

Flora, Vegetation & Fauna Report RAAF Pearce, Muchea

Prepared for PCB Asbestos and Demolition

January 2023



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Executive Summary

PBC Asbestos and Demolition (PCB) commissioned Western Ecological to undertake an Ecological Assessment at RAAF Pearce Muchea Firing Range, which is located approximately 45 km to the north of Perth, WA.

Western Ecological understands the client is proposing to undertake asbestos remediation control works in seven small areas and as such requires a flora and fauna assessment to be undertaken prior to clearing of any native vegetation. The seven areas total 0.8 ha and consist of degraded vegetation surrounding disused areas of infrastructure, with some areas displaying evidence of recent fire.

A reconnaissance flora and vegetation survey and basic terrestrial fauna survey was requested to provide supporting information for project planning and to inform environmental approvals.

It is important to note that the area surveyed for this report, extends beyond the intended area to be cleared. Potential clearing of vegetation required to undertake the asbestos remediation control works will be very limited (less than 0.4 ha), the majority of which shall be close to the Defence Infrastructure (buildings/structures/hardstand areas). The successful clean up and removal of asbestos from the site will require minor clearing of native vegetation, much of which is classed as Degraded. As such, potential disturbance to flora and particularly fauna, is likely to be minimal.

Flora Summary

The flora desktop assessment gathered contextual information on the survey area, which was verified during the field survey, this included:

- Nine Threatened Ecological Communities (TECs) and five Priority Ecological Communities (PECs) within 20 kms
 of the survey area. Four of the significant ecological communities were considered to have a high likelihood of
 occurrence within the survey area:
 - Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain Endangered (Cwth and WA)
 - Banksia Woodlands of the Swan Coastal Plain ecological community Endangered (Cwth), Priority 3
 (WA)
 - SCP21c Low lying Banksia attenuata woodlands or shrublands Endangered (Cwth), Priority 3 (WA)
 - SCP23b Swan Coastal Plain Banksia attenuata Banksia menziesii woodlands Endangered (Cwth),
 Priority 3 (WA).
- 46 conservation significant flora species occur within 20 km of the survey area. Four species were considered to have a high likelihood of occurrence within the survey area:
 - Darwinia foetida Critically Endangered (Cwth), Endangered (WA)
 - Leucopogon squarrosus subsp. trigynus Priority 2
 - Platysace ramosissima Priority 3
 - Verticordia serrata var. linearis Priority 3

The flora and vegetation spring survey was completed in spring during November 2022. A summary of the flora and vegetation values of the survey area include:

- Flora:
 - No Threatened or Priority flora were recorded
 - No Declared Pests or Weeds of National Significance were recorded
 - 46 conservation significant flora identified in the desktop assessment, four were considered to have a high likelihood of occurrence
 - A total of 60 flora species were recorded including 44 (73%) native species and 16 (27%) introduced
- Vegetation:
 - One TECs occurred within the survey area
 - Banksia WL SCP Banksia Woodlands of the Swan Coastal Plain ecological community Endangered (Cwth), Priority 3 (WA)



- Ten TECs and PECs within 20km of the survey area were identified in the desktop assessment, four TECs (three of which are PECs) were considered to have a high likelihood of occurrence
- One vegetation type occurred in the survey area: Banksia woodland
- Condition was mainly Degraded.

The survey area is highly degraded, however the one TEC - Banksia Woodlands of the Swan Coastal Plain ecological community (Endangered (Cwth), Priority 3 (WA)) occurs partly within the survey area. To reduce from the project the following flora recommendations are suggested:

- Avoid clearing the Banksia Woodlands of the Swan Coastal Plain ecological community TEC
- Undertake weed control along the survey boundary.

It is important to note, that although the survey area does contain the Banksia Woodland TEC, the vegetation is highly degraded, much of which surrounds the Defence Infrastructure (buildings/structures/hardstand areas etc). Therefore, the very limited clearing that is to take place for the remedial works, will likely have limited impact.

Fauna Summary

The fauna desktop assessment involved searches of the DBCA Threatened Fauna Database, NatureMap and the EPBC Protected Matters Search Tool (EPBC PMST) which were undertaken to identify fauna species of conservation significance potentially occurring in the survey area. These searches were centred on the mid-point of the survey area with a 20 km buffer applied to the DBCA Threatened Fauna Database and a 10 km buffer applied to NatureMap and the EPBC PMST:

Results of the databases searches identified the following:

- DBCA Threatened Fauna Database 33 conservation significant vertebrate fauna species (three reptile species, 22 bird species and eight mammal species).
- NatureMap 438 vertebrate fauna species (13 amphibian species, 46 reptile species, 108 bird species and 13 mammal species).
- EPBC PMST 31 threatened species, eight migratory species and 12 listed marine species.

The basic field survey was undertaken on 14th November 2022 by one qualified Zoologist. The field survey consisted of habitat assessments and opportunistic fauna observations, in order to define the fauna values of the survey area. A total of 20 fauna species were recorded during the field survey. A single species of conservation significance was indirectly recorded during the field survey; the Southern Brown Bandicoot, which is listed as Priority 4 under the BC Act. All other fauna species recorded are considered relatively common and widespread. A total of eight habitat assessments were undertaken during the field survey and one fauna habitat type was recorded; Banksia Woodland.

During the field survey, three fauna species of conservation significance were given particular consideration. These were as follows:

- Carnaby's Black Cockatoo (Zanda latirostris) listed as Endangered under the EPBC Act and BC Act.
- Baudin's Black Cockatoo (Zanda baudinii) listed as Vulnerable under the EPBC Act and BC Act.
- The Forest Red-tailed Black Cockatoo (Calyptorhynchus banksii naso) (FRTBC) listed as Vulnerable under the EPBC Act and BC Act.

Suitable habitat for Back Cockatoo species was present in the survey area in the form of Banksia Woodland (0.4 ha). Although very limited in the survey area itself, foraging habitat in the way of *Banksia attenuata* and *Banksia menziesii* was recorded, however no potential breeding habitat (Eucalyptus trees with a Diameter at Breast Height [DBH] > 500mm) was present. During the field survey, no Black Cockatoos were observed, and no foraging evidence was recorded.

it is important to note, that although the survey area does provide potential habitat for a number of fauna species, (including a number of conservation significant species), the limited clearing that is to take place for the remedial works, will likely have limited to no impact on these fauna species.



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1 Introduction

1.1 Background

PBC Asbestos and Demolition (PCB) commissioned Western Ecological to undertake an Ecological Assessment at RAAF Pearce Muchea Firing Range, which is located approximately 45 km to the north of Perth, WA.

Western Ecological understands the client is proposing to undertake asbestos remediation control works in seven small areas and as part of the scope requires a flora and fauna assessment to be undertaken prior to clearing of any native vegetation.

The seven areas total 0.8 ha and consist of degraded vegetation surrounding disused areas of infrastructure, with some areas displaying evidence of recent fire. It is important to note that the area surveyed for this report, extends beyond the intended area to be cleared. Potential clearing of vegetation required to undertake the asbestos remediation control works will be very limited (less than 0.4 ha), the majority of which shall be close to the Defence Infrastructure (buildings/structures/hardstand areas). The successful clean up and removal of asbestos from the site will require minor clearing of native vegetation, much of which is classed as Degraded or Completely Degraded. As such, potential disturbance to flora and particularly fauna, is likely to be minimal.

1.2 Scope and Objective

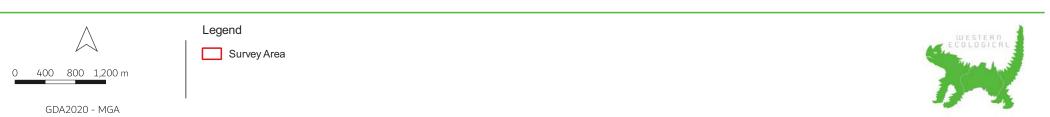
The scope of work (SoW) to be undertaken is understood to be as follows:

- Detailed Flora and Vegetation Survey
- Basic Fauna Survey
- Black Cockatoo Assessment
- Document the above in a concise report.

The objectives of the survey were to define the flora, vegetation and fauna values in the survey area, to support future project planning and inform environmental approvals.



Figure 1: Survey Area Location





1.3 Legislative Context

Flora, fauna and ecological communities are protected formally and informally by various legislative and non-legislative measures, which are outlined below:

- Legislative Protection:
 - Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)
 - Western Australia (WA) Biodiversity Conservation Act (2016) (BC Act)
 - WA Environmental Protection Act 1986 (EP Act).
- Non-Legislative Protection:
 - WA Department of Biodiversity, Conservation and Attractions (DBCA) Priority lists.
 - Recognition of locally significant populations by DBCA.

A short description of each is given below. Other definitions, including species conservation categories, are provided in Appendix 1.

EPBC Act

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) aims to protect matters of national environmental significance, which are detailed in Appendix 1. Under the EPBC Act, the Commonwealth Department of Department of Climate Change, Energy, the Environment and Water (DCCEEW) lists protected species and Threatened Ecological Communities (TECs) by criteria set out in the Act. Species are conservation significant if they are listed as Threatened (i.e., Critically Endangered, Endangered and Vulnerable) or Migratory.

Bird species protected as Migratory under the EPBC Act include those listed under international migratory bird agreements relating to the protection of birds, which migrate between Australia and other countries, for which Australia has agreed. This includes the Japan-Australia Migratory Bird Agreement (JAMBA), the China-Australia Migratory Bird Agreement (ROKAMBA) and the Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention).

Some marine fauna or terrestrial fauna that use marine habitats are listed as Marine under the EPBC Act. These species are only considered conservation significant when a proposed development occurs in a Commonwealth marine area (i.e., any Commonwealth Waters or Commonwealth Marine Protected Area). Outside of such areas, the EPBC Act does not consider these species to be matters of national environmental significance, so are not protected under the Act.

BC Act

The *Biodiversity Conservation Act* 2016 (BC Act) replaced both the *Wildlife Conservation Act* 1950 and the *Sandalwood Act* 1929 and came into effect on 1 January 2019. The aim of the new Act is to conserve and protect biodiversity and to promote the ecologically sustainable use of biodiversity components in the State, and will bring more activities within the scope of biodiversity laws.

Taxa listed as Threatened in the category of critically endangered, endangered or vulnerable under section 19(1a, 1b, and 1c), or is a rediscovered species to be regarded as threatened species under section 26(2) of the BC Act. Other categories include extinct or extinct in the wild and they are listed under section 23 (1) of the BC Act (Appendix 1).

If species meet one or more of the following categories: species of special conservation interest; migratory species; cetaceans; species subject to international agreement; or species otherwise in need of special protection, they are covered under section 13(1) of the BC Act and are called specially protected species. Species that are listed as threatened species (critically





endangered, endangered or vulnerable) or extinct species under the BC Act can't also be listed as Specially Protected species (see Appendix 1 for a more detailed description of each threat category).

Threatened Ecological Communities (TECs) are also covered under the BC Act and are placed into three categories of critically endangered, endangered or vulnerable under section 27(1a, 1b, and 1c) of the BC Act depending on their threat status.

DBCA Priority Species and Communities

DBCA lists species that are possibly threatened but that do not meet criteria for listing under the BC Act, or are otherwise data deficient, and adds them to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of conservation status so that consideration can be given to their declaration as threatened fauna or flora. Species that are adequately known, are rare but not threatened, or meet criteria for near threatened, or that have been recently removed from the threatened species or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring. Consideration of Priority codes is based on the Western Australian distribution of the species, unless the distribution in WA is part of a contiguous population extending into adjacent States, as defined by the known spread of locations (see Appendix 1 for more detail of the priority codes).

The DBCA also has a list of Priority Ecological Communities (PECs) that have scant information available to be considered a TEC, or which are rare but not currently threatened. Ecological communities that do not meet survey criteria or that are not sufficiently defined are added to the PEC list under priorities 1, 2 and 3. These three categories are ranked in order of priority for survey and/or definition of the community, and evaluation of conservation status, so that consideration can be given to their declaration as a TEC. Ecological communities that are adequately known, and are rare but not threatened or meet criteria for near threatened, or that have been recently removed from the threatened list, are placed in priority 4. These ecological communities require regular monitoring. Conservation dependent ecological communities are placed in priority 5.

Informal Recognition of Threatened Flora and Fauna

Certain populations or communities of flora and fauna may be of local significance or interest because of their patterns of distribution and abundance. For example, fauna may be locally significant because they are range extensions to the previously known distribution or are newly discovered species (and have the potential to be of conservation significance). In addition, many species are in decline as a result of threatening processes (land clearing, grazing, and changed fire regimes) and relict populations of such species assume local importance for DBCA. It is not uncommon for DBCA to make comment on these species of interest.



2 Methods

2.1 Requirements for Flora, Vegetation and Fauna Surveys

The flora, vegetation and fauna surveys were completed in accordance with the following Environmental Protection Authority (EPA) and DCCEEW requirements for the environmental surveying and reporting of fauna surveys in WA, where relevant and practical, and as documented in:

- EPA Statement of Environmental Principles, Factors and Objectives (EPA 2018).
- EPA Technical Guidance: Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment (EPA 2016).
- EPA Technical Guidance: Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment (EPA 2020).
- Survey Guidelines for Australia's Threatened Birds. EPBC Act survey guidelines 6.2 (2010) (DSEWPaC).
- Survey Guidelines for Australia's Threatened Mammals. EPBC Act survey guidelines 6.5 (2011) (DSEWPaC).
- Survey Guidelines for Australia's Threatened Reptiles. EPBC Act survey guidelines 6.6 (2011) (DSEWPaC).
- DAWE 2022, Referral guideline for 3 WA threatened black cockatoo species: Carnaby's Cockatoo, Baudin's Cockatoo and the Forest Red-tailed Black Cockatoo (DAWE 2022).
- EPBC Act referral guidelines for three threatened black cockatoo species (Department of Sustainability, Environment, Water, Population and Communities, 2012).
- Revised draft referral guideline for three threatened black cockatoo species: Carnaby's Cockatoo, Baudin's Cockatoo and the Forest Red-tailed Black Cockatoo. Commonwealth of Australia, 2017.

2.2 Flora and Vegetation Desktop Assessment

A desktop assessment of available databases and spatial data was undertaken to identify potential conservation significant flora species, Threatened Ecological Communities (TECs) and Priority Ecological Communities (PECs) within 20 km of the survey area.

The relevant sources of data reviewed during the desktop assessment are listed in Table .

Table 1: Information reviewed during the desktop assessment.

Source	Databases and reports
Department of Biodiversity Conservation and Attractions (DBCA)	 Threatened and Priority Flora Database and Flora List (DBCA 2022a) Western Australian Herbarium Specimen Database (DBCA 2022b) Threatened and Priority Ecological Communities Database (DBCA 2022c)
Department of the Environment and Energy (DotEE)	EPBC Act Protected Matters Search Tool (DotEE 2022a)

For the TECs, PECs, and conservation significant flora identified during the desktop assessment, their likelihood of occurrence within the survey area was determined based on the criteria outlined in Table 2**Error! Reference source not found.**.

Table 2: Criteria for likelihood of occurrence of conservation significant flora and ecological communities.

Likelihood of occurrence	Conservation significant flora	Threatened or Priority Ecological Communities
High likelihood to be present	Known populations occur within or adjacent [^] to the survey area	TEC/PEC occurs within or adjacent [^] to the survey area



Medium likelihood to be present	Known populations occur within the vicinity^^ of the survey area and suitable habitat is likely to be present to support the species	TEC/PEC occurs within the vicinity^^ of the survey area and similar vegetation may be present within or adjacent to the survey area
Low likelihood to be present	Known populations do not occur in the vicinity^^ of the survey area, or known populations occur within the vicinity^^ of the survey area, however suitable habitat is unlikely to be present to support the species	TEC/PEC does not occur within the vicinity^^ of the survey area and similar vegetation is not present within or adjacent^ to the survey area

[^] Adjacent - population or TEC/PEC occurs within 1 km of the survey area

2.3 Flora and Vegetation Field Survey

The flora and vegetation survey involved a single-phase spring survey 14 November 2022 by Senior Botanist Catherine Krens (Flora Collecting Licence FB62000188). The survey followed the methods described in the Environmental Protection Authority (EPA) Technical Guide – *Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA 2016a) and Environmental Factor Guideline – Flora and Vegetation (EPA 2016b).

The objective of the survey was to verify the desktop assessment results, characterise the flora and delineate the vegetation present. The survey involved:

- Confirming the findings of the desktop assessment
- Mapping the vegetation types
- Mapping the vegetation condition
- Compiling an inventory of flora species including weed species.

Data was collected from seven non-permanent 10 m x 10 m quadrats, as well as mapping notes, opportunistic flora collections, and observations across the survey area. Quadrats were established within mature intact vegetation and away from disturbed areas where possible with a minimum of three quadrats established within each perceived vegetation type. For each quadrat, the following information was collected:

- Site number
- GPS coordinate from the north-west corner
- Photograph from the north-west corner
- Landform
- Soil description
- Fire history
- Vegetation condition and description of disturbances
- Vegetation structure
- Species present: estimated height and estimated foliage cover.

All recorded flora species were collected for verification and identification with the Western Australian Herbarium specimens. Department of Biodiversity Conservation and Attractions (DBCA) taxonomists were consulted for identification of conservation significant species.

The vegetation types were described using the National Vegetation Information System (NVIS) standard to sub-association level (Commonwealth of Australia 2003). Floristic composition vegetation classification, as recommended in the Environmental Protection Authority (EPA 2016a) guidelines for detailed surveys, was used to analyse species composition within each quadrat. Multivariate comparative (cluster) analysis was performed to measure the similarity between quadrats.

Vegetation condition was mapped across the survey area and the condition rating used was based on the Keighery (1994) scale which is suitable for the South-West and Interzone Botanical Province in which the survey area occurs. The vegetation condition ratings relate to vegetation structure, the level of disturbance at each structural layer and the ability of the vegetation unit to regenerate (EPA 2016a). The vegetation condition scale is provided in **Error! Reference source not found**..

^{^^} Vicinity – population or TEC/PEC occurs within 5 kms of the survey area



Table 3: Vegetation Condition Ratings (Keighery 1994).

Vegetation condition	Eremaean and Northern Botanical Regions
Pristine	Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement.
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species. Damage to trees caused by fire, the presence of non-aggressive weeds and occasional vehicle tracks.
Very good	Vegetation structure altered and obvious signs of disturbance. Disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging, and grazing.
Good	Vegetation structure significantly altered by very obvious signs of multiple disturbances. Retains basic vegetation structure or ability to regenerate it. Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback, and grazing.
Poor	Still retains basic vegetation structure or ability to regenerate it after very obvious impacts of human activities since European settlement, such as grazing, partial clearing, frequent fires or aggressive weeds.
Degraded	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. 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	The structure of the vegetation is no longer intact, and the area is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees and shrubs.

2.4 Vegetation Mapping

The vegetation types were described using the National Vegetation Information System (NVIS) standard to level V (Commonwealth of Australia 2003), which describes the three traditional strata (upper, mid, and ground). Vegetation mapping was completed by using QGIS 3.8 software with aerial imagery and quadrat data used to define vegetation units. Floristic composition vegetation classification, as recommended in the EPA guidelines (2016a) for detailed surveys, was used to analyse species composition within each quadrat.

Statistical analysis of floristic data using statistical package PC-Ord v7.0 was undertaken. Bray-Curtis nearest neighbour hierarchical cluster analysis was run for each quadrat against the comprehensive Keighery (2012) dataset.

To determine the presence of TECs and PECs the Bray-Curtis dissimilarity index was used to identify the most similar Keighery quadrats, and their associated Floristic Community Type (FCT). The Bray-Curtis dissimilarity measure is bounded between **0** and **1**, where 0 means the two sites have the same composition (that is they share all the species), and 1 means the two sites do not share any species. The lower the dissimilarity index the more similar sites are. The inverse of the dissimilarity index was used to calculate the percentage similarity of each quadrat to the Keighery sites.

2.5 Fauna Desktop Assessment

Searches of the DBCA Threatened Fauna Database, NatureMap and the EPBC Protected Matters Search Tool (EPBC PMST) were undertaken to identify fauna species of conservation significance potentially occurring in the survey area (DBCA 2022d, DBCA 2022e, CCEEW 2022). These searches were centred on the following co-ordinates with a 20 km buffer applied to the DBCA Threatened Fauna Database and 10km buffer applied to NatureMap and the EPBC PMST:

• 31° 36' 15.9" S, 115° 55' 51" E.



2.6 Fauna Field Survey

A basic field survey was undertaken on 14th November 2022 by one qualified Zoologist (Laura Stevens). As per the scope and proposal, the field survey consisted of habitat assessments and opportunistic fauna observations, in order to define the fauna values of the survey area.

2.6.1 Habitat Assessment

Habitat assessments were undertaken throughout the survey area. The fauna habitats were assessed for their potential to support species of conservation significance and the quality of habitat they provide to a wider suite of fauna. Fauna habitat assessments were undertaken to define and delineate the main broad fauna habitat types present. The habitat assessments were documented systematically for each habitat type on standardised field sheets. The habitat assessments consisted of the following:

- location of the broad habitat type within the survey area (GPS co-ordinate) and its relative percentage
- habitat condition was assessed at each assessment site as 'completely degraded' through to 'pristine', based on the scale given in Keighery (1994)
- landscape position
- dominant vegetation and structure (e.g., number of vegetation strata)
- hollow-bearing trees and dead stags (e.g., average size and abundance of hollows)
- description of any rock and rocky outcrops
- logs (e.g., abundance and size)
- substrate (e.g., leaf litter)
- wetlands, creeks, rivers, dams and other water bodies
- description of any observed nests and roosts (if present)
- subterranean roosts (e.g., caves, disused mineshafts and/or adits)
- associated fauna species observed using the habitat
- disturbance (e.g., cattle grazing, fire)
- photo showing a typical example of the broad habitat type.

2.6.2 Opportunistic Searches

Fauna was recorded opportunistically during the survey. The survey included looking through leaf litter, overturning rocks, and looking under decorticating bark (where present). Other recordings included visual sightings of active fauna such as reptiles and birds, signs of species presence such as burrows and scats of mammals and reptiles, and aural observations of amphibian and bird species. Observation (visual or heard) of species considered of conservation significance were recorded by means of a hand-held GPS if present.

2.6.3 Black Cockatoo Habitat Assessment

The survey area is in the known distributional range of Carnaby's Black Cockatoo (*Zanda latirostris*) and the Forest Red-tailed Black Cockatoo (FRTBC - *Calyptorhynchus banksii naso*), and at the very northern extremity of Baudin's Black Cockatoo (*Zanda baudinii*) distribution. Black Cockatoo distribution maps (DAWE 2022).

The Black Cockatoo habitat assessment was undertaken in suitable habitat and the survey methods were undertaken with reference to the referral guidelines for Black Cockatoos (DSEWPaC 2012, DAWE 2022).

Breeding Assessment

Black Cockatoos breed in large hollow-bearing trees, generally in woodlands or forests. The size of the tree can be a useful indication of the hollow-bearing potential of the tree. During the survey trees considered to be suitable for breeding based on the following criteria were examined (habitat assessment sites will be utilised):

- Native trees (e.g., Marri, Jarrah, Flooded Gum etc.)
- Diameter at breast height (DBH) > 500 mm (300 mm for Wandoo and Salmon Gum)
- GPS co-ordinates were recorded using a GPS
- Suitable Black Cockatoo breeding hollows were assessed (from the ground) if present and based on the following:



- o 120 mm diameter at entrance
- o location of hollow (i.e., situated on main trunk)
- direction of hollow
- height of hollow
- o depth of hollow (where possible to assess from the ground)
- evidence of breeding activity.

Foraging Assessment

The Black Cockatoo habitat assessment involved assessing the habitat for tree and shrub species known to be important dietary items e.g., Marri, Jarrah Banksia spp. and other Proteaceous species and included looking for the following (if present):

- Native trees and shrubs (e.g., Eucalypts, Banksia spp. and other Proteaceous species etc.)
- Evidence of feeding (chewed cones, seed and nut material)
- Opportunistic observations of Black Cockatoos in the survey area.

Foraging habitat quality criteria (semi quantitative) based on preferred known food items has been developed, their extent in an area being assessed and the condition of the habitat. Please note that we have attempted to keep this criterion simple, practicable and repeatable across habitats and regions where so that assessments are consistent as is practicable (see Table 4 below).

Table 4: Foraging habitat quality and the criteria it is assessed against.

Please note that the primary and secondary food sources have been identified in the literature and these will be cited in the results section.

Foraging Habitat Quality	Criteria
High Quality	 Primary food sources present and dominant (high relative abundance) in an area greater than 1 ha Secondary food sources also present in medium to high relative abundance in an area greater than 1 ha No recent extensive fire (>1 year) and limited to no signs of disease such as <i>Phytophthora cinnamomi</i> and or Marri canker
Medium Quality	 Primary food sources present but not dominant (medium relative abundance) in an area greater than 1 ha, and or Secondary food sources also present in medium to high relative abundance in an area greater than 1 ha No recent extensive fire (>1 year) and limited signs of disease such as Phytophthora cinnamomi and or Marri canker
Low Quality	 Very limited to no primary food sources present in an area, and or Secondary food sources also present in low to medium relative abundance Recent fire (<1 year) and or signs of disease such as <i>Phytophthora cinnamomi</i> and or Marri canker
Nil	Self-explanatory.

2.6.4 Taxonomy

For species identified in the desktop assessment, where there is doubt to their true taxonomy (through subsequent name changes or taxonomic reviews), an effort was made to determine the current scientific name for each taxon. In some cases, old scientific names were presented where correct nomenclature could not be determined due to name changes. Some taxon names may be followed by 'sp.', meaning that the species name was not given in the data source or the identification is in doubt. Where there are previously recorded taxa such as this that have the potential to be a conservation significant species, they are discussed specifically in the results and discussion sections.

Taxonomy and nomenclature in this report follows the accepted listing of published terrestrial vertebrate species, primarily the West Australian (WA) Museum (2020). In addition, the following are also considered; the listing for amphibians and reptiles is



consistent with Chapple *et al.* (2019), Wilson & Swan (2017) and (to a lesser extent) Cogger (2014); bird listings are consistent with Christidis & Boles (2008) and mammal listings are consistent with Woinarski *et. al.* (2014).

2.6.5 Survey Limitations

Survey constraints are often difficult to predict, as is the extent to which they influence survey effort. Survey limitations and constraints of the flora and fauna survey are outlined below in Table 5.

Table 5: Limitations and constraints associated with the survey.

Variable	Impact on Survey Outcome
Availability of contextual information at a local and regional scale.	All contextual information was available at the time of survey. Database search results and desktop assessment was completed prior to commencing the survey.
Access	The survey area was accessible and traversed by vehicle and foot.
Experience	The personnel who undertook the survey were practitioners suitably qualified in their respective fields with relevant experience as specified by: • EPA Technical Guidance: Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment (EPA 2016).
	EPA Technical Guidance: Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment (EPA 2020).
	The personnel were as follows:
	Catherine Krens (Principal Botanist)Laura Stevens (Principal Zoologist).
Timing, weather, season	Flora and Vegetation Survey The survey was undertaken within spring (14th November 2022). Which is the recommended survey timing for the Swan Coastal Plain bioregion.
	Fauna Survey The fauna survey was conducted as a basic survey and therefore primarily about defining and describing habitats present, therefore timing, weather and season are not deemed a prime consideration.
	The fauna survey was undertaken on 14th November 2022. There were therefore no limitations to the fauna survey due to timing, weather or season.
Scope	The SoW to be undertaken was as follows:
	 Reconnaissance Flora and Vegetation Survey Basic Fauna Survey Black Cockatoo Assessment
Proportion of flora recorded and/or collected; identification issues	A specimen of all flora species recorded was collected for confirmation at the Western Australian Herbarium. All species observed were recorded including opportunistic records outside quadrats.
Completeness	Flora Survey:
	The survey area was traversed on foot and a targeted survey was undertaken across the survey area. All vegetation types were surveyed with a minimum of three quadrats established.



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	Fauna Survey: A basic fauna survey was conducted over the survey area.
	 8 habitat assessment were undertaken. Approximately 0.8 ha were assessed 20 fauna species were recorded in the survey area One conservation significant fauna species was recorded during the survey
Disturbance	Disturbance in the way of tracks and cleared areas for old shooting-range infrastructure was recorded throughout the survey area.



3 Existing Environment

3.1 Climate

The closest long-term Bureau of Meteorology (BOM) weather station with a complete dataset is Pearce RAAF Weather Station (Station 9053), located approximately 11 km south east of the survey area. The long-term mean maximum temperature ranges from 17.9°C (July) to 33.6°C (January) (1940 to 2022) (Figure 2) (Bureau of Meteorology 2022).

The Pearce RAAF Weather Station recorded rainfall in the 12 months prior to the survey (November 2021 to October 2022), which was 40.9 mm above the long-term average of 665.7 mm (Bureau of Meteorology 2022). In the three months prior to the survey (August to October 2022), 370.8 mm of rainfall was recorded, which is 159.3 mm above the long-term average of 211.5 mm for the same time period (1940 to 2022) (Bureau of Meteorology 2022).

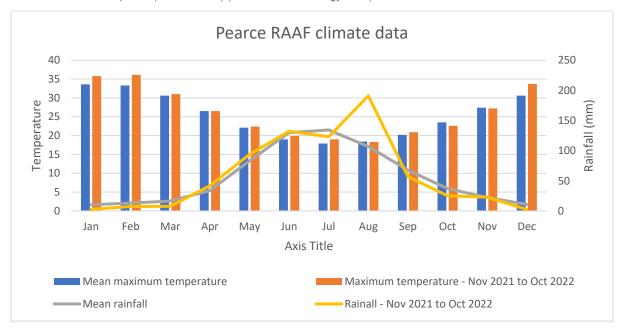


Figure 1: Climate data recorded at Albany City Weather Station (Rainfall and maximum temperature 12 months prior to survey and long-term average) (Bureau of Meteorology 2022).

3.2 IBRA Bioregion

The survey area occurs within the Swan Coastal Plain Interim Biogeographic Regionalisation for Australia (IBRA) Bioregion and specifically the Perth Subregion (SWA01). The Perth subregion comprises colluvial and aeolian sands, alluvial river flats and coastal limestone. The vegetation consists of heath and/or Tuart woodlands on limestone, Banksia and Jarrah woodlands and Marri woodlands. The subregion also includes a complex series of seasonal wetlands (Mitchell *et al.* 2002).

3.3 Geology and Soils

The survey area occurs within two geological units as mapped by the 1:500,000 State interpreted bedrock geology (DPIRD 2018):

- Coolyena Group: Chalk, greensand, glauconitic sandstone, siltstone, marl; characteristically glauconitic
- Leederville Formation: Interbedded sandstone and siltstone; minor conglomerate; scattered thin coal seams.

Soil landscapes and land system mapping of Western Australia describes broad soil and landscape characteristics from regional to local scales. Two soil types are mapped across the survey area in Figure 3 (DPIRD 2017):

- Cps: Peaty Clay dark grey and black with variable sand content, of lacustrine origin
- S8: Sand very light grey at surface, yellow at depth, fine to medium-grained, sub-rounded quartz, moderately well sorted, of eolian origin.



3.4 Vegetation

3.4.1 Pre-European Vegetation

Mapping of pre-European vegetation units within Western Australia is based on broad scale mapping by Beard (1976) at 1:3,000,000 which showed the distribution of 75 major categories of plants at the time of European settlement. Beards mapping was re-assessed by Shepherd et al. (2002) with some larger vegetation units divided into smaller units. Together, this pre-European database contains a total of 819 vegetation types recognised within Western Australia.

Some vegetation types have been extensively cleared since European settlement and have been constrained by development. The EPA has an objective to seek to retain at least 30% of the pre-clearing extent of each ecological community and has a modified objective to seek to retain at least 10% of the pre-clearing extent of each ecological community for defined constrained areas (intensely developed) (DBCA 2019).

One broad vegetation type is mapped within the survey area. The vegetation type is described below and its representation at a local, regional, and state level is shown in Table 6. The broad vegetation type is well represented at the regional and local level with over 30% of the pre-European extent remaining across the state, Swan Coastal Plain Bioregion and Shire of Chittering.

Bassendean 949: Low woodland or open low woodland of Acacia, Banksia, Eucalyptus and pine species.

Table 6: Broad vegetation types within the state, regional and local representation (DPIRD 2019b).

Vegetation type	Pre-European extent (ha)	Current extent (ha)	Remaining (%)	Current extent managed in DBCA lands (%)
	Represei	ntation across Western	Australia	
Bassendean 949	115,119.14	69,992.31	60.8	31.94
Representation across the Swan Coastal Plain Bioregion				
Bassendean 949	115,119.14	69992.31	60.8	31.94
Representation across the Shire of Chittering				
Bassendean 949	12,745.50	11,966.21	93.89	7.5

3.4.1 Pre-European Vegetation

The vegetation complexes of the south-west of Western Australia within the extent of the Darling System 6 region were mapped by Heddle et. al (1980) at a scale of 1:250,000 (DBCA 2018). The Heddle mapping shows the pre-1750 distribution of vegetation complexes characteristic of various landforms, soils, and rainfall across the Swan Coastal Plain.

One vegetation complex occurs within the survey area:

Bassendean Complex-North Transition - low open forest and low woodland

The vegetation complexes are mapped in Error! Reference source not found..

3.5 Conservation Areas

Environmentally Sensitive Areas (ESAs) are declared to prevent degradation of important environmental values such as Threatened flora, TECs or significant wetlands. Exemptions contained in the Environmental Protection (Clearing of Native vegetation) Regulations 2004 for low impact land clearing do not apply in ESAs and a clearing permit is required.

Seven Conservation Category wetlands occur within 1 km of the survey area:

- UFI 8346 Dampland within 500 m
- UFI 8347 Dampland within 500 m
- UFI 8348 Dampland within 500 m



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- UFI 8349 Dampland within 1 km
- UFI 8350 Dampland within 500 m
- UFI 8351 Dampland within 1 km
- UFI 8580 Dampland within 1 km.



4. Results

4.1 Flora Results

4.1.1 Flora Desktop Assessment

The desktop assessment identified 46 conservation significant flora species occurring within 20 km of the survey area. A break-down of the number of species within each conservation category is provided in Table 7.

Table 7: Number of species within each conservation category identified in the desktop assessment.

Conservation status	Commonwealth listed species	State listed species
Critically Endangered	2^	6^^
Endangered	14^	7^^
Vulnerable	5^	7^^
Priority 1		1
Priority 2		5
Priority 3		13
Priority 4		6

Note: ^some species are also State listed

The potential occurrence of the conservation significant species within the survey area was determined as either 'High, 'Medium' or 'Low' likelihood to be present based on the criteria set out in Table 2. Seven species were considered to have a high likelihood of occurrence within the survey area:

- Darwinia foetida Critically Endangered (Cwth), Endangered (WA)
- Leucopogon squarrosus subsp. trigynus Priority 2
- Platysace ramosissima Priority 3
- Verticordia serrata var. linearis Priority 3

Ten species were considered to have a medium likelihood of occurrence within the survey area:

- Grevillea althoferorum subsp. fragilis Endangered (Cwth), Critically Endangered (WA)
- Macarthuria keigheryi Endangered (Cwth and WA)
- Thelymitra stellata Endangered (Cwth and WA)
- Calectasia elegans Priority 2
- Stenanthemum sublineare Priority 2
- Adenanthos cygnorum subsp. chamaephyton Priority 3
- Guichenotia tuberculata Priority 3
- Persoonia rudis Priority 3
- Styphelia filifolia Priority 3
- Schoenus griffinianus Priority 4

The remaining 32 conservation significant species were considered to have a 'Low' likelihood of occurrence in the survey area. The location of conservation significant species identified in the desktop assessment is mapped in Figure 5. A full description of all conservation significant species identified in the desktop assessment is provided in Appendix 2.

^{^^} some species are also Commonwealth listed



4.1.2 Flora Assessment

A total of 60 vascular flora species from 23 families were recorded within the survey area. This included 44 (73%) native species and 16 (27%) introduced or naturalised species. Species richness within each quadrat ranged from 17 to 27 species.

The families with the highest species representation were Myrtaceae (12 species), Poaceae (7 species), Proteaceae (6 species) and Fabaceae (5 species). The full list of vascular flora species recorded is presented in Appendix 3.

All 60 recorded species were collected for verification and identification at the Western Australian Herbarium. All species were able to be identified to species level.

All species recorded within the survey area occur within the Swan Coastal Plain bioregion and no species occurred outside of their population range.

4.1.3 Threatened and Priority Flora

No species listed as Declared Rare Flora or Threatened (T or X) under the WC Act or as Threatened under the EPBC Act were recorded within the survey area. No Priority flora species were recorded within the survey area.

A targeted survey was undertaken for the 46 species identified in the desktop assessment and species considered to have a 'High' and 'Medium' likelihood of occurrence within the survey area were the focus of the targeted survey.

One potential conservation significant species was initially thought to have been recorded; *Jacksonia sericea* (Priority 4), however, the specimen was confirmed at the Western Australian Herbarium to be the more common species *Jacksonia stembergiana*.

None of the species recorded within the survey area were of conservation significance.

4.1.4 Weeds

A total of 16 introduced (weed) species were recorded within the survey area. None of the weeds are listed as a Declared Pest under the Biosecurity and Agricultural Management Act 2007 (BAM Act) or Weed of National Significance (WONS).

Of the 16 introduced species Poaceae (grasses) were best represented with six species recorded throughout the survey area. A summary of weed species is provided in Table8. Weed cover was highest within the disturbed areas and adjacent to the track.

Table 8: Weed species recorded in the survey area.

Family	Species	Common name	Status
Asteraceae	Hypochaeris glabra	Smooth Cats-ear	Permitted [^]
Asteraceae	Ursinia anthemoides	Ursinia	Permitted [^]
Campanulaceae	Wahlenbergia capensis	Cape Bluebell	Permitted [^]
Geraniaceae	Erodium botrys	Long Storksbill	Permitted [^]
Geraniaceae	Pelargonium ×domesticum	Regal Geranium	Permitted [^]
Geraniaceae	Pelargonium capitatum	Rose Pelargonium	Permitted [^]
Iridaceae	Freesia alba × leichtlinii	Freesia	Permitted [^]
Iridaceae	Gladiolus caryophyllaceus	Wild Gladiolus	Permitted [^]
Myrtaceae	Corymbia citriodora	Lemon scented gum	Permitted [^]
Poaceae	Aira cupaniana	Silvery Hairgrass	Permitted [^]
Poaceae	Briza maxima	Blowfly Grass	Permitted [^]
Poaceae	Bromus diandrus	Great Brome	Permitted [^]



Family	Species	Common name	Status
Poaceae	Ehrharta calycina	Perennial Veldt Grass	Permitted [^]
Poaceae	Ehrharta longiflora	Annual Veldt Grass	Permitted [^]
Poaceae	Pentameris airoides	False Hairgrass	Permitted [^]
Solanaceae	Solanum nigrum	Black Berry Nightshade	Permitted [^]

[^] Permitted under the BAM Act.

4.2 Vegetation Results

4.2.1 Vegetation Desktop Assessment

The desktop assessment identified ten conservation significant ecological communities and associated buffers occurring within 20 km of the survey area. A break-down of the number of significant ecological communities within each conservation category is provided in Table 9 and mapped in Figure 6.

Table 9: Number of ecological communities within each conservation category identified in the desktop assessment.

Conservation status	Commonwealth	State
TEC – Critically Endangered	2^	2^^
TEC – Endangered	7^	1^^
TEC – Vulnerable	0	1^^
PEC		5^^

Note: ^some ecological communities are also State listed

Four significant ecological communities were considered to have a high likelihood of occurrence within the survey area:

- Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain Endangered (Cwth and WA)
- Banksia Woodlands of the Swan Coastal Plain ecological community Endangered (Cwth), Priority 3 (WA)
- SCP21c Low lying Banksia attenuata woodlands or shrublands Endangered (Cwth), Priority 3 (WA)
- SCP23b Swan Coastal Plain Banksia attenuata Banksia menziesii woodlands Endangered (Cwth), Priority 3 (WA).

The remaining six significant ecological communities were considered to have a medium or low likelihood of occurrence within the survey area. The location of significant ecological communities is mapped in Figure 6. A full description of all conservation significant ecological communities identified in the desktop assessment is provided in Appendix 2.

4.2.2 Vegetation Types

Multivariate analysis of the seven quadrats was undertaken using the Bray-Curtis distance measure. Sorensen (Bray-Curtis) distance measure is the preferred distance measure for ecological data and is applied to presence-absence data. It retains sensitivity in more heterogeneous data sets and gives less weight to outliers.

The hierarchical cluster analysis dendrograms for the Sorenson distance measure method resulted in similarities between quadrats with two clear groups emerging, these represented the vegetation types (Table 10). The species occurring within each vegetation type is displayed in Appendix 4. The hierarchical cluster dendrogram is provided in Appendix 5.

Table 1: Distance measures and similarity percentage between quadrats and determined vegetation types.

Quadrat	Closest sites	Distance measure	% Similarity	Determined vegetation type
M01	M02	0.3818	62	VT1 – BaBmKgLe
	M06	0.4286	57	
M02	M01	0.3818	62	VT1 – BaBmKgLe

^{^^} some ecological communities are also Commonwealth listed



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Quadrat	Closest sites	Distance measure	% Similarity	Determined vegetation type
	M05	0.3913	61	
M03	M06	0.4545	55	VT1 – BaBmKgLe
	M05	0.4737	53	
M04	M06	0.3333	67	VT1 – BaBmKgLe
	M05	0.4286	57	
M05	M02	0.3913	61	VT1 – BaBmKgLe
	M06	0.4	60	
M06	M04	0.3333	67	VT1 – BaBmKgLe
	M05	0.4	60	
M07	M06	0.4167	58	VT1 – BaBmKgLe
	M05	0.4286	57	

One determined vegetation type occurs within the survey area:

• VT1 – BaBmKgLe

A full description of the vegetation types is provided in Table 11 and mapped in Figure 3. Quadrat data is provided in Appendix 6.



Table 11: Vegetation types (VT) recorded in the survey area.

Code	Description	Details	Image
BaBmKgLe	Low open woodland of <i>Banksia attenuata</i> , <i>Banksia menziesii</i> and <i>Nuytsia floribunda</i> over tall open shrubland of <i>Adenanthos cygnorum</i> , <i>Kunzea</i> glabrescens and <i>Kunzea micrantha</i> over low open shrubland of <i>Hibbertia subvaginata</i> , <i>Jacksonia floribunda</i> and <i>Leptospermum erubescens</i>	Vegetation type: VT1 Species richness:17 - 27 Quadrats: M01, M02, M03, M04, M05, M06, M07 Area: 0.395 ha	



4.2.3 Threatened and Priority Ecological Communities

One Threatened Ecological Community (TEC) and Priority Ecological Community (PEC) occurred within the survey area:

 Banksia WL SCP - Banksia Woodlands of the Swan Coastal Plain ecological community – Endangered (Cwth), Priority 3 (WA) (0.395 ha).

An assessment of the TECs and PECs determined to have a high likelihood of occurrence within the survey area was undertaken based on location and floristic composition and is provided in Table 12.

Table 12: Vegetation types (VT) recorded in the survey area.

Ecological Community	Conservation Status	Location	Vegetation	Alignment with Vegetation Type
Banksia WL SCP - Banksia Woodlands of the Swan Coastal Plain ecological community	TEC – Endangered (Cwth) PEC - Priority 3	Within the survey area	Banksia attenuata and Banksia menziesii woodland	Yes
Muchea Limestone - Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain	TEC – Endangered (Cwth and WA)	2.4 km east of the survey area	Shrublands and woodlands on black clay soils on limestone	No
SCP21c - Low lying Banksia attenuata woodlands or shrublands	TEC – Endangered (Cwth) PEC – Priority 3	3.5 km south-west of the survey area	Banksia attenuata woodlands	No
SCP23b - Swan Coastal Plain Banksia attenuata - Banksia menziesii woodlands	TEC – Endangered (Cwth) PEC – Priority 3	3.4 km south of the survey rea	Banksia attenuata and Banksia menziesii woodlands	No

4.2.4 Vegetation Condition

The vegetation condition of the survey area ranged from Completely Degraded to Good. A high level of disturbance was present within the survey area including weeds, vegetation clearing, Defence Infrastructure (buildings/structures/hardstand areas etc) and tracks. Vegetation condition is mapped in Figure 8.

It is important to note therefore, the very limited clearing that is to take place for the remedial works, will likely have limited impact on the vegetation present within the survey area.

4.3 Fauna Results

4.3.1 Fauna Database results

Results of the databases searches can be seen in Appendix 7 and identified the following:

- DBCA 33 conservation significant vertebrate fauna species (three reptile species, 22 bird species and eight mammal species).
- NatureMap 438 vertebrate fauna species (13 amphibian species, 46 reptile species, 108 bird species and 13 mammal species).
- EPBC PMST 31 threatened species, eight migratory species and 12 listed marine species.

The DBCA Threatened Fauna Database returned a total of 1098 conservation significant fauna records from within a 20 km buffer of the survey area. The closest conservation significant species record is the Black-striped Snake, approximately 3.5 km from the surrey area. The most recent record is Carnaby's Back Cockatoo from 2020. The results of this database search can be seen in Figure 9.



Shorebirds, Migratory Marine birds and Waterbirds

A total of 17 conservation significant waterbird species were returned in the databases. These were a combination of waders/shorebirds, migratory marine birds, ocean birds and waterbirds. These wetland avifauna such as wading birds, including Plovers and Sandpipers inhabit estuaries, mudflats, saltmarshes, sandflats and beaches, with shallow water edges, where they feed on invertebrates such as worms, molluscs, insects and crustaceans (Garnett *et al.* 2011). Migratory marine birds such as Terns frequent freshwater waterways (Slater *et. al* 2009). Waterbirds such as various Duck species feed on the surface of the water, taking mainly seeds and insects as well as floating vegetation from on or just below the surface of the water (Slater *et. al* 2009). Or marine birds such as Shearwaters, which spend most of their time far out to sea and are often mis-identified.

Many of these DBCA records are from Jandabup Lake Nature Reserve, which is 20 km to the south-west of the survey area. Jandabup Lake Nature Reserve provides suitable habitat in the way of wetland/ water for various waterbird species, however this habitat is absent from the survey area itself. Therefore, these species have been omitted from any further discussion.

Now regionally extinct

A small number of species in the database searches were also known to be historical records of extinct and locally extinct species. For example, the Woylie (*Bettongia penicillata ogilbyi*), Burrowing Bettong (*Bettongia lesueur graii*) and Bilby (*Macrotis lagotis*). These species have therefore been omitted from any further discussion. In addition, those species with few records and very old/historical records in the DBCA database have also been omitted from further discussion (with a few exceptions). Particularly if these results are classed as uncertain (with regard to identification of species), or are from named locations or provide habitat not present in the survey area, such as the records of the Western Swamp Tortoise (*Pseudemydura umbrina*) from Twin Swamps Nature Reserve for example, which is 16 km to the south-east of the survey area.

Database errors and anomalies

Occasionally there are errors and/or anomalies in the database searches that are sourced from the various government departments and it is important to note that the EPBC PMST is not entirely based on point records, but also on broader information, including bioclimatic distribution models, whereas the DBCA threatened fauna database and NatureMap are. Consequently, the results of the EPBC PMST are in some cases less accurate, particularly at a local scale (e.g., the Malleefowl [Leipoa ocellata] and Ghost Bat [Macroderma gigas]). As a result, the EPBC PMST can include species that do not occur in the survey area because, for example, there is no habitat available or they are now known to be locally extinct. These species have therefore been omitted from any further discussion.

In addition, fauna is not distributed evenly across the landscape, are more abundant in some places than others, and consequently more detectable (Currie 2007). Furthermore, some small, common ground-dwelling reptile and mammal species tend to be habitat specific, and many bird species can occur as regular migrants, occasional visitors or vagrants. Therefore, all these species have been excluded from any further discussion.

Conservation Significant Fauna

With the aforementioned shorebirds, migratory marine birds, waterbirds, locally/regionally extinct and database errors species removed, a total of eight conservation significant species retrieved from the database searches are considered as either Recorded, Likely, Possible or Unlikely to occur in the survey area. Of these eight conservation significant species, one species was recorded during the assessment, three species are considered Likely to occur, one species is considered Possible and three species are considered Unlikely to occur in the survey area (Table 13). Recorded, Likely and possible species will be briefly discussed in section 5.3 below.

The Likelihood of each species is based on the following criteria:

- Recorded: Recorded during the field survey or site reconnaissance
- Likely: Suitable habitat is present in the survey area and the survey area is in the species' known distribution
- Possible: Limited or no suitable habitat is present in survey area, but is nearby. The species has good dispersal abilities and is known from the general area
- Unlikely: No suitable habitat is present in survey area but is nearby, the species has poor dispersal abilities, but is
 known from the general area; or suitable habitat is present, however the survey area is outside of the species'
 known distribution.



Table 13: Conservation significant fauna potentially occurring in the survey area.

CR = Critically Endangered under the EBPC Act, EN = Listed as Endangered under the EBPC Act, VU = Listed as Vulnerable under the EBPC Act, MI = Listed as Migratory under the EBPC Act, CD = Conservation Dependent under the EBPC Act, OS = Other specially protected species under the EBPC Act, IA = Migratory birds protected under an International Agreement, IUCN Threat categories (BC Act). P = Listed as Priority by the DBCA.

Common name	Species name	Conservation Status (EPBC Act)	Conservation Status (WA BC Act)	Likelihood
Reptiles				
Black-striped snake	Neelaps calonotos		P3	Likely
Birds				
Baudin's Cockatoo	Zanda baudinii	EN	EN	Possible
Carnaby's Cockatoo	Zanda latirostris	EN	EN	Likely
Forest Red-tailed Black Cockatoo	Calyptorhynchus banksii naso	VU	VU	Likely
Peregrine falcon	Falco peregrinus	OS		Unlikely
Mammals				
Southern Brown Bandicoot	Isoodon fusciventer		P4	Recorded
Western Brush Wallaby	Notamacropus irma		P4	Unlikely
Western Quoll	Dasyurus geoffroii	VU	VU	Unlikely

4.3.2 Fauna Field Assessment Results

A total of 20 fauna species were recorded in the survey area. The majority of the fauna species recorded are considered relatively common and widespread. Species recorded can be seen in Table 14.

Table 14: Fauna species recorded during the field survey.

Common Name	Species Name	
Reptiles		
Buchanan's snake-eyed skink	Cryptoblepharus buchananii	
Sand Goanna	Varanus gouldii	
Shingleback	Tiliqua rugosa	
Variegated Dtella	Gehyra Variegata	
Birds	'	
Australia Ringneck	Barnardius zonarius	
Australian Magpie	Cracticus tibicen	
Brown Falcon	Falco brigora	
Brown Honeyeater	Lichmera indistincta	
Common Bronzewing	Phaps chalcoptera	
Crested Bellbird	Oreoica gutturalis	
New Holland Honeyeater	Phylidonyris novaehollandiae	
Rufous Whistler Pachycephala rufiventris		
Singing Honeyeater	Lichenostomus virescens	
Variegated Fairy-wren	Malurus lamberti	
Weebill	Smicrornis brevirostris	
White-cheeked Honeyeater	Phylidonyris niger	
Willie-wagtail	Rhipidura leucophrys	
Mammals		
European Rabbit	Oryctolagus cuniculus	
Southern Brown Bandicoot	Isoodon obesulus	
Western Grey Kangaroo	Macropus fuliginosus	



4.3.2.1 Fauna Assemblage

Amphibians

No wetland habitat was present in the survey area, no water was present during the survey and no amphibian species were recorded.

Reptiles

During the field survey, four reptile species were recorded, Buchanan's snake-eyed skink (*Cryptoblepharus buchananii*), Sand Goanna (*Varanus gouldii*), Shingleback (*Tiliqua rugosa*) and Variegated Dtella (*Gehyra Variegata*).

Birds

During the field survey, 13 bird species were recorded. All bird species recorded are considered relatively common and widespread.

Mammals

During the field survey three mammal species were recorded, a number of Western Grey Kangaroos (*Macropus fuliginosus*) were recorded throughout the survey area. The (Priority 4 listed) Southern Brown Bandicoot (*Isoodon obesulus*) was recorded by diggings throughout the survey area and the European Rabbit (*Oryctolagus cuniculus*) was recorded through scats.

4.3.4 Fauna Habitat

A total of eight habitat assessments were undertaken during the field survey, the details of which can be seen in Table 15, and Figure 10, with an example provided in Appendix 8.

Table 15: Habitat Assessment Locations.

Habitat Assessment	Fauna Habitat Type	Northing	Easting
1	Banksia Woodland	6502623	398613
2	Banksia Woodland	6502640	398633
3	Banksia Woodland	6502711	398607
4	Banksia Woodland	6502916	398569
5	Banksia Woodland	6503033	398589
6	Banksia Woodland	6503115	398450
7	Banksia Woodland	6503039	398387
8	Banksia Woodland	6503543	398408

A single fauna habitat type was recorded in the survey area, Banksia Woodland (Plate 1). It is important to again note, the eight small areas that make up the survey area consist of 0.4 ha of Banksia Woodland in total, much of which consists of degraded vegetation surrounding disused areas of infrastructure.





Plate 1: Banksia Woodland.

Banksia Woodland habitat consisted of and overstory of *Banksia attenuata and Banksia menziesii*, over a mid-story of *Kunzea glaberescens* and *Adenanthos sericeus* over a ground story of *Leptospermum erubescens* on sandy soils.

4.3.5 Black Cockatoo Habitat Assessment

The survey area is in the known distributional range of Carnaby's Black Cockatoo (*Zanda latirostris*) and the Forest Red-tailed Black Cockatoo (FRTBC - *Calyptorhynchus banksii naso*), and at the very northern extremity of Baudin's Black Cockatoo (Zanda *baudinii*) distribution (see [DAWE 2022] Black Cockatoo distribution maps (Appendix 9). During the field survey, no Black Cockatoos were recorded directly, or indirectly by the way of foraging evidence (chewed Banksia cones for example).

Potential Breeding Habitat

During the assessment, no Black Cockatoo breeding habitat was recorded. In order to be considered breeding habitat, Eucalyptus trees with a DBH (≥ 500 mm), are required. The survey area did not contain any Eucalyptus trees with a DBH (≥ 500 mm.

Foraging Habitat

The Banksia Woodland can be considered Black Cockatoo foraging habitat. There is a total of 0.4 ha of foraging habitat, which consists of *Banksia attenuata, Banksia menziesii* and *Xanthorrhoea preissii* which are known forging items of Black Cockatoos.

The survey area contains Black Cockatoo foraging habitat species as outlined below in Table 17. The quality of the foraging habitat varies depending on which Black Cockatoo species is being considered and the extent of the habitat present. Foraging habitat that contains Banksia provides the highest quality foraging habitat to Carnaby's Black Cockatoo and medium quality foraging habitat to Baudin's Black Cockatoo and FRTBC (an important dietary item to Baudin's Black Cockatoo and FRTBC but not its primary food source).

Foraging habitat that contains Marri and Jarrah (not recorded in the survey area) provides the highest quality foraging habitat to Baudin's Black Cockatoo and FRTBC (Marri is the primary food source for Baudin's Black Cockatoo and FRTBC) and medium quality foraging habitat to Carnaby's Black Cockatoo (an important dietary item to Carnaby's Black Cockatoo but not its primary food source). (DAWE 2022).

Again, it is important to note that the amount of clearing that is required, is minimal and so impact to any Black Cockatoo foraging habitat is considered to be very limited.



Table 17. Broad foraging habitat and quality for all three Black Cockatoo species in the survey area.

Foraging Habitat Quality				
Broad Foraging Habitat Type	BBC	CBC	FRTBC	References – some examples that identify food resources and their relative importance in the diet of BBC, CBC and FRTBC.
Banksia attenuata, Banksia menziesii	Med	High	Med	DAWE 2022, Cooper et al. 2002, DSEWPaC 2012, Groom 2011, Johnstone et al. 2011, Johnstone et
Xanthorrhoea preissii	Low	Low	Low	al. 2013 (a&b), Saunders 1980, Shah 2006, Valentine & Stock 2008.



5 Discussion

5.1 Flora

The detailed flora and vegetation survey was undertaken during spring in November 2022, which is at the end of the peak survey period for the Swan Coastal Plain bioregion. It would be expected that a late season survey would have a low presence of annuals and the majority of flora species would have finished flowering reducing the number of species able to be fully identified. However, all species were able to be identified to species level and annuals represented 26% (16 species) of the total species recorded. A higher-than-average rainfall leading up to the survey may have contributed to high annual representation and late flowering period.

One specimen collected was considered to potentially be *Jacksonia sericea* (Priority 4), as the plant had a similar low spreading form. It was confirmed at the Western Australian Herbarium to be a juvenile *Jacksonia furcellata*, which is a common Swan Coastal Plain species.

The survey area is located within former infrastructure areas which had been historically cleared and high weed cover was present throughout the survey area. The survey area is surrounded by very good condition Banksia woodland, the boundary of the survey area contains typical Swan Coastal Plain species, with some weeds spreading into the surrounding vegetation, which is expected to continue without weed control undertaken.

5.2 Vegetation

A single vegetation type; BaBmKgLe, was identified within the survey area representing a total of 0.395 ha. It mainly occurred on the survey boundary surrounding the disturbed infrastructure areas. Condition along the boundary was also slightly better and mainly in good condition.

BaBmKgLe is also Threatened Ecological Community - Banksia Woodlands of the Swan Coastal Plain ecological community (Endangered (Cwth), Priority 3 (WA)). The TEC has been mapped across the entire survey area by DBCA. The cleared disturbed areas do not represent the TEC (Figure 7). Therefore, clearing the asbestos and infrastructure areas will not disturb the TEC if clearing BaBmKgLe is avoided.

5.3 Fauna of Conservation Significance

A total of five conservation significant species (and relevant Listed species) retrieved from the database searches are considered as either Recorded, Likely or Possible to occur in the survey area. These species and their likelihood to occur in the survey area are discussed below.

5.3.1 Conservation Significant Fauna Recorded

A single conservation significant species was recorded in the survey area; the Southern Brown Bandicoot.

Southern Brown Bandicoot (Isoodon fusciventer)

The Southern Brown Bandicoot is listed as P4 under the DBCA Priority List. This species once occurred throughout southwest WA; it now occurs from Guilderton southwards on the Swan Coastal Plain, (including the Perth Metropolitan area), in Jarrah and Karri (*E. diversicolor*) forests and adjacent coastal vegetation complexes, east along the south coast to Cape arid National Park. The species inhabits scrubby, often swampy, vegetation with dense cover up to about 1 m high.

The Southern Brown Bandicoot is patchily distributed in suitable habitat, with populations inhabiting Jarrah and Wandoo forests usually associated with watercourses. The Southern Brown Bandicoot constructs nests under plants on the ground. They do not create burrows, but occasionally use the burrows of other species. It feeds in adjacent forest and woodland that is burnt on a regular basis and in areas of pasture and cropland lying close to dense cover. It is often associated with wetlands with dense vegetation where they feed on fruit, seeds and insects. They forage for food mainly by digging in the leaf-litter and soil to find insects, fungi, plant root nodules and bulbs (Woinarski *et al.* 2014).

Suitable habitat is present in the survey area in the way of scrubby vegetation in the Banksia Woodland habitat and Southern Brown Bandicoot diggings were recorded in a number of locations throughout the survey area. In addition, the DBCA threatened fauna database returned a total of 309 records of the Southern Brown Bandicoot in the vicinity of the survey area.

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The closest record of the southern Brown Bandicoot is 5.3 km from the survey area and the most recent record is from 2020, approximately 11 km to the south-east of the survey area.

It is important to note that although the species was recorded during the field survey and survey area does provide habitat for the Southern Brown Bandicoot, the limited, clearing necessary for the required remedial works will have little impact on the species locally, but particularly at a regional level.

5.3.2 Conservation Significant Fauna Considered Likely to Occur

A total of three conservation significant species are considered as Likely to occur in the survey area.

Black-striped Snake (Neelaps calonotos)

The Black-striped Snake is listed as P3 under the DBCA priority list. This species is restricted to a 90 km sandy coastal strip near Perth from Mandurah to Lancelin. It occurs in dunes and sand-plains with heaths as well as eucalypt/banksia woodland (Cogger 2014). It is one of 71 reptile species occurring in the Perth region which make this area as diverse as any similar sized coastal region in Australia (How & Dell 1994). The Black-striped Snake is a burrowing species found in coastal heaths and low shrubland, where it feeds on lizards mostly of the burrowing skink genus Lerista (Cogger 2014), which were also returned in the desktop searches.

There were 25 records of the Black Striped Snake in the DBCA threatened fauna database in the vicinity of the survey area, all of which were from fauna surveys. The fauna surreys were generally from Ellenbrook, (approximately 20 km to the south of the survey area), or from Gnangara-Moore River State Forest. Gnangara-Moore River State Forest is approximately 16 to the north-west of the survey area, however, is it continuous bushland which provides connection to the survey area and a large area of suitable habitat for the species. The closest record of the Black-striped Snake is 3.5 km from the survey area and the most recent record is from 2017.

The Banksia Woodland habitat, which contains mixed banksia on deep sandy soils provide suitable habitat for the Black Striped Snake, the survey area is within the known distribution of the species and there are nearby records. As a result, the Black-striped Snake is considered as Likely to occur in the Survey Area.

Carnaby's Cockatoo (Zanda latirostris)

Carnaby's Cockatoo is listed as Endangered under the EPBC Act and the BC Act. is endemic to south-west WA, and is distributed from the Murchison River to Esperance and inland to Coorow, Kellerberrin and Lake Cronin (Cale 2003). The species was once common, but the population has declined significantly in the last half century, and is now locally extinct in some areas (Johnstone & Storr 1998; Shah 2006). In the last 45 years (prior to Cale 2003) the species has suffered a 50% reduction in its abundance (Cale 2003). More recent information suggests this decline has continued. This reduction is due to the clearing of core breeding habitat in the wheatbelt, the deterioration of nesting hollows, and clearing of food resources on the Swan Coastal Plain (SCP) (Cale 2003). The total population of Carnaby's Cockatoo was estimated to be 40,000 in 2008 (Johnstone & Kirkby 2008). Since then, trend analyses of the seven Great Cocky Counts 2010 – 2017 identified strong indications that the population of Carnaby's Black-Cockatoo inhabiting the Perth-Peel Coastal Plain continues to decline.

Carnaby's Cockatoos feed on seeds, nuts and flowers of a variety of native and exotic plants. Food plants include a variety of Eucalyptus species, such as Marri, Jarrah, Swan River Blackbutt (*Eucalyptus patens*), Coastal Blackbutt (*Eucalyptus todtiana*), Caesia (*Eucalyptus caesia*) and Salmon Gum, as well as Pine trees (Pinus sp.), Grevillea, Allocasuarina, and Hakea species (Shah 2006). Marri nuts that are damaged extensively, especially on the main body of the nut, are likely to have been chewed by Carnaby's Cockatoo. The 'levering' of Marri nuts by Carnaby's Cockatoos tends to leave different marks on the fruit casings, particularly in the location of indentations by the lower mandible and in the amount of damage caused to the rim of the fruit casing. Carnaby's Cockatoos also generally feed on green Marri nuts that are soft enough for their beaks to manipulate. The seeds from a variety of Banksia species and the cones of Pine trees provide the highest energetic yield (Cooper *et al.* 2002).

Breeding has been recorded from early July to mid-December, and primarily occurs in the wheatbelt in the semi-arid and subhumid interior (Johnstone & Storr 1998). However, this species is currently expanding its breeding range westward and south into the Jarrah-Marri forests of the Darling Scarp (e.g., Wungong Dam Catchment) and into the Tuart forests of the SCP including Yanchep, Baldivis, Lake Clifton and near Bunbury (Johnstone & Kirkby 2011).



Carnaby's Cockatoo display strong pair bonds and mate for life. They nest in hollows of smooth-barked eucalypts particularly Salmon Gum and Wandoo but nests have also been found in other Eucalypt species including York Gum (*Eucalyptus loxophleba*), Flooded Gum (*Eucalyptus rudis*), the rough-barked Marri and Tuart (Johnstone & Kirkby 2011). In most nests in Tuart, eggs are laid on a mat of wood chips at the bottom of a large hollow (mostly top entry hollows) ranging from a few cm's to five m deep (Johnstone & Kirkby 2011). Clutch size is 1–2 eggs, more typically two; only one young is reared (Saunders 1986). Incubation lasts for 29 days and only the female incubates and broods. The nestling is brooded by the female during which time both rely on food from the male. Once brooding is complete, the female then leaves the nest each day at dawn, sometimes returning mid-morning (with the male) to feed the chick (Johnstone & Kirkby 2011). After approximately three weeks she ceases to brood and the chick is fed by one or both parents in the morning and in the late evening (Johnstone & Kirkby 2011).

Approximately 87% (525,732 ha) of potential Carnaby's Cockatoo habitat (i.e., areas of vegetation that contain flora species and vegetation types that could support the species' breeding, feeding and night roosting activities) has been cleared in the wheatbelt since European settlement. The south-west region is now a severely fragmented landscape and the further loss of foraging habitat, the lack of suitable breeding sites, climate change, alterations in the landscape, changing forest structure with almost every part of the Jarrah-Marri forest logged in the past and with most trees too young to form hollows, and competition with exotic species, exacerbate the future conservation of Carnaby's Cockatoo (Johnstone & Kirkby 2011).

There were 571 records of Carnaby's Black Cockatoo records in the DBCA threatened fauna database in the vicinity of the survey area. The closest record of Carnaby's Black Cockatoo is 3.5 km from the survey area and the most recent record is from 2020. There were an additional 30 records of White-tailed Black Cockatoo, which could be Carnaby's or Baudin's as they look very similar and can be easily confused by those unfamiliar with the species, however, given the species known distributional range, these records are considered more likely to be Carnaby's Black Cockatoo.

The Banksia Woodland habitat, provides suitable foraging habitat for Carnaby's Black Cockatoo, the survey area is within the known distribution of the species and there are many nearby records. As a result, the Carnaby's Black Cockatoo is considered as Likely to occur in the Survey Area.

Forest Red-tailed Black Cockatoo (Calyptorhynchus banksii)

The FRTBC is listed as Vulnerable under the EPBC Act and the BC Act. It is distributed through the humid and subhumid south-west of WA from Gingin through the Darling Ranges to the south-west from Bunbury to Albany (primarily in the hilly interior) (Johnstone & Storr 1998, Johnstone *et al.* 2013a). In these areas, the FRTBC inhabits dense Jarrah, Karri, and Marri forests that receive more than 600 mm average annual rainfall (Johnstone & Storr 1998). However, in recent years the FRTBC has moved on to the SCP to forage in the Perth metropolitan area (Johnstone & Kirkby 2011). The FRTBC occurs in pairs or small flocks, or occasionally large flocks of up to 200 birds (Johnstone & Storr 1998).

The FRTBC feeds primarily on Marri and Jarrah fruit, but also Tuart and to a lesser extent on Blackbutt, Albany Blackbutt (*Eucapyptus staeri*), Karri, Sheoak (*Allocasuarina fraseriana*) and Snottygobble (*Persoonia longifolia*) (Johnstone *et al.* 2013b). The FRTBC can obtain energy faster when feeding on Marri and Jarrah than other food sources (Cooper *et al.* 2002), and these two-plant species make up most of their diet (Johnstone *et al.* 2013b).

FRTBC shear the base of Marri nuts at a 45° angle to remove seeds (the 'bottom slice' method), while Baudin's Cockatoos use their elongated upper mandible to pry seeds out, leaving the nut intact (the 'lever') (Johnstone & Kirkby 1999, Cooper *et al.* 2002). Carnaby's Cockatoos may use either technique to feed on Marri nuts, but generally with some modification, e.g., the 'slicing' of fruits may occur along the side of the fruit casing.

The FRTBC is monogamous and pairs nest in tree hollows from 6.5 – 33 m above ground and most nests are in large and old mature Marri, and these trees are the most important nesting tree throughout the FRTBC range (Johnstone *et al.* 2013a). Nest trees of the FRTBC have a mean circumference at breast height of 2.79 m, a mean estimated age of 222 years and a mean overall height of 20.24 m (Johnstone *et al.* 2013a).

Breeding has been recorded in all months, with peaks in April-June and August-October. Only one egg is laid, which the female incubates for 29 to 31 days, before a nestling hatches and weighs between 27 and 32 g. The female remains in the hollow during incubation and only leaves for a short period in the evening to be fed by the male, usually at dusk (Johnstone *et al.* 2013b). Brooding is for up to 10 days, after which the female leaves the nest between dawn and dusk. Pairs of birds appear to recognise each other by calls, not responding to calls by others in the area. Chicks only respond when the parent is heard and are fully feathered at 48 days (Johnstone *et al.* 2013b).



There were 26 records of the FRTBC in the DBCA threatened fauna database in the vicinity of the survey area. The closest record of the FRTBC is 4.5 km from the survey area and the most recent record is from 2018.

The Banksia Woodland habitat, provides suitable foraging habitat for the FRTBC (however Banksia is not this species primary food source), the survey area is within the known distribution of the species and there are nearby records. As a result, the FRTBC is considered as Likely to occur in the Survey Area.

5.3.3 Conservation Significant Fauna Considered Possibly Occurring

A single conservation significant species is considered as Possibly occurring in the survey area.

Baudin's Cockatoo (Zanda baudinii)

Baudin's Cockatoo is listed as Endangered under the EPBC Act and the BC Act. This species is distributed through the south-western humid and subhumid zones, from the northern Darling Range and adjacent far east of the SCP (south of the Swan River), south to Bunbury and across to Albany (Johnstone & Kirkby 2011). Baudin's Cockatoo rarely occurs near the coast north of Mandurah, and rarely occurs north of the Swan River (Johnstone & Kirkby 2008, Johnstone & Storr 1998). Baudin's Cockatoo usually occur in small flocks of up to 30, or occasionally up to 50 and rarely in aggregations of up to 1200 (Johnstone & Kirkby 2008). Baudin's Cockatoo is distinguished from Carnaby's Cockatoo by its longer bill and slightly different call.

This species forages primarily in Eucalypt forest, where it feeds on Marri seeds, flowers, nectar and buds. They also feed on a wide range of seeds of Eucalyptus, Banksia, Hakea and Pines (*Pinus* sp.) as well as fruiting apples and pears and beetle larvae from under the bark of trees (Johnstone & Kirkby 2008, Johnstone & Storr 1998). Baudin's Cockatoo forages at all levels of the forest, from the canopy to the ground, often feeding in the understorey on proteaceous trees and shrubs, especially Banksia, and in orchards both in trees and on dropped or fallen fruit on the ground.

The breeding biology of this species is poorly known. It has been recorded breeding in the deep south-west, north to the Whicher Range and Lowden and also isolated records at Wungong Catchment, Serpentine (hills area) and east to Kojonup and near Albany (Johnstone & Kirkby 2008). They nest in large, mostly vertical, hollows of Karri, Marri and Wandoo. Baudin's Cockatoos display strong pair bonds are monogamous and most likely mate for life (Johnstone & Kirkby 2008). The pair remains together all year round except when the female is incubating and brooding. Both adults play a part in selecting the nest hollow, but only the female is responsible for renovation and preparing the hollow for breeding. Preparation of the hollow consists of chewing around the entrance of the hollow and down one part of the interior wall. Pairs have also been recorded prospecting for hollows in most months and outside the breeding range (Johnstone & Kirkby 2008).

There was a single record of Baudin's Black Cockatoo in the DBCA threatened fauna database in the vicinity of the survey area. This record is from 2002 and is from Jandabup Lake, which is approximately 20 km to the south-west of the survey area.

The Banksia Woodland habitat, provides suitable foraging habitat for Baudin's Black Cockatoo (however Banksia is not this species primary food source). The species has good dispersal abilities, however, the survey area is at the very northern limit of the species known distribution. As a result, Baudin's Black Cockatoo is considered as Possibly occurring in the Survey Area.

5.4 Black Cockatoo Habitat Assessment

Potential Breeding Habitat

No eucalyptus trees were recorded in the survey area. As a result, no potential breeding habitat (trees with DBH > 500mm) is present in the survey area

Foraging Habitat

The Banksia Woodland can also be considered Black Cockatoo foraging habitat. There is a total of 0.4 ha of foraging habitat, which consists of *B. attenuata*, *B. menziesii* and *X. preissii* which are known forging items for Black Cockatoos (DAWE 2022)

It is important to note that although the survey area does provide some potential foraging habitat for Black Cockatoo species, the very limited clearing that is due to take place, will likely have little to near no impact on the species locally, but particularly at a regional level.



5.5 Fauna Habitat

During the fauna survey one broad fauna habitat type was identified in the survey area, with this based on vegetation structure (primarily the extent of vegetation cover in the various strata) and species composition (Figure 11).

Banksia Woodland

Banksia Woodland comprised 0.4 ha (50%) of the Survey Area and was considered to be Good to Degraded condition. The Banksia Woodland habitat consists of tall shrubs including *B. attenuata and B. menziesii, over a mid-story of X. preissii Kunzea glabrensis and Adenanthos sericeus,* over low mixed shrubs including *Leptospermum erubescens, mixed herbs and grasses* on sandy soils.

The Banksia provides foraging habitat for Black Cockatoo species and habitat for other larger bird species, including the Magpie and Australian Ringneck, as well as various Honeyeaters which were all recorded in this habitat. While the midstratum provides habitat for small bird species such as the Variegated Fairy-wren. The lower stratum, provides habitat for small reptile and bird species, and some mammal species such as the Southern Brown Bandicoot. Some areas contain leaf litter and woody debris, which provide microhabitat for some common reptile species (such as Buchanan's snake-eyed skink). The sandy soils provide habitat for burrowing species such as the Black- striped Snake discussed above.

Again, it is important to note, that although the survey area does provide potential habitat for a number of species, including a number of conservation significant species (section 5.3), the limited clearing that is to take place for the remedial works, will likely have limited to no impact on these fauna species.



6 Conclusion and Mitigation Measures

PBC is proposing to undertake asbestos remediation control works at RAAF Pearce Muchea Firing Range, in seven small areas. The seven areas total 0.8 ha and consist of degraded vegetation surrounding disused areas of Defence Infrastructure (buildings/structures/hardstand areas), with some areas displaying evidence of recent fire.

The area surveyed for this report, extends beyond the intended area to be cleared, with potential clearing of native vegetation expected to be very limited (less than 0.4 ha).

Although the survey area contains the Banksia Woodland TEC and provides habitat for a number of conservation significant fauna species, the limited clearing required for the project is likely to have minimal impact to both flora and fauna.

As stated, clearing will be limited, however, the following mitigation measures are to be implemented in order to limit impacts to native flora and fauna, as much as practically possible:

- Clearing of large Banksia will be avoided (where possible).
- Large Banksia can be demarcated prior to clearing (if required).
- Clearing of trees and large shrubs will be avoided (where possible).
- Manual clearing will be used where possible around mature trees.
- Workers will agitate the soil and bushes prior to clearing, working in a line and conduct clearing in one direction to allow dispersal of fauna.
- Any injuries or mortality to native fauna during site works will be recorded.
- No pets or firearms to be brought on to site by contractors.
- Ensure all vehicles and personnel remain within demarcated work areas or existing tracks/firebreaks.
- Comply with the requirements of the dieback management plan.



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FIGURES



Figure 3: Soil And Geology

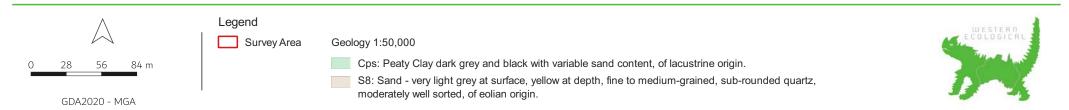


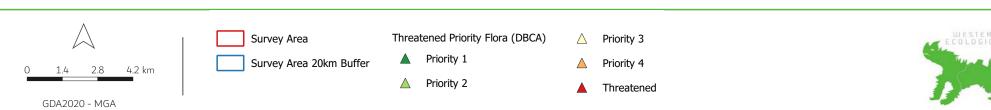


Figure 4: Vegetation complexes





Figure 5: Desktop flora (DBCA Records)



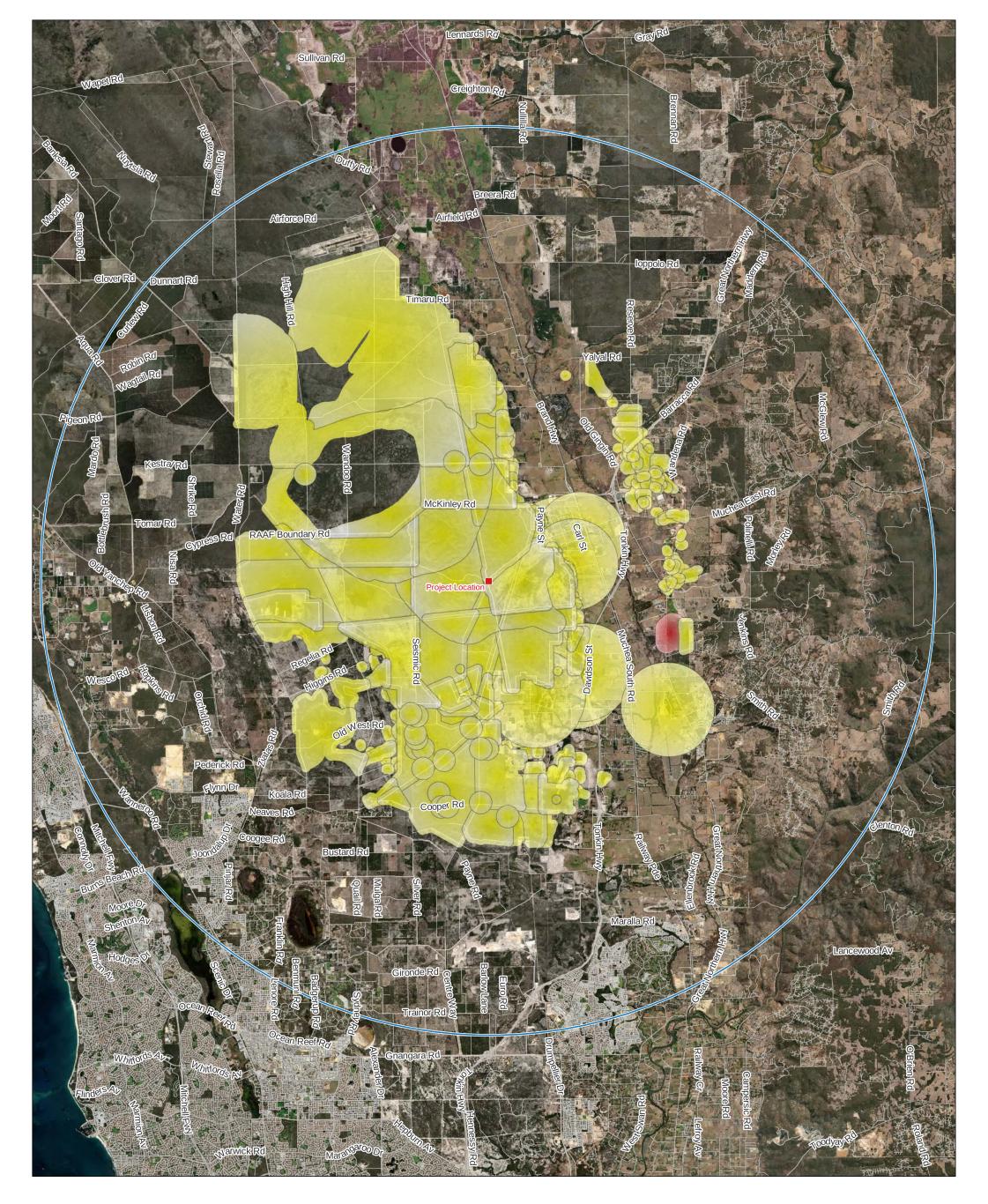


Figure 6: Desktop significant communities

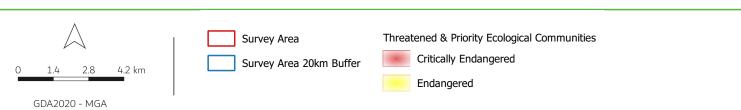






Figure 7: Vegetation types





Figure 8: Vegetation Condition



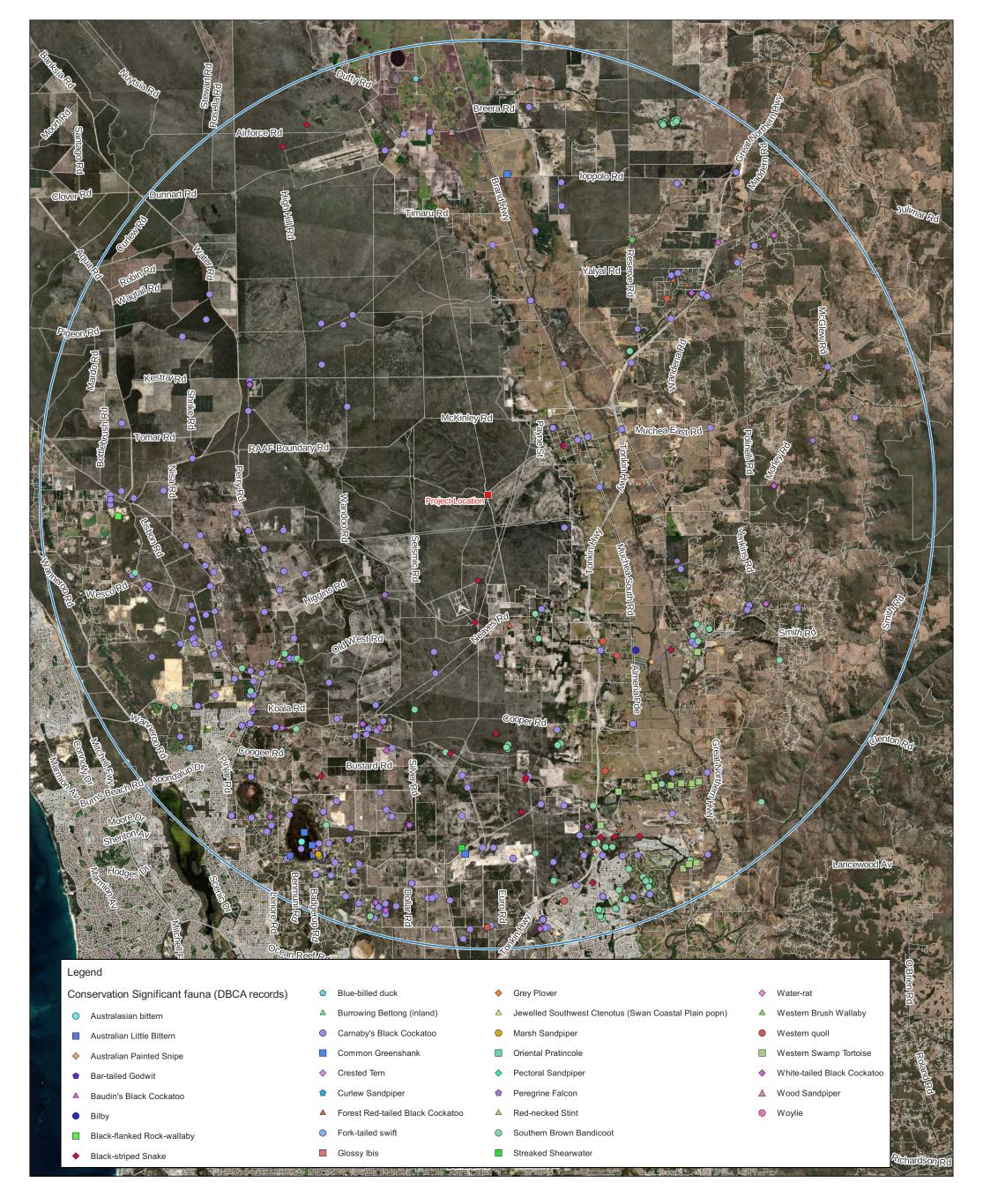


Figure 9: Conservation Significant Fauna Records (DBCA)

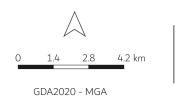






Figure 1\$: Fauna 5ggYgga Ybh'@c\Wh]cbg



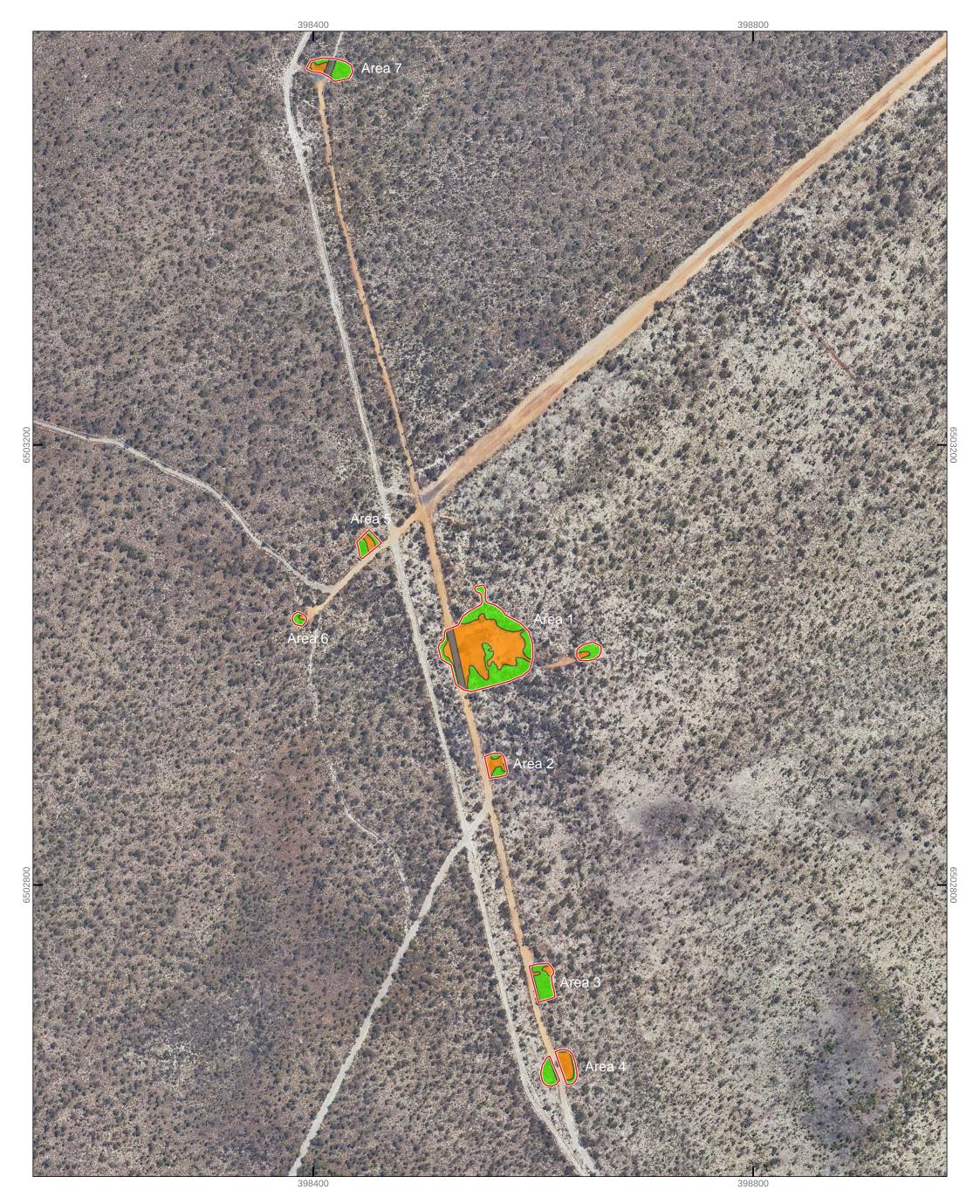


Figure 11: Fauna Habitat





APPENDICES



Appendix 1: Conservation Categories



Categories of Threatened Flora and Fauna Species under the EPBC Act

Conservation Code	Description
Ex	Extinct
	Taxa which at a particular time if, at the time, there is no reasonable doubt that the last member of the species has died.
ExW	Extinct in the Wild
	Taxa which is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.
CE	Critically Endangered
	Taxa which at a particular time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
En	Endangered
	Taxa which is not critically endangered and it is facing a very high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.
Vu	Vulnerable
	Taxa which is not critically endangered or endangered and is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.

Source: Environment Protection and Biodiversity Conservation Act 1999.



Categories of Threatened Flora and Fauna Species under the BC Act



CONSERVATION CODES

For Western Australian Flora and Fauna

Threatened, Extinct and Specially Protected fauna or flora¹ are species² which have been adequately searched for and are deemed to be, in the wild, threatened, extinct or in need of special protection, and have been gazetted as such.

The Wildlife Conservation (Specially Protected Fauna) Notice 2018 and the Wildlife Conservation (Rare Flora) Notice 2018 have been transitioned under regulations 170, 171 and 172 of the Biodiversity Conservation Regulations 2018 to be the lists of Threatened, Extinct and Specially Protected species under Part 2 of the Biodiversity Conservation Act 2016.

Categories of Threatened, Extinct and Specially Protected fauna and flora are:

T Threatened species

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

Threatened fauna is that subset of 'Specially Protected Fauna' listed under schedules 1 to 3 of the Wildlife Conservation (Specially Protected Fauna) Notice 2018 for Threatened Fauna.

Threatened flora is that subset of 'Rare Flora' listed under schedules 1 to 3 of the Wildlife Conservation (Rare Flora) Notice 2018 for Threatened Flora.

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

CR Critically endangered species

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

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

EN Endangered species

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

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

VU Vulnerable species

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

Listed as vulnerable under section 19(1)(c) of the BC Act in accordance with the criteria set out in section 22 and the ministerial guidelines. Published under schedule 3 of the Wildlife Conservation (Specially Protected Fauna) Notice 2018 for vulnerable fauna or the Wildlife Conservation (Rare Flora) Notice 2018 for vulnerable flora.



Conservation codes for Western Australian flora and fauna

Extinct species

Listed by order of the Minister as extinct under section 23(1) of the BC Act as extinct or extinct in the wild.

EX Extinct species

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

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

EW Extinct in the wild species

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

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

Specially protected species

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

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

MI Migratory species

Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth; and listing is otherwise in accordance with the ministerial guidelines (section 15 of the BC Act).

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

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

CD Species of special conservation interest (conservation dependent fauna)

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

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

OS Other specially protected species

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

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



Conservation codes for Western Australian flora and fauna

P Priority species

Possibly threatened species that do not meet survey criteria, or are otherwise data deficient, are added to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of conservation status so that consideration can be given to their declaration as threatened fauna or flora.

Species that are adequately known, are rare but not threatened, or meet criteria for near threatened, or that have been recently removed from the threatened species or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring.

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

1 Priority 1: Poorly-known species

Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.

2 Priority 2: Poorly-known species

Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, e.g. national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.

3 Priority 3: Poorly-known species

Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.

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

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

Last updated 3 January 2019

¹The definition of flora includes algae, fungi and lichens

²Species includes all taxa (plural of taxon - a classificatory group of any taxonomic rank, e.g. a family, genus, species or any infraspecific category i.e. subspecies or variety, or a distinct population).



Appendix 2: Flora Desktop Assessment Results



Results of the flora desktop assessment are presented below.

Table A1: Conservation significant flora species identified in the desktop assessment.

Species	Conserv	ation status	FI	11-1-14-4	Distance to survey	I Haalila a al
Species	Cwth	WA	Flowering time	Habitat	area	Likelihood
Acacia anomala	Vulnerable	Vulnerable	August to September	Lateritic soils. Slopes	4 km	Low
Acacia drummondii subsp. affinis		Priority 3	July to August	Lateritic gravelly soils	9 km	Low
Adenanthos cygnorum subsp. chamaephyton		Priority 3	July or September to December or January	Grey sand, lateritic gravel	10 km	Medium
Andersonia gracilis	Endangered	Vulnerable	September to November	White/grey sand, sandy clay, gravelly loam. Winter-wet areas, near swamps	20 km	Low
Anigozanthos viridis subsp. terraspectans	Vulnerable	Vulnerable	August to September	Grey sand, clay loam. Winterwet depressions	20 km	Low
Caladenia huegelii	Endangered	Critically Endangered	September to October	Grey or brown sand, clay loam	20 km	Low
Calectasia elegans		Priority 2	September	Sand. Plains	7 km	Medium
Caleana dixonii	Endangered		October to December or January	Grey sand over granite	20 km	Low
Chamaescilla gibsonii		Priority 3	September	Clay to sandy clay. Winter-wet flats, shallow water-filled claypans	4.5 km	Low
Chamelaucium sp. Gingin (N.G.Marchant 6)	Endangered	Vulnerable			20 km	Low



0	Conservation status		Eleveration times	Habitat	Distance to survey	1.91 - 191 1
Species	Cwth	WA	Flowering time	Habitat	area	Likelihood
Conospermum densiflorum subsp. unicephalatum	Endangered	Endangered	September to November	Clay soils. Low-lying areas	20 km	Low
Cyathochaeta teretifolia		Priority 3		Grey sand, sandy clay. Swamps, creek edges	4 km	Low
Darwinia foetida	Critically Endangered	Endangered	August to November	Sand. Plains, slopes	4 km	High
Diplolaena andrewsii	Endangered	Endangered	July to October	Loam, clay. Granite outcrops & hillsides	20 km	Low
Diuris drummondii	Vulnerable	Vulnerable	November to December or January	Low-lying depressions, swamps	5.5 km	low
Diuris micrantha	Vulnerable	Vulnerable	September to October	Brown loamy clay. Winter-wet swamps, in shallow water	20 km	Low
Diuris purdiei	Endangered	Endangered	September to October	Grey-black sand, moist. Winterwet swamps	20 km	Low
Drakaea elastica	Endangered	Critically Endangered	October to November	White or grey sand. Low-lying situations adjoining winter-wet swamps	20 km	Low
Drosera occidentalis		Priority 4	October to December or January	Clay. Swamps, winter wet depressions	9 km	Low
Eleocharis keigheryi	Vulnerable	Vulnerable	August to November	Clay, sandy loam. Emergent in freshwater: creeks, claypans	20 km	Low
Eryngium pinnatifidum subsp. palustre (G.J. Keighery 13459)		Priority 3	October	Sandy loam, clay. Winter wet flats	8.5 km	Low



Cuasias	Conservation status		Flavoring time	l la hitat	Distance to survey	I Shadiba a al
Species	Cwth	WA	Flowering time	Habitat	area	Likelihood
Eucalyptus leprophloia	Endangered	Endangered	August to October	White or grey sand over laterite. Valley slopes	20 km	Low
Grevillea althoferorum subsp. fragilis	Endangered	Critically Endangered	October	Sand, laterite. Plains	9 km	Medium
Grevillea curviloba	Endangered	Critically Endangered	August to October	Grey sand, sandy loam. Winterwet heath	5 km	Low
Guichenotia tuberculata		Priority 3	August to October	Sand clay over laterite, sand	8.5 km	Medium
Hibbertia helianthemoides		Priority 4	July or September to October	Clayey sand over sandstone or loam over quartzite. Hills and scree slopes	5 km	Low
Hydrocotyle lemnoides		Priority 4	August to October	Swamps	8.5 km	Low
Hydrocotyle striata		Priority 1		Clay. Springs	5.5 km	Low
Isotropis cuneifolia subsp. glabra		Priority 3	September	Sand, clay loam. Winter-wet flats	5 km	Low
Leucopogon squarrosus subsp. trigynus		Priority 2	September	Sand. Slopes	5 km	High
Macarthuria keigheryi	Endangered	Endangered	September to December or February to March	White or grey sand	20 km	Medium
Netrostylis sp. Chandala (G.J. Keighery 17055)		Priority 2	February	Black peat over clay. Mound springs	5.5 km	Low



Chaolas	Conservation status Cwth WA		Florida Co.		Distance to survey	
Species			Flowering time	Habitat	area	Likelihood
Ornduffia submersa		Priority 4			5.5 km	Low
Persoonia rudis		Priority 3	September to December or January	White, grey or yellow sand, often over laterite	9 km	Medium
Platysace ramosissima		Priority 3	October to November	Sandy soils	4.5 km	High
Schoenus griffinianus		Priority 4	September to October	White sand	10 km	Medium
Stenanthemum sublineare		Priority 2	October to December	Littered white sand. Coastal plain	6.5 km	Medium
Stylidium aceratum		Priority 3	October to November	Sandy soils. Swamp heathland	8 km	Low
Stylidium paludicola		Priority 3	October to December	Peaty sand over clay. Winter wet habitats. Marri and Melaleuca woodland, Melaleuca shrubland	6 km	Low
Stylidium squamellosum	-	Priority 2	October to November	Brown to red-brown clay loam. Winter-wet habitats and depressions, open woodland, shrubland	10 km	Low
Styphelia filifolia	-	Priority 3	June	Sand. Plains	6 km	Medium
Synaphea grandis	-	Priority 4	October to November	Laterite	8.5 km	Low



C		vation status	Flavoring time	Flavoring time		الموموانا وما
Species	Cwth	WA	Flowering time	Habitat	area	Likelihood
Synaphea sp. Fairbridge Farm (D. Papenfus 696)	Critically Endangered	Critically Endangered	October	Sandy with lateritic pebbles. Near winter-wet flats, in low woodland with weedy grasses	20 km	Low
Thelymitra dedmaniarum	Endangered	Critically Endangered	November to December or January	Granite	20 km	Low
Thelymitra stellata	Endangered	Endangered	October to November	Sand, gravel, lateritic loam	10 km	Medium
Verticordia serrata var. Iinearis		Priority 3	September to October	White sand, gravel. Open woodland	5 km	High



Table A-2: Conservation significant ecological communities identified in desktop assessment.

Foological community	Conservation St	atus	Distance to survey	121 - 121 1
Ecological community	Cwth	WA	area	Likelihood
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Priority 3	Within the survey area	High
Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)	Endangered	Critically Endangered	1.5 km east	High
Shrublands and woodlands on Muchea Limestone of the Swan Coastal Plain	Endangered	Endangered	2.4 km east	High
SCP07 - Herb rich saline shrublands in clay pans (floristic community type 7 as originally described in Gibson et al. (1994))	Critically Endangered	Vulnerable	7.5 km southeast	Low
SCP21c - Low lying Banksia attenuata woodlands or shrublands	Endangered	Priority 3	3.5 km southwest	High
SCP21c - Banksia ilicifolia woodlands	Endangered	Priority 3	3.3 km southwest	Medium
SCP23b - Swan Coastal Plain Banksia attenuata - Banksia menziesii woodlands	Endangered	Priority 3	3.4 km south	High
SCP25 - Southern Eucalyptus gomphocephala-Agonis flexuosa woodlands	-	Priority 3	4 km east	Medium
SCP3c - Corymbia calophylla - Xanthorrhoea preissii woodlands and shrublands, Swan Coastal Plain (floristic community type 3c as originally described in in Gibson et al. (1994))	Endangered	Critically Endangered	8.7 km southeast	Medium
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	-	10 km	Low



Appendix 3: Flora Species List





Flora species recorded within the survey area.

Family	Species
Asteraceae	*Hypochaeris glabra
	Podotheca gnaphalioides
	*Ursinia anthemoides
Campanulaceae	*Wahlenbergia capensis
Crassulaceae	Crassula colorata
Dasypogonaceae	Dasypogon bromeliifolius
Dilleniaceae	Hibbertia subvaginata
Ericaceae	Andersonia heterophylla
	Conostephium pendulum
	Styphelia propinqua
Fabaceae	Acacia pulchella
	Acacia saligna
	Bossiaea eriocarpa
	Jacksonia floribunda
	Jacksonia sternbergiana
Geraniaceae	*Erodium botrys
	*Pelargonium ×domesticum
	*Pelargonium capitatum
Goodeniaceae	Scaevola glandulifera
Haemodoraceae	Anigozanthos humilis
Iridaceae	*Freesia alba × leichtlinii
	*Gladiolus caryophyllaceus
	Patersonia occidentalis
Lauraceae	Cassytha racemosa
Loranthaceae	Nuytsia floribunda
Myrtaceae	Calytrix sapphirina
	Corymbia calophylla
	Corymbia citriodora
	Eremaea pauciflora
	Hypocalymma angustifolium



Prepared for PCB Asbestos and Demolition

Myrtaceae Kunzea glabrescens Kunzea micrantha Kunzea recurva Leptospermum erubescens Melaleuca rhaphiophylla Melaleuca seriata Verticordia nitens Phyllanthaceae Lysiandra calycina Poaceae *Aira cupaniana Poaceae Aristida contorta *Briza maxima *Bromus diandrus *Ehrharta calycina				
Kunzea recurva Leptospermum erubescens Melaleuca rhaphiophylla Melaleuca seriata Verticordia nitens Phyllanthaceae Lysiandra calycina Poaceae *Aira cupaniana Poaceae Aristida contorta *Briza maxima *Bromus diandrus *Ehrharta calycina				
Leptospermum erubescens Melaleuca rhaphiophylla Melaleuca seriata Verticordia nitens Phyllanthaceae Lysiandra calycina Poaceae *Aira cupaniana Poaceae Aristida contorta *Briza maxima *Bromus diandrus *Ehrharta calycina				
Melaleuca rhaphiophylla Melaleuca seriata Verticordia nitens Phyllanthaceae Lysiandra calycina Poaceae *Aira cupaniana Poaceae Aristida contorta *Briza maxima *Bromus diandrus *Ehrharta calycina				
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*Briza maxima *Bromus diandrus *Ehrharta calycina				
*Bromus diandrus *Ehrharta calycina				
*Ehrharta calycina	*Briza maxima			
*Fbubauta lau ::!!				
*Ehrharta longiflora				
*Pentameris airoides				
Primulaceae *Lysimachia arvensis				
Proteaceae Adenanthos cygnorum				
Banksia attenuata				
Banksia menziesii				
Banksia sessilis				
Petrophile linearis				
Stirlingia latifolia				
Solanaceae *Solanum nigrum				
Stylidiaceae Stylidium araeophyllum				
Stylidium diuroides				
Stylidium repens				
Xanthorrhoeaceae Xanthorrhoea preissii				

^{*} Denotes a weed species



Appendix 4: Flora Species Within the Vegetation Types





Species within each vegetation type.

Species	VT1 – BaBmKgLe	Opportunistic
Acacia pulchella	X	
Acacia saligna	X	
Adenanthos cygnorum	Х	
*Aira cupaniana	Х	
Andersonia heterophylla	X	
Anigozanthos humilis	Х	
Aristida contorta	Х	
Banksia attenuata	Х	
Banksia menziesii	X	
Banksia sessilis	X	
Bossiaea eriocarpa	X	
*Briza maxima	X	
*Bromus diandrus	X	
Calytrix sapphirina	X	
Cassytha racemosa	X	
Conostephium pendulum	Х	
Corymbia calophylla	X	
Corymbia citriodora		Χ
Crassula colorata	Х	
Dasypogon bromeliifolius	X	
Daucus glochidiatus	X	
*Ehrharta calycina	Х	
*Ehrharta longiflora	X	
Eremaea pauciflora	X	
*Erodium botrys	X	
*Freesia alba × leichtlinii	X	
*Gladiolus caryophyllaceus	X	
Hibbertia subvaginata	X	
Hyalosperma cotula	X	
Hypocalymma angustifolium	X	



Prepared for PCB Asbestos and Demolition

Species	VT1 – BaBmKgLe	Opportunistic
*Hypochaeris glabra	X	
Jacksonia floribunda	X	
Jacksonia sternbergiana		Χ
Kunzea glabrescens	X	
Kunzea micrantha	X	
Kunzea recurva		Χ
Leptospermum erubescens	X	
Lysiandra calycina	X	
*Lysimachia arvensis	X	
Melaleuca rhaphiophylla		Χ
Melaleuca seriata	X	
Nuytsia floribunda	X	
Patersonia occidentalis	X	
*Pelargonium ×domesticum	X	
*Pelargonium capitatum	X	
*Pentameris airoides	X	
Petrophile linearis	X	
Podotheca gnaphalioides	X	
Scaevola glandulifera	X	
*Solanum nigrum		X
Stirlingia latifolia	X	
Stylidium araeophyllum	X	
Stylidium diuroides	X	
Stylidium repens	X	
Styphelia propinqua	X	
Thysanotus manglesianus	X	
*Ursinia anthemoides	X	
Verticordia nitens	X	
*Wahlenbergia capensis	X	
Xanthorrhoea preissii	X	

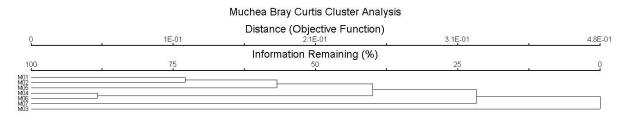
^{*} Denotes a weed species



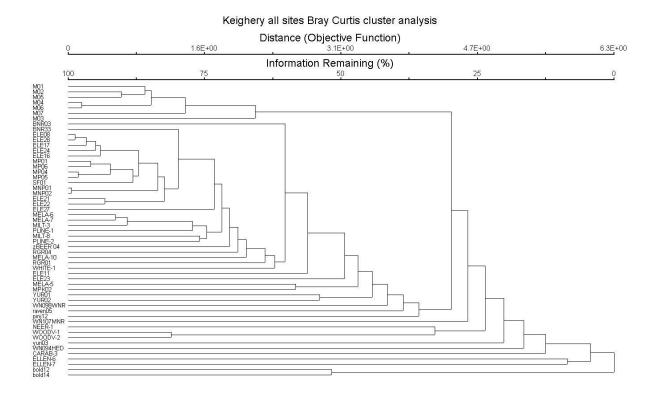
Appendix 5: Flora Statistical Analysis



Cluster analysis dendrogram showing similarities between survey sites.



Cluster analysis dendrogram showing similarities between closest Keighery (2012) quadrats and survey sites





Appendix 6: Flora Quadrat Data



Site M01

Date:	14/11/2022	Botanist:	CK		
Waypoint:	1014				
NW corner latitude:	-31.606985	NW corner longitude:	115.931268		
Landform:	Undulating plain	Slope and aspect:	Gentle		
Soil colour:	Grey	Soil texture:	Sand		
Rock type:	None	Rock cover:	NA		
Condition:	Good – Degraded	Fire history:	> 3 yrs		
Disturbance:	Weeds, tracks, old infrastructure				
Vegetation description:	VT1 – BaKgLe Low open woodland of <i>Banksia attenuata</i> , <i>Banksia menziesii</i> and <i>Nuytsia floribunda</i> over tall open shrubland of <i>Kunzea glabrescens</i> and <i>Kunzea micrantha</i> over low sparse shrubland of <i>Hibbertia subvaginata</i> and <i>Leptospermum erubescens</i>				

Photo





Species	Height (m)	Cover (%)
Acacia pulchella	Shrub (0-1 m)	< 1
*Aira cupaniana	Grass	< 1
Banksia attenuata	Tree (<10 m)	5 – 9
Banksia menziesii	Tree (<10 m)	1 – 4
Bossiaea eriocarpa	Shrub (0-1 m)	< 1
*Bromus diandrus	Grass	< 1
Calytrix sapphirina	Shrub (0-1 m)	< 1
Conostephium pendulum	Shrub (0-1 m)	< 1
Hibbertia subvaginata	Shrub (0-1 m)	1 - 4
Jacksonia floribunda	Shrub (0-1 m)	< 1
Kunzea glabrescens	Shrub (1-2 m)	1 – 4
Kunzea micrantha	Shrub (>2 m)	5 – 9
Leptospermum erubescens	Shrub (0-1 m)	1 – 4
Nuytsia floribunda	Tree (<10 m)	Assoc.
Patersonia occidentalis	Shrub (0-1 m)	< 1
Petrophile linearis	Shrub (0-1 m)	< 1
Podotheca gnaphalioides	Herb	< 1
Scaevola glandulifera	Shrub (0-1 m)	< 1
Stirlingia latifolia	Shrub (0-1 m)	< 1
Stylidium araeophyllum	Herb	< 1
Stylidium diuroides	Herb	< 1
Stylidium repens	Herb	< 1
Thysanotus manglesianus	Herb	< 1
*Ursinia anthemoides	Herb	< 1

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1016		
NW corner latitude:	-31.606266	NW corner longitude:	115.931252
Landform:	Undulating plain	Slope and aspect:	Gentle
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Good - Degraded	Fire history:	> 3 yrs
Disturbance:	Weeds, tracks, clearing, old infrastructure, asbestos, litter, potential dieback		
Vegetation description:	VT1 – BaKgLe Low open woodland of <i>Banksia attenuata</i> , <i>Banksia menziesii</i> and <i>Nuytsia floribunda</i> over tall sparse shrubland of <i>Kunzea glabrescens</i> over low sparse shrubland of <i>Leptospermum erubescens</i>		





Species	Height (m)	Cover (%)
Adenanthos cygnorum	Shrub (>2 m)	< 1
*Aira cupaniana	Grass	< 1
Banksia attenuata	Tree (<10 m)	5 – 9
Banksia menziesii	Tree (<10 m)	5 – 9
*Bromus diandrus	Grass	< 1
Calytrix sapphirina	Shrub (0-1 m)	< 1
Corymbia calophylla	Tree (<10 m)	Assoc.
Daucus glochidiatus	Herb	< 1
*Freesia alba × leichtlinii	Herb	< 1
Hibbertia subvaginata	Shrub (0-1 m)	< 1
Hyalosperma cotula	Herb	1 – 4
*Hypochaeris glabra	Herb	< 1
Jacksonia floribunda	Shrub (0-1 m)	< 1
Kunzea glabrescens	Shrub (>2 m)	1 – 4
Kunzea micrantha	Shrub (1-2 m)	< 1
Leptospermum erubescens	Shrub (0-1 m)	1 - 4
*Lysimachia arvensis	Herb	< 1
Melaleuca seriata	Shrub (0-1 m)	< 1
Nuytsia floribunda	Tree (<10 m)	1 – 4
*Pelargonium capitatum	Herb	< 1
*Pentameris airoides	Grass	< 1
Podotheca gnaphalioides	Herb	< 1
Scaevola glandulifera	Shrub (0-1 m)	< 1
Stirlingia latifolia	Shrub (0-1 m)	< 1
*Ursinia anthemoides	Herb	< 1
Verticordia nitens	Shrub (0-1 m)	< 1

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1017		
NW corner latitude:	-31.60447	NW corner longitude:	115.930736
Landform:	Undulating plain	Slope and aspect:	Negligible
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Degraded	Fire history:	2 - 3 yrs
Disturbance:	Weeds, asbestos, old infras	tructure	
Vegetation description:	VT1 – BmKgLe Low open woodland of <i>Banksia attenuata</i> and <i>Banksia menziesii</i> over tall open shrubland of <i>Acacia saligna</i> and <i>Kunzea glabrescens</i> over low sparse shrubland of <i>Leptospermum erubescens</i>		





Species	Height (m)	Cover (%)
Acacia saligna	Shrub (>2 m)	1 – 4
Adenanthos cygnorum	Shrub (1-2 m)	< 1
Banksia attenuata	Tree (<10 m)	1 – 4
Banksia menziesii	Tree (<10 m)	5 – 9
*Briza maxima	Grass	< 1
*Bromus diandrus	Grass	< 1
Dasypogon bromeliifolius	Shrub (0-1 m)	Assoc.
Daucus glochidiatus	Herb	< 1
*Ehrharta longiflora	Grass	1 – 4
*Gladiolus caryophyllaceus	Shrub (0-1 m)	< 1
Hypocalymma angustifolium	Shrub (0-1 m)	< 1
Kunzea glabrescens	Shrub (>2 m)	10 – 24
Kunzea micrantha	Shrub (1-2 m)	< 1
Leptospermum erubescens	Shrub (0-1 m)	1 – 4
Lysiandra calycina	Shrub (0-1 m)	< 1
*Lysimachia arvensis	Herb	< 1
Melaleuca rhaphiophylla	Tree (<10 m)	Assoc.
*Pentameris airoides	Grass	< 1
*Ursinia anthemoides	Herb	< 1
Verticordia nitens	Shrub (0-1 m)	< 1
Xanthorrhoea preissii	Shrub (0-1 m)	Assoc.

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1018		
NW corner latitude:	-31.603265	NW corner longitude:	115.930649
Landform:	Undulating plain	Slope and aspect:	Gentle
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Degraded	Fire history:	>3 yrs
Disturbance:	Weeds, asbestos, old infrastructure, tracks, potential dieback		
Vegetation description:	VT1 – BaAcLe Low open woodland of <i>Banksia attenuata</i> and <i>Banksia menziesii</i> over tall sparse shrubland of <i>Adenanthos cygnorum</i> over low sparse shrubland of <i>Jacksonia floribunda</i> , <i>Leptospermum erubescens</i> and <i>Pelargonium</i> × <i>domesticum</i>		





Species	Height (m)	Cover (%)
Adenanthos cygnorum	Shrub (>2 m)	5 – 9
Aristida contorta	Grass	< 1
Banksia attenuata	Tree (<10 m)	1 – 4
Banksia menziesii	Tree (<10 m)	1 – 4
Bossiaea eriocarpa	Shrub (0-1 m)	< 1
Calytrix sapphirina	Shrub (0-1 m)	< 1
Corymbia citriodora	Tree (10-30 m)	Assoc.
Crassula colorata	Herb	< 1
*Ehrharta calycina	Grass	< 1
Eremaea pauciflora	Shrub (1-2 m)	< 1
*Erodium cygnorum	Herb	< 1
Hibbertia subvaginata	Shrub (0-1 m)	< 1
Jacksonia floribunda	Shrub (0-1 m)	1 – 4
Kunzea micrantha	Shrub (1-2 m)	< 1
Kunzea recurva	Shrub (0-1 m)	< 1
Leptospermum erubescens	Shrub (1-2 m)	5 – 9
Lysiandra calycina	Shrub (0-1 m)	< 1
*Lysimachia arvensis	Herb	< 1
*Pelargonium ×domesticum	Shrub (0-1 m)	1 – 4
*Pentameris airoides	Grass	< 1
Petrophile linearis	Shrub (0-1 m)	< 1
Podotheca gnaphalioides	Herb	< 1
Styphelia propinqua	Shrub (0-1 m)	< 1
*Ursinia anthemoides	Herb	< 1

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1019		
NW corner latitude:	-31.602571	NW corner longitude:	115.929603
Landform:	Undulating plain	Slope and aspect:	Negligible
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Good - Degraded	Fire history:	>3 yrs
Disturbance:	Weeds, asbestos, potential dieback, old infrastructure		
Vegetation description:	VT1 – AcLe		
	Tall sparse shrubland of Adenanthos cygnorum over low sparse shrubland of Kunzea recurva and Leptospermum erubescens		





Species	Height (m)	Cover (%)
Adenanthos cygnorum	Shrub (>2 m)	5 – 9
Banksia attenuata	Tree (<10 m)	< 1
Banksia menziesii	Tree (<10 m)	< 1
Banksia sessilis	Tree (<10 m)	< 1
*Bromus diandrus	Grass	< 1
*Erodium cygnorum	Herb	< 1
*Hypochaeris glabra	Herb	< 1
Jacksonia floribunda	Shrub (0-1 m)	< 1
Kunzea micrantha	Shrub (1-2 m)	1 – 4
Leptospermum erubescens	Shrub (1-2 m)	5 – 9
*Lysimachia arvensis	Herb	< 1
*Pelargonium capitatum	Shrub (0-1 m)	1 – 4
*Pentameris airoides	Grass	1 – 4
Podotheca gnaphalioides	Herb	< 1
Styphelia propinqua	Shrub (0-1 m)	< 1
*Ursinia anthemoides	Herb	< 1
Verticordia nitens	Shrub (0-1 m)	< 1

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1020		
NW corner latitude:	-31.603235	NW corner longitude:	115.928877
Landform:	Undulating plain	Slope and aspect:	Negligible
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Good	Fire history:	>3 yrs
Disturbance:	Weeds, asbestos, potential dieback		
Vegetation description:	VT1 – BaKgLe Low open woodland of <i>Banksia attenuata</i> and <i>Banksia menziesii</i> over tall sparse shrubland of <i>Adenanthos cygnorum</i> and <i>Kunzea glabrescens</i> over low sparse shrubland of <i>Leptospermum erubescens</i>		





Species	Height (m)	Cover (%)
Acacia pulchella	Shrub (0-1 m)	< 1
Adenanthos cygnorum	Shrub (>2 m)	1 – 4
Banksia attenuata	Tree (<10 m)	5 – 9
Banksia menziesii	Tree (<10 m)	5 – 9
Bossiaea eriocarpa	Shrub (0-1 m)	< 1
Cassytha racemosa	Vine	< 1
Eremaea pauciflora	Shrub (0-1 m)	< 1
*Erodium cygnorum	Herb	< 1
*Gladiolus caryophyllaceus	Shrub (0-1 m)	< 1
Hibbertia subvaginata	Shrub (0-1 m)	< 1
Jacksonia floribunda	Shrub (0-1 m)	< 1
Kunzea glabrescens	Shrub (>2 m)	1 – 4
Kunzea micrantha	Shrub (0-1 m)	< 1
Leptospermum erubescens	Shrub (0-1 m)	1 – 4
Lysiandra calycina	Shrub (0-1 m)	< 1
*Lysimachia arvensis	Herb	< 1
*Pentameris airoides	Grass	1 – 4
Petrophile linearis	Shrub (0-1 m)	< 1
Scaevola glandulifera	Shrub (0-1 m)	< 1
Stylidium repens	Herb	< 1
Styphelia propinqua	Shrub (0-1 m)	< 1
*Ursinia anthemoides	Herb	< 1
Verticordia nitens	Shrub (0-1 m)	< 1

^{*} Denotes an introduced species



Date:	14/11/2022	Botanist:	CK
Waypoint:	1021		
NW corner latitude:	-31.598792	NW corner longitude:	115.929188
Landform:	Undulating plain	Slope and aspect:	Negligible
Soil colour:	Grey	Soil texture:	Sand
Rock type:	Laterite gravel	Rock cover:	<10%
Condition:	Degraded	Fire history:	1 - 2 yrs
Disturbance:	Weeds, asbestos, old infrastructure, fire		
Vegetation description:	VT1 – BmKgLe		
	Low open woodland of <i>Banksia attenuata</i> and <i>Banksia menziesii</i> over tall sparse shrubland of <i>Kunzea glabrescens</i> over low sparse shrubland of <i>Leptospermum erubescens</i>		





Species	Height (m)	Cover (%)
Adenanthos cygnorum	Shrub (1-2 m)	< 1
Andersonia heterophylla	Shrub (0-1 m)	< 1
Anigozanthos humilis	Shrub (0-1 m)	< 1
Aristida contorta	Grass	< 1
Banksia attenuata	Tree (<10 m)	1 – 4
Banksia menziesii	Tree (<10 m)	5 – 9
Bossiaea eriocarpa	Shrub (0-1 m)	< 1
Crassula colorata	Herb	< 1
Daucus glochidiatus	Herb	< 1
*Gladiolus caryophyllaceus	Shrub (0-1 m)	< 1
Jacksonia floribunda	Shrub (0-1 m)	< 1
Kunzea glabrescens	Shrub (>2 m)	1 – 4
Leptospermum erubescens	Shrub (0-1 m)	1 – 4
*Lysimachia arvensis	Herb	< 1
*Pelargonium capitatum	Shrub (0-1 m)	< 1
*Pentameris airoides	Grass	< 1
Podotheca gnaphalioides	Herb	< 1
Stirlingia latifolia	Shrub (0-1 m)	< 1
Stylidium repens	Herb	< 1
Styphelia propinqua	Shrub (0-1 m)	< 1
*Ursinia anthemoides	Herb	< 1
Verticordia nitens	Shrub (0-1 m)	< 1
*Wahlenbergia capensis	Herb	< 1

^{*} Denotes an introduced species



Appendix 7: Fauna Database Results

				WA	EPBC					
FAMILY	SCI NAME	SUB SP	COM NAME	status	status	YEAR CERTAINTY	OBS METHOD	OBS TYPE	SITE	ACCURACY M
Apodidae	Apus pacificus		Fork-tailed swift	MI	MI	2009			Killplaw Loop	0
·	·									
									Abandoned limestone quarry (Dunstan's Lime Kiln	
Potoroidae	Bettongia lesueur graii	graii	Burrowing bettong (inland)	EX	EX	0 Certain	Historical (written)	Fossil	Quarries) located 9 miles (=14.4 km) N of Wanneroo.	10000
									AL	
Datavaldas	Detternie negicillete esillesi	a attla:	Doveda to itself both one	CD.	- N	O Cautain	Historical (contact)	Famil	Abandoned limestone quarry (Dunstan's Lime Kiln	10000
Potoroidae Ardeidae	Bettongia penicillata ogilbyi Botaurus poiciloptilus	ogilbyi	Brush-tailed bettong Australasian bittern	CR EN	EN EN	0 Certain 1982 Certain	Historical (written)	Fossil	Quarries) located 9 miles (=14.4 km) N of Wanneroo. Lake Jandabup	10000 1000
Ardeidae	Botaurus poiciloptilus		Australasian bittern	EN	EN	1983 Certain	Opportunistic sighting Opportunistic sighting	Sighting Sighting	Lake Jandabup	1000
Ardeidae	Botaurus poiciloptilus		Australasian bittern	EN	EN	1983 Certain	Survey	Day sighting	Jandabup Lake	1000
Ardeidae	Botaurus poiciloptilus		Australasian bittern	EN	EN	1983 Certain	Survey	Day sighting	Lake Jandabup	1000
Ardeidae	Botaurus poiciloptilus		Australasian bittern	EN	EN	1983 Certain	Survey	Day sighting	Lake Jandabup	1000
Scolopacidae	Calidris ferruginea		curlew sandpiper	CR	MI	1978			MELALEUCA	18000
Scolopacidae	Calidris melanotos		Pectoral Sandpiper	MI	MI	1992				30
Scolopacidae	Calidris ruficollis		Red-necked stint	MI	MI	1981			MELALEUCA	18000
Scolopacidae	Calidris ruficollis		Red-necked stint	MI	MI	2002			Lake Gnangara	500
Scolopacidae	Calidris ruficollis		Red-necked stint	MI	MI	1978			MELALEUCA	18000
Baran Hanifatan	Colored to be accepted		at and a distance of a			2040 Markantak aratak	0	Cara da cala	Centre Way Cnr Blackboy Rd (previously East of Silver	1000
Procellariidae	Calonectris leucomelas		streaked shearwater	MI	MI	2010 Moderately certain	Community survey	Secondary sign	Road/North of Warbrook)	1000
Cacatuidae Cacatuidae	Calyptorhynchus banksii naso Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo Forest red-tailed black cockatoo	VU VU	VU VU	2018 Certain 2018 Certain		sighting	Bullsbrook college bushland Bullsbrook college bushland	200 200
Cacatuidae	Calyptorhynchus banksii naso	naso naso	Forest red-tailed black cockatoo	VU	VU	2018 Certain		sighting sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo	VU	VU	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo	VU	VU	2017 Certain		sighting	Bullsbrook college bushland	200
	,								Lot 403 Dampiera Court Chittering WA 6804, 20km	
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2013 Moderately certain	Survey	Day sighting	north of Bullsbrook	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2006 Certain	Community survey	Day sighting	Blackboy Ridge	10000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2013 Certain	Community survey	Day sighting	Bullsbrook Bridle Trail, Chittering Road.	10000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2009 Certain	Community survey	Day sighting	Burley Park, Corner of Chittering Rd & Quinn Rd	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2011 Certain	Community survey	Day sighting	Maddern Rd North	10000
									Sugar Gum Drive, Lot 689/rural number 82. Site Code:	
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2017 Moderately certain	Community survey	Sighting	CHICHIR001	1000
	Call at a threat and a threat all are		Construction of the Head Internal control of			2047 Marken Laborator	0	C'alara	west of boundary road, in lots norths of Facey Road.	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2017 Moderately certain	Community survey	Sighting	Site Code: WANGNAR005 Muchea Nature Reserve, cnr Carl and Arbuckle. Site	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2017 Moderately certain	Community survey	Sighting	Code: CHIMUCR001	1000
Cacatuluae	Caryptornylichus banksii haso	Haso	Totest reu-taileu black cockatoo	VO	VO	2017 Moderatery Certain	Community survey	Signting	Between Galah & Krake Rd east of Mulga - new	1000
									loaction NE of Silver & Warbrook Roads. Site Code:	
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2017 Moderately certain	Community survey	Sighting	SWAMELR001	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2015 Certain	Opportunistic sighting	5 5	Maddern South Road	10000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	0 Certain	Opportunistic sighting		End of Rocky Creek, along Great Northern Hwy	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2015 Certain	Opportunistic sighting		Corner Old Gingin Road and Great Northern Hwy	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2016 Certain	Opportunistic sighting	Sighting	22 Bindarree Terrace	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2018 Certain	Community survey	Sighting	2018 site code SWABULR005; 35 Sawpit Rd	1000
									2018 site code WANMARR002; Capron-Maringup-	
			Course of the Head Library and a trans-			2012 0 11	0	C'alara	Garden Park Drive-Dundebar Road-Franklin Road	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2012 Certain	Community survey	Sighting	(possible roost) 2018 site code SWABULR002; Jess/Smith Rd Bullsbrook	1000
									reported 2012 as between Kingsford Place and Jess	. -
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2018 Certain	Community survey	Sighting	Road on the bridle trail	1000
cacatalaac	caryptornynenas sanksii naso	11430	Torestrea tailed black cockatoo	VO	VO	2010 CCTCIIII	community survey	Signang	2018 site code SWAMELR001; Between Galah & Krake	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2018 Certain	Community survey	Sighting	Rd east of Mulga	1000
Cacatuidae	Calyptorhynchus banksii naso	naso	forest red-tailed black cockatoo	VU	VU	2019 Moderately certain	Opportunistic sighting	Day sighting	31 Frond Circuit	50
Cacatuidae	Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo	VU	VU	2014 Certain	Survey	Unknown	Maralla, TS1	100
Cacatuidae	Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo	VU	VU	2014 Certain	Survey	Unknown	Maralla, TS6	100
Cacatuidae	Calyptorhynchus banksii naso	naso	Forest red-tailed black cockatoo	VU	VU	2017	Survey		Calyptorhynchus banksii subsp. naso 15/09/2017	200
Cacatuidae	Calyptorhynchus baudinii		Baudin's cockatoo	EN	EN	2002		_	Jandabup Lake	100
Cacatuidae	Calyptorhynchus latirostris		Carnaby's cockatoo	EN	EN	2013 Very Certain	Targeted survey	Remote sensing	South of Warbrook Rd, East of Barlow Rd	30
Cacatuidae	Calyptorhynchus latirostris		Carnaby's cockatoo	EN	EN	2013 Very Certain	Targeted survey	Remote sensing	804 Cooper Rd 169 Halden Rd and 893 Warbrook Rd	30
Cacatuidae	Calyptorhynchus latirostris		Carnaby's cockatoo	EN	EN	2013 Very Certain	Targeted survey	Remote sensing	TOS HAINEII KU AIIU 833 WAIDIOOK KU	30

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Very Certain	Targeted survey	Remote sensing	E and W sides of Drumpellier Dr at N end	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Very Certain	Targeted survey	Remote sensing	Krake Rd, E of Mulga Rd	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Very Certain	Targeted survey	Remote sensing	1139 Old Yanchep Rd	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Very Certain	Targeted survey	Remote sensing	S of Nisa Rd (Pine plantation)	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Very Certain	Targeted survey	Remote sensing	Intersection of Nisa Rd and Perry Rd	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Very Certain	Targeted survey	Remote sensing	311 Wattle Av	30
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Opportunistic sighting	Day sighting	Caporn Park, Pinjar Rd (26542) (Site Number 36) Edgar Griffiths Park, Garden Park Dr (36601) (Site	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Opportunistic sighting	Day sighting	Number 76)	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Survey	Day sighting	Site 1	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Survey	Day sighting	Site2	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Survey	Day sighting	Site3	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Survey	Day sighting	Site 5	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Site 1 Old West Rd	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Not sure	Monitoring	Secondary sign	Gnangara Pine Planataion	10000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Anderson Road (possible roost), gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Between Galah & Krake Rd east of Mulga Conductor Rt - synonomous with HF23 (QB 06/05/10),	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	gnangara Conductor Rt - synonomous with HF23 (QB 06/05/10),	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Secondary sign	gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Secondary sign	Ellenbrook	1000
Cacatalaac	caryptornynends latil ostris	Carriaby 3 Cockatoo	LIV	LIV	2010 Woderately Certain	Community Survey	Secondary sign	Gironde Rd between Dollar and Silver Rd Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Secondary sign	Pine Plantation	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Secondary sign	Hawkins Road North (possible roost), GNANGARA	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Lot 21, gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Near Pinjara Power Station, Yanchep	1000
		·			,	, ,		north and south of Amarante Road (west of Quail	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Raod), gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Opposite Damian Park Damian Rd, Jandabup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Regalia Road-Dasypogon Road area, gnangara Sydney Road (possible roost), gnangara, 2018 site code	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	WANGNAR004	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Timely Hostess Mews, Marijinup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Waneroo Golf Course (possible roost), gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	West of Alf Barbagallo Raceway	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Moderately certain	Community survey	Day sighting	Ziatus-Chitty Road, gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Targeted survey	Day sighting	Gnangara bushland northeast of the intersection of Joondalup Drive, Old Yanchep Road and Neaves Road, Pinjar.	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Opportunistic sighting	Day sighting	Gnangara-Moore River SF - 65 bushland northeast of the intersection of Joondalup	1000
								Drive, Old Yanchep Road and Neaves Road, Pinjar.	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Opportunistic sighting	Day sighting	Gnangara-Moore River SF - 65	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Targeted survey	Day sighting	4 The Embankment, Joondalup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Pinjar Pine Plantation	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Hawkins Rd, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	66 Casuarina Way, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Neaves Rd, Melaleuca Park	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Caporn Park, Edward St, Mariginiup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	1 Facey Rd, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Gnangara Hill, Bullsbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Mulga Road, Jandabup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Melaleuca Park, Neaves Rd	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Wattle Ave East, Pinjar (150m N of Firetower)	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Targeted survey	Day sighting	Carabooda Hill, Old Quarry	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is SWABULR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is SWABULR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is SWABULR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is SWABULR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is SWAMELRO01	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is SWAMELRO01	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is SWAMELR001	1000

Casatuidaa	Caluntarhunahus latirastris	Carnaby's cockatoo	ΓNI	ΓNI	2013 Certain	Community survey	Daysighting	2013 Site code is SWAMELR001	1000
Cacatuidae	Calyptorhynchus latirostris	•	EN	EN		Community survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is SWAMELR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Community survey	Day sighting	2013 Site code is SWAMELR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANGNAR005	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANGNAR005	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Community survey	Day sighting	2013 Site code is WANJANR004	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANJANR007	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANMARR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANMARR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANMARR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain			2013 Site code is WANMARRO03	1000
	**	•				Community survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANMARR003	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANMARR003	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANNEER001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANPINR001	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANPINRO02	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Community survey	Day sighting	2013 Site code is WANPINR002	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Community survey	Day sighting	2013 Site code is WANPINR005	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Community survey	Day sighting	2013 Site code is WANPINR007	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANPINR010	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Community survey	Day sighting	2013 Site code is WANPINR010	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANPINR011	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2013 Certain	Community survey	Day sighting	2013 Site code is WANPINR011	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Yanchep, St Andrews Area	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Yanchep, Old Yanchep Road	50
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	,	2008 Certain	Monitoring	Secondary sign	Yanchep, Old Yanchep Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Yanchep, National Park	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Yanchep, Cutler Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Yanchep, Cutler Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Yanchep, Cutler Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	_	Day sighting	Yanchep	1000
		•				Survey		•	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, Zieatus Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, Pinjar Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Wanneroo, Pinjar Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Wanneroo, Pinjar Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, Pinar Road area	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, Pederick Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, Pederick Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Wanneroo, Neaves Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Wanneroo, Neaves Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Wanneroo, near Neaves Road	50
		•		EN	2006 Certain	•		Wanneroo	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN			Survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Vines Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Vines Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1978 Certain	Survey	Day sighting	Twin Swamps Reserve	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Survey	Day sighting	Town Centre, Gingin, Gingin	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Silver Road, Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Silver Road, Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Silver Road, Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Silver Road, Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Silver Road, Near Neaves Road, Wanneroo	1000
	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	•			1000
Cacatuidae	• • • • • • • • • • • • • • • • • • • •	•				Survey	Secondary sign	Silver Road, Near Neaves Road, Wanneroo	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Silver Road, Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Monitoring	Secondary sign	Rosella Road, Wungong Catchment	1000

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Secondary sign	Rosella Road, Wungong Catchment	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Roost, Rosella Road, Wungong Catchment	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2009 Certain	Monitoring	Secondary sign	Reserve Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Pinjar, Flynn Dirve area, near Cecil Rd-Koala Rd	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Pinjar Road	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Pinjar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Pinjar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Pinjar Pinjar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Pinjar Pinjar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN	2006 Certain 2006 Certain	Survey	Day sighting	Pinjar Pinjar	500 500
Cacatuidae	Calyptorhynchus latirostris	•	EN	EN	2006 Certain	Survey	Day sighting	Pinjar Pinjar	500 500
Cacatuidae Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN EN	2008 Certain	Survey Survey	Day sighting	Pinjar	500 500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Day sighting Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Perry Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Pearce Aerodrome	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1978 Certain	Survey	Day sighting	Pearce	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Monitoring	Secondary sign	Near Rosella Road, Wungong Catchment	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Near Neaves Road, Wanneroo	1000
Cacatuidae		Carnaby's cockatoo		EN	2008 Certain	•		Near Neaves Road, Wanneroo	1000
	Calyptorhynchus latirostris	•	EN			Monitoring	Secondary sign	,	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Neaves Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook Near Maralla Road, Ellen Brook	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Maralla Road, Ellen Brook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Near Brand Hwy, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	N end of Lake Joondalup	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	, Monitoring	Secondary sign	Muchea, Brand Highway	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Muchea, Airfield Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Muchea, Airfield Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Muchea South Road, Muchea	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	•		Muchea	500
	• • • • •	•		EN		Survey	Day sighting	Muchea	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN		2002 Certain	Survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Secondary sign	Meadowlands Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Secondary sign	Meadowlands Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Martyn Reserve, Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Martyn Reserve, Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Mariginup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Mariginup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Mariginup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Mariginup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Mariginup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Mariginiup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Mariginiup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Mariginiup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Mariginiup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting Day sighting	Mariginiup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting Day sighting	Lower Chittering	500
	• • • •	•		EN	2003 Certain	·		Lower Chittering Lower Chittering	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN			Survey	Day sighting	•	500 500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002 Certain	Survey	Day sighting	Lower Chittering	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Lexia	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	Lake Joondalup	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	Lake Jandabyte	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	Lake Jandabyte	50

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Lake Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Lake Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	•		Lake Jandabup	500
		•				Survey	Day sighting	•	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Lake Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Junction Old Yanchep Rd and Neaves Rd	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Junction Old Yanchep Rd and Neaves Rd	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1978 Certain	Survey	Day sighting	Jandabup	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Secondary sign	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	•		Horton Street, Muchea	1000
	**	•				Survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Secondary sign	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Secondary sign	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Horton Street, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	•		Great Northern Hwy, Chittering	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Great Northern Hwy, Chittering	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Great Northern Hwy, Bullsbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Great Northern Hwy, Bullsbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Golf Course, Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Gnangara Road	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara pine Plantation, Gnangara	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara pine Plantation, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara pine Plantation, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara pine Plantation, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Gnangara pine Plantation, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Gnangara Pine Plantation	500
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara Pine Plantation	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara Pine Plantation	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gnangara Pine Plantation	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006 Certain	Survey	Day sighting	Gnangara Pine Plantation	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
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Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey		Gnangara	1000
	• • • •	•		LIN		•	Day sighting	_	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	ΕIN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000

Cacatuidae	Caluntarhunchus latirastris	Carnabu's caskataa	ENI	EN	2010 Certain	Curvoy	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN		Survey	Day sighting	Gnangara	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	•		Gnangara	1000
	••	•				Survey	Day sighting	_	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Gnangara	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2010 Certain	Survey	Day sighting	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gingin Brook Road, Gingin	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Gingin Brook Road, Gingin	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Flynn Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Flynn Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Flynn Road, Wanneroo	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Flynn Road, Wanneroo	1000
		•				•		Ellenbrook	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign		1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
	Calyptorhynchus latirostris	•		EN	2008 Certain	_	Secondary sign	Ellenbrook	
Cacatuidae	••	Carnaby's cockatoo	EN			Monitoring	, ,		1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Ellenbrook	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting Day sighting	Ellenbrook	500
		Carnaby's cockatoo	EN	EN	2004 Certain	•		Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	•				Survey	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001 Certain	Survey	Day sighting	Ellenbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Cutler Road, Yanchep	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Cutler Road, Yanchep	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Cutler Road, Yanchep	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Carramar	500

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Carramar	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003 Certain	Survey	Day sighting	Carabooda	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005 Certain	Survey	Day sighting Day sighting	Bullsbrook	500
	• • • •	•				•			
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Bullsbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Bullsbrook	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Brigadoon	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Brigadoon	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Survey	Day sighting	Brand Hwy, Near Gingin	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Brand Hwy, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Brand Hwy, Muchea	1000
	**	•				•	, •	••	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Brand Hwy, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Brand Hwy, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2007 Certain	Survey	Day sighting	Brand Hwy, Gingin	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1924 Certain	Historical (written)	Day sighting	Between Lake Pinjar and Yanchep	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey		Belhus	500
	**	•				•	Day sighting		
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting Day sighting	Belhus	500
	**	•				•			
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Belhus	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004 Certain	Survey	Day sighting	Banksia Grove	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Archibald Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Airfield Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008 Certain	Monitoring	Secondary sign	Airfield Road, Muchea	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	8 km W Lake Jandabyte	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	6 km W Lake Jandabyte	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1961 Certain	Historical (written)	Day sighting Day sighting	3 miles S of Bullsbrook	500
		•				, ,			
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1962 Certain	Historical (written)	Day sighting	2 miles N of Upper Swan	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1977 Certain	Survey	Day sighting	2 km W Lake Jandabyte	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	EPP173	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain		sighting	Bullsbrook college bushland	200
		•		EN	2017 Certain			•	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN				sighting	Bullsbrook college bushland	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017 Certain		sighting	Bullsbrook college bushland	200
							5.66	south and eastern sections of area bordered by Nisa,	
								Cypress and Perry Roads, Pinjar, below the Pinjar	
Caratuidaa	California de la latina atria	Campala la castrata	- FAI	ENI	2014 Mandamatak anantah	C	Davidalitia		4000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Power Station/Water Plant	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Near Pinjar Power Station	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Neerabup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	at the Pinjar Power Station	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Wanneroo Golf Course, Old Yanchep Road, Pinjar	1000
	,	,			,	• •	,	Capron-Maringup-Garden Park Drive-Dundebar Road-	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Franklin Road (possible roost)	1000
Cacatuluae	Calyptornylichus latilostris	Carriaby S cockatoo	LIN	LIN	2014 Moderately Certain	Community survey	Day signting		1000
						_		526 Neaves Road (HF23) and 87 Conductor Retreat	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	(WS07)	1000
								526 Neaves Road (HF23) and 87 Conductor Retreat	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	(WS07)	1000
	•	•			•	•	•	Between Galah & Krake Rd east of Mulga - new	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	loaction NE of Silver & Warbrook Roads	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting Day sighting	In pine stand to west of Drumpellier Drive	1000
Cacataluae	Cary profity fictios facilioscitis	Carriaby 3 Cockatoo	LIN	LIN	2017 Moderately Certain	Community survey	Day signifing	in pine stand to west of Drampellier Drive	1000

								Jess/Smith Rd Bullsbrook - reported 2012 as between Kingsford Place and Jess Road on the bridle trail (see	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	comments)	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	west of boundary road, in lots norths of Facey Road	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	Timely Hostess Mews 526 Neaves Road (HF23) and 87 Conductor Retreat	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	(WS07)	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	at the Pinjar Power Station S & E areas, Nisa, Cypress and Perry Rds, below the	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	Pinjar Power Station/Water Plant	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	Neerabup	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Community survey	Day sighting	Near Pinjar Power Station	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Salmon Gum Cr, tree hollow CHIT Rise 159 GG Great Northern Hwy, tree hollow DONCHIT Great	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Moderately certain	Community survey	Day sighting	Northern Hwy	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Certain	Opportunistic sighting	Secondary sign	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Certain	Opportunistic sighting	Night sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2014 Certain	Opportunistic sighting	Night sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Opportunistic sighting	Day sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Opportunistic sighting	Night sighting	Lot 221 Ghost Gum Ridge, Chittering Rise WA 6084	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Drumpellier Drive, Lexia. Pine on E & W sides of road	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	PP on Knight Rd, Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Private properties west of Steel Rd roost S end of Gnangara SF, pine block E of Steel Rd,	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Gnangara	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Gnangara SF, pine block E of Turkey Rd. South end	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	N end of Gnangara SF, pine block E of Steel Rd	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Gnangara SF surrounding Steel Rd roost Pinjar Motorcycle Area, Gnangara-Moore River SF, b/w	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Orchid & Henderson Rds. Pinjar Motorcycle Area, Gnangara-Moore River SF, W o	1000 f
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Very Certain (photo, s	pec Regular monitoring	Remote sensing	Orchid Rd.	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Certain	Monitoring	Remote sensing	pine block east of Steel Rd	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2016 Certain	Survey	Remote sensing	Facey Road	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain	Monitoring	Sighting	Silver Rd pine plantation	50
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain	Monitoring	Sighting	Gnangara pines, Chapman Rd 2018 site code WANMARR006; Neaves Rd and Via Vista	50 a
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain	Community survey	Sighting	Road, Mariginiup. 2018 site code WANNOWR003; North of Wattle	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2018 Certain	Community survey	Sighting	Avenue East 2018 site code WANNOWR004; Old Yanchep-Pinjar	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2019 Certain	Community survey	Sighting	Road (South of Wescoe)	1000

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1997 Certain	Monitoring	Secondary sign	4km NE of the townsite	50
								50m west of the corner of Muchea East Road and	
								McGlew Street Lower Chittering on the shoulder of th	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2020 Very Certain (photo, s		Taken into care	road	1000
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2015 Certain	Survey	Sighting	Chittering, Wilson	100
Cacatuidae Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN EN	EN EN	2016 Certain 2000	Survey	Caught or trapped	Lexia 86 Devon Way, Chittering Valley	3000 100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Devon Way, Chittering Valley Devon Way, Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Devon Way, Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Devon Way, Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Barracca Nature Reserve	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Burns Beach Road, Joondalup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2012			Breera Road1010	0
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Lake Chandala	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN EN	EN EN	2001 2002			Lot 129 Devon Way, via Bullsbrook Lot 129 Devon Way, via Bullsbrook	100 100
Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Lake Jandabup	500
Cacatuldae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003			Chequers Golf Club North	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Chequers Golf Club North	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Chequers Golf Club North	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Chequers Golf Club North	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Jess Road Bushland	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park Viridian Park	100
Cacatuidae Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN EN	EN EN	2005 2005			Pinjar Park	100 100
Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Viridian Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006			Viridian Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006			Pinjar Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Viridian Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Lake Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Lake Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2001			Lake Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN EN	EN EN	2002 2002			Lake Jandabup Hawkins Road	100 100
Cacatuidae Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN EN	2002			Hawkins Road Hopkins Road Bushland	500
Cacatuidae	Calyptorhynchus latirostris Calyptorhynchus latirostris	Carnaby's cockatoo Carnaby's cockatoo	EN	EN	2002			Jandabup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Jandabup Lake	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Hawkins Rd, Jandabup	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Jandabup lake	100
Cacatuidae	Calyptorhynchus latirostris	, Carnaby's cockatoo	EN	EN	2003			Hawkins Rd, Jandabup	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003			Hopkins Road	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003			Jandabup Lake	0
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003			Jandabup Lake	100

Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2002			Neerabup	0
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2003			Barbagallo Raceway	500
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
	• • •	-		EN					
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN		1999			Lake Chandala Nature Reserve	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
		•							
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			PINJAR	100
		•	EN	EN	2004			loppolo Rd NR	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo						• •	
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2004			Neaves Rd NR & Bush Forever site	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2005			Burley Park	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006			Wise Rd, Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006			Warbrook Rd	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2006			Gnangara Hill	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008			Jandabup Lake southeast	0
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2008			Jandabup Lake Northwest	0
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2011			Jandabup Lake southeast	0
		•	EN					•	_
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	LIN	EN	2012			Breera Road1010	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	1999			Devon Way, Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Devon Way, Chittering Valley	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2000			Lot 129 Devon Way, via Bullsbrook	100
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017	Survey		Calyptorhynchus latirostris 15/11/2017	200
Cacatuidae	Calyptorhynchus latirostris	Carnaby's cockatoo	EN	EN	2017	Survey		Calyptorhynchus latirostris 25/10/2017	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		1996 Certain	Survey	Day sighting	Barracca Nature Reserve	1000
		white-tailed black cockatoo			2005 Certain	•		Pinjar Park, just north of Pederick Rd, Wanneroo	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	Willte-tailed black cockatoo	EN		2005 Certain	Community survey	Day sighting		
								Lot 403 Dampiera Court Chittering WA 680420km nor	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2013 Moderately certain	Survey	Day sighting	of Bullsbrook	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	Community survey	Dusk sighting	SWABULR002	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	Community survey	Dusk sighting	SWABULR003	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	Community survey	Dusk sighting	SWAELLR001	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	Community survey	Dusk sighting	WANGNAR001	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	Community survey	Dusk sighting	WANMARR003	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2016 Moderately certain	, , ,		WANPINR001	1000
Cacatuluae	Calyptornylicitus sp. white-tailed black cockatoo	Willte-tailed black cockatoo	EIN		2016 Moderately Certain	Community survey	Dusk sighting	WANFIIIROOI	1000
Casatuidas	Calumtaribus and bulkita tailed block applicated	white tailed block contains	- FN		2017 Madayataly saytain	Companyaity	Ciabtina	at the Diniar Dower Station Site Code: WANDINDOOL	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	at the Pinjar Power Station. Site Code: WANPINR001	1000
								Gironde Rd between Dollar and Silver Rd Gnangara	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	Pine Plantation. Site Code: WANGNAR001	1000
								west of boundary road, in lots norths of Facey Road.	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	Site Code: WANGNAR005	1000
	, , ,				•	, ,		Neaves Rd - GPS point about 300m east of Dempster	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	Rd junction. Site Code: WANMARR004	1000
Cacatuluae	caryptornylicitus sp. white-tailed black cockatoo	Willte-tailed black cockatoo	LIN		2017 Woderately Certain	Community survey	Signting	•	1000
								526 Neaves Road (HF23) and 87 Conductor Retreat	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	(WS07). Site Code: WANMARR003	1000
								Timely Hostess Mews - Google maps to no.31. Site	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	Code: WANMARR001	1000
					•	, ,	5 0	bush behind 36 Rosella Way, Lower Chittering. Site	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	Code: SWABULR004	1000
Sacatalade	23.7 pto	The tarea black cockatoo	LIV		2017 Moderatory Certain	Sommanity Survey	b	Between Galah & Krake Rd east of Mulga - new	_000
								_	
Const. 11	Call make desirable and 1 1 19 of 11 11 11 11 11 11 11 11	and the second of the second o			2047 *** !	O	Ct. Lat.	loaction NE of Silver & Warbrook Roads. Site Code:	4000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2017 Moderately certain	Community survey	Sighting	SWAMELR001	1000

								Garden Park Drive-Dundebar Road-Franklin Road	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	(possible roost) 2018 site code SWABULR004; bush behind 36 Rosella	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	Way, Lower Chittering 2018 site code SWABULR003; 1983 Maralla Rd on	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	google maps 2018 site code SWAELLROO1; In pine stand to west of	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	Drumpellier Drive	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	2018 site code SWABULR002; Jess/Smith Rd Bullsbrook	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	2018 site code WANMARR005; Silver Road Mariginiup.	1000
								2018 site code SWAMELR001; Between Galah & Krake Rd east of Mulga - new loaction NE of Silver &	
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	white-tailed black cockatoo	EN		2018 Certain	Community survey	Sighting	Warbrook Roads. Needs 4WD	1000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	EN	EN	1981		0.88	MELALEUCA	18000
		White-tailed black cockatoo	EN	EN	1978			MELALEUCA	18000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'								
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	EN	EN	1978			LOWER CHITTERING	18000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	EN	EN	1999			Great Northern Hwy	100
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	EN	EN	1977			LOWER CHITTERING	18000
Cacatuidae	Calyptorhynchus sp. 'white-tailed black cockatoo'	White-tailed black cockatoo	EN	EN	1980			LOWER CHITTERING	18000
Scincidae	Ctenotus gemmula (Swan Coastal Plain pc (Swan Coastal	l jewelled southwest Ctenotus (SCPpopn)	Р3		1999 Certain	Survey	Caught or trapped	Maralla Road Bushland. Trap line 3	1000
Scincidae	Ctenotus gemmula (Swan Coastal Plain pc (Swan Coastal	l iewelled southwest Ctenotus (SCPpopn)	Р3		1999 Certain	Survey	Caught or trapped	Maralla Road Bushland. Trap line 4	1000
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	2002 Certain	Survey	Caught or trapped	Edge of Ellenbrook Estate	1000
Dasyuridae	Dasyurus geoffroii	Western quoli	VU	VU	2002 Not sure	Opportunistic sighting	Secondary sign	Lot 24 Strachan Rd, Bullsbrook	500
Dasyundae	Dasydius geofficii	Western quoii	VO	VO	2002 NOT Sure	Opportunistic signting	Secondary sign	Lot 24 Strachan Na, Ballsbrook	300
								Abandoned limestone quarry (Dunstan's Lime Kiln	
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	0 Certain	Historical (written)	Fossil	Quarries) located 9 miles (=14.4 km) N of Wanneroo.	10000
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	2006 Certain	Opportunistic sighting	Day sighting	Lot2856 Warbrook Rd, Bullsbrook	500
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	2006 Certain	Community survey	Night sighting	Walyunga National Park	500
								Gnangara pine plantation, south side of Trainor Rd, log	
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	2010 Certain	Opportunistic sighting	Day sighting	pile is between Barlow and Euro Rd	1000
Dasyuridae	Dasyurus geoffroii	Western quoll	VU	VU	2016 Certain	Survey	Caught or trapped	9 Ghost Gum Ridge	1000
Falconidae	Falco peregrinus	peregrine falcon	OS	••	2003 Certain	Survey	Caught or trapped	Pinjar Rd, between Neaves and Ziastis	1000
						•			
Falconidae	Falco peregrinus	Peregrine falcon	OS		2010 Certain	Survey	Unknown	Swan Coastal Plain, Chandala	10000
Falconidae	Falco peregrinus	Peregrine falcon	OS		2004			Bullsbrook NR	500
Falconidae	Falco peregrinus	Peregrine falcon	OS		2005			PINJAR	100
Falconidae	Falco peregrinus	Peregrine falcon	OS		1980			LOWER CHITTERING	18000
Glareolidae	Glareola maldivarum	Oriental pratincole	MI	MI	1981			MELALEUCA	18000
Muridae	Hydromys chrysogaster	Water-rat, rakali	P4		2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		1989 Certain	Opportunistic cighting	Sighting	Ellenbrook, east of the Gnangarra Pine Plantation.	1000
						Opportunistic sighting	Sighting	•	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Opportunistic sighting	Day sighting	Wanneroo Golf Club, Flynn Drive, Wanneroo	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Moderately certain	Opportunistic sighting	Secondary sign	Pinjar Park, Pinjar Rd (11598) (Site Number 58)	500
								Abandoned limestone quarry (Dunstan's Lime Kiln	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		0 Certain	Historical (written)	Fossil	Quarries) located 9 miles (=14.4 km) N of Wanneroo.	10000
	Isoodon fusciventer				2001 Certain	· ·			
Peramelidae		Southwestern brown bandicoot	P4			Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2001 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
					2003 Certain	•	•	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4			Survey	Caught or trapped		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
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2018 site code WANMARR002; Capron-Maringup-

Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2003 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2004 Certain	Survey	Caught or trapped	Ellen Brook Reserve, Maralla Rd bushland	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	1984 Moderately certain	Opportunistic sighting	Secondary sign	Walyunga NP, north of Walyunga Rd (Site J)	500
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2006 Certain	Survey	Secondary sign	Site 4	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2006 Certain	Survey	Secondary sign	Site 5	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2006 Certain	Survey	Caught or trapped	Ellenbrook-for everlasting concepts	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007 Certain	Survey	Caught or trapped	Site 1 Old West Rd	500
refamendae	1500doff fusciveficef	Southwestern brown bandicoot	F4	2007 Certain	Survey	Caught of trapped	Site I Old West Nu	300
							Lot 209 Great Northern Highway Muchea, 2km north o	f
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Opportunistic sighting	Day sighting	the Brand Hwy and Great Northern Hwy intersection	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain 2013 Moderately certain	Opportunistic sighting		96 Bordeaux lane, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4	•		Day sighting	Duvall Parkway, Aveley	1000
				2013 Moderately certain	Opportunistic sighting	Night sighting	• • • • • • • • • • • • • • • • • • • •	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2013 Moderately certain	Survey	Caught or trapped	285 Hawkins Road, Jandabup	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Moderately certain	Community survey	Night sighting	4 Barbera Lane, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Day sighting	77 Tattinger Grove	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Day sighting	220 Almeria Parade	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Day sighting	31 Vintage Lane	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Dead	In reserve between Kimberly St & North Ave	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Community survey	Day sighting	11 Convallis Vista, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Dead	Vines Avenue, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2017 Certain		motion camera	Bullsbrook college bushland	200
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Day sighting	In the scrub north of 17 Vintage Lane, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Moderately certain	Community survey	Dead	7 Convallis Vista, The Vines	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Not sure	Opportunistic sighting	Day sighting	Flynn Drive, Carramar	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Moderately certain	Opportunistic sighting	Day sighting	33 Knight Rd, Gnangara	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2013 Moderately certain	Community survey	Day sighting	17 Vintage Lane	Not defined
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2013 Moderately certain	Community survey	Day sighting	11 Convalis Vista	Not defined
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2013 Moderately certain	Community survey	Day sighting	11 Convalis Vista	Not defined
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Moderately certain	Community survey	Day sighting	33 Knight Road	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Moderately certain	Community survey	Day sighting	17 Vintage Lane	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Moderately certain	Community survey	Day sighting	11 Convalis Vista	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2016 Moderately certain	Opportunistic sighting	Day sighting	143 Taylor Rd, Bullsbrook	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2017 Not sure	Opportunistic sighting	Sighting	Kings Park above Mounts Bay Road	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	1930 Certain	Survey	Caught or trapped		10000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	1965 Certain	Survey	Caught or trapped		10000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	1953 Certain	Survey	Caught or trapped		10000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2018 Very Certain (photo, sp	ec Survey	Secondary sign		1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	1990 Certain	Opportunistic sighting	Sighting		1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2019 Certain	Opportunistic sighting	Sighting	38 Caporn Street	50
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2010 Certain	Survey	Unknown	Ellenbrook, Vale Wetlands	0
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2020 Very Certain (photo, sp	ec Opportunistic sighting	Sighting	Bowman Street	1000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
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	Isoodon fusciventer	Southwestern brown handisest	P4	2011 Certain	Survoy	Unknown	AverloyPorth NorthWestWetland	100
Peramelidae		Southwestern brown bandicoot			Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
					•		•	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011 Certain	Survey	Unknown	AverleyPerth, NorthWestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Survey	Unknown	Aveley, NorthwestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Survey	Unknown	Aveley, NorthwestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Survey	Unknown	Aveley, NorthwestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2012 Certain	Survey	Unknown	Aveley, NorthwestWetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
					•			
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Maralla, TS6	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	MarallaRdReserve,	3000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Aveley, NorthWest Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Aveley, NorthWest Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Aveley, NorthWest Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2014 Certain	Survey	Unknown	Aveley, NorthWest Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2015 Certain	Survey	Unknown	Aveley, North-West Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2015 Certain	Survey	Unknown	Aveley, North-West Wetland	100
					•			
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2015 Certain	Survey	Unknown	Aveley, North-West Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2015 Certain	Survey	Unknown	Aveley, North-West Wetland	100
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2016 Not Sure	Survey	Caught or trapped	Roe Highway widening	25000
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2010				30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2010				30
Peramelidae								
i cramenaac	Isoodon fusciventer	Southwestern brown bandicoot	P4	2010				30
	Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot Southwestern brown bandicoot	P4 P4					30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot		2010				30
Peramelidae Peramelidae	Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot Southwestern brown bandicoot	P4 P4	2010 2010				30 30
Peramelidae Peramelidae Peramelidae	Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot	P4 P4 P4	2010 2010 2010				30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot	P4 P4 P4 P4	2010 2010 2010 2010				30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot Southwestern brown bandicoot	P4 P4 P4	2010 2010 2010 2010 2010				30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010				30 30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010				30 30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30
Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P4 P4 P4 P4 P4 P4 P4 P4	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011				30 30 30 30 30 30 30 30 30 30 30 30 30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011 2011				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011 2011 2011				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011 2011 2011 2011				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011 2011 2011 2011 2011 2011				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2010 2011 2011 2011 2011 2011 2011				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010				30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey		1779GΔΔ	30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey		1779GAA	30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey		1790GAA	30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey Survey		1790GAA 1791GAA	30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey Survey Survey		1790GAA 1791GAA 1797GAA	30 30 30 30 30 30 30 30 30 30 30 30 30 3
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4 P	2010 2010 2010 2010 2010 2010 2010 2010	Survey Survey		1790GAA 1791GAA	30 30 30 30 30 30 30 30 30 30 30 30 30 3

Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1799GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1804GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1805GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1807GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1808GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1809GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1810GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1811GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1812GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1813GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1815GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1816GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1817GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1818GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1819GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2008	Survey	1820GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	1918GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2202GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2203GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2207GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2208GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2209GAA	30
					•		
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2211GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2212GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2213GAA	30
			P4		•		30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot		2011	Survey	2214GAA	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2215GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2217GAA	30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2218GAA	30
					•		30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2011	Survey	2219GAA	
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4	2007			30
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Damana diala a	land day front and a	Cauthornataus buscous bandias at	D.4		2017	Secretaria		landar abasilia subas fusivantaril 125/44/2047	200
Peramelidae	Isoodon fusciventer	Southwestern brown bandicoot	P4		2017	Survey		Isoodon obesulus subsp. fusciventer 25/11/2017	200
Ardeidae	Ixobrychus dubius	Australian little bittern	P4		1986 Certain		Day sighting	Jandabup Lake, Wanneroo	1000
Ardeidae	Ixobrychus dubius	Australian little bittern	P4		1983 Certain		Day sighting	Jandabup Lake	1000
Scolopacidae	Limosa lapponica	Bar-tailed godwit	MI	MI	1978			MELALEUCA	18000
Scolopacidae	Limosa lapponica	Bar-tailed godwit	MI	MI	1980			MELALEUCA	18000
Peramelidae	Macrotis lagotis	bilby, dalgyte, ninu	VU	VU	1974 Certain	Survey	Caught or trapped		10000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2006 Certain	Survey	Caught or trapped	Ellenbrook-for everlasting concepts Pitfall 3	1000
Liapiaac	rectaps carefred	Static Striped Strake	. 5		2000 Certain	<i>54.12</i> ,	caag or trapped		2000
Flanidae	Neclars salenotes	Black-striped Snake	פח		1999 Certain	Survoy	Caught or transed	Nature Reserve 46919 South of Maralla Rd Ellenbrook.	1000
Elapidae	Neelaps calonotos	•	P3			Survey	Caught or trapped		
Elapidae	Neelaps calonotos	Black-striped Snake	P3		2000 Certain	Survey	Caught or trapped	Ellenbrook	10000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		1999 Certain	Survey	Caught or trapped	Muchea	10000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		1960 Certain	Survey	Caught or trapped	Pearce Aerodrome, Bullsbrook	1000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		1978 Certain	Survey	Caught or trapped	Melaleuca Park	1000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2003 Certain	Survey	Caught or trapped	Muchea Air Weapons Range	1000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		1976 Certain	Survey	Caught or trapped	Melaleuca Park, 8km ENE of Wanneroo	1000
Elapidae	Neelaps calonotos	Black-striped Snake	P3		2003 Certain	Survey	Caught or trapped	Muchea Air Weapons Range	1000
Elapidae	Neelaps calonotos	Black-striped Snake	P3		1999 Certain	Survey	Caught or trapped	Maralla Road Bushland. Trap line 3	1000
	•	•	P3		1999 Certain	•		•	1000
Elapidae	Neelaps calonotos	Black-striped Snake				Survey	Caught or trapped	Maralla Road Bushland. Trap line 4	
Elapidae	Neelaps calonotos	Black-striped Snake	P3		1999 Certain	Survey	Caught or trapped	Maralla Road Bushland. Trap line 5	1000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2017 Certain		pit trap	Lake Jandabup	1000
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2011	Survey		1920GAA	30
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2007	Survey		4009GAA	30
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2009	Survey		5400GAA	30
Elapidae	Neelaps calonotos	Black-striped Snake	Р3		2009	Survey		5401GAA	30
1	Neelaps calonotos	Black-striped Snake	P3		2009	Survey		5402GAA	30
Elapidae			. 5			·		5403GAA	30
Elapidae Elapidae	•	Rlack-striped Snake	Þ2		2009	SHINAN			
Elapidae	Neelaps calonotos	Black-striped Snake	P3		2009	Survey			
Elapidae Elapidae	Neelaps calonotos Neelaps calonotos	Black-striped Snake	Р3		2009	Survey		5417GAA	30
Elapidae	Neelaps calonotos	•				•			

Elapidae	Neelaps calonotos		Black-striped Snake	Р3		2009	Survey		5513GAA	30
Elapidae	Neelaps calonotos		Black-striped Snake	Р3		2012	Monitoring		5928GAA	30
Elapidae	Neelaps calonotos		Black-striped Snake	Р3		2017	Survey		Neelaps calonotos 25/10/2017	1000
Macropodidae	Notamacropus irma		western brush wallaby	P4		1996 Certain	Survey	Night sighting	Lexia Wetlands, 1 km S of Maralla Rd.	1000
Macropodidae	Notamacropus irma		western brush wallaby	P4		2003 Certain	Opportunistic sighting	Day sighting	240 Flynn Dr and 34 Mather Dr (Site Number 52)	500
Macropodidae	Notamacropus irma		western brush wallaby	P4		2006 Certain	Survey	Day sighting	Site 4	1000
Macropodidae	Notamacropus irma		western brush wallaby	P4		1969 Certain	Survey	Caught or trapped		10000
Anatidae	Oxyura australis		Blue-billed duck	P4		1981			MELALEUCA	18000
Anatidae	Oxyura australis		Blue-billed duck	P4		1978			MELALEUCA	18000
Anatidae	Oxyura australis		Blue-billed duck	P4		1992				30
Anatidae	Oxyura australis		Blue-billed duck	P4		1992				30
									Abandoned limestone quarry (Dunstan's Lime Kiln	
Macropodidae	Petrogale lateralis lateralis	lateralis	Black-flanked Rock-wallaby	EN	EN	0 Certain	Historical (written)	Fossil	Quarries) located 9 miles (=14.4 km) N of Wanneroo.	10000
•	e Plegadis falcinellus	iaccians	Glossy ibis	MI	MI	2001	mstoriear (written)	1 03311	Lake Jandabup	100
	e Plegadis falcinellus		Glossy ibis	MI	MI	2000			Jandabup Lake Nature Reserve	500
	e Plegadis falcinellus		Glossy ibis	MI	MI	2002			Lake Jandabup	100
	e Plegadis falcinellus		Glossy ibis	MI	MI	1979			MELALEUCA	18000
	e Plegadis falcinellus		Glossy ibis	MI	MI	2000			Jandabup Lake Nature Reserve	500
	_		•		MI	1978			MELALEUCA	18000
Charadriidae	Pluvialis squatarola		Grey plover	MI	IVII	1978				18000
Clarativitata a	Daniela maredona construira a			CD	CD	1052 Cartain	C	Carrelet an transport	Warbrook, crossing road in sub-swampy country	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1953 Certain	Survey	Caught or trapped	between railway line and Great Northern Hwy	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1963 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1964 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1965 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1966 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1967 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1968 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1969 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1970 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1970 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1971 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1972 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1973 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1974 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1975 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1976 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1977 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1978 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1979 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1980 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1981 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1982 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1983 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1984 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1985 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1990 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1992 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		· ·	CD	CR	1994 Certain	•	Caught or trapped	Twin Swamps Nature Reserve	1000
	•		western swamp tortoise	CD			Survey	•	•	
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1995 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CK	CR	1996 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1997 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1998 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1999 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	2000 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	2001 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	2002 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	2003 Certain	Survey	Caught or trapped	Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	2003 Certain	Survey	Caught or trapped	Dam of NE-swamp at Twin Swamps NR	1000
									Warbrook, between railway line and Great Northern	
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1954 Certain	Survey	Caught or trapped	Highway	1000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1953 Certain	Historical (written)	Caught or trapped	Potato farm 30 km North of Perth	10000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1995 Certain	Opportunistic sighting	Caught or trapped	Property west of NR	10000
Cheluidae	Pseudemydura umbrina		western swamp tortoise	CR	CR	1994 Certain	Opportunistic sighting	Sighting	93 Ellenbrook Road, Bullsbrook	1000

Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	2019 Not sure	Opportunistic sighting	Sighting	one of the sewerage ponds located at the base	50
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1967 Certain	Opportunistic sighting	Sighting	West of Ellen Brook Nature Reserve	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1965 Certain	Opportunistic sighting	Sighting	West of Ellen Brook Nature Reserve	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1963 Certain	Opportunistic sighting	Caught or trapped	On bitumen road adjacent to Lot 9	500
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1962 Certain	Opportunistic sighting	Caught or trapped	Backyard of Lot 9	500
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1963 Certain	Opportunistic sighting	Caught or trapped	Road way fronting the Research Station Crossing Ellen Brook Road 0.7km south of Warbrook	500
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1978 Certain	Opportunistic sighting	Taken into care	Road Railway Road 300-500 south of railway/Warbrook Road	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1982 Certain	Opportunistic sighting	Taken into care	crossing	u 1000
Cheluluae	r seddeniyddia dilibillia	western swamp tortoise	CK	CK	1902 Certain	Opportunistic signifing	raken into care	Crossing	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1990 Certain	Opportunistic sighting	Caught or trapped	Private property in clay pan about 1km east of TSNR	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1990 Certain	Opportunistic sighting	Caught or trapped	Private property in clay pan about 1km east of TSNR	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1994 Certain	Opportunistic sighting	Dead	Edge of clay pan about 1km east of TSNR	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1994 Certain	Opportunistic sighting	Caught or trapped	1km east of Twin Swamps Nature Reserve	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1994 Certain	Opportunistic sighting	Sighting	Sproxton clay plan about 1km east of TSNR	1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1962 Certain	Opportunistic sighting	Sighting		1000
Cheluidae	Pseudemydura umbrina	western swamp tortoise	CR	CR	1963 Certain	Opportunistic sighting	Dead	West of TSNR	1000
Rostratulidae	Rostratula australis	Australian painted snipe	EN	EN	2012 Certain		Day sighting	in reeds at the RAAF Base Pearce, Bullsbrook	1000
Laridae	Thalasseus bergii	Crested tern	MI	MI	1978			MELALEUCA	18000
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	1981			MELALEUCA	18000
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Lake Jandabup	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	2002			Lake Jandabup	100
Scolopacidae	Tringa glareola	Wood sandpiper	MI	MI	1992				30
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Lake Jandabup	100
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	1981			MELALEUCA	18000
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Lake Jandabup	100
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Lake Jandabup	100
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Lake Jandabup	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2001			Jandabup Lake Nature Reserve	500
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	1978			MELALEUCA	18000
Scolopacidae	Tringa nebularia	Common greenshank	MI	MI	2008			Jandabup Lake southeast	0
·	_	_	MI	MI	2010			·	0
Scolopacidae	Tringa nebularia	Common greenshank		MI	2010			Jandabup Lake southeast Jandabup Lake southeast	0
Scolopacidae Scolopacidae	Tringa nebularia	Common greenshank	MI MI	MI	1991			Januabup Lake Southeast	0 30
Scolopacidae Scolopacidae	Tringa stagnatilis	Common greenshank		MI	2001			Jandabup Lake Nature Reserve	
Scolopacidae Scolopacidae	Tringa stagnatilis	Marsh sandpiper Marsh sandpiper	MI	MI	2011			Jandabup Lake Nature Reserve Jandabup Lake southeast	500 0
Scolopacidae	Tringa stagnatilis	ινιαι 311 3απαμηρεί	MI	IVII	2011			randabup take southeast	U

NatureMap Database

NatureMap Database							
TAXON	CLASS	CONS	KINGDOM	TAXON	CLASS	CONS	KINGDOM
Tachybaptus novaehollandiae subsp. novaehollandiae	BIRD		Animalia	Litoria adelaidensis	AMPHI		Animalia
Poliocephalus poliocephalus	BIRD		Animalia	Limnodynastes dorsalis	AMPHI		Animalia
Fulica atra subsp. australis	BIRD		Animalia	Litoria adelaidensis	AMPHI		Animalia
Cygnus atratus	BIRD		Animalia	Limnodynastes dorsalis	AMPHI		Animalia
Tachybaptus novaehollandiae subsp. novaehollandiae	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Biziura lobata	BIRD		Animalia	Ctenotus fallens	REPTILE		Animalia
Anas superciliosa	BIRD		Animalia	Lialis burtonis	REPTILE		Animalia
Fulica atra subsp. australis	BIRD		Animalia	Echiopsis curta	REPTILE		Animalia
Charadrius ruficapillus	BIRD		Animalia	Brachyurophis semifasciatus	REPTILE		Animalia
Tadorna tadornoides	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Ardea alba subsp. modesta	BIRD		Animalia	Limnodynastes dorsalis	AMPHI		Animalia
Anas superciliosa	BIRD		Animalia	Brachyurophis semifasciatus	REPTILE		Animalia
Phalacrocorax melanoleucos	BIRD		Animalia	Strophurus spinigerus subsp. spinigerus	REPTILE	D2	Animalia
Cygnus atratus	BIRD		Animalia	Neelaps calonotos	REPTILE REPTILE	P3	Animalia
Anas gracilis	BIRD		Animalia Animalia	Pseudonaja mengdeni			Animalia
Andea alba subsp. modesta	BIRD			Ramphotyphlops australis Ctenotus fallens	REPTILE REPTILE		Animalia
Anas superciliosa	BIRD		Animalia Animalia		REPTILE		Animalia Animalia
Anas rhynchotis	BIRD		Animalia	Menetia greyii Ctenotus fallens	REPTILE		Animalia
Anas gracilis							
Anas superciliosa Platalea flavipes	BIRD	-	Animalia Animalia	Lerista elegans Aprasia repens	REPTILE REPTILE		Animalia Animalia
Himantopus himantopus	BIRD	-	Animalia	Lerista elegans	REPTILE		Animalia
Anas gracilis	BIRD		Animalia	Strophurus spinigerus subsp. spinigerus	REPTILE		Animalia
Ardea novaehollandiae	BIRD	-	Animalia	Underwoodisaurus milii	REPTILE		Animalia
Fulica atra subsp. australis	BIRD	-	Animalia	Neelaps calonotos	REPTILE	P3	Animalia
Poliocephalus poliocephalus	BIRD		Animalia	Limnodynastes dorsalis	AMPHI	гэ	Animalia
Tachybaptus novaehollandiae subsp. novaehollandiae	BIRD		Animalia	Lucasium alboguttatum	REPTILE		Animalia
Ardea novaehollandiae	BIRD		Animalia	Aprasia repens	REPTILE		Animalia
Anas superciliosa	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Fulica atra subsp. australis	BIRD		Animalia	Pseudemydura umbrina	REPTILE	CR	Animalia
Ardea novaehollandiae	BIRD		Animalia	Lerista praepedita	REPTILE	CIN	Animalia
Charadrius melanops	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Fulica atra subsp. australis	BIRD		Animalia	Menetia greyii	REPTILE		Animalia
Anas superciliosa	BIRD		Animalia	Lerista elegans	REPTILE		Animalia
Threskiornis molucca	BIRD		Animalia	Simoselaps bertholdi	REPTILE		Animalia
Gerygone fusca	BIRD		Animalia	Menetia greyii	REPTILE		Animalia
Corvus coronoides	BIRD		Animalia	Pletholax gracilis subsp. gracilis	REPTILE		Animalia
Malurus splendens	BIRD		Animalia	Heleioporus inornatus	AMPHI		Animalia
Cacomantis pallidus	BIRD		Animalia	Crinia insignifera	AMPHI		Animalia
Accipiter fasciatus	BIRD		Animalia	Lialis burtonis	REPTILE		Animalia
Smicrornis brevirostris	BIRD		Animalia	Crinia insignifera	AMPHI		Animalia
Todiramphus sanctus	BIRD		Animalia	Chelodina colliei	REPTILE		Animalia
Coracina novaehollandiae	BIRD		Animalia	Crinia insignifera	AMPHI		Animalia
Lichmera indistincta	BIRD		Animalia	Lialis burtonis	REPTILE		Animalia
Pardalotus striatus	BIRD		Animalia	Morethia lineoocellata	REPTILE		Animalia
Rhipidura albiscapa	BIRD		Animalia	Morethia obscura	REPTILE		Animalia
Threskiornis molucca	BIRD		Animalia	Aprasia repens	REPTILE		Animalia
Cacatua pastinator	BIRD		Animalia	Lerista elegans	REPTILE		Animalia
Pachycephala rufiventris	BIRD		Animalia	Cryptoblepharus buchananii	REPTILE		Animalia
Anthochaera carunculata	BIRD		Animalia	Lerista elegans	REPTILE		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Parasuta gouldii	REPTILE		Animalia
Corvus coronoides	BIRD		Animalia	Neelaps calonotos	REPTILE	Р3	Animalia
Falco longipennis	BIRD		Animalia	Pygopus lepidopodus	REPTILE		Animalia
Colluricincla harmonica	BIRD		Animalia	Delma fraseri	REPTILE		Animalia
Malurus splendens	BIRD		Animalia	Lerista elegans	REPTILE		Animalia
Hirundo neoxena	BIRD		Animalia	Brachyurophis fasciolatus subsp. fasciolatus	REPTILE		Animalia
Petrochelidon nigricans	BIRD		Animalia	Delma fraseri	REPTILE		Animalia
Sericornis frontalis	BIRD		Animalia	Underwoodisaurus milii	REPTILE		Animalia
Grallina cyanoleuca	BIRD		Animalia	Egernia napoleonis	REPTILE		Animalia
Pachycephala rufiventris	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Cacatua pastinator	BIRD		Animalia	Neobatrachus pelobatoides	AMPHI		Animalia
Gerygone fusca	BIRD		Animalia	Lerista elegans	REPTILE		Animalia
Calyptorhynchus banksii	BIRD		Animalia	Crinia insignifera	AMPHI		Animalia
Falco cenchroides	BIRD		Animalia	Aprasia repens	REPTILE		Animalia
Corvus coronoides	BIRD		Animalia	Delma grayii	REPTILE		Animalia
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Malurus nulcharrimus	BIRD		Animalia	Decudencia affinis subsp. affinis	DEDTILE	Animalia
Malurus pulcherrimus Rhipidura albiscapa	BIRD		Animalia Animalia	Pseudonaja affinis subsp. affinis Lerista praepedita	REPTILE REPTILE	Animalia
Streptopelia senegalensis	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE	Animalia
· · ·				·		
Phylidonyris novaehollandiae	BIRD		Animalia	Lerista praepedita	REPTILE	Animalia
Lichenostomus virescens	BIRD		Animalia	Ctenotus fallens	REPTILE	Animalia
Phylidonyris novaehollandiae	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Lichmera indistincta	BIRD		Animalia	Strophurus spinigerus subsp. spinigerus	REPTILE	Animalia
Lichenostomus virescens	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Anthochaera carunculata	BIRD		Animalia	Egernia napoleonis	REPTILE	Animalia
Cacatua galerita	BIRD		Animalia	Pygopus lepidopodus	REPTILE	Animalia
Malurus pulcherrimus	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Dacelo novaeguineae	BIRD		Animalia	Aprasia repens	REPTILE	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Crinia insignifera	AMPHI	Animalia
Rhipidura albiscapa	BIRD		Animalia	Heleioporus barycragus	AMPHI	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Delma fraseri	REPTILE	Animalia
Cacomantis flabelliformis	BIRD		Animalia	Ramphotyphlops australis	REPTILE	Animalia
Ocyphaps lophotes	BIRD		Animalia	Lerista praepedita	REPTILE	Animalia
Petroica boodang	BIRD		Animalia	Parasuta nigriceps	REPTILE	Animalia
Cacomantis pallidus	BIRD		Animalia	Pygopus lepidopodus	REPTILE	Animalia
Smicrornis brevirostris	BIRD		Animalia	Lerista elegans	REPTILE	Animalia
Coracina novaehollandiae	BIRD		Animalia	Echiopsis curta	REPTILE	Animalia
Podargus strigoides	BIRD		Animalia	Pogona minor subsp. minor	REPTILE	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Pygopus lepidopodus	REPTILE	Animalia
Rhipidura leucophrys	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Phylidonyris novaehollandiae	BIRD		Animalia	Neobatrachus pelobatoides	AMPHI	Animalia
Smicrornis brevirostris	BIRD		Animalia	Heleioporus eyrei	AMPHI	Animalia
Gerygone fusca	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE	Animalia
Hirundo neoxena	BIRD		Animalia	Morethia obscura	REPTILE	Animalia
Threskiornis molucca	BIRD		Animalia	Cryptoblepharus buchananii	REPTILE	Animalia
Chenonetta jubata	BIRD		Animalia	Crinia insignifera	AMPHI	Animalia
Grallina cyanoleuca	BIRD		Animalia	Elapognathus coronatus	REPTILE	Animalia
Malurus splendens	BIRD		Animalia	Menetia greyii	REPTILE	Animalia
Rhipidura albiscapa	BIRD		Animalia	Crinia insignifera	AMPHI	Animalia
Lichmera indistincta	BIRD		Animalia	Lerista elegans	REPTILE	Animalia
Pardalotus striatus	BIRD		Animalia	Simoselaps bertholdi	REPTILE	Animalia
Corvus coronoides	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Eolophus roseicapillus	BIRD		Animalia	Pygopus lepidopodus	REPTILE	Animalia
Cracticus torquatus	BIRD		Animalia	Lerista elegans	REPTILE	Animalia
Hirundo neoxena	BIRD		Animalia	Morethia lineoocellata	REPTILE	Animalia
Corvus coronoides	BIRD		Animalia	Brachyurophis semifasciatus	REPTILE	Animalia
Barnardius zonarius	BIRD		Animalia	Lialis burtonis	REPTILE	Animalia
Lichmera indistincta	BIRD		Animalia	Ctenophorus adelaidensis	REPTILE	Animalia
Hirundo neoxena	BIRD		Animalia	Echiopsis curta	REPTILE	Animalia
Artamus cinereus	BIRD		Animalia	Heleioporus eyrei	AMPHI	Animalia
Zosterops lateralis	BIRD		Animalia	Lerista elegans	REPTILE	Animalia
Tadorna tadornoides	BIRD		Animalia	Aprasia repens	REPTILE	Animalia
Trichoglossus haematodus	BIRD		Animalia	Brachyurophis semifasciatus	REPTILE	Animalia
Petrochelidon nigricans	BIRD		Animalia	Heleioporus barycragus	AMPHI	Animalia
Rhipidura albiscapa	BIRD		Animalia	Heleioporus albopunctatus	AMPHI	Animalia
Barnardius zonarius	BIRD		Animalia	Elapognathus coronatus	REPTILE	Animalia
Smicrornis brevirostris	BIRD		Animalia	Heleioporus barycragus	AMPHI	Animalia
Acanthiza chrysorrhoa	BIRD		Animalia	Brachyurophis semifasciatus	REPTILE	Animalia
Lichenostomus ornatus	BIRD		Animalia	Egernia napoleonis	REPTILE	Animalia
Corvus coronoides	BIRD		Animalia	Delma fraseri	REPTILE	Animalia
	BIRD		Animalia	Acritoscincus trilineatus	REPTILE	Animalia
Ocyphaps lophotes	BIRD		Animalia		AMPHI	Animalia
Petrochelidon nigricans Cracticus tibicen	BIRD			Crinia insignifera	REPTILE	
	BIRD		Animalia	Aprasia repens		Animalia
Egretta novaehollandiae		OC	Animalia	Lerista elegans	REPTILE	Animalia
Falco peregrinus	BIRD	OS	Animalia	Notechis scutatus Ctonotus australis	REPTILE	Animalia
Cygnus atratus Falco cenchroides	BIRD		Animalia	Ctenotus australis	REPTILE	Animalia
	BIRD		Animalia	Pygopus lepidopodus	REPTILE	Animalia
Anas superciliosa	BIRD		Animalia	Rhipidura leucophrys	BIRD	Animalia
Anthochaera carunculata	BIRD		Animalia	Cacatua pastinator	BIRD	Animalia
Cracticus tibicen	BIRD		Animalia	Anthochaera lunulata	BIRD	Animalia
Strophurus spinigerus	REPTILE		Animalia	Zosterops lateralis	BIRD	Animalia
Limnodynastes dorsalis	AMPHI		Animalia	Pardalotus striatus	BIRD	Animalia
Hirundo neoxena	BIRD		Animalia	Cracticus torquatus	BIRD	Animalia
Crinia insignifera	AMPHI		Animalia	Corvus coronoides	BIRD	Animalia

Anas gracilis	BIRD	Animalia	Lichmera indistincta	BIRD	Animalia
Anthochaera carunculata	BIRD	Animalia	Barnardius zonarius	BIRD	Animalia
Rattus rattus	MAMMAL	Animalia	Lichmera indistincta	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Calyptorhynchus sp.	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Cacomantis pallidus	BIRD	Animalia
lattus rattus	MAMMAL	Animalia	Petroica goodenovii	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Lichenostomus virescens	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Acanthiza inornata	BIRD	Animalia
itoria moorei	AMPHI	Animalia	Zosterops lateralis	BIRD	Animalia
lattus rattus	MAMMAL	Animalia	Falco longipennis	BIRD	Animalia
Rattus rattus	MAMMAL	Animalia	Rhipidura albiscapa	BIRD	Animalia
lattus rattus	MAMMAL	Animalia	Gerygone fusca	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Platalea flavipes	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Phylidonyris novaehollandiae	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Cracticus tibicen	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Malurus splendens	BIRD	Animalia
rinia georgiana	AMPHI	Animalia	Malurus splendens	BIRD	Animalia
⁄lus musculus	MAMMAL	Animalia	Phylidonyris novaehollandiae	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Gerygone fusca	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Cracticus tibicen	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Cracticus tibicen	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Pardalotus striatus	BIRD	Animalia
lattus rattus	MAMMAL	Animalia	Egretta novaehollandiae	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Malurus splendens	BIRD	Animalia
lotechis scutatus	REPTILE	Animalia	Accipiter fasciatus	BIRD	Animalia
attus rattus	MAMMAL	Animalia	Phylidonyris niger	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Pardalotus striatus	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Rhipidura leucophrys	BIRD	Animalia
soodon obesulus	MAMMAL	Animalia	Anthochaera carunculata	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Rhipidura leucophrys	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Phylidonyris niger	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Aquila audax	BIRD	Animalia
Crinia glauerti	AMPHI	Animalia	Gerygone fusca	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Grallina cyanoleuca	BIRD	Animalia
nas superciliosa	BIRD	Animalia	Purpureicephalus spurius	BIRD	Animalia
Phalacrocorax melanoleucos	BIRD	Animalia	Lichmera indistincta	BIRD	Animalia
Aalurus splendens	BIRD	Animalia	Threskiornis spinicollis	BIRD	Animalia
Acanthorhynchus superciliosus	BIRD	Animalia	Pachycephala rufiventris	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Rhipidura albiscapa	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Corvus coronoides	BIRD	Animalia
erista elegans	REPTILE	Animalia	Pardalotus striatus	BIRD	Animalia
•	REPTILE	Animalia	Petrochelidon nigricans	BIRD	Animalia
erista elegans	REPTILE	Animalia	Corvus coronoides	BIRD	Animalia
erista elegans	REPTILE	Animalia		BIRD	Animalia
erista elegans	REPTILE		Dacelo novaeguineae	BIRD	
erista elegans		Animalia	Acanthorhynchus superciliosus		Animalia
erista elegans	REPTILE	Animalia	Acanthiza chrysorrhoa	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Phylidonyris novaehollandiae	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Acanthorhynchus superciliosus	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Gerygone fusca	BIRD	Animalia
letholax gracilis	REPTILE	Animalia	Rhipidura albiscapa	BIRD	Animalia
nilios australis	REPTILE	Animalia	Anