]	Foraging (in high numbers)	Known to occur	In feature area

Scientific Name	Behaviour	Presence	Buffer Status
Puffinus assimilis tunneyi Little Shearwater [59363]	Foraging (in high numbers)	Known to occur	In feature area
Whales			
Balaenoptera musculus brevicauda Pygmy Blue Whale [81317]	Distribution	Known to occur	In feature area
Balaenoptera musculus brevicauda Pygmy Blue Whale [81317]	Migration	Known to occur	In feature area
Eubalaena australis Southern Right Whale [40]	Calving buffer	Known to occur	In buffer area only
Eubalaena australis Southern Right Whale [40]	Seasonal calving habitat	Known to occur	In feature area
Megaptera novaeangliae Humpback Whale [38]	Migration (south)	Known to occur	In feature area

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

Atlas of Living Australia Flora Records (5 km)

Species Name	Vernacular Name	Non-native	Family	Conservation	Invasive
<i>Acacia cochlearis</i>	Rigid Wattle		Fabaceae		
<i>Acacia cyclops</i>	Western Coastal Wattle		Fabaceae		
<i>Acacia extensa</i>	Wiry Wattle		Fabaceae		
<i>Acacia flagelliformis</i>			Fabaceae	Priority 4	
<i>Acacia huegelii</i>			Fabaceae		
<i>Acacia incurva</i>			Fabaceae		
<i>Acacia littorea</i>			Fabaceae		
<i>Acacia pulchella</i>	Prickly Moses		Fabaceae		
<i>Acacia saligna</i>	Golden Wreath Wattle		Fabaceae		
<i>Acacia semitrullata</i>			Fabaceae	Priority 4	
<i>Acacia sp. Binningup (G.Cockerton et al. WB 37784)</i>			Fabaceae	Priority 1	
<i>Acanthocarpus preissii</i>			Asparagaceae		
<i>Adelphacme minima</i>			Loganiaceae	Priority 3	
<i>Adenanthos meisneri</i>			Proteaceae		
<i>Agonis flexuosa</i>	Peppermint Willow		Myrtaceae		
<i>Agrostis stolonifera</i>	Creeping Bent	*	Poaceae		Non-native species
<i>Agrostocrinum hirsutum</i>			Hemerocallidaceae		
<i>Aira caryophylla</i>	Silvery Hairgrass	*	Poaceae		Non-native species
<i>Alopecurus myosuroides</i>	Slender Foxtail	*	Poaceae		Non-native species
<i>Alyxia buxifolia</i>	Sea Box		Apocynaceae		
<i>Amaranthus albus</i>	Stiff Tumbleweed	*	Amaranthaceae		Non-native species
<i>Ammi majus</i>	Bishop's Weed	*	Apiaceae		Non-native species
<i>Ammothryon grandiflorum</i>	Large Flowered Bog-rush		Cyperaceae		
<i>Amphibromus nervosus</i>	Swamp Wallaby Grass		Poaceae		
<i>Angianthus drummondii</i>			Asteraceae	Priority 3	
<i>Anthocercis littorea</i>	Yellow Tailflower		Solanaceae		
<i>Anthotium junciforme</i>	Rush-like Anthotium		Goodeniaceae		
<i>Anthoxanthum odoratum</i>	Sweet Vernal	*	Poaceae		Non-native species
<i>Aphelia cyperoides</i>			Centrolepidaceae		
<i>Aponogeton hexatepalus</i>	Stalked Water Ribbons		Aponogetonaceae	Priority 4	
<i>Arctotheca calendula</i>	African Marigold	*	Asteraceae		Non-native species
<i>Arctotheca populifolia</i>	Beach Pumpkin	*	Asteraceae		Non-native species
<i>Aristida contorta</i>	Silver Grass		Poaceae		
<i>Aristida holathera</i>	Erect Kerosene Grass		Poaceae		
<i>Astartea leptophylla</i>	River-bank Astartea		Myrtaceae		
<i>Astartea scoparia</i>	Common Astartea		Myrtaceae		
<i>Astartea zephyra</i>			Myrtaceae		
<i>Austrostipa compressa</i>			Poaceae		
<i>Austrostipa flavescens</i>			Poaceae		
<i>Austrostipa semibarbata</i>	Fibrous Spear-grass		Poaceae		
<i>Avena fatua</i>	Wild Oat	*	Poaceae		Global Invasive Species Information Network (GISIN)
<i>Banksia attenuata</i>	Coast Banksia		Proteaceae		
<i>Banksia biterax</i>			Proteaceae		
<i>Banksia grandis</i>	Giant Banksia		Proteaceae		
<i>Bellardia trixago</i>	Bellardia	*	Orobanchaceae		Non-native species
<i>Bellardia viscosa</i>		*	Orobanchaceae		Non-native species
<i>Blennospora doliiformis</i>			Asteraceae	Priority 3	
<i>Bolboschoenus medianus</i>	Marsh Club-rush		Cyperaceae	Priority 1	
<i>Boronia dichotoma</i>			Rutaceae		Global Invasive Species Information Network (GISIN)
<i>Boronia tetragona</i>			Rutaceae		Global Invasive Species Information Network (GISIN)
<i>Brachyscome bellidioides</i>			Asteraceae		Non-native species
<i>Brachyscome iberidifolia</i>	Swan River Daisy		Asteraceae		Non-native species
<i>Briza maxima</i>	Great Quaking Grass	*	Poaceae		Non-native species
<i>Briza minor</i>	Small Shivery Grass	*	Poaceae		Non-native species
<i>Bromus hordeaceus</i>	Goose Grass	*	Poaceae		Non-native species

<i>Caesia micrantha</i>	Pale Grass Lily		Hemerocallidaceae	
<i>Cakile maritima</i>	Sea Rocket	*	Brassicaceae	Non-native species
<i>Caladenia brownii</i>	Karri Spider Orchid		Orchidaceae	
<i>Caladenia busselliana</i>	Bussell's Spider-orchid		Orchidaceae	
<i>Caladenia chapmanii</i>	Chapman's Spider Orchid		Orchidaceae	
<i>Caladenia ferruginea</i>	Rusty Spider Orchid		Orchidaceae	
<i>Caladenia filamentosa</i>	Daddy Long-legs		Orchidaceae	
<i>Caladenia flava</i>	Cowslip Orchid		Orchidaceae	
<i>Caladenia hirta</i>	Sugar Candy Orchid		Orchidaceae	
<i>Caladenia latifolia</i>	Pink Fairies		Orchidaceae	
<i>Caladenia lobata</i>	Butterfly Orchid		Orchidaceae	
<i>Caladenia longicauda</i>	White Spider Orchid		Orchidaceae	
<i>Caladenia paludosa</i>	Swamp Spider Orchid		Orchidaceae	
<i>Caladenia speciosa</i>	Sandplain White Spider Orchid		Orchidaceae	Priority 4
<i>Calandrinia liniflora</i>	Parakeelya		Portulacaceae	
<i>Campylopus introflexus</i>		*	Leucobryaceae	Non-native species
<i>Carex thecata</i>			Cyperaceae	
<i>Cartonema philydroides</i>			Commelinaceae	
<i>Catapodium rigidum</i>	Rigid Fescue	*	Poaceae	Non-native species
<i>Centrolepis sp. Capel (G.J.Keighery 15786)</i>			Centrolepidaceae	
<i>Cerastium glomeratum</i>	Sticky Mouse-ear Chickweed	*	Caryophyllaceae	Non-native species
<i>Chamaescilla gibsonii</i>			Asparagaceae	Priority 3
<i>Chamelaucium erythrochlorum</i>			Myrtaceae	Priority 4
<i>Chorizema diversifolium</i>			Fabaceae	
<i>Chorizema nanum</i>			Fabaceae	
<i>Chorizema spathulatum</i>			Fabaceae	
<i>Coleonema album</i>	Diosma	*	Rutaceae	Global Invasive Species Information Network (GISIN)
<i>Coleonema pulchellum</i>	Confetti Bush	*	Rutaceae	Global Invasive Species Information Network (GISIN)
<i>Comesperma calymega</i>	Blue-spike Milkwort		Polygalaceae	
<i>Comesperma virgatum</i>	Milkwort		Polygalaceae	
<i>Conospermum acerosum</i>	Needle-leaved Smokebush		Proteaceae	
<i>Conospermum caeruleum</i>	Blue Brother		Proteaceae	
<i>Conospermum flexuosum</i>	Tangled Smokebush		Proteaceae	
<i>Conospermum teretifolium</i>	Spider Smokebush		Proteaceae	
<i>Conostylis aculeata</i>	Prickly Conostylis		Haemodoraceae	
<i>Conostylis laxiflora</i>			Haemodoraceae	
<i>Corrigiola litoralis</i>	Strapwort	*	Caryophyllaceae	Non-native species
<i>Corybas recurvus</i>	Helmet Orchid		Orchidaceae	
<i>Corymbia calophylla</i>	Marri		Myrtaceae	
<i>Corynotheca micrantha</i>	Sand Lily		Hemerocallidaceae	
<i>Cotula australis</i>	Common Cotula		Asteraceae	
<i>Cotula sessilis</i>		*	Asteraceae	Non-native species
<i>Cotula turbinata</i>	Ferny Cotula	*	Asteraceae	Non-native species
<i>Craspedia variabilis</i>	Billy-buttons		Asteraceae	
<i>Crassula alata</i>		*	Crassulaceae	Non-native species
<i>Crassula colorata</i>	Stonecrop		Crassulaceae	
<i>Crassula glomerata</i>		*	Crassulaceae	Non-native species
<i>Crowea angustifolia</i>	Crowea	*	Rutaceae	Global Invasive Species Information Network (GISIN)
<i>Cryptandra arbutiflora</i>	Waxy Cryptandra		Rhamnaceae	
<i>Cyanothamnus ramosus</i>		*	Rutaceae	Global Invasive Species Information Network (GISIN)
<i>Cyathochaeta avenacea</i>			Cyperaceae	
<i>Cyathochaeta equitans</i>			Cyperaceae	
<i>Cycnogeton lineare</i>			Juncaginaceae	
<i>Cynodon dactylon</i>	Star Grass	*	Poaceae	Non-native species
<i>Cynosurus echinatus</i>	Rough Dog's Tail	*	Poaceae	Non-native species
<i>Cyrtostylis huegelii</i>	Midge Orchid		Orchidaceae	

<i>Cyrtostylis robusta</i>	Gnat Orchid		Orchidaceae		
<i>Cytogonidium leptocarpoides</i>			Restionaceae		
<i>Dampiera trigona</i>	Angled-stem Dampiera		Goodeniaceae		
<i>Dasypogon bromeliifolius</i>	Pineapple Bush		Dasypogonaceae		
<i>Daucus glochidiatus</i>	Wild Carrot		Apiaceae		
<i>Daviesia decurrens</i>	Thorny Bitter-pea		Fabaceae		
<i>Dianella revoluta</i>	Black-anther Flax-lily		Hemerocallidaceae		
<i>Dichopogon preissii</i>	Nodding Chocolate Lily		Asparagaceae		
<i>Dillwynia sp. Capel (P.A.Jurjevich 1771)</i>			Fabaceae	Priority 3	
<i>Diplolaena dampieri</i>	Southern Diplolaena	*	Rutaceae		Global Invasive Species Information Network (GISIN)
<i>Disa bracteata</i>	South African Orchid	*	Orchidaceae		Non-native species
<i>Diuris amplissima</i>	Giant Donkey Orchid		Orchidaceae		
<i>Diuris decremента</i>			Orchidaceae		
<i>Diuris drummondii</i>	Tall Donkey Orchid		Orchidaceae	Threatened	
<i>Diuris jonesii</i>			Orchidaceae		
<i>Diuris laxiflora</i>	Bee Orchid		Orchidaceae		
<i>Diuris longifolia</i>	Common Donkey Orchid		Orchidaceae		
<i>Drakaea elastica</i>	Hammer Orchid		Orchidaceae	Threatened	
<i>Drakaea glyptodon</i>	King-in-his-carriage		Orchidaceae		
<i>Drosera pallida</i>	Pale Rainbow		Droseraceae		
<i>Drosera rosulata</i>			Droseraceae		
<i>Dysphania ambrosioides</i>		*	Chenopodiaceae		Non-native species
<i>Elatine gratioloides</i>	Waterwort		Elatinaceae		
<i>Eleocharis acuta</i>	Common Spike-rush		Cyperaceae		
<i>Elythranthera brunonis</i>	Purple Enamel Orchid		Orchidaceae		
<i>Epilobium billardioreanum</i>	Smooth Willow Herb		Onagraceae		
<i>Eragrostis cilianensis</i>	Stinkgrass	*	Poaceae		Non-native species
<i>Eriochilus dilatatus</i>	White Bunny Orchid		Orchidaceae		
<i>Erodium cicutarium</i>	Common Heron's-bill	*	Geraniaceae		Global Invasive Species Information Network (GISIN)
<i>Eryngium pinnatifidum</i>	Blue Devils		Apiaceae		
<i>Eryngium sp. Ferox (G.J.Keighery 16034)</i>			Apiaceae	Priority 3	
<i>Eucalyptus diversicolor</i>	Karri		Myrtaceae		
<i>Eucalyptus globulus</i>	Blue Gum	*	Myrtaceae		Non-native species
<i>Eucalyptus gomphocephala</i>	Tuart Gum		Myrtaceae		
<i>Eucalyptus marginata</i>	Jarra		Myrtaceae		
<i>Eucalyptus rudis</i>	Flooded Gum		Myrtaceae		
<i>Euphorbia paralias</i>	Sea Spurge	*	Euphorbiaceae		National Weeds Lists
<i>Exocarpos odoratus</i>	Scented Ballart		Santalaceae		
<i>Exocarpos sparteus</i>	Broom Ballart		Santalaceae		
<i>Ferraria crispa</i>	Black Flag	*	Iridaceae		Non-native species
<i>Ficinia nodosa</i>	Knobby Club-rush		Cyperaceae		
<i>Franklandia triaristata</i>	Lanoline Bush		Proteaceae	Priority 4	
<i>Fumaria capreolata</i>	White Fumitory	*	Papaveraceae		Non-native species
<i>Gamochaeta calviceps</i>		*	Asteraceae		Non-native species
<i>Gastrolobium capitatum</i>			Fabaceae		
<i>Geranium dissectum</i>	Cut-leaf Crane's-bill	*	Geraniaceae		Non-native species
<i>Geranium molle</i>	Dove's-foot Cranebill	*	Geraniaceae		Non-native species
<i>Geranium solanderi</i>	Matua-kā«mara		Geraniaceae		
<i>Glyceria declinata</i>	Sweet Grass	*	Poaceae		Non-native species
<i>Gompholobium tomentosum</i>	Hairy Yellow Pea		Fabaceae		
<i>Grammatotheca bergiana</i>		*	Campanulaceae		Non-native species
<i>Gratiola pubescens</i>	Hairy Brooklime		Plantaginaceae		
<i>Grevillea brachystylis</i>	Short-styled Grevillea		Proteaceae	Priority 3	
<i>Grevillea manglesioides</i>	Mangles' Grevillea		Proteaceae		
<i>Grevillea pilulifera</i>	Woolly-flowered Grevillea		Proteaceae		
<i>Haemodorum simplex</i>			Haemodoraceae		

<i>Hainardia cylindrica</i>	Common Barbgrass	*	Poaceae		Non-native species
<i>Hakea prostrata</i>	Harsh Hakea		Proteaceae		
<i>Hardenbergia comptoniana</i>	Native Wisteria		Fabaceae		
<i>Hemarthria uncinata</i>	Mat Grass		Poaceae		
<i>Hemiandra pungens</i>	Snakebush		Lamiaceae		
<i>Hibbertia cuneiformis</i>	Cutleaf Hibbertia		Dilleniaceae		
<i>Hibbertia diamesogenos</i>			Dilleniaceae		
<i>Hibbertia ferruginea</i>			Dilleniaceae		
<i>Hibbertia hypericoides</i>	Yellow Buttercups		Dilleniaceae		
<i>Hibbertia polystachya</i>			Dilleniaceae		
<i>Hibbertia racemosa</i>	Stalked Guinea Flower		Dilleniaceae		
<i>Hibbertia stellaris</i>	Guinea Flower		Dilleniaceae		
<i>Holcus lanatus</i>	Yorkshire Fog	*	Poaceae		Non-native species
<i>Homalosciadium homalocarpum</i>			Apiaceae		
<i>Hovea trisperma</i>	Common Hovea		Fabaceae		
<i>Hyalosperma pusillum</i>			Asteraceae		
<i>Hyalosperma simplex</i>			Asteraceae		
<i>Hybanthus calycinus</i>	Wild Violet		Violaceae		
<i>Hydrocotyle diantha</i>	Kangaroo Island Pennywort		Araliaceae		
<i>Hydrocotyle tetragonocarpa</i>	Limestone Pennywort		Araliaceae		
<i>Hypolaena pubescens</i>			Restionaceae		
<i>Isoetes drummondii</i>	Quillwort		Isoetaceae		
<i>Isolepis cernua</i>	Nodding Club-rush		Cyperaceae		
<i>Isolepis fluitans</i>	Floating Club-rush		Cyperaceae		
<i>Isolepis marginata</i>	Coarse Club-rush		Cyperaceae		
<i>Isolepis oldfieldiana</i>			Cyperaceae		
<i>Isolepis producta</i>	Nutty Club-rush		Cyperaceae		
<i>Isopogon formosus</i>	Rose Coneflower		Proteaceae	Priority 3	
<i>Isotoma hypocrateriformis</i>	Woodbridge Poison		Campanulaceae		
<i>Isotoma scapigera</i>	Salt Isotome		Campanulaceae		
<i>Isotropis cuneifolia</i>	Granny Bonnets		Fabaceae		
<i>Ixia cultivar</i>		*	Iridaceae		Non-native species
<i>Jacksonia furcellata</i>	Grey Stinkwood		Fabaceae		
<i>Jacksonia gracillima</i>			Fabaceae	Priority 3	
<i>Juncus bufonius</i>	Toad Rush	*	Juncaceae		Non-native species
<i>Juncus caespiticius</i>	Grassy Rush		Juncaceae		
<i>Juncus capitatus</i>	Capitate Rush	*	Juncaceae		Non-native species
<i>Juncus hybridus</i>		*	Juncaceae		Non-native species
<i>Juncus microcephalus</i>	Smallhead Rush	*	Juncaceae		Non-native species
<i>Juncus pallidus</i>	Pale Rush		Juncaceae		
<i>Juncus planifolius</i>	Broad-leaf Rush		Juncaceae		
<i>Kennedia carinata</i>			Fabaceae		
<i>Kennedia coccinea</i>	Coral Vine		Fabaceae		
<i>Kennedia prostrata</i>	Running Postman		Fabaceae		
<i>Kunzea glabrescens</i>			Myrtaceae		
<i>Kunzea micrantha</i>			Myrtaceae		
<i>Lagenophora huegelii</i>	Coarse Bottle-daisy		Asteraceae		
<i>Lagurus ovatus</i>	Hare's Tail Grass	*	Poaceae		Non-native species
<i>Lasiopetalum floribundum</i>	Free Flowering Lasiopetalum		Malvaceae		
<i>Lasiopetalum membranaceum</i>			Malvaceae	Priority 3	
<i>Lechenaultia expansa</i>			Goodeniaceae		
<i>Lepidosperma angustatum</i>			Cyperaceae		
<i>Lepidosperma gladiatum</i>	Coast Sword-sedge		Cyperaceae		
<i>Leporella fimbriata</i>	Hare Orchid		Orchidaceae		
<i>Leptocarpus canus</i>	Hoary Twine-rush		Restionaceae		
<i>Leptocarpus decipiens</i>			Restionaceae		

<i>Leptocarpus scoparius</i>			Restionaceae		
<i>Leptocarpus thysananthus</i>			Restionaceae		
<i>Leptoceras menziesii</i>	Hare's Ears Orchid		Orchidaceae		
<i>Styphelia conostephioides</i>			Ericaceae		
<i>Leucopogon glabellus</i>			Ericaceae		
<i>Leucopogon microcarpus</i>			Ericaceae		
<i>Leucopogon parviflorus</i>	Coast Beard Heath		Ericaceae		
<i>Leucopogon penicillatus</i>			Ericaceae		
<i>Leucopogon propinquus</i>			Ericaceae		
<i>Leucopogon pulchellus</i>	Beard Heath		Ericaceae		
<i>Leucopogon</i> sp. Busselton (D.Cooper 243)			Ericaceae	Priority 2	
<i>Liparophyllum violifolium</i>			Menyanthaceae		
<i>Lobelia anceps</i>	Lobelia		Campanulaceae		
<i>Lobelia heterophylla</i>	Wing-seeded Lobelia		Campanulaceae		
<i>Lomandra integra</i>			Asparagaceae		
<i>Lomandra purpurea</i>	Purple Mat Rush		Asparagaceae		
<i>Lomandra sericea</i>	Silky Mat Rush		Asparagaceae		
<i>Lomandra suaveolens</i>			Asparagaceae		
<i>Luzula meridionalis</i>	Field Woodrush		Juncaceae		
<i>Lyginia barbata</i>			Anarthriaceae		
<i>Lysimachia arvensis</i>	Pimpernel	*	Primulaceae		Non-native species
<i>Lythrum hyssopifolia</i>	Hyssop Loosestrife	*	Lythraceae		Non-native species
<i>Macrozamia riedlei</i>	Zamia Palm		Zamiaceae		
<i>Malva pseudolavatera</i>	Cretan Mallow	*	Malvaceae		Non-native species
<i>Melaleuca acutifolia</i>			Myrtaceae		
<i>Melaleuca lateritia</i>	Robin Redbreast Bush		Myrtaceae		
<i>Melaleuca preissiana</i>	Moonah		Myrtaceae		
<i>Melaleuca raphiophylla</i>	Swamp Paperbark		Myrtaceae		
<i>Melaleuca teretifolia</i>	Banbar		Myrtaceae		
<i>Melaleuca thymoides</i>			Myrtaceae		
<i>Melaleuca viminea</i>	Mohan		Myrtaceae		
<i>Melilotus indicus</i>	Hexham Scent	*	Fabaceae		Non-native species
<i>Microtis cupularis</i>	Cupped Mignonette Orchid		Orchidaceae		
<i>Microtis quadrata</i>	South Coast Mignonette Orchid		Orchidaceae	Priority 4	
<i>Montia australasica</i>	White Purslane		Portulacaceae	Priority 2	
<i>Muehlenbeckia adpressa</i>	Climbing Lignum		Polygonaceae		
<i>Myoporum insulare</i>	Native Jumper		Scrophulariaceae		
<i>Myoporum montanum</i>	Native Myrtle		Scrophulariaceae		
<i>Myriocephalus helichrysoides</i>			Asteraceae		
<i>Orianthera serpyllifolia</i>			Loganiaceae		
<i>Ornduffia parnassifolia</i>			Menyanthaceae		
<i>Ornithopus compressus</i>	Yellow Serradella	*	Fabaceae		Non-native species
<i>Orobanche minor</i>	Broomrape	*	Orobanchaceae		Non-native species
<i>Orthrosanthus laxus</i>	Morning Iris		Iridaceae		
<i>Oxalis corniculata</i>	Oxalis	*	Oxalidaceae		Non-native species
<i>Parentucellia latifolia</i>	Red Bartsia	*	Orobanchaceae		Non-native species
<i>Pauridia occidentalis</i>			Hypoxidaceae		
<i>Pelargonium australe</i>	Austral Stork's-bill		Geraniaceae		
<i>Pelargonium capitatum</i>	Rose-scented Pelargonium	*	Geraniaceae		Non-native species
<i>Pelargonium littorale</i>			Geraniaceae		
<i>Pericalymma ellipticum</i>	Swamp Teatree		Myrtaceae		
<i>Persoonia longifolia</i>	Snottygobble		Proteaceae		
<i>Petrophile linearis</i>	Pixie Mops		Proteaceae		
<i>Petrophile squamata</i>			Proteaceae		
<i>Pheladenia deformis</i>	Blue Beard		Orchidaceae		
<i>Phyllangium palustre</i>			Loganiaceae	Priority 2	

<i>Phyllanthus calycinus</i>	False Boronia		Phyllanthaceae	
<i>Pimelea angustifolia</i>	Narrow-leaved Pimelea		Thymelaeaceae	
<i>Pimelea lanata</i>			Thymelaeaceae	
<i>Pimelea spectabilis</i>	Bunjong		Thymelaeaceae	
<i>Pogonolepis stricta</i>			Asteraceae	
<i>Polypogon monspeliensis</i>	Annual Beardgrass		Poaceae	
<i>Polypogon tenellus</i>			Poaceae	
<i>Poranthera microphylla</i>	Small Poranthera		Phyllanthaceae	
<i>Prasophyllum drummondii</i>	Swamp Leek Orchid		Orchidaceae	
<i>Prasophyllum hians</i>	Yawning Leek Orchid		Orchidaceae	
<i>Prasophyllum macrostachyum</i>	Laughing Leek Orchid		Orchidaceae	
<i>Pseudognaphalium luteoalbum</i>	Jersey Cudweed		Asteraceae	
<i>Pteridium esculentum</i>	Manehu		Dennstaedtiaceae	
<i>Pterostylis aspera</i>	Brown-veined Shell Orchid		Orchidaceae	
<i>Pterostylis ectypha</i>			Orchidaceae	
<i>Pterostylis glebosa</i>			Orchidaceae	
<i>Pterostylis nana</i>	Dwarf Greenhood		Orchidaceae	
<i>Pterostylis pyramidalis</i>	Tall Snail Orchid		Orchidaceae	
<i>Pterostylis rogersii</i>	Curl Tongue Shell Orchid		Orchidaceae	
<i>Pterostylis scabra</i>	Green-veined Shell Orchid		Orchidaceae	
<i>Pterostylis vittata</i>	Banded Greenhood		Orchidaceae	
<i>Ptilotus drummondii</i>	Narrowleaf Mulla Mulla		Amaranthaceae	
<i>Ptilotus sericostachyus</i>			Amaranthaceae	
<i>Puccinellia ciliata</i>	Puccinellia	*	Poaceae	Non-native species
<i>Pultenaea brachytropis</i>			Fabaceae	
<i>Pultenaea pinifolia</i>			Fabaceae	Priority 3
<i>Pyrorchis nigricans</i>	Red Beaks		Orchidaceae	
<i>Racopilum cuspidigerum</i>			Racopilaceae	
<i>Ranunculus colonorum</i>	Common Buttercup	*	Ranunculaceae	Non-native species
<i>Ranunculus muricatus</i>	Sharp Buttercup	*	Ranunculaceae	Non-native species
<i>Regelia ciliata</i>			Myrtaceae	
<i>Rhagodia baccata</i>	Berry Saltbush		Chenopodiaceae	
<i>Rhodanthe corymbosa</i>			Asteraceae	
<i>Rhodanthe pyrethrum</i>			Asteraceae	
<i>Rytidosperma occidentale</i>			Poaceae	
<i>Rytidosperma pilosum</i>			Poaceae	
<i>Rytidosperma setaceum</i>			Poaceae	
<i>Samolus sp. Clay Flats (G.J. & B.J. Keighery 718)</i>			Primulaceae	
<i>Salicornia quinqueflora</i>	Beaded Samphire		Chenopodiaceae	
<i>Schoenolaena juncea</i>			Apiaceae	
<i>Schoenus benthamii</i>			Cyperaceae	Priority 3
<i>Schoenus discifer</i>	Tiny Bog-rush		Cyperaceae	
<i>Schoenus efoliatus</i>			Cyperaceae	
<i>Schoenus elegans</i>			Cyperaceae	
<i>Schoenus grandiflorus</i>	Large Flowered Bog-rush		Cyperaceae	
<i>Schoenus plumosus</i>			Cyperaceae	
<i>Schoenus rigens</i>			Cyperaceae	
<i>Schoenus sculptus</i>	Gimlet Bog-rush		Cyperaceae	
<i>Schoenus sublaxus</i>			Cyperaceae	
<i>Senecio diaschides</i>	Erect Groundsel		Asteraceae	
<i>Senecio multicaulis</i>			Asteraceae	
<i>Setaria palmifolia</i>	Pampas	*	Poaceae	Non-native species
<i>Sherardia arvensis</i>	Field Madder	*	Rubiaceae	Non-native species
<i>Silene gallica</i>	French Catchfly	*	Caryophyllaceae	Non-native species
<i>Siloxerus pygmaeus</i>			Asteraceae	
<i>Solanum hoplopetalum</i>	Thorny Solanum	*	Solanaceae	National Weeds Lists

<i>Solanum linnaeanum</i>	Poison Weed	*	Solanaceae		Non-native species WA State Notifiable Pests National Weeds Lists
<i>Solanum nigrum</i>	Nightshade	*	Solanaceae		Non-native species National Weeds Lists
<i>Sonchus asper</i>	Kautara	*	Asteraceae		Non-native species
<i>Sonchus hydrophilus</i>	Native Sow-thistle		Asteraceae		
<i>Sonchus oleraceus</i>	Sow Thistle	*	Asteraceae		Non-native species
<i>Sowerbaea laxiflora</i>	Vanilla Lily		Asparagaceae		
<i>Sparaxis bulbifera</i>	Harlequin Flower		Iridaceae		
<i>Sporobolus virginicus</i>	Seashore Dropseed		Poaceae		
<i>Spyridium globulosum</i>	Basket Bush		Rhamnaceae		
<i>Stachystemon virgatus</i>			Picrodendraceae		
<i>Stenopetalum robustum</i>			Brassicaceae		
<i>Stirlingia latifolia</i>	Blueboy		Proteaceae		
<i>Stuckenia pectinata</i>	Fennel Pondweed		Potamogetonaceae		
<i>Stylidium androsaceum</i>			Stylidiaceae		
<i>Stylidium brunonianum</i>	Pink Fountain Triggerplant		Stylidiaceae		
<i>Stylidium crassifolium</i>	Thick-leaved Triggerplant		Stylidiaceae		
<i>Stylidium dichotomum</i>	Pins And Needles		Stylidiaceae		
<i>Stylidium ecorne</i>	Foot Triggerplant		Stylidiaceae		
<i>Stylidium junceum</i>	Reed Triggerplant		Stylidiaceae		
<i>Stylidium paludicola</i>	Swamp Reed Triggerplant		Stylidiaceae	Priority 3	
<i>Stylidium repens</i>	Matted Triggerplant		Stylidiaceae		
<i>Stylidium scandens</i>	Climbing Triggerplant		Stylidiaceae		
<i>Stypandra glauca</i>	Blind Grass		Hemerocallidaceae		
<i>Synaphea floribunda</i>			Proteaceae		
<i>Synaphea hians</i>			Proteaceae	Priority 3	
<i>Taxandria linearifolia</i>			Myrtaceae		
<i>Tetratheca parvifolia</i>			Elaeocarpaceae	Priority 3	
<i>Thelymitra antennifera</i>	Lemon-scented Sun Orchid		Orchidaceae		
<i>Thelymitra variegata</i>	Queen Of Sheba		Orchidaceae	Priority 2	
<i>Thelymitra vulgaris</i>	Slender Sun Orchid		Orchidaceae		
<i>Thysanotus arenarius</i>			Asparagaceae		
<i>Thysanotus dichotomus</i>	Branching Fringe Lily		Asparagaceae		
<i>Thysanotus multiflorus</i>	Many-flowered Fringe		Asparagaceae		
<i>Thysanotus patersonii</i>	Twining Fringe Lily		Asparagaceae		
<i>Trachymene coerulea</i>	Rottnest Island Daisy		Araliaceae		
<i>Tribonanthes australis</i>	Southern Tiurndin		Haemodoraceae		
<i>Tribonanthes porphyrea</i>	Purple-budded Tiurndin		Haemodoraceae		
<i>Tribonanthes violacea</i>	Violet Tiurndin		Haemodoraceae		
<i>Trichocline spathulata</i>	Native Gerbera		Asteraceae		
<i>Tricoryne elatior</i>	Yellow Rush Lily		Hemerocallidaceae		
<i>Trifolium hybridum</i>	Alsike Clover	*	Fabaceae		Non-native species
<i>Trifolium resupinatum</i>	Shaftal Clover	*	Fabaceae		Non-native species
<i>Triglochin mucronata</i>	Prickly Arrowgrass		Juncaginaceae		
<i>Triglochin muelleri</i>			Juncaginaceae		
<i>Trymalium ledifolium</i>			Rhamnaceae		
<i>Typha orientalis</i>	Cumbungi		Typhaceae		
<i>Ursinia anthemoides</i>	Ursinia	*	Asteraceae		Non-native species
<i>Urtica urens</i>	Nettle	*	Urticaceae		Non-native species
<i>Utricularia violacea</i>	Violet Bladderwort		Lentibulariaceae		
<i>Verbascum thapsus</i>	Shepherd's Blanket	*	Scrophulariaceae		Non-native species Global Invasive Species Information Network (GISIN)
<i>Verbena officinalis</i>	Common Verbena	*	Verbenaceae		Non-native species
<i>Verticordia attenuata</i>			Myrtaceae	Priority 3	
<i>Verticordia densiflora</i>	Compacted Featherflower		Myrtaceae		
<i>Verticordia plumosa</i>	Plumed Featherflower		Myrtaceae		
<i>Vicia sativa</i>	Common Vetch	*	Fabaceae		Non-native species
<i>Vulpia myuros</i>	Rat's Tail Fescue	*	Poaceae		Non-native species

<i>Wahlenbergia multicaulis</i>	Tadgell's Bluebell		Campanulaceae	
<i>Waitzia suaveolens</i>	Fragrant Waitzia		Asteraceae	
<i>Watsonia marginata</i>		*	Iridaceae	Non-native species
<i>Wurmbea dioica</i>	Early Nancy		Colchicaceae	
<i>Wurmbea pygmaea</i>			Colchicaceae	
<i>Xanthorrhoea brunonis</i>			Xanthorrhoeaceae	
<i>Xanthosia ciliata</i>			Apiaceae	
<i>Yucca aloifolia</i>		*	Asparagaceae	Non-native species
<i>Zantedeschia aethiopica</i>	Arum Lily	*	Araceae	Non-native species WA State Notifiable Pests

APPENDIX 5

Threatened and Priority Fauna Records (30 km)

Species Name	Common Name	Class	WA Listing	EPBC Status	Date	Certainty	Observation Method	Observation Type	Count	Locality
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	30/09/2000				0	Radison Hotel Resort, Caves Road, Marybrook
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Swamp
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	26/01/1980				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	21/10/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2012				0	Busseton Area
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	10/08/2000				0	Vasse - Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	14/01/1977				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	18/10/2000				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	9/02/2001				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	24/10/1981				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	13/08/1981				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	5/11/1981				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Estuary - Town Site
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	5/01/1978				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	14/02/2001				0	Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	25/03/2001				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Estuary View Drive
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Webster Rd
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Vasse & Wonnerup floodgates
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	26/12/2001				0	Busseton Railway Station wetland, Vasse - Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	13/10/2001				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	24/09/2001				0	Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/11/2001				0	Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	7/12/2001				0	Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	19/11/2001				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	3/03/2012				0	Vasse Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Vasse & Wonnerup floodgates
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	13/02/2018				0	New River east of Queen Elizabeth Ave
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	21/02/2018				0	Wonnerup Estuary Surge Barrier
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	31/03/1978				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	22/02/2002				0	Captain Baudin Reserve, Wonnerup
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2002				0	Wonnerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	27/10/2002				0	Vasse River
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	18/08/2002				0	Vasse River
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	10/10/2006				0	Canal, Thurkle St.
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Vasse Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	16/02/2008				0	Broadwater
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	21/02/2008				0	Wannerup Estuary
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	23/02/2008				0	Geographe Bay
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	22/02/2002				0	Vasse Swamp
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	8/03/2008				0	Captain Baudin Reserve, Wonnerup
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Estuary View Dr, Vasse Wonneru
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	25/11/2007				0	Town Site, Vasse Wonnerup
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	3/10/2001				0	The Broadwater
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/11/2001				0	The Broadwater
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/10/2003				0	The Broadwater
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	28/02/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	19/01/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	2/09/1977				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	31/05/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	8/01/2000				0	Capel Cut
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	14/01/1999				0	Capel Cut
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	7/10/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	23/07/1979				0	
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/03/2000				0	Wonnerup House
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	6/03/2000				0	Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	17/03/2000				0	Vasse River, Busseton
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	15/01/1999				0	Wonnerup Malbub bird hide
Actitis hypoleucos	Common Sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Matbup hide, Wonnerup
Anous stolidus	Common noddy	BIRD	Specially Protected - migratory	MI	31/05/1978				0	WONNERUP
Anous stolidus	Common Noddy	BIRD	Specially Protected - migratory	MI	18/07/1948	WAM Vouchered	Collection	Specimen	1	
Anous tenuirostris melanops	Australian Lesser Noddy	BIRD	Threatened - Endangered	VU	18/07/1948	WAM Vouchered	Collection	Specimen	1	
Anous tenuirostris melanops	Australian Lesser Noddy	BIRD	Threatened - Endangered	VU	7/07/1997	WAM Vouchered	Collection	Specimen	1	
Anous tenuirostris melanops	Australian Lesser Noddy	BIRD	Threatened - Endangered	VU	27/05/1946	WAM Vouchered	Collection	Specimen	1	
Arctocephalus tropicalis	Subantarctic fur-seal	MAMMAL	Threatened - Vulnerable		22/09/2017	Very Certain (photo, specimen, expert)	Opportunistic sighting	Marine entanglement	1	Forrest Beach
Ardenna carneipes	Flesh-footed Shearwater, Fleishy-footed Shearwater	BIRD	Threatened - Vulnerable	MI	20/06/2014				0	Busseton Amalfi
Balaenoptera borealis	sei whale	MAMMAL	Threatened - Endangered	VU	1/01/1937	Certain	Historical (written)	Dead	1	Busseton
Balaenoptera borealis	Sei whale	MAMMAL	Threatened - Endangered	VU		WAM Vouchered	Collection	Specimen	1	
Balaenoptera musculus	Antarctic blue whale	MAMMAL	Threatened - Endangered	EN		WAM Vouchered	Collection	Specimen	1	
Bettongia penicillata ogilbyi	woylie, brush-tailed bettong	MAMMAL	Threatened - Critically endangered	EN	20/10/2009	Not sure	Opportunistic sighting	Night sighting	1	
Bettongia penicillata ogilbyi	woylie, brush-tailed bettong	MAMMAL	Threatened - Critically endangered	EN	1/01/1929	Certain	Survey	Caught or trapped	1	Stirling Estate
Bettongia penicillata ogilbyi	Woylie, brush-tailed bettong	MAMMAL	Threatened - Critically endangered	EN		WAM Vouchered	Collection	Specimen	1	
Botaurus poiciloptilus	Australasian Bittern	BIRD	Threatened - Endangered	EN	21/08/2011				0	Stirling wetland
Botaurus poiciloptilus	Australasian bittern	BIRD	Threatened - Endangered	EN	14/01/1977				0	WONNERUP
Botaurus poiciloptilus	Australasian Bittern	BIRD	Threatened - Endangered	EN	16/10/1977				0	
Botaurus poiciloptilus	Australasian bittern	BIRD	Threatened - Endangered	EN	21/08/2011				0	Stirling wetland
Botaurus poiciloptilus	Australasian Bittern	BIRD	Threatened - Endangered	EN		WAM Vouchered	Collection	Specimen	1	
Bothriembryon irvineanus	Irvine's bothriembryontid land snail (Cape Naturaliste)	INVERTEBRATE	Priority		22/09/2020	Certain	Opportunistic sighting	Day sighting	1	Abba forest block
Bothriembryon irvineanus	Irvine's bothriembryontid land snail (Cape Naturaliste)	INVERTEBRATE	Priority		21/08/2016	Not Sure	Survey	Caught or trapped	1	AMBERGATE
Bothriembryon irvineanus	Irvine's bothriembryontid land snail (Cape Naturaliste)	INVERTEBRATE	Priority		21/08/2016	Not Sure	Survey	Caught or trapped	1	AMBERGATE
Bothriembryon irvineanus	Irvine's bothriembryontid land snail (Cape Naturaliste)	INVERTEBRATE	Priority		21/08/2016	Not Sure	Survey	Caught or trapped	1	AMBERGATE
Bothriembryon irvineanus	Irvine's bothriembryontid land snail (Cape Naturaliste)	INVERTEBRATE	Priority		21/08/2016	Not Sure	Survey	Caught or trapped	1	AMBERGATE
Cacatua pastinator pastinator	Muir's corella	BIRD	Specially Protected - conservation dependent			Moderately certain	Historical (written)	Day sighting	0	KALGUP
Calidris acuminata	sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	1/01/2008	Certain	Targeted survey	Day sighting	2300	Wonnerup
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Swamp
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	7/12/1980				0	
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	24/10/1981				0	
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	13/04/2001				0	Port Geographe Marina

Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Vasse Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	1/10/1977				0	
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Estuary - Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Tuart Forest NP, Vasse Wonneru
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Broadwater Nature Reserve (WA)
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Broadwater Nature Reserve (WA)
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Broadwater Nature Reserve (WA)
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Broadwater Nature Reserve (WA)
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Sabina Nature Reserve
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Sabina Nature Reserve
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Tuart Forest NP
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Tuart Forest NP
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Vasse & Wonnerup floodgates
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Wonnerup Estuary
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Sabina Reserve
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Sabina Reserve, Port Geo fence
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Sabina Reserve
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	31/03/1978				0	JINDONG
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Tuart Forest NP, Vasse Wonneru
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Tuart Forest NP, Vasse Wonneru
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Wonnerup Estuary, Forrest Beac
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	27/01/2008				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	6/11/2001				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	6/12/2001				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	10/09/2002				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	4/12/2002				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	1/01/2003				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	14/01/2003				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	9/02/2003				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	7/03/2003				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	7/01/2004				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2004				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	8/02/2004				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	8/12/2004				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	2/01/2005				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	17/02/2010				0	Vasse Swamp
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	5/01/2000				0	Vasse Wonnerup System
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Calidris acuminata	Sharp-tailed sandpiper	BIRD	Specially Protected - migratory	MI	11/01/1938	WAM Vouchered	Collection	Specimen	1	
Calidris alba	Sanderling	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Tuart Forest NP
Calidris alba	Sanderling	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Sabina Reserve
Calidris alba	sanderling	BIRD	Specially Protected - migratory	MI	9/12/2009				0	Busseton - Broadwater
Calidris canutus	Red knot	BIRD	Threatened - Endangered	EN	7/12/1980				0	
Calidris canutus	Red knot	BIRD	Threatened - Endangered	EN	24/10/1981				0	
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	1/01/2008	Certain	Targeted survey	Day sighting	2500	Wonnerup
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	7/12/1980				0	
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	24/10/1981				0	
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	31/01/2015				0	Vasse Wonnerup Estuary
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	16/10/2007				0	Broadwater Nature Reserve (WA)
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	4/02/2012				0	Broadwater Nature Reserve (WA)
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	8/02/2014				0	Broadwater Nature Reserve (WA)
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	31/01/2015				0	Sabina Nature Reserve
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	6/02/2016				0	Tuart Forest NP
Calidris ferruginea	Curlew Sandpiper	BIRD	Threatened - Critically endangered	MI	13/03/1977				0	
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	11/03/2007				0	Sabina Reserve, Vasse Wonnerup
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	11/03/2007				0	Sabina Reserve, Vasse Wonnerup
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	27/01/2008				0	Sabina Reserve, Vasse Wonnerup
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	20/01/2008				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	4/12/2002				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	14/01/2003				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	7/03/2003				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	7/01/2004				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	2/01/2005				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	5/01/2000				0	Vasse Wonnerup System
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	6/03/2000				0	Wonnerup Estuary
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	20/01/2008				0	The Broadwater
Calidris ferruginea	curlew sandpiper	BIRD	Threatened - Critically endangered	MI	3/03/1980				0	WONNERUP
Calidris melanotos	pectoral sandpiper	BIRD	Specially Protected - migratory	MI	21/06/1977				0	WONNERUP
Calidris melanotos	Pectoral Sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Broadwater Nature Reserve (WA)
Calidris melanotos	Pectoral Sandpiper	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Broadwater Nature Reserve (WA)
Calidris melanotos	Pectoral Sandpiper	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Vasse & Wonnerup floodgates
Calidris melanotos	pectoral sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2004				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	5/06/2000				0	Beach, East Busseton
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	30/09/2000				0	Radison Hotel Resort, Caves Road, Marybrook
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	7/12/1980				0	
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	24/10/1981				0	
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	13/04/2001				0	Port Geographe Marina
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	7/03/2013				0	Vasse Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Vasse Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Estuary - Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Tuart Forest NP, Vasse Wonneru
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Sabina Nature Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Tuart Forest NP
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Wonnerup Estuary

Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Broadwater Nature Reserve (WA)
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	4/02/2012				0	Broadwater Nature Reserve (WA)
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Broadwater Nature Reserve (WA)
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Broadwater Nature Reserve (WA)
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Estuary View Drive
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Layman Rd wetland
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Pioneer Cove & Ford Rd
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Sabina Nature Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Sabina Nature Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Sabina Nature Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Sabina Nature Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Tuart Forest NP
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Tuart Forest NP
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Sabina Reserve, Port Geo fence
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	19/02/2017				0	Vasse inlet Busseton
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Sabina Reserve
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	13/03/1977				0	
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	2/02/2007				0	Vasse- Wonnerup Webser Rd.
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Vasse Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	19/06/2007				0	Vasse Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	14/12/2007				0	Vasse Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	2/02/2008				0	Vasse Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	21/02/2008				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Webster Rd, Vasse Wonnerup
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Wonnerup Estuary, Forrest Beac
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Sabina Reserve, Vasse Wonnerup
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Sabina Reserve, Vasse Wonnerup
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Sabina Reserve, Vasse Wonnerup
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Sabina Reserve, Vasse Wonnerup
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	14/01/2003				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	9/02/2003				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	7/03/2003				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	7/01/2004				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	20/01/2004				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/02/2004				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	19/05/2004				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	2/01/2005				0	The Broadwater
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	8/03/2009				0	Vasse-Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	6/03/2000				0	Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	19/03/2000				0	Vasse - Wonnerup Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	17/03/2009				0	Vasse Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	26/03/2010				0	Vasse R Estuary
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	3/03/1980				0	WONNERUP
Calidris ruficollis	Red-necked stint	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Matbup hide, Wonnerup
Calidris subminuta	Long-toed Stint	BIRD	Specially Protected - migratory	MI	15/02/2015				0	Vasse Wonnerup Estuary
Calidris subminuta	Long-toed Stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Vasse Wonnerup Estuary
Calidris subminuta	Long-toed Stint	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Sabina Nature Reserve
Calidris subminuta	Long-toed Stint	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Calidris subminuta	Long-toed Stint	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Calidris tenuirostris	Great knot	BIRD	Threatened - Critically endangered	MI	7/12/1980				0	
Calidris tenuirostris	Great knot	BIRD	Threatened - Critically endangered	MI	10/02/2013				0	Tuart Forest NP
Calidris tenuirostris	Great knot	BIRD	Threatened - Critically endangered	MI	6/02/2016				0	Tuart Forest NP
Calidris tenuirostris	Great knot	BIRD	Threatened - Critically endangered	MI	9/12/2009				0	Busseton - Broadwater
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	1/06/1999	Certain	Survey	Day sighting	3	"Green Patch"
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	20/11/1992	Certain	Survey	Day sighting	0	Capel Nature Reserve
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	1/08/1999	Certain	Survey	Day sighting	2	The Plains
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	1/01/2008	Certain	Survey	Day sighting	1	Stratham
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	28/11/2007	Certain	Survey	Day sighting	6	Tutunup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	28/11/2007	Certain	Survey	Day sighting	5	Tutunup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	28/11/2007	Certain	Survey	Day sighting	13	Tutunup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	21/11/2009	Certain	Opportunistic sighting	Day sighting	3	Vasse
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	17/03/2011	Certain	Opportunistic sighting	Day sighting	2	
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	1/08/2012	Certain	Opportunistic sighting	Day sighting	8	Busseton
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	19/08/2012	Certain	Opportunistic sighting	Day sighting	3	Busseton
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/08/2013	Certain	Opportunistic sighting	Day sighting	16	Gelorup
Calyptorhynchus banksii naso	Forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	24/11/2009	Certain	Survey	Unknown	5	USHER
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	27/03/2014	Certain	Opportunistic sighting	Day sighting	12	Hithergreen
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	5/09/2014	Certain	Opportunistic sighting	Day sighting	4	Vasse
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	18/03/2015	Certain	Opportunistic sighting	Day sighting	3	Tutunup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	17/04/2015	Certain	Opportunistic sighting	Day sighting	1	Chapman Hill
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	12/04/2015	Certain	Community survey	Day sighting	11	Gelorup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	16/06/2016	Certain	Opportunistic sighting	Sighting	1	Balingup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	29/05/2016	Certain	Opportunistic sighting	Day sighting	4	Yalyalup
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	3/04/2016	Moderately certain	Community survey	Dusk sighting	4	GELORUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	2	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	5	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	4	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	2	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	3	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	1	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	5	YOGANUP
Calyptorhynchus banksii naso	forest red-tailed black cockatoo	BIRD	Threatened - Vulnerable	VU	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Sighting	1	YOGANUP

Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	18/10/2002				0	Capel wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	29/10/2002				0	Capel wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	12/09/1999				0	Tuart Forest, Ludlow
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	30/03/2004				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	22/07/2003				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	19/07/2003				0	Tuart Forest, Ludlow
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	26/08/2003				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	6/09/2003				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	28/09/2003				0	Ambergate Red
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	29/07/2003				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	31/07/1977				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	27/07/1977				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	14/03/1977				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	12/11/2004				0	Capel Wetland Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	13/04/2005				0	Capel Wetland Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	14/10/2005				0	Capel Wetland Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	17/05/2005				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	19/04/2005				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	20/09/2005				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	3/08/2004				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	29/06/2004				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	12/07/2005				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	31/05/1978				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	30/06/1978				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	31/10/1978				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	12/07/2006				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	8/09/2006				0	Capel Wetland Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	6/07/2007				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	15/08/2007				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	17/08/2007				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	26/10/2007				0	Capel Wetland Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	7/11/2007				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	25/11/2007				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	15/02/2008				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	2/04/2008				0	Ambergate Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	7/06/2008				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	24/04/2006				0	Sabina River
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	15/02/2006				0	Vasse Newtown
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	26/06/2005				0	Capel Goodwood Road
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	1/11/2005				0	Capel Lot 300
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	30/04/2013				0	Ruabon Nature Reserve
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	31/03/1979				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	19/01/1979				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	27/09/1979				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	30/06/2008				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	22/07/2008				0	Capel Wetland centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	24/07/2008				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	6/05/2009				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	24/08/2009				0	Capel Wetlands Centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	21/07/2009				0	Ambergate Res
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	27/07/2009				0	Capel Wetlands centre
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	13/12/1979				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	31/03/1980				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	7/09/1979				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	30/09/1980				0	
Calyptorhynchus baudinii	Baudin's cockatoo	BIRD	Threatened - Endangered	EN	23/07/2004	WAM Vouchered	Collection	Specimen	1	
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	2/09/2013	Very Certain	Targeted survey	Remote sensing	0	DALYELLUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/08/2013	Very Certain	Targeted survey	Remote sensing	0	GELORUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/08/2013	Very Certain	Targeted survey	Remote sensing	0	USHER
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/06/1999	Moderately certain	Survey	Day sighting	7	Bunbury
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/12/2003	Certain	Targeted survey	Day sighting	2	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	2/12/2003	Certain	Targeted survey	Day sighting	2	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	3/12/2003	Certain	Targeted survey	Day sighting	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/12/2003	Certain	Targeted survey	Day sighting	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/12/2003	Certain	Targeted survey	Day sighting	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/08/1999	Certain	Survey	Day sighting	1	The Plains
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/12/1999	Certain	Survey	Day sighting	1	The Plains
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/12/1999	Certain	Survey	Day sighting	1	The Plains
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/01/2008	Certain	Survey	Day sighting	1	Stratham
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	15/04/2012	Certain	Community survey	Day sighting	38	Gelorup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	8/07/2012	Certain	Community survey	Day sighting	11	Gelorup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	7/04/2013	Certain	Community survey	Day sighting	6	Gelorup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/04/2007	Certain	Survey	Secondary sign	10	Whicher National Park
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	3/04/2007	Certain	Monitoring	Secondary sign	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	26/02/2003	Certain	Survey	Day sighting	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/11/2009	Certain	Survey	Secondary sign	1	TUTUNUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/11/2009	Certain	Survey	Day sighting	3	TUTUNUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/04/2007	Certain	Monitoring	Secondary sign	1	YALVALUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	20/04/2007	Certain	Survey	Day sighting	30	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	29/12/2006	Certain	Monitoring	Secondary sign	1	CAPEL
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/04/2007	Certain	Survey	Day sighting	2	Blackwood State Forest
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	11/04/2007	Certain	Survey	Day sighting	3	Blackwood State Forest
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/01/2009	Certain	Survey	Day sighting	30	YOGANUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/01/2009	Certain	Monitoring	Secondary sign	1	YOGANUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/02/1954	Certain	Historical (written)	Day sighting	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/02/1953	Certain	Historical (written)	Day sighting	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	30/03/2006	Certain	Monitoring	Secondary sign	1	CAPEL
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/09/2008	Certain	Survey	Day sighting	7	CAPEL
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/01/2009	Certain	Monitoring	Secondary sign	1	TUTUNUP

Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/12/2008	Certain	Survey	Unknown	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/04/2015	Certain	Community survey	Day sighting	21	Gelorup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	28/10/2017	Certain	Opportunistic sighting	Day sighting	10	MILLBROOK
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	4/06/2018	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Yoongarillup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	2	BAUDIN
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	BAUDIN
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	BAUDIN
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	27/02/2013	Certain	Survey	Sighting	0	Lillydale Road, Bunbury
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	27/02/2013	Certain	Survey	Sighting	0	Gelorup
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	19/05/2016	Certain	Survey	Sighting	1	Jarrahwod State Forest
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	19/05/2016	Certain	Survey	Remote sensing	1	Capel River
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	19/05/2016	Certain	Survey	Remote sensing	1	Capel River
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/08/2018	Certain	Community survey	Sighting	0	Walsall
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/08/2018	Certain	Community survey	Sighting	0	Capel
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/08/2018	Certain	Community survey	Sighting	0	Reinscourt
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	19/09/2019	Certain	Opportunistic sighting	Day sighting	40	Abba Forest Block
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/10/2019	Certain	Opportunistic sighting	Day sighting	100	Walsal
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/07/2020	Very Certain (photo, specimen, expert)	Opportunistic sighting	Day sighting	70	Shire of Capel
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	2/04/2012	Certain	Survey	Unknown	1	YOGANUP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	21/12/2012	Certain	Survey	Unknown	1	LUDLOW
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/05/2013	Certain	Survey	Unknown	1	RUABON
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	18/12/2014	Certain	Survey	Unknown	1	FORREST BEACH
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	18/12/2014	Certain	Survey	Unknown	1	FORREST BEACH
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	9/03/2000				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/05/2000				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	11/06/2000				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	8/08/2000				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	3/09/2000				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	3/11/2000				0	Capel Wetland Centre
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	1/04/2001				0	Tuart Forest NP, Ludlow
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	12/06/2001				0	Franklandia
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	13/06/2017				0	Osprey drive
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	19/08/2017				0	Osprey drive
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	2/09/2017				0	Whicher ridge winery
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	6/01/2018				0	Bussell Hwy South Bunbury
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	3/09/1999				0	Tuart Forest NP
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	18/08/1999				0	Summerlea
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	5/10/2003				0	Whicher Range
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	27/05/2008				0	Somerville dr
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	27/05/2008				0	Washington ave
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	8/07/2007				0	Ruabon Nature Reserve
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	16/10/2006				0	Tutunup East
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	7/05/1900	WAM Vouchered	Collection	Specimen	1	
Calyptorhynchus latirostris	Carnaby's cockatoo	BIRD	Threatened - Endangered	EN	24/04/1900	WAM Vouchered	Collection	Specimen	1	
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		10/10/1976	Certain	Opportunistic sighting	Day sighting	0	Whicher Range
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		11/07/2004	Certain	Opportunistic sighting	Day sighting	20	Capel
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		12/06/1988	Certain	Survey	Day sighting	45	Capel Nature Reserve
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		6/05/1988	Moderately certain	Survey	Secondary sign	0	Capel Nature Reserve
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		8/12/1984	Certain	Survey	Day sighting	0	Capel Nature Reserve
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		20/09/1984	Certain	Opportunistic sighting	Sighting	0	Tuart Forest National park
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		1/11/1985	Certain	Opportunistic sighting	Sighting	1	Quilgerup
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		29/12/2004	Certain	Opportunistic sighting	Day sighting	40	QUILGERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		1/08/2012	Certain	Opportunistic sighting	Day sighting	20	Busselton
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		3/12/2012	Moderately certain	Opportunistic sighting	Day sighting	4	Ludlow
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		27/03/2014	Certain	Opportunistic sighting	Day sighting	40	Hithergreen
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		5/09/2014	Certain	Opportunistic sighting	Day sighting	30	Vasse
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		23/10/2014	Certain	Opportunistic sighting	Day sighting	6	Gelorup
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		18/03/2015	Certain	Opportunistic sighting	Day sighting	5	Tutunup
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		26/03/2015	Certain	Opportunistic sighting	Day sighting	10	Chapman Hill
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		17/04/2015	Certain	Opportunistic sighting	Day sighting	1	Chapman Hill
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		28/09/2015	Certain	Opportunistic sighting	Day sighting	1	Yalyalup
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		29/05/2016	Certain	Opportunistic sighting	Day sighting	10	Yalyalup
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		2/03/2016	Certain	Opportunistic sighting	Day sighting	10	Busselton
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		3/04/2016	Moderately certain	Community survey	Dusk sighting	4	GELORUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		3/04/2016	Moderately certain	Community survey	Dusk sighting	2	GELORUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		15/06/2009	Very Certain (photo, specimen, expert)	Targeted survey	Secondary sign	0	YOGANUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		9/04/2017	Moderately certain	Community survey	Sighting	7	CAPEL
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		9/04/2017	Moderately certain	Community survey	Sighting	12	GELORUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		2/05/1966	Certain			1	Capel
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		13/04/1966	Certain			1	Busselton
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		13/08/2018	Certain	Community survey	Sighting	7	Capel
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		13/08/2018	Certain	Community survey	Sighting	30	Jindong
Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	BIRD	Threatened - Endangered		13/08/2018	Certain	Community survey	Sighting	64	Capel
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	29/03/1999				0	Dorset Street, Busselton
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	12/10/1980				0	JINDONG

Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	9/11/2000				0	Walsall Road
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	14/09/1981				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	7/11/1998				0	11km W of Bussetton
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	8/04/2006				0	Garden in Hestier St, Bussetton, WA 6280
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	3/09/2005				0	Garden in Hestier St, Bussetton, WA 6280
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	10/09/2005				0	Garden in Hestier St, Bussetton, WA 6280
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	4/03/2006				0	garden (develop/natives) Bussetton, WA
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	5/10/1999				0	Oates - Thomsett corner
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	1/06/1978				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	5/04/1978				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	24/10/1978				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	5/05/2005				0	Whicher Range
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	6/12/2006				0	Bunbury Cathedral Grammar
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	28/02/1979				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	30/11/1978				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	20/09/1999				0	Membenup picnic area
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	31/05/1979				0	YOGANUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	5/03/2000				0	Whicher Range, Claymore - Tutunup Road
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	31/08/1979				0	JINDONG
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	7/10/1979				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	30/05/1979				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	15/11/1979				0	WONNERUP
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	4/10/1999				0	5km E of Wonnerup
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	22/03/2000				0	Equestrian Park, Bunbury
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	30/06/1980				0	JINDONG
Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	BIRD	Threatened - Endangered	EN	1/04/1980				0	JINDONG
Carcharodon carcharias	great white shark	FISH	Threatened - Vulnerable	VU	30/06/2001	Certain	Opportunistic sighting	Day sighting	1	Bussetton
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	7/08/1993	Certain	Opportunistic sighting	Sighting	1	Stratham
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	2/07/1996	Certain	Survey	Caught or trapped	1	Peppermint Grove Beach
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	9/06/1997	Certain	Survey	Caught or trapped	1	Peppermint Grove Beach
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	1/01/1984	Certain	Translocation	Released	1	Forrest Beach
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	5/02/2008	Certain	Opportunistic sighting	Day sighting	1	Bunbury
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	14/08/1996	Certain	Survey	Caught or trapped	2	Bussetton
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	15/09/1996	Certain	Survey	Caught or trapped	1	Peppermint Grove Beach
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	28/08/1995	Certain	Survey	Caught or trapped	1	Peppermint Grove Beach
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	17/09/1996	Certain	Survey	Caught or trapped	1	Bunbury
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	24/08/1995	Certain	Survey	Caught or trapped	1	Bunbury
Caretta caretta	loggerhead turtle	REPTILE	Threatened - Endangered	EN	16/09/1980	WAM Vouchered	Collection	Specimen	1	
Charadrius leschenaultii	Greater sand plover, large sand plover	BIRD	Threatened - Vulnerable	MI	30/09/2000				0	Radison Hotel Resort, Caves Road, Marybrook
Charadrius leschenaultii	Greater sand plover, large sand plover	BIRD	Threatened - Vulnerable	MI	7/12/1980				0	
Charadrius leschenaultii	Greater sand plover, large sand plover	BIRD	Threatened - Vulnerable	MI	8/03/2009				0	Vasse-Wonerup Estuary
Charadrius leschenaultii	Greater sand plover, large sand plover	BIRD	Threatened - Vulnerable	MI	17/03/2009				0	Vasse Estuary
Chelonia mydas	green turtle	REPTILE	Threatened - Vulnerable	VU	15/07/2008	Certain	Opportunistic sighting	Dead	1	Bussetton
Chelonia mydas	green turtle	REPTILE	Threatened - Vulnerable	VU	16/10/2012	Certain	Opportunistic sighting	Dead	1	Stratham
Chelonia mydas	green turtle	REPTILE	Threatened - Vulnerable	VU	9/02/1919	Very Certain (photo, specimen, expert)	Opportunistic sighting	Day sighting	1	Bunbury
Chelonia mydas	green turtle	REPTILE	Threatened - Vulnerable	VU	1/03/2020	Certain	Opportunistic sighting	Day sighting	1	Bussetton
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		10/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		6/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		3/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		3/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		10/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		3/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		6/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		10/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		10/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		5/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		9/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		9/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		2/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		6/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		10/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		4/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		8/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Ctenotus ora	Coastal Plains skink	REPTILE	Priority		3/12/2011	Certain	Level 1 or 2 survey	Caught or trapped	1	Yoongarillup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	16/02/1987	Certain	Opportunistic sighting	Dead	1	Elgin
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/03/1987	Certain	Opportunistic sighting	Day sighting	1	BUSSETTON
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	29/07/1989	Certain	Opportunistic sighting	Night sighting	1	HAPPY VALLEY
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	31/07/1999	Certain	Survey	Caught or trapped	1	
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	31/07/1999	Certain	Survey	Caught or trapped	2	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/08/1999	Certain	Survey	Caught or trapped	1	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/08/1999	Certain	Survey	Caught or trapped	2	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/12/1999	Certain	Survey	Caught or trapped	1	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/12/1999	Certain	Survey	Caught or trapped	2	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/12/1999	Certain	Survey	Caught or trapped	3	Gwindinup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	5/06/2006	Certain	Survey	Dead	1	Baudin
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	14/07/2003	Certain	Opportunistic sighting	Dead	1	MILLBROOK
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	29/06/2005	Certain	Opportunistic sighting	Dead	1	BOVELL
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	13/03/2006	Certain	Opportunistic sighting	Day sighting	1	WHICHER
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	26/06/2006	Certain	Opportunistic sighting	Night sighting	1	

Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	24/05/2004	Certain	Opportunistic sighting	Night sighting	1	Capel
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	2/06/2010	Certain	Opportunistic sighting	Dead	1	
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	19/06/2010	Certain	Survey	Caught or trapped	1	
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	16/02/1987	Certain	Opportunistic sighting	Dead	1	Busselton
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	17/08/2018	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Yoganup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/01/1974	Certain	Survey	Caught or trapped	1	Boyanup
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	1/01/1974	Certain	Survey	Caught or trapped	1	Capel
Dasyurus geoffroi	chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	13/06/2019	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Vasse Highway
Dasyurus geoffroi	Chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU		WAM Vouchered	Collection	Specimen	1	
Dasyurus geoffroi	Chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU	25/05/1990	WAM Vouchered	Collection	Specimen	1	
Dasyurus geoffroi	Chuditch, western quoll	MAMMAL	Threatened - Vulnerable	VU		WAM Vouchered	Collection	Specimen	1	
Dermodochelys coriacea	leatherback turtle	REPTILE	Threatened - Vulnerable	EN	26/01/1982	Certain	Opportunistic sighting	Day sighting	1	Busselton
Diomedea exulans	Wandering albatross	BIRD	Threatened - Vulnerable	VU	26/06/2007	WAM Vouchered	Collection	Specimen	1	
Diomedea exulans	Wandering albatross	BIRD	Threatened - Vulnerable	VU		WAM Vouchered	Collection	Specimen	1	
Diomedea exulans	wandering albatross	BIRD	Specially Protected - migratory	VU	5/09/1972	Certain	Opportunistic sighting	Day sighting	1	Wonnerup
Elapognathus minor	Short-nosed snake	REPTILE	Priority		7/02/1969	WAM Vouchered	Collection	Specimen	1	
Eubalaena australis	southern right whale	MAMMAL	Threatened - Vulnerable	EN	5/08/2008	Certain	Opportunistic sighting	Day sighting	2	Dalyellup
Eubalaena australis	southern right whale	MAMMAL	Threatened - Vulnerable	EN	18/07/2013	Certain	Opportunistic sighting	Day sighting	1	Ngari Capes and Reserve Authority
Falco peregrinus	peregrine falcon	BIRD	Specially Protected - other specially protected		16/02/1994	Certain	Survey	Day sighting	1	Busselton
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		5/12/2008	Certain	Survey	Unknown	1	FORREST BEACH
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		21/12/2012	Certain	Survey	Unknown	1	LUDLOW
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		18/12/2014	Certain	Survey	Unknown	1	LUDLOW
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		16/10/2007				0	Fairlaw, Busselton
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		6/12/2014				0	AU-WA-Wonnerup-Tuart forest, southern section
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		4/02/2012				0	Pioneer Cove & Ford Rd
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		24/09/2001				0	Wonnerup Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		7/08/2011				0	Vasse River & Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		27/10/2011				0	Vasse Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		29/01/2012				0	Vasse River
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		3/05/2012				0	Geographe Bay Jetty
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		2/02/2018				0	Broadwater Nature Reserve
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		10/02/2018				0	Busselton
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		18/07/1999				0	Wonnerup Tuart Forest
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		27/10/2002				0	Vasse River
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		31/07/1977				0	
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		2/02/2007				0	Wonnerup Estuary Floodgates
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		8/12/2007				0	Vasse Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		20/02/2008				0	Vasse River/ Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		5/10/2006				0	Vasse Wannerup Estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		2/01/2008				0	Wonnerup paddocks
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		31/12/2010				0	Fairlaw, Busselton
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		5/08/1999				0	15km E of Capel
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		17/12/1999				0	15km E of Capel
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		14/11/1999				0	Busselton Park
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		15/06/2009				0	Wonnerup Tuart Forest
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		16/01/2010				0	Malbup bird hide, Wonnerup
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		31/05/2009				0	Vasse R estuary
Falco peregrinus	Peregrine falcon	BIRD	Specially Protected - other specially protected		16/10/2007				0	Matbup hide, Wonnerup
Falstirellus mackenziei	western false pipistrelle, western falsistrelle	MAMMAL	Priority		1/01/1986	Certain	Historical (written)	Caught or trapped	1	Ludlow
Falstirellus mackenziei	western false pipistrelle, western falsistrelle	MAMMAL	Priority		7/12/2007	Certain	Survey	Secondary sign	0	Stratham
Falstirellus mackenziei	Western false pipistrelle, western falsistrelle	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	13/12/2018	Very Certain (photo, specimen, expert)	Survey	Caught or trapped	20	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	14/12/2018	Very Certain (photo, specimen, expert)	Survey	Caught or trapped	20	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	11/10/2018	Certain	Survey	Caught or trapped	26	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	11/10/2018	Certain	Survey	Caught or trapped	54	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	13/10/2018	Certain	Survey	Caught or trapped	8	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	12/10/2018	Certain	Survey	Caught or trapped	21	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	13/10/2018	Certain	Survey	Caught or trapped	2	Gelorup
Galaxiella nigrostriata	black-stripe minnow, black-striped dwarf galaxias	FISH	Threatened - Endangered	EN	13/10/2018	Certain	Survey	Caught or trapped	2	Gelorup
Geotria australis	pouched lamprey	FISH	Priority		1/01/1996	Certain	Survey	Caught or trapped	0	Capel
Helicarion castanea	a helicarionid land snail	INVERTEBRATE	Extinct		1/01/1940	Certain	Historical (written)	Caught or trapped	2	Geographe Bay
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/10/2014				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/11/2011				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/10/2014				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/08/2013				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/12/2003				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/11/2014				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/09/1989				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/10/2014				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		31/07/2013				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/11/2010				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/11/1952				0	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		30/11/2012				0	
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/03/2001	Certain	Survey	Caught or trapped	1	Ludlow
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/04/1977	Certain	Survey	Caught or trapped	1	Busselton
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority			Certain	Historical (written)	Dead	1	Vasse
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority			Certain	Historical (written)	Caught or trapped	1	Capel
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority			Certain	Historical (written)	Dead	1	Busselton
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/01/1914	Certain	Historical (written)	Caught or trapped	1	Busselton
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/01/1912	Certain	Historical (written)	Caught or trapped	1	Busselton
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		5/05/1992	Moderately certain	Opportunistic sighting	Dead	1	LUDLOW
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		26/03/2015	Certain	Opportunistic sighting	Day sighting	1	Chapman Hill
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		17/04/2015	Certain	Opportunistic sighting	Day sighting	1	Chapman Hill
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/01/1966	Certain	Survey	Caught or trapped	1	Stirling Estate
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/01/1964	Certain	Survey	Caught or trapped	1	
Hydromys chrysogaster	water-rat, rakali	MAMMAL	Priority		1/10/2002	Certain	Survey	Day sighting	1	Straham
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	

Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority			WAM Vouchered	Collection	Specimen	1	
Hydromys chrysogaster	Water-rat, rakali	MAMMAL	Priority		19/10/1912	WAM Vouchered	Collection	Specimen	1	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	14/05/2000				0	Scout Hut Beach, Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	17/06/2000				0	Vasse - Wonnerup Estuary, Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	30/09/2000				0	Radison Hotel Resort, Caves Road, Marybrook
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	24/04/2000				0	Lockville Coast
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Swamp
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	7/12/1980				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	13/10/1980				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	14/05/2011				0	Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	21/08/2011				0	Wonnerup wetlands
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/07/2000				0	Busselton Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Wonnerup Lock
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	17/07/2011				0	Roadside
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	14/01/1977				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	21/06/2014				0	Busselton, King St car park
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	20/06/2014				0	Busselton Amalfi
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	15/01/2001				0	Lockville Coast
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	13/04/2001				0	Port Geographe Marina
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	7/03/2013				0	Vasse Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	20/02/2014				0	Busselton Peppermint Park Caravan Park and surrounds
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	17/03/2014				0	Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	5/01/1978				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Estuary - Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Estuary - Vasse and Wonnerup Floodgates
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Vasse Wonnerup not mapped areas
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Tuart Forest NP
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Vasse & Wonnerup floodgates
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2012				0	Vasse & Wonnerup floodgates
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Vasse & Wonnerup floodgates
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2012				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	8/02/2014				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	31/01/2015				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Pioneer Cove & Ford Rd
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Tuart Forest NP, Abba River
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Sabina Reserve
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Sabina Reserve, Port Geo fence
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/07/2017				0	Stirling Wetlands
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	16/09/2001				0	Vasse - Wonnerup Estuary, Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	6/11/2001				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	13/12/2001				0	Scout Hut Beach, Busselton
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	29/01/2012				0	Vasse River
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	18/03/2012				0	Vasse Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	10/05/2012				0	Geographe Bay Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	17/05/2012				0	Geographe Bay Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	21/06/2012				0	Geographe Bay Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	5/07/2012				0	Geographe Bay Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	11/02/2018				0	Busselton Jetty
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	21/02/2018				0	Wonnerup Estuary Surge Barrier
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	18/05/2001				0	Lockville Coast
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/12/2001				0	Busselton Motel
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	10/02/2002				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	22/04/2002				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/10/2003				0	Peppermint Grove Beach
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	4/07/1977				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	8/10/2005				0	Geographe Bay
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	31/05/1978				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	2/02/2007				0	Wonnerup Inlet Bridge
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/01/2007				0	Geographe Bay
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	13/08/2007				0	Geographe Bay
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	21/02/2008				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	13/01/2008				0	Vasse Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	23/02/2008				0	Geographe Bay
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	18/09/2006				0	Busselton Vpark
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	22/02/2002				0	Vasse Swamp
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	25/11/2007				0	Wonnerup Floodgate, Vasse Wonn
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Wonnerup Estuary, Forrest Beac
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Wonnerup Estuary, Forrest Beac
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Tuart Forest NP, Vasse Wonneru
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	10/09/2002				0	The Broadwater
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/12/2003				0	The Broadwater
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	7/06/2004				0	The Broadwater
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/01/2000				0	Malbup Creek
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	8/01/2000				0	Capel Cut
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	14/01/1999				0	Capel Cut
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	7/10/1979				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	6/03/2000				0	Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	29/04/2000				0	Wonnerup
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	19/03/2000				0	Vasse - Wonnerup Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	20/07/2009				0	Vasse R & Estuary
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	20/01/2008				0	The Broadwater
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	11/01/2008				0	570 Caves Road
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	24/03/1980				0	
Hydroprogne caspia	Caspian Tern	BIRD	Specially Protected - migratory	MI	3/01/1999				0	Vasse system, Wonnerup

Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	16/10/2007				0	Tuart Forest NP
Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Tuart Forest NP
Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	6/02/2016				0	Wonnerup Estuary
Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Tuart Forest NP, Abba River
Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	3/02/2018				0	Vasse- Wonnerup Webser Rd.
Limosa limosa	Black-tailed godwit	BIRD	Specially Protected - migratory	MI	1/02/2007				0	Estuary View Drive Vasse-Wonnerup
Macronectes giganteus	southern giant petrel	BIRD	Specially Protected - migratory	EN	3/07/1974	Certain	Translocation	Released	0	Busseton
Macronectes giganteus	southern giant petrel	BIRD	Specially Protected - migratory	EN	3/07/1973	Certain	Survey	Caught or trapped	1	Wonnerup
Macronectes giganteus	southern giant petrel	BIRD	Specially Protected - migratory	EN	24/04/2008	Certain	Opportunistic sighting	Day sighting	1	South Bunbury
Macronectes giganteus	southern giant petrel	BIRD	Specially Protected - migratory	EN	31/07/2011	Certain	Translocation	Released	1	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN	1/06/1978				0	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN	28/06/1904	WAM Vouchered	Collection	Specimen	1	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN	15/07/1930	WAM Vouchered	Collection	Specimen	1	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN		WAM Vouchered	Collection	Specimen	1	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN	26/06/1937	WAM Vouchered	Collection	Specimen	1	
Macronectes giganteus	Southern giant petrel	BIRD	Specially Protected - migratory	EN		WAM Vouchered	Collection	Specimen	1	
Macronectes halli	Northern giant petrel	BIRD	Specially Protected - migratory	VU	31/03/1979				0	
Macrotis lagotis	bilby, dalgyte, ninu	MAMMAL	Threatened - Vulnerable	VU	4/08/1972	Not sure	Targeted survey	Caught or trapped	0	Geographe
Megaptera novaeangliae	humpback whale	MAMMAL	Specially Protected - conservation dependent	VU	9/10/2020	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Peppermint Grove Beach
Megaptera novaeangliae	Humpback whale	MAMMAL	Specially Protected - conservation dependent	VU	14/10/2009	Certain	Survey	Unknown	1	BUSSELTON
Megaptera novaeangliae	Humpback whale	MAMMAL	Specially Protected - conservation dependent	VU	16/10/2009	Certain	Survey	Unknown	4	BROADWATER
Megaptera novaeangliae	Humpback whale	MAMMAL	Specially Protected - conservation dependent	VU	7/10/2010	Certain	Survey	Unknown	2	DALYELLUP
Neophoca cinerea	Australian sea-lion	MAMMAL	Threatened - Vulnerable	EN	28/04/2019	Very Certain (photo, specimen, expert)	Opportunistic sighting	Sighting	1	Busseton
Notamacropus irma	western brush wallaby	MAMMAL	Priority		12/06/1975	Certain	Targeted survey	Sighting	1	Gelorup
Notamacropus irma	western brush wallaby	MAMMAL	Priority		10/10/1991	Certain	Survey	Day sighting	2	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		10/01/1988	Certain	Survey	Day sighting	2	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		8/01/1988	Certain	Survey	Night sighting	1	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		16/09/1987	Certain	Survey	Night sighting	2	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		30/03/1982	Certain	Survey	Day sighting	3	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		1/05/1979	Certain	Survey	Day sighting	1	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		11/06/1988	Certain	Survey	Night sighting	1	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		14/11/1987	Certain	Survey	Day sighting	2	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		21/01/1985	Certain	Opportunistic sighting	Night sighting	2	Capel
Notamacropus irma	western brush wallaby	MAMMAL	Priority		29/10/1984	Certain	Survey	Day sighting	1	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		1/05/1985	Certain	Opportunistic sighting	Sighting	0	Capel Nature Reserve
Notamacropus irma	western brush wallaby	MAMMAL	Priority		1/01/1986	Certain	Opportunistic sighting	Sighting	1	Capel
Notamacropus irma	western brush wallaby	MAMMAL	Priority		1/01/1986	Certain	Opportunistic sighting	Sighting	1	Gelorup
Notamacropus irma	western brush wallaby	MAMMAL	Priority		22/02/2008	Certain	Opportunistic sighting	Day sighting	1	Gelorup
Notamacropus irma	western brush wallaby	MAMMAL	Priority		24/04/1995	Certain	Opportunistic sighting	Day sighting	1	Ruabon
Notamacropus irma	Western brush wallaby	MAMMAL	Priority		24/11/2009	Certain	Survey	Unknown	2	USHER
Notamacropus irma	western brush wallaby	MAMMAL	Priority		29/03/2015	Certain	Opportunistic sighting	Dead	1	MILLBROOK
Notamacropus irma	western brush wallaby	MAMMAL	Priority		15/10/2017	Very Certain (photo, specimen, expert)	Opportunistic sighting	Day sighting	2	Whicher National Park
Notamacropus irma	western brush wallaby	MAMMAL	Priority		12/10/2018	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Whicher National Park
Notamacropus irma	western brush wallaby	MAMMAL	Priority		2/05/1966	Certain			2	Capel
Notamacropus irma	western brush wallaby	MAMMAL	Priority		2/05/1966	Certain			4	Busseton
Notamacropus irma	western brush wallaby	MAMMAL	Priority		1/01/1941	Certain	Survey	Caught or trapped	1	Boyanup
Notamacropus irma	western brush wallaby	MAMMAL	Priority		11/03/2020	Certain	Opportunistic sighting	Day sighting	2	Dalyellup
Notamacropus irma	western brush wallaby	MAMMAL	Priority		28/07/2020	Very Certain (photo, specimen, expert)	Opportunistic sighting	Dead	1	Yoganup
Notamacropus irma	Western brush wallaby	MAMMAL	Priority		6/12/2011	Certain	Survey	Unknown	1	YOGANUP
Notamacropus irma	Western brush wallaby	MAMMAL	Priority		7/12/2014	Certain	Survey	Unknown	1	USHER
Notamacropus irma	Western brush wallaby	MAMMAL	Priority		10/12/2014	Certain	Survey	Unknown	1	USHER
Notamacropus irma	Western brush wallaby	MAMMAL	Priority		4/02/2015	Certain	Survey	Unknown	1	USHER
Numenius madagascariensis	Eastern curlew	BIRD	Threatened - Critically endangered	CR	7/12/1980				0	
Numenius madagascariensis	Eastern curlew	BIRD	Threatened - Critically endangered	CR	24/10/1981				0	
Numenius phaeopus	Whimbrel	BIRD	Specially Protected - migratory	MI	7/12/1980				0	
Onychoprion anaethetus	Bridled tern	BIRD	Specially Protected - migratory	MI	25/04/1991	WAM Vouchered	Collection	Specimen	1	
Oxyura australis	Blue-billed duck	BIRD	Priority		9/07/2000				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		22/06/2000				0	Vasse River, Busseton
Oxyura australis	Blue-billed duck	BIRD	Priority		11/01/2014				0	Hardwick property Capel
Oxyura australis	Blue-billed duck	BIRD	Priority		18/10/2000				0	Busseton Railway Station wetland, Vasse - Wonnerup Estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		18/10/2000				0	Vasse River, Busseton
Oxyura australis	Blue-billed duck	BIRD	Priority		13/11/2000				0	Busseton Railway Station wetland, Vasse - Wonnerup Estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		21/09/2000				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		16/10/2000				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		11/11/2000				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		8/12/1981				0	WONNERUP
Oxyura australis	Blue-billed duck	BIRD	Priority		28/03/2001				0	Busseton Park
Oxyura australis	Blue-billed duck	BIRD	Priority		5/12/2014				0	Malbup Creek Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		6/02/2016				0	Pioneer Cove & Ford Rd
Oxyura australis	Blue-billed duck	BIRD	Priority		8/02/2014				0	Vasse-Wonnerup: Town Site
Oxyura australis	Blue-billed duck	BIRD	Priority		4/02/2017				0	Vasse-Wonnerup: Town Site Pioneer Cove Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		17/10/2001				0	Vasse - Wonnerup Estuary, Busseton
Oxyura australis	Blue-billed duck	BIRD	Priority		25/10/2001				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		12/08/2001				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		29/09/2001				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		29/01/2012				0	Vasse River
Oxyura australis	Blue-billed duck	BIRD	Priority		11/02/2018				0	Busseton Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		12/02/2018				0	KBA-Busseton Wetlands-20min2ha-7
Oxyura australis	Blue-billed duck	BIRD	Priority		12/02/2018				0	Vasse River Delta Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		3/02/2018				0	Vasse-Wonnerup: Town Site Pioneer Cove Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		6/03/2018				0	Peel Terrace bird hide
Oxyura australis	Blue-billed duck	BIRD	Priority		17/03/2018				0	Busseton Bird Hide
Oxyura australis	Blue-billed duck	BIRD	Priority		12/11/2002				0	McCarleys Swamp Ludlow
Oxyura australis	Blue-billed duck	BIRD	Priority		27/10/2002				0	Vasse River
Oxyura australis	Blue-billed duck	BIRD	Priority		18/08/2002				0	Vasse River
Oxyura australis	Blue-billed duck	BIRD	Priority		16/10/1998				0	Matbup hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		6/10/1999				0	Rotary Park, Busseton
Oxyura australis	Blue-billed duck	BIRD	Priority		16/09/1999				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		10/11/2004				0	Vasse River

Oxyura australis	Blue-billed duck	BIRD	Priority		8/11/2006				0	Vasse River
Oxyura australis	Blue-billed duck	BIRD	Priority		7/10/2007				0	Broadwater
Oxyura australis	Blue-billed duck	BIRD	Priority		14/06/2008				0	VasseRiver/Estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		8/10/2006				0	Town area Busselton
Oxyura australis	Blue-billed duck	BIRD	Priority		28/10/2007				0	Layman Rd Wetland, Vasse Wonne
Oxyura australis	Blue-billed duck	BIRD	Priority		28/10/2007				0	Vasse Floodgates, Vasse Wonner
Oxyura australis	Blue-billed duck	BIRD	Priority		28/10/2007				0	Malbup Ck Birdhide, Vasse Wonn
Oxyura australis	Blue-billed duck	BIRD	Priority		25/11/2007				0	Town Site, Vasse Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		25/11/2007				0	Wonnerup Estuary, Forrest Beac
Oxyura australis	Blue-billed duck	BIRD	Priority		27/01/2008				0	Town Site, Vasse Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		6/12/2001				0	The Broadwater
Oxyura australis	Blue-billed duck	BIRD	Priority		9/08/2009				0	Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		6/12/2009				0	Busselton
Oxyura australis	Blue-billed duck	BIRD	Priority		7/12/2009				0	Wonnerup Layman picnic site
Oxyura australis	Blue-billed duck	BIRD	Priority		14/11/1999				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		18/12/1999				0	Malbup bird hide, Wonnerup
Oxyura australis	Blue-billed duck	BIRD	Priority		15/11/1979				0	CAPEL
Oxyura australis	Blue-billed duck	BIRD	Priority		4/07/2008				0	Vasse R & Estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		10/08/2008				0	Vasse R & estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		24/08/2009				0	Capel Wetlands Centre
Oxyura australis	Blue-billed duck	BIRD	Priority		14/09/2009				0	Vasse R & Estuary
Oxyura australis	Blue-billed duck	BIRD	Priority		15/01/1999				0	Wonnerup Malbub bird hide
Oxyura australis	Blue-billed duck	BIRD	Priority		23/10/1998				0	McCarleys Swamp
Pachysaga strobila	Vasse pachysaga (Busselton-Donnybrook)	INVERTEBRATE	Priority		7/12/1982	Certain	Survey	Caught or trapped	1	Kealy
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	15/02/2017	Not Sure		Feathers collected from nesting/roosting area	7	BUSSELTON
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	7/11/1999				0	Lockville Coast
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	7/12/1980				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	27/03/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	14/01/1977				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	25/06/2014				0	Wonnerup Beach Car Pk
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	25/06/2014				0	Wonnerup Forrest R Estuary Bch
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	18/09/2015				0	Vasey-Wonnerup Wetland Bridge
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	21/06/1977				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	20/02/2014				0	Busselton Peppermint Park Caravan Park and surrounds
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	22/02/2014				0	Wonnerup Estuary Floodgates
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	22/02/2015				0	Busselton Bird Hide
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	14/02/2001				0	Wonnerup Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Pioneer Cove & Ford Rd
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	16/07/2017				0	Stirling Wetlands
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	6/11/2001				0	Wonnerup Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	16/02/2017				0	Broadwater Nature Reserve
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	27/10/2011				0	Vasse Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	11/03/2018				0	New River west of Queen Elizabeth Ave
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	17/03/2018				0	Roundabout next to drain
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	25/03/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	31/03/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	15/04/2006				0	garden (develop/natives) Busselton, WA
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	18/01/2003				0	Wonnerup flood gates
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	3/10/2003				0	Peppermint Grove Beach
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	27/07/1977				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	18/07/2005				0	Wonnerup
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	8/11/2004				0	Malbup bird hide, Wonnerup
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	30/11/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	30/11/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	24/10/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	14/06/2008				0	VasseRiver/Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	11/03/2007				0	Vasse Floodgates, Vasse Wonner
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	28/10/2007				0	Estuary View Dr, Vasse Wonneru
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	25/11/2007				0	Wonnerup Floodgate, Vasse Wonn
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	27/01/2008				0	Wonnerup Estuary, Forrest Beac
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	9/12/2009				0	Busselton - Broadwater
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	31/05/1979				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	8/01/2000				0	Capel Cut
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	15/09/1978				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	27/04/2000				0	Wonnerup
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	19/03/2000				0	Vasse - Wonnerup Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	17/03/2009				0	Vasse Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	31/05/2009				0	Vasse R estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	28/10/2007				0	Vasse-Wonnerup Estuary
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	11/01/2008				0	570 Caves Road
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	15/01/1999				0	Wonnerup Malbub bird hide
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	3/01/1999				0	Vasse system, Wonnerup
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	30/06/1980				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	30/09/1980				0	
Pandion cristatus	Osprey, eastern osprey	BIRD	Specially Protected - migratory	MI	15/02/2017		Survey		0	
Phaethon rubricauda	Red-tailed tropicbird	BIRD	Priority	MI	31/12/1977				0	
Phaethon rubricauda	Red-tailed tropicbird	BIRD	Priority	MI	21/03/1978				0	
Phaethon rubricauda	Red-tailed tropicbird	BIRD	Priority	MI	19/01/1979				0	
Phaethon rubricauda	Red-tailed tropicbird	BIRD	Priority	MI	5/12/1939	WAM Vouchered	Collection	Specimen	1	
Phaethon rubricauda	Red-tailed tropicbird	BIRD	Priority	MI		WAM Vouchered	Collection	Specimen	1	
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		31/03/2001	Certain	Survey	Caught or trapped	1	Ludlow
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		1/08/1999	Certain	Survey	Caught or trapped	2	Gwindinup
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		1/12/1999	Certain	Survey	Caught or trapped	1	Gwindinup
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		1/12/1999	Certain	Survey	Caught or trapped	1	Gwindinup
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		2/07/2004	Certain	Opportunistic sighting	Night sighting	1	Busselton
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		1/07/1985	Certain	Opportunistic sighting	Dead	1	Capel/Stirling Estate
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		1/01/1985	Certain	Opportunistic sighting	Sighting	1	Tutanup
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		28/05/2007	Certain	Opportunistic sighting	Dead	1	Capel
Phascogale tapoatafa wambenger	south-western brush-tailed phascogale, wambenger	MAMMAL	Specially Protected - conservation dependent		13/12/2007	Certain	Survey	Caught or trapped	1	Stratham

Setonix brachyurus	Quokka	MAMMAL	Threatened - Vulnerable	VU		WAM Vouchered	Collection	Specimen	1	
Setonix brachyurus	Quokka	MAMMAL	Threatened - Vulnerable	VU	10/06/1975	WAM Vouchered	Collection	Specimen	1	
Setonix brachyurus	Quokka	MAMMAL	Threatened - Vulnerable	VU	25/09/2002	WAM Vouchered	Collection	Specimen	1	
Setonix brachyurus	Quokka	MAMMAL	Threatened - Vulnerable	VU	10/03/2008	WAM Vouchered	Collection	Specimen	1	
Setonix brachyurus	Quokka	MAMMAL	Threatened - Vulnerable	VU	10/03/2008	WAM Vouchered	Collection	Specimen	1	
Stercorarius antarcticus lonnbergi	Brown Skua, Subantarctic skua	BIRD	Priority		22/08/2000				0	Busseton Jetty
Thalassarche carteri	Indian yellow-nosed albatross	BIRD	Threatened - Endangered	VU	7/11/2011	Certain	Survey	Caught or trapped	1	
Thalassarche carteri	Indian yellow-nosed albatross	BIRD	Threatened - Endangered	VU	12/09/2012	Certain	Opportunistic sighting	Dead	1	WELLINGTON
Thalassarche cauta cauta	Shy albatross	BIRD	Threatened - Vulnerable	MI	11/07/1964	WAM Vouchered	Collection	Specimen	1	
Thalassarche chrysostoma	Grey-headed albatross	BIRD	Threatened - Vulnerable	EN	2/07/1986	WAM Vouchered	Collection	Specimen	1	
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	24/08/2020	Very Certain (photo, specimen, expert)	Opportunistic sighting	Taken into care	1	Geographe
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	14/05/2000				0	Scout Hut Beach, Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	30/09/2000				0	Radison Hotel Resort, Caves Road, Marybrook
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	28/03/1999				0	Wonnerup
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	2/03/2012				0	Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	7/12/1980				0	DALYELLUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	13/10/1980				0	WONNERUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	21/10/1979				0	WONNERUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	14/05/2011				0	Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	20/01/2012				0	Busseton Area
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	3/07/2000				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/08/2000				0	Vasse - Wonnerup Estuary
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	22/08/2000				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	22/08/2000				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	20/06/2014				0	Busseton Amalfi
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	29/08/2015				0	layman rd
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	29/08/2015				0	geographe bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	3/07/2000				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	24/10/1981				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	24/09/2012				0	Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	13/04/2001				0	Port Geographe Marina
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	21/02/2014				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	28/09/1981				0	WONNERUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	2/11/2014				0	Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	17/03/2014				0	Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	5/01/1978				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	22/05/1977				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	4/02/1977				0	ABBEY
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/02/2013				0	Vasse & Wonnerup floodgates
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	4/02/2017				0	Vasse Estuary Floodgate
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	8/03/2017				0	Sandy Bay Beach
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	7/11/1998				0	11km W of Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	27/10/2011				0	Vasse Estuary
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	29/01/2012				0	Vasse River
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	3/05/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/05/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	17/05/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	24/05/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	14/06/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	21/06/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	5/07/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	26/07/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	9/08/2012				0	Geographe Bay Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/02/2018				0	Busseton jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	23/02/2018				0	Geographe marina
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	15/10/1999				0	Siesta Park Holiday Resort, via Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	11/03/2018				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	12/10/2012				0	Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	28/02/2012				0	Camp Grace, Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	5/06/1978				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	1/01/1978				0	ABBEY
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	16/11/1977				0	ABBEY
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	16/11/1977				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	12/09/1977				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	3/12/2001				0	Busseton Motel
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/02/2002				0	Wonnerup Estuary
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	28/08/1977				0	WONNERUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	31/07/1977				0	DALYELLUP
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	14/03/1977				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	13/03/1977				0	PEPPERMINT GROVE BEACH
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	8/10/2005				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	28/09/2005				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	4/08/2005				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	6/03/2005				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	10/11/2004				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	1/07/2005				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	29/01/2005				0	Geographe Bay Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	19/02/2005				0	Geographe Bay Busseton Jetty
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	3/01/2007				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	9/07/2007				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	13/08/2007				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	5/12/2007				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	8/12/2007				0	Vasse Estuary
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	23/02/2008				0	Geographe Bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	30/03/2008				0	Geographe bay
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	8/10/2006				0	Town area Busseton
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	26/06/2009				0	Busseton (Jetty)
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	16/10/2002				0	The Broadwater
Thalasseus bergii	crested tern	BIRD	Specially Protected - migratory	MI	9/12/2009				0	Busseton - Broadwater

Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	16/05/2011			0	Busseton
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	22/01/2012			0	Busseton Area
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	2/03/2012			0	Busseton
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	28/02/1979			0	ABBEY
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	31/12/1978			0	ABBEY
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	19/01/1979			0	PEPPERMINT GROVE BEACH
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	2/09/1977			0	DALYELLUP
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	8/01/2000			0	Capel Cut
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	14/01/1999			0	Capel Cut
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	7/10/1979			0	WONNERUP
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	25/04/1979			0	WONNERUP
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	4/07/2008			0	Geographe Bay
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	7/09/1979			0	PEPPERMINT GROVE BEACH
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	7/05/1979			0	PEPPERMINT GROVE BEACH
Thalasseus bergii	Crested tern	BIRD	Specially Protected - migratory	MI	11/01/1979			0	ABBEY
Thinornis rubricollis	Hooded plover, hooded dotterel	BIRD	Priority		5/01/1978			0	
Thinornis rubricollis	Hooded plover, hooded dotterel	BIRD	Priority		22/05/1977			0	
Thinornis rubricollis	Hooded plover, hooded dotterel	BIRD	Priority		13/02/2001			0	Wonnerup Beach
Thinornis rubricollis	Hooded plover, hooded dotterel	BIRD	Priority		31/03/1979			0	
Thinornis rubricollis	Hooded plover, hooded dotterel	BIRD	Priority		14/10/1998			0	Peppermint Grove Beach
Tringa brevipes	Grey-tailed tattler	BIRD	Priority	MI	7/12/1980			0	
Tringa brevipes	Grey-tailed tattler	BIRD	Priority	MI	24/10/1981			0	
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Wonnerup Estuary
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	8/02/2014			0	Broadwater Nature Reserve (WA)
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	4/03/2018			0	Malbup Bird Hide
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	13/01/2008			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	27/01/2008			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2008			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	3/10/2001			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	6/11/2001			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	6/12/2001			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	13/11/2002			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	4/12/2002			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	1/01/2003			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	14/01/2003			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	6/10/2003			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	3/12/2003			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	7/01/2004			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2004			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	14/10/2004			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	13/11/2004			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	8/12/2004			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	2/01/2005			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	20/01/2008			0	The Broadwater
Tringa glareola	Wood sandpiper	BIRD	Specially Protected - migratory	MI	3/01/1999			0	Layman Road, Vasse system
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	28/03/1999			0	Wonnerup
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	7/12/1980			0	
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	13/10/1980			0	WONNERUP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	2/04/2011			0	Jan and Dicks Wonnerup Estuary
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	14/01/1977			0	WONNERUP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	13/02/2001			0	Malbup bird hide, Wonnerup
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	24/10/1981			0	
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	26/02/1981			0	WONNERUP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	12/03/1980			0	WONNERUP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	8/12/1981			0	WONNERUP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	13/04/2001			0	Port Geographe Marina
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/01/2015			0	Vasse Wonnerup Estuary
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/12/1977			0	
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Wonnerup Estuary
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Vasse and Wonnerup Floodgates
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Webster Rd
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Estuary View Drive
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Estuary - Malbup Creek
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Tuart Forest NP, Vasse Wonneru
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse Wonnerup not mapped areas
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Tuart Forest NP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Wonnerup Estuary
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Estuary View Drive
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Webster Rd
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	16/10/2007			0	Vasse & Wonnerup floodgates
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	8/02/2014			0	Broadwater Nature Reserve (WA)
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	6/02/2016			0	Broadwater Nature Reserve (WA)
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/01/2015			0	Broadwater Nature Reserve (WA)
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	10/02/2013			0	Estuary View Drive
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	6/02/2016			0	Estuary View Drive
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/01/2015			0	Layman Rd wetland
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	10/02/2013			0	Malbup Creek birdhide
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/01/2015			0	Malbup Creek birdhide
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	6/02/2016			0	Pioneer Cove & Ford Rd
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	10/02/2013			0	Sabina Nature Reserve
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	8/02/2014			0	Sabina Nature Reserve
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	6/02/2016			0	Sabina Nature Reserve
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	31/01/2015			0	Sabina Nature Reserve
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	10/02/2013			0	Tuart Forest NP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	4/02/2012			0	Tuart Forest NP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	8/02/2014			0	Tuart Forest NP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	6/02/2016			0	Tuart Forest NP
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	10/02/2013			0	Vasse & Wonnerup floodgates
Tringa nebularia	Common greenshank, greenshank	BIRD	Specially Protected - migratory	MI	4/02/2012			0	Vasse & Wonnerup floodgates

APPENDIX 6

Atlas of Living Australia Fauna Records (5 km)

Species	Vernacular Name	Class	Family	Genus	Conservation
<i>Ostorhinchus rueppellii</i>	Western Gobbleguts	Actinopterygii	Apogonidae	Ostorhinchus	
<i>Siphamia cephalotes</i>	Wood's Siphonfish	Actinopterygii	Apogonidae	Siphamia	
<i>Aracana aurita</i>	Striped Cowfish	Actinopterygii	Aracnidae	Aracana	
<i>Leptatherina presbyteroides</i>	Tamar Hardyhead	Actinopterygii	Atherinidae	Leptatherina	
<i>Atherinomorus vaigiensis</i>	Common Hardyhead	Actinopterygii	Atherinidae	Atherinomorus	
<i>Heteroclinus adelaidae</i>	Adelaide Weedfish	Actinopterygii	Clinidae	Heteroclinus	
<i>Cristiceps australis</i>	Southern Crested Weedfish	Actinopterygii	Clinidae	Cristiceps	
<i>Coryphaena hippurus</i>	Mahi Mahi	Actinopterygii	Coryphaenidae	Coryphaena	
<i>Galaxias occidentalis</i>	Western Galaxias	Actinopterygii	Galaxiidae	Galaxias	
<i>Glaucosoma hebraicum</i>	Westralian Jewfish	Actinopterygii	Glaucosomatidae	Glaucosoma	
<i>Cochleoceps spatula</i>	Spadenose Clingfish	Actinopterygii	Gobiesocidae	Cochleoceps	Global Invasive Species Information Network (GISIN)
<i>Cochleoceps viridis</i>	Green Clingfish	Actinopterygii	Gobiesocidae	Cochleoceps	
<i>Posidonichthys hutchinsi</i>	Posidonia Clingfish	Actinopterygii	Gobiesocidae	Posidonichthys	
<i>Siphonognathus radiatus</i>	Longray Weed Whiting	Actinopterygii	Labridae	Siphonognathus	
<i>Haletta semifasciata</i>	Blue Weed-whiting	Actinopterygii	Labridae	Haletta	
<i>Dotalabrus aurantiacus</i>	Ornate Wrasse	Actinopterygii	Labridae	Dotalabrus	
<i>Meuschenia flavolineata</i>	Yellowstriped Leatherjacket	Actinopterygii	Monacanthidae	Meuschenia	
<i>Meuschenia freycineti</i>	Orange-spotted Leatherjacket	Actinopterygii	Monacanthidae	Meuschenia	
<i>Scobinichthys granulatus</i>	Rough Leatherjacket	Actinopterygii	Monacanthidae	Scobinichthys	
<i>Acanthaluteres vittiger</i>	Toothbrush Leatherjacket	Actinopterygii	Monacanthidae	Acanthaluteres	
<i>Eubalichthys mosaicus</i>	Oval Leatherjacket	Actinopterygii	Monacanthidae	Eubalichthys	
<i>Acanthaluteres spilomelanurus</i>	Golden-eyed Leatherjacket	Actinopterygii	Monacanthidae	Acanthaluteres	
<i>Brachaluteres jacksonianus</i>	Pigmy Leatherjacket	Actinopterygii	Monacanthidae	Brachaluteres	
<i>Mugil cephalus</i>	Hard-gut Mullet	Actinopterygii	Mugilidae	Mugil	
<i>Liza argentea</i>	Gold-gill Mullet	Actinopterygii	Mugilidae	Liza	
<i>Neosebastes pandus</i>	Bighead Gurnard Perch	Actinopterygii	Neosebastidae	Neosebastes	
<i>Gambusia holbrooki</i>	Top Minnow	Actinopterygii	Poeciliidae	Gambusia	
<i>Thunnus maccoyii</i>	Southern Tuna	Actinopterygii	Scombridae	Thunnus	
<i>Acanthopagrus butcheri</i>	Black Bream	Actinopterygii	Sparidae	Acanthopagrus	
<i>Stigmatopora argus</i>	Gulf Pipefish	Actinopterygii	Syngnathidae	Stigmatopora	
<i>Vanacampus poecilolaemus</i>	Australian Long-nosed Pipefish	Actinopterygii	Syngnathidae	Vanacampus	
<i>Gymnapistes marmoratus</i>	Soldier	Actinopterygii	Tetrarogidae	Gymnapistes	
<i>Heleioporus eyrei</i>	Moaning Frog	Amphibia	Limnodynastidae	Heleioporus	
<i>Crinia insignifera</i>	Sign-bearing Froglet	Amphibia	Myobatrachidae	Crinia	
<i>Pseudophryne guentheri</i>	Gunther's Toadlet	Amphibia	Myobatrachidae	Pseudophryne	
<i>Austracantha minax</i>		Arachnida	Araneidae	Austracantha	
<i>Nephila edulis</i>	Australian Golden Orb-weaving Spider	Arachnida	Araneidae	Nephila	
<i>Celaenia excavata</i>		Arachnida	Araneidae	Celaenia	
<i>Battalus rugosus</i>		Arachnida	Corinnidae	Battalus	
<i>Sidymella trapezia</i>		Arachnida	Thomisidae	Sidymella	Global Invasive Species Information Network (GISIN)
<i>Nepanthia crassa</i>	Seastar	Asteroidea	Asterinidae	Nepanthia	
<i>Tosia australis</i>	Seastar	Asteroidea	Goniasteridae	Tosia	
<i>Pentagonaster duebeni</i>		Asteroidea	Goniasteridae	Pentagonaster	
<i>Fromia polypora</i>	Seastar	Asteroidea	Ophidiasteridae	Fromia	
<i>Anthaster valvulatus</i>	Seastar	Asteroidea	Oreasteridae	Anthaster	
<i>Acanthiza (Geobasileus) chrysorrhoea</i>	Yellow-tail	Aves	Acanthizidae	Acanthiza	
<i>Gerygone fusca</i>	Fuscous Warbler	Aves	Acanthizidae	Gerygone	
<i>Sericornis (Sericornis) frontalis</i>	White-fronted Scrubwren	Aves	Acanthizidae	Sericornis	
<i>Acanthiza (Acanthiza) apicalis</i>	Red-rumped Tit	Aves	Acanthizidae	Acanthiza	

<i>Acanthiza (Geobasileus) inornata</i>	Masters' Tit	Aves	Acanthizidae	Acanthiza	
<i>Smicrornis brevirostris</i>	Brown Weebill	Aves	Acanthizidae	Smicrornis	
<i>Haliastur sphenurus</i>	Whistling Eagle-hawk	Aves	Accipitridae	Haliastur	
<i>Circus approximans</i>	Australasian Harrier	Aves	Accipitridae	Circus	
<i>Haliaeetus (Pontoaetus) leucogaster</i>	White-bellied Sea-eagle	Aves	Accipitridae	Haliaeetus	
<i>Pandion haliaetus</i>	Osprey	Aves	Accipitridae	Pandion	
<i>Elanus axillaris</i>	Black-shouldered Kite	Aves	Accipitridae	Elanus	
<i>Aquila (Uroaetus) audax</i>	Wedge-tailed Eagle	Aves	Accipitridae	Aquila	
<i>Lophoictinia isura</i>	Square-tailed Kite	Aves	Accipitridae	Lophoictinia	
<i>Accipiter (Leucospiza) fasciatus</i>	Grey-headed Goshawk	Aves	Accipitridae	Accipiter	
<i>Hieraaetus (Hieraetus) morphnoides</i>	Little Eagle	Aves	Accipitridae	Hieraaetus	
<i>Accipiter (Paraspizias) cirrocephalus</i>	Collared Sparrowhawk	Aves	Accipitridae	Accipiter	
<i>Acrocephalus (Acrocephalus) australis</i>	Australian Reed Warbler	Aves	Acrocephalidae	Acrocephalus	
<i>Aegotheles (Aegotheles) cristatus</i>	Australian Owlet-nightjar	Aves	Aegothelidae	Aegotheles	
<i>Dacelo (Dacelo) novaeguineae</i>	Kookaburra	Aves	Alcedinidae	Dacelo	
<i>Todiramphus (Todiramphus) sanctus</i>	Sacred Kingfisher	Aves	Alcedinidae	Todiramphus	
<i>Anas (Anas) superciliosa</i>	Parera	Aves	Anatidae	Anas	
<i>Anas (Nettion) gracilis</i>	Oceanic Teal	Aves	Anatidae	Anas	
<i>Cygnus (Chenopsis) atratus</i>	Black Swan	Aves	Anatidae	Cygnus	
<i>Tadorna (Casarca) tadornoides</i>	Chestnut Sheldrake	Aves	Anatidae	Tadorna	
<i>Biziura lobata</i>	Musk Duck	Aves	Anatidae	Biziura	
<i>Chenonetta jubata</i>	Australian Wood Duckmaned Goose	Aves	Anatidae	Chenonetta	
<i>Anas rhynchotis</i>	Australasian Shoveler	Aves	Anatidae	Anas	
<i>Aythya (Nyroca) australis</i>	Brownhead	Aves	Anatidae	Aythya	
<i>Anas (Nettion) castanea</i>	Chestnut Teal	Aves	Anatidae	Anas	
<i>Spatula rhynchotis</i>	Australasian Shoveler	Aves	Anatidae	Spatula	
<i>Malacorhynchus membranaceus</i>	Pink-eared Duck	Aves	Anatidae	Malacorhynchus	
<i>Oxyura australis</i>	Blue-billed Duck	Aves	Anatidae	Oxyura	
<i>Dendrocygna arcuata</i>	Wandering Whistling-duck	Aves	Anatidae	Dendrocygna	
<i>Anhinga novaehollandiae</i>	Arrgarrg	Aves	Anhingidae	Anhinga	
<i>Egretta novaehollandiae</i>	Matuka	Aves	Ardeidae	Egretta	
<i>Egretta garzetta</i>	Lesser Egret	Aves	Ardeidae	Egretta	
<i>Casmerodius modesta</i>	Eastern Great Egret	Aves	Ardeidae	Casmerodius	
<i>Ardea alba</i>	Baluun	Aves	Ardeidae	Ardea	
<i>Ardea pacifica</i>	White-necked Heron	Aves	Ardeidae	Ardea	
<i>Nycticorax caledonicus</i>	Crane	Aves	Ardeidae	Nycticorax	
<i>Bubulcus ibis</i>	Cattle Egret	Aves	Ardeidae	Bubulcus	
<i>Gymnorhina tibicen</i>	Australian Magpie	Aves	Artamidae	Gymnorhina	
<i>Cracticus torquatus</i>	Grey Butcherbird	Aves	Artamidae	Cracticus	
<i>Artamus (Angroyan) cinereus</i>	Black-faced Woodswallow	Aves	Artamidae	Artamus	
<i>Artamus (Angroyan) cyanopterus</i>	Dusky Woodswallow	Aves	Artamidae	Artamus	
<i>Strepera (Neostrepera) versicolor</i>	Grey Currawong	Aves	Artamidae	Strepera	
<i>Eolophus roseicapilla</i>	Galah	Aves	Cacatuidae	Eolophus	
<i>Zanda baudinii</i>	Baudin's Black-cockatoo	Aves	Cacatuidae	Zanda	
<i>Cacatua (Licmetis) sanguinea</i>	Little Corella	Aves	Cacatuidae	Cacatua	
<i>Cacatua (Licmetis) tenuirostris</i>	Long-billed Corella	Aves	Cacatuidae	Cacatua	
<i>Calyptorhynchus (Calyptorhynchus) banksii</i>	Red-tailed Black Cockatoo	Aves	Cacatuidae	Calyptorhynchus	Global Invasive Species Information Network (GISIN)
<i>Coracina (Coracina) novaehollandiae</i>	Black-faced Cuckoo-shrike	Aves	Campephagidae	Coracina	
<i>Dromaius novaehollandiae</i>	Emu	Aves	Casuariidae	Dromaius	
<i>Charadrius (Charadrius) ruficapillus</i>	Red-capped Plover	Aves	Charadriidae	Charadrius	

<i>Elseyornis melanops</i>	Black-fronted Dotterel	Aves	Charadriidae	Elseyornis	
<i>Pluvialis fulva</i>	Pacific Golden Plover	Aves	Charadriidae	Pluvialis	
<i>Vanellus (Lobivanellus) tricolor</i>	Banded Lapwing	Aves	Charadriidae	Vanellus	
<i>Pluvialis squatarola</i>	Grey Plover	Aves	Charadriidae	Pluvialis	
<i>Charadrius (Charadrius) bicinctus</i>	Double-banded Plover	Aves	Charadriidae	Charadrius	
<i>Columba (Columba) livia</i>	Rock Pigeon	Aves	Columbidae	Columba	
<i>Ocyphaps lophotes</i>	Crested Pigeon	Aves	Columbidae	Ocyphaps	
<i>Phaps (Phaps) chalcoptera</i>	Common Bronzewing	Aves	Columbidae	Phaps	
<i>Phaps (Phaps) elegans</i>	Brush Bronzewing	Aves	Columbidae	Phaps	
<i>Corvus coronoides</i>	Australian Raven	Aves	Corvidae	Corvus	
<i>Corvus bennetti</i>	Little Crow	Aves	Corvidae	Corvus	
<i>Heteroscenes pallidus</i>	Pallid Cuckoo	Aves	Cuculidae	Heteroscenes	
<i>Chrysococcyx lucidus</i>	Shining Cuckoo	Aves	Cuculidae	Chalcites	
<i>Cacomantis (Vidgenia) flabelliformis</i>	Fan-tailed Cuckoo	Aves	Cuculidae	Cacomantis	
<i>Chalcites lucidus</i>	Shining Bronze-cuckoo	Aves	Cuculidae	Chalcites	
<i>Falco (Tinnunculus) cenchroides</i>	Wala	Aves	Falconidae	Falco	
<i>Falco (Falco) longipennis</i>	Australian Hobby	Aves	Falconidae	Falco	
<i>Falco (Hierofalco) peregrinus</i>	Duck Hawk	Aves	Falconidae	Falco	
<i>Falco (Ieracidea) berigora</i>	Chicken Hawk	Aves	Falconidae	Falco	
<i>Haematopus longirostris</i>	Pied Oystercatcher	Aves	Haematopodidae	Haematopus	
<i>Hirundo (Hirundo) neoxena</i>	Welcome Swallow	Aves	Hirundinidae	Hirundo	
<i>Petrochelidon (Hylochelidon) nigricans</i>	Tree Martin	Aves	Hirundinidae	Petrochelidon	
<i>Chroicocephalus novaehollandiae</i>	Silver Gull	Aves	Laridae	Chroicocephalus	
<i>Hydroprogne caspia</i>	Caspian Tern	Aves	Laridae	Hydroprogne	
<i>Thalasseus bergii</i>	Crested Tern	Aves	Laridae	Thalasseus	
<i>Larus pacificus</i>	Pacific Gull	Aves	Laridae	Larus	
<i>Chlidonias (Pelodes) hybrida</i>	Whiskered Tern	Aves	Laridae	Chlidonias	
<i>Anous stolidus</i>	Common Noddy	Aves	Laridae	Anous	
<i>Gelochelidon nilotica</i>	Gull-billed Tern	Aves	Laridae	Gelochelidon	Pest animals list
<i>Sternula nereis</i>	Fairy Tern	Aves	Laridae	Sternula	
<i>Poodytes gramineus</i>	Little Grassbird	Aves	Locustellidae	Poodytes	
<i>Cincloramphus (Cincloramphus) cruralis</i>	Brown Songlark	Aves	Locustellidae	Cincloramphus	
<i>Malurus (Malurus) splendens</i>	Splendid Fairy-wren	Aves	Maluridae	Malurus	
<i>Malurus (Leggeornis) elegans</i>	Red-winged Fairy-wren	Aves	Maluridae	Malurus	
<i>Anthochaera (Anthochaera) carunculata</i>	Red Wattlebird	Aves	Meliphagidae	Anthochaera	
<i>Epthianura (Epthianura) albifrons</i>	White-fronted Chat	Aves	Meliphagidae	Epthianura	
<i>Phylidonyris (Meliornis) novaehollandiae</i>	New Holland Honeyeater	Aves	Meliphagidae	Phylidonyris	
<i>Gavicalis virescens</i>	Singing Honeyeater	Aves	Meliphagidae	Gavicalis	
<i>Lichmera (Lichmera) indistincta</i>	Brown Honeyeater	Aves	Meliphagidae	Lichmera	
<i>Acanthorhynchus superciliosus</i>	Western Spinebill	Aves	Meliphagidae	Acanthorhynchus	
<i>Anthochaera (Anellobia) lunulata</i>	Western Wattlebird	Aves	Meliphagidae	Anthochaera	
<i>Melithreptus (Melithreptus) lunatus</i>	White-naped Honeyeater	Aves	Meliphagidae	Melithreptus	Global Invasive Species Information Network (GISIN)
<i>Phylidonyris (Meliornis) niger</i>	White-cheeked Honeyeater	Aves	Meliphagidae	Phylidonyris	
<i>Merops (Merops) ornatus</i>	Rainbow Bee-eater	Aves	Meropidae	Merops	
<i>Grallina cyanoleuca</i>	Magpie-lark	Aves	Monarchidae	Grallina	
<i>Myiagra (Seisura) inquieta</i>	Restless Flycatcher	Aves	Monarchidae	Myiagra	
<i>Anthus (Anthus) novaeseelandiae</i>	Australian Pipit	Aves	Motacillidae	Anthus	
<i>Daphoenositta (Neositta) chrysoptera</i>	Varied Sittella	Aves	Neosittidae	Daphoenositta	
<i>Pachycephala (Pachycephala) pectoralis</i>	Golden Whistler	Aves	Pachycephalidae	Pachycephala	
<i>Pachycephala (Alisterornis) rufiventris</i>	Rufous Whistler	Aves	Pachycephalidae	Pachycephala	

<i>Colluricincla (Colluricincla) harmonica</i>	Grey Shrike-thrush	Aves	Pachycephalidae	Colluricincla	
<i>Pardalotus (Pardalotinus) striatus</i>	Striated Pardalote	Aves	Pardalotidae	Pardalotus	
<i>Pardalotus (Pardalotus) punctatus</i>	Spotted Pardalote	Aves	Pardalotidae	Pardalotus	
<i>Pelecanus conspicillatus</i>	Australian Pelican	Aves	Pelecanidae	Pelecanus	
<i>Petroica (Petroica) boodang</i>	Scarlet Robin	Aves	Petroicidae	Petroica	
<i>Eopsaltria (Eopsaltria) griseogularis</i>	Western Yellow Robin	Aves	Petroicidae	Eopsaltria	
<i>Microcarbo melanoleucos</i>	Little Cormorant	Aves	Phalacrocoracidae	Microcarbo	
<i>Phalacrocorax (Phalacrocorax) sulcirostris</i>	Little Black Cormorant	Aves	Phalacrocoracidae	Phalacrocorax	
<i>Phalacrocorax (Phalacrocorax) varius</i>	Black-and-white Shag	Aves	Phalacrocoracidae	Phalacrocorax	
<i>Phalacrocorax (Phalacrocorax) carbo</i>	Great Cormorant	Aves	Phalacrocoracidae	Phalacrocorax	
<i>Podargus strigoides</i>	Tawny Frogmouth	Aves	Podargidae	Podargus	
<i>Tachybaptus novaehollandiae</i>	Australian Little Grebe	Aves	Podicipedidae	Tachybaptus	
<i>Poliiocephalus poliocephalus</i>	Hoary-headed Dabchick	Aves	Podicipedidae	Poliiocephalus	
<i>Podiceps cristatus</i>	Crested Grebe	Aves	Podicipedidae	Podiceps	
<i>Macronectes giganteus</i>	Southern Giant-petrel	Aves	Procellariidae	Macronectes	
<i>Pterodroma (Pterodroma) lessonii</i>	White-headed Fulmar	Aves	Procellariidae	Pterodroma	
<i>Barnardius zonarius</i>	Australian Ringneck	Aves	Psittacidae	Barnardius	
<i>Polytelis anthopeplus</i>	Regent Parrot	Aves	Psittacidae	Polytelis	
<i>Purpureicephalus spurius</i>	Red-capped Parrot	Aves	Psittacidae	Purpureicephalus	
<i>Platycercus (Violania) icterotis</i>	Western Rosella	Aves	Psittacidae	Platycercus	
<i>Parvipsitta porphyrocephala</i>	Purple-crowned Lorikeet	Aves	Psittacidae	Parvipsitta	
<i>Neophema (Neonanodes) elegans</i>	Elegant Parrot	Aves	Psittacidae	Neophema	
<i>Fulica atra</i>	Eurasian Coot	Aves	Rallidae	Fulica	
<i>Porphyrio (Porphyrio) porphyrio</i>	Purple Gallinule	Aves	Rallidae	Porphyrio	
<i>Gallinula (Gallinula) tenebrosa</i>	Dusky Moorhen	Aves	Rallidae	Gallinula	
<i>Gallirallus philippensis</i>		Aves	Rallidae	Gallirallus	
<i>Himantopus himantopus</i>	Pied Stilt	Aves	Recurvirostridae	Himantopus	
<i>Recurvirostra novaehollandiae</i>	Australian Red-necked Avocet	Aves	Recurvirostridae	Recurvirostra	
<i>Cladorhynchus leucocephalus</i>	Banded Stilt	Aves	Recurvirostridae	Cladorhynchus	
<i>Rhipidura (Sauloprocta) leucophrys</i>	Willie Wagtail	Aves	Rhipiduridae	Rhipidura	
<i>Rhipidura (Rhipidura) albiscapa</i>	Grey Fantail	Aves	Rhipiduridae	Rhipidura	
<i>Tringa (Rhyacophilus) glareola</i>	Wood Sandpiper	Aves	Scolopacidae	Tringa	
<i>Tringa (Glottis) nebularia</i>	Greenshank	Aves	Scolopacidae	Tringa	
<i>Actitis hypoleucos</i>	Common Sandpiper	Aves	Scolopacidae	Actitis	
<i>Limosa limosa</i>	Black-tailed Godwit	Aves	Scolopacidae	Limosa	
<i>Calidris (Erolia) acuminata</i>	Sharp-tailed Sandpiper	Aves	Scolopacidae	Calidris	
<i>Calidris (Ereunetes) ruficollis</i>	Red-necked Stint	Aves	Scolopacidae	Calidris	
<i>Calidris (Ereunetes) subminuta</i>	Long-toed Stint	Aves	Scolopacidae	Calidris	
<i>Arenaria interpres</i>	Ruddy Turnstone	Aves	Scolopacidae	Arenaria	
<i>Calidris (Erolia) melanotos</i>	Pectoral Sandpiper	Aves	Scolopacidae	Calidris	Global Invasive Species Information Network (GISIN)
<i>Calidris (Erolia) ferruginea</i>	Curlew Sandpiper	Aves	Scolopacidae	Calidris	
<i>Numenius (Phaeopus) phaeopus</i>	Whimbrel	Aves	Scolopacidae	Numenius	
<i>Calidris (Calidris) falcinellus</i>	Broad-billed Sandpiper	Aves	Scolopacidae	Calidris	
<i>Ninox (Ninox) novaeseelandiae</i>	Southern Boobook	Aves	Strigidae	Ninox	
<i>Morus serrator</i>	Australasian Gannet	Aves	Sulidae	Morus	
<i>Threskiornis moluccus</i>	Black-necked Ibis	Aves	Threskiornithidae	Threskiornis	
<i>Threskiornis spinicollis</i>	Letter Bird	Aves	Threskiornithidae	Threskiornis	
<i>Platalea (Platibis) flavipes</i>	Yellow-legged Spoonbill	Aves	Threskiornithidae	Platalea	
<i>Plegadis falcinellus</i>	Black Curlew	Aves	Threskiornithidae	Plegadis	
<i>Platalea (Platalea) regia</i>	Royal Spoonbill	Aves	Threskiornithidae	Platalea	

<i>Tyto novaehollandiae</i>	Masked Owl	Aves	Tytonidae	Tyto	
<i>Tyto javanica</i>	Eastern Barn Owl	Aves	Tytonidae	Tyto	Global Invasive Species Information Network (GISIN)
<i>Zosterops lateralis</i>	Silvereye	Aves	Zosteropidae	Zosterops	
<i>Arthritica semen</i>		Bivalvia	Lasaeidae	Arthritica	
<i>Mactra (Mactra) australis</i>	Southern Trough Shell	Bivalvia	Mactridae	Mactra	
<i>Cominella (Josepha) tasmanica</i>	Whelk	Gastropoda	Buccinidae	Cominella	Global Invasive Species Information Network (GISIN)
<i>Bulla quoyii</i>	Bubble Shell	Gastropoda	Bullidae	Bulla	
<i>Cassis fimbriata</i>	Bicarinated Helmet	Gastropoda	Cassidae	Cassis	
<i>Ceratosoma brevicaudatum</i>	Nudibranch	Gastropoda	Chromodorididae	Ceratosoma	Global Invasive Species Information Network (GISIN)
<i>Etrema (Etrema) paucimaculata</i>	Turrid Shell	Gastropoda	Clathurellidae	Etrema	
<i>Euplica bidentata</i>	Dove Shell	Gastropoda	Columbellidae	Euplica	
<i>Conus (Floraconus) anemone</i>	The Anemone Cone	Gastropoda	Conidae	Conus	Global Invasive Species Information Network (GISIN)
<i>Zoila friendii</i>		Gastropoda	Cypreaeidae	Zoila	
<i>Haliotis scalaris</i>	Staircase Abalone	Gastropoda	Haliotidae	Haliotis	
<i>Haliotis semiplicata</i>	Abalone	Gastropoda	Haliotidae	Haliotis	
<i>Macteola anomala</i>	Beaded Turrid	Gastropoda	Mangeliidae	Macteola	
<i>Nassarius (Zeuxis) pyrrhus</i>	Dog Whelk	Gastropoda	Nassariidae	Nassarius	Global Invasive Species Information Network (GISIN)
<i>Conuber conicus</i>	Conical Moon Snail	Gastropoda	Naticidae	Conuber	
<i>Ascorhis occidua</i>	Hydrobiid Snail	Gastropoda	Tateidae	Ascorhis	
<i>Tatea rufilabris</i>	Hydrobiid Snail	Gastropoda	Tateidae	Tatea	
<i>Odontotrochus chlorostomus</i>	Freycinet's Top Shell	Gastropoda	Trochidae	Odontotrochus	
<i>Phasianotrochus irisodontes</i>	Top Shell	Gastropoda	Trochidae	Phasianotrochus	
<i>Thalotia conica</i>	Top Shell	Gastropoda	Trochidae	Thalotia	
<i>Cantharidus lepidus</i>		Gastropoda	Trochidae	Cantharidus	
<i>Turbo (Carswellena) gruneri</i>	Turban Shell	Gastropoda	Turbinidae	Turbo	
<i>Turbo (Marmarostoma) kenwilliamsi</i>	Turban Shell	Gastropoda	Turbinidae	Turbo	
<i>Psolidiella maculosa</i>	Holothurian	Holothuroidea	Cucumariidae	Psolidiella	
<i>Neoamphicyclus altoffi</i>	Holothurian	Holothuroidea	Cucumariidae	Neoamphicyclus	
<i>Coryphistes ruricola</i>	Bark-mimicking Grasshopper	Insecta	Acrididae	Coryphistes	
<i>Acrida conica</i>	Giant Green Slant-face	Insecta	Acrididae	Acrida	
<i>Anax papuensis</i>		Insecta	Aeshnidae	Anax	
<i>Apis (Apis) mellifera</i>		Insecta	Apidae	Apis	
<i>Bibio imitator</i>		Insecta	Bibionidae	Bibio	
<i>Harpobittacus similis</i>		Insecta	Bittacidae	Harpobittacus	
<i>Melobasis gloriosa</i>		Insecta	Buprestidae	Melobasis	
<i>Castiarina subcincta</i>		Insecta	Buprestidae	Castiarina	
<i>Calliphora (Neocalliphora) albifrontalis</i>		Insecta	Calliphoridae	Calliphora	
<i>Calliphora (Calliphora) vicina</i>		Insecta	Calliphoridae	Calliphora	
<i>Calliphora (Paracalliphora) dubia</i>		Insecta	Calliphoridae	Calliphora	
<i>Stenoderus suturalis</i>		Insecta	Cerambycidae	Stenoderus	
<i>Bathyllus albicinctus</i>		Insecta	Cercopidae	Bathyllus	
<i>Paropsisterna amoena</i>		Insecta	Chrysomelidae	Paropsisterna	
<i>Eurymeloides punctata</i>		Insecta	Cicadellidae	Eurymeloides	
<i>Cis echidnoides</i>		Insecta	Cidae	Cis	
<i>Eleale aulicodes</i>		Insecta	Cleridae	Eleale	
<i>Cheilomenes sexmaculata</i>		Insecta	Coccinellidae	Cheilomenes	
<i>Coccinella transversalis</i>	Transverse Ladybird	Insecta	Coccinellidae	Coccinella	
<i>Harmonia conformis</i>		Insecta	Coccinellidae	Harmonia	
<i>Cleobora mellyi</i>		Insecta	Coccinellidae	Cleobora	
<i>Hemicordulia tau</i>		Insecta	Corduliidae	Hemicordulia	

<i>Mictis profana</i>	Crusader Bug	Insecta	Coreidae	Mictis	
<i>Catasarcus coruscus</i>		Insecta	Curculionidae	Catasarcus	
<i>Pelororhinus angustatus</i>		Insecta	Curculionidae	Pelororhinus	
<i>Parentia perthensis</i>		Insecta	Dolichopodidae	Parentia	
<i>Austrosciapus pulvillus</i>		Insecta	Dolichopodidae	Austrosciapus	
<i>Parentia nudicosta</i>		Insecta	Dolichopodidae	Parentia	
<i>Heteropsilopus brevicornis</i>		Insecta	Dolichopodidae	Heteropsilopus	
<i>Callococcus acaciae</i>		Insecta	Eriococcidae	Callococcus	
<i>Myrmecia ludlowi</i>		Insecta	Formicidae	Myrmecia	
<i>Myrmecia rufinodis</i>		Insecta	Formicidae	Myrmecia	
<i>Myrmecia nigriscapa</i>		Insecta	Formicidae	Myrmecia	
<i>Myrmecia swalei</i>		Insecta	Formicidae	Myrmecia	
<i>Myrmecia vindex</i>		Insecta	Formicidae	Myrmecia	
<i>Anonychomyrma itinerans</i>		Insecta	Formicidae	Anonychomyrma	
<i>Myrmecia pavidata</i>		Insecta	Formicidae	Myrmecia	
<i>Myrmecia urens</i>		Insecta	Formicidae	Myrmecia	
<i>Amblyopone clarki</i>		Insecta	Formicidae	Amblyopone	
<i>Rhytidoponera punctigera</i>		Insecta	Formicidae	Rhytidoponera	
<i>Iridomyrmex discors</i>		Insecta	Formicidae	Iridomyrmex	
<i>Camponotus johnclarki</i>		Insecta	Formicidae	Camponotus	
<i>Myrmecia rugosa</i>		Insecta	Formicidae	Myrmecia	
<i>Pheidole antipodum</i>		Insecta	Formicidae	Pheidole	
<i>Monomorium rothsteini</i>		Insecta	Formicidae	Monomorium	
<i>Monomorium sordidum</i>		Insecta	Formicidae	Monomorium	
<i>Myrmecia nigra</i>		Insecta	Formicidae	Myrmecia	
<i>Dolichoderus ypsilon</i>		Insecta	Formicidae	Dolichoderus	
<i>Iridomyrmex conifer</i>		Insecta	Formicidae	Iridomyrmex	
<i>Polyrhachis (Campomyrma) phryne</i>		Insecta	Formicidae	Polyrhachis	Invasive
<i>Camponotus ephippium</i>		Insecta	Formicidae	Camponotus	
<i>Camponotus rufus</i>		Insecta	Formicidae	Camponotus	
<i>Platythyrea turneri</i>		Insecta	Formicidae	Platythyrea	Pest animals list
<i>Monomorium rubriceps</i>		Insecta	Formicidae	Monomorium	
<i>Monomorium sydneyense</i>		Insecta	Formicidae	Monomorium	
<i>Iridomyrmex chasei</i>		Insecta	Formicidae	Iridomyrmex	Pest animals list
<i>Myrmecia chasei</i>		Insecta	Formicidae	Myrmecia	
<i>Monomorium kiliani</i>		Insecta	Formicidae	Monomorium	
<i>Meranoplus oceanicus</i>		Insecta	Formicidae	Meranoplus	
<i>Myrmecia desertorum</i>		Insecta	Formicidae	Myrmecia	
<i>Notoncus gilberti</i>		Insecta	Formicidae	Notoncus	
<i>Myrmecia infima</i>		Insecta	Formicidae	Myrmecia	
<i>Notoncus hickmani</i>		Insecta	Formicidae	Notoncus	
<i>Iridomyrmex turbineus</i>		Insecta	Formicidae	Iridomyrmex	
<i>Myrmecia testaceipes</i>		Insecta	Formicidae	Myrmecia	
<i>Stigmacros clarki</i>		Insecta	Formicidae	Stigmacros	
<i>Lasioglossum (Chilalictus) occiduuum</i>		Insecta	Halictidae	Lasioglossum	
<i>Lasioglossum (Chilalictus) lanarium</i>		Insecta	Halictidae	Lasioglossum	
<i>Trapezites argenteoornatus</i>	Silver-spotted Skipper	Insecta	Hesperiidae	Trapezites	
<i>Bifiditermes improbus</i>		Insecta	Kalotermitidae	Bifiditermes	
<i>Labidura riparia</i>	Common Brown Earwig	Insecta	Labiduridae	Labidura	Global Invasive Species Information Network (GISIN)
<i>Austrolestes annulosus</i>		Insecta	Lestidae	Austrolestes	

<i>Diplacodes bipunctata</i>		Insecta	Libellulidae	Diplacodes	
<i>Archimantis sobrina</i>	Large Brown Mantid	Insecta	Mantidae	Archimantis	
<i>Archiargiolestes pusillus</i>		Insecta	Megapodagrionidae	Archiargiolestes	
<i>Sidnia kinbergi</i>	Crop Mirid	Insecta	Miridae	Sidnia	
<i>Pygophora apicalis</i>		Insecta	Muscidae	Pygophora	
<i>Geitoneura minyas</i>	Western Xenica	Insecta	Nymphalidae	Geitoneura	
<i>Kapunda trougtoni</i>	Variable Shield Bug	Insecta	Pentatomidae	Kapunda	
<i>Pieris rapae</i>	Cabbage White Butterfly	Insecta	Pieridae	Pieris	
<i>Agenioideus nigricornis</i>		Insecta	Pompilidae	Agenioideus	
<i>Enasiba mirocera</i>		Insecta	Ptinidae	Enasiba	
<i>Coptotermes acinaciformis</i>	Subterranean Termite	Insecta	Rhinotermitidae	Coptotermes	
<i>Onthophagus evanidus</i>		Insecta	Scarabaeidae	Onthophagus	
<i>Onthophagus haagi</i>		Insecta	Scarabaeidae	Onthophagus	Global Invasive Species Information Network (GISIN)
<i>Onthophagus vermiculatus</i>		Insecta	Scarabaeidae	Onthophagus	
<i>Simosyrphus grandicornis</i>		Insecta	Syrphidae	Simosyrphus	
<i>Melangyna (Austrosyrphus) viridiceps</i>		Insecta	Syrphidae	Melangyna	
<i>Sphaerophoria macrogaster</i>		Insecta	Syrphidae	Sphaerophoria	
<i>Eristalis (Eristalis) tenax</i>	Drone Fly	Insecta	Syrphidae	Eristalis	
<i>Copidapha calabyi</i>		Insecta	Tabanidae	Copidapha	
<i>Copidapha regisgeorgii</i>		Insecta	Tabanidae	Copidapha	
<i>Trigonospila brevifacies</i>		Insecta	Tachinidae	Trigonospila	
<i>Quadra ornata</i>		Insecta	Tachinidae	Quadra	
<i>Camponotiphilus fimbriollis</i>		Insecta	Tenebrionidae	Camponotiphilus	
<i>Nasutitermes exitiosus</i>		Insecta	Termitidae	Nasutitermes	
<i>Ephelotermes argutus</i>		Insecta	Termitidae	Ephelotermes	
<i>Amitermes obeuntis</i>		Insecta	Termitidae	Amitermes	
<i>Hesperotermes infrequens</i>		Insecta	Termitidae	Hesperotermes	
<i>Metaballus frontalis</i>		Insecta	Tettigoniidae	Metaballus	Global Invasive Species Information Network (GISIN)
<i>Anabarhynchus spinosus</i>		Insecta	Therevidae	Anabarhynchus	
<i>Physiphora clausa</i>		Insecta	Ulidiidae	Physiphora	
<i>Polistes (Polistes) dominulus</i>		Insecta	Vespidae	Polistes	
<i>Polistes (Polistella) humilis</i>	Common Paper Wasp	Insecta	Vespidae	Polistes	
<i>Paraxiopsis brocki</i>	Slow Prawn	Malacostraca	Axiidae	Paraxiopsis	
<i>Phascogale tapoatafa</i>	Brush-tailed Phascogale	Mammalia	Dasyuridae	Phascogale	
<i>Oryctolagus cuniculus</i>	Rabbit	Mammalia	Leporidae	Oryctolagus	
<i>Mus musculus</i>	House Mouse	Mammalia	Muridae	Mus	
<i>Hydromys chrysogaster</i>	Rakali	Mammalia	Muridae	Hydromys	
<i>Pseudocheirus occidentalis</i>	Ngwayir	Mammalia	Pseudocheiridae	Pseudocheirus	
<i>Tarsipes rostratus</i>	Honey Possum	Mammalia	Tarsipedidae	Tarsipes	
<i>Falsistrellus mackenziei</i>	Western False Pipistrelle	Mammalia	Vespertilionidae	Falsistrellus	Pest animals list
<i>Mesoplodon grayi</i>	Gray's Beaked Whale (scamperdown Whale)	Mammalia	Ziphiidae	Mesoplodon	Global Invasive Species Information Network (GISIN)
<i>Hydrophis platurus</i>		Reptilia	Elapidae	Hydrophis	
<i>Suta nigriceps</i>	Mitchell's Short-tailed Snake	Reptilia	Elapidae	Suta	
<i>Pseudonaja affinis</i>	Dugite	Reptilia	Elapidae	Pseudonaja	
<i>Christinus marmoratus</i>	Marbled Gecko	Reptilia	Gekkonidae	Christinus	
<i>Hemiergus peronii</i>	Lowlands Earless Skink	Reptilia	Scincidae	Hemiergus	
<i>Morethia lineocellata</i>	West Coast Morethia Skink	Reptilia	Scincidae	Morethia	
<i>Menetia greyii</i>	Common Dwarf Skink	Reptilia	Scincidae	Menetia	
<i>Lerista elegans</i>	Elegant Slider	Reptilia	Scincidae	Lerista	
<i>Acritoscincus trilineatus</i>	Western Three-lined Skink	Reptilia	Scincidae	Acritoscincus	

<i>Ctenotus impar</i>	Odd-striped Ctenotus	Reptilia	Scincidae	Ctenotus	
<i>Egernia kingii</i>	King's Skink	Reptilia	Scincidae	Egernia	
<i>Hemiergis quadrilineata</i>	Two-toed Earless Skink	Reptilia	Scincidae	Hemiergis	
<i>Anilius australis</i>	Southern Blind Snake	Reptilia	Typhlopidae	Anilius	Pest animals list
<i>Cancellothyris hedleyi</i>	Brachiopod	Rhynchonellata	Cancellothyrididae	Cancellothyris	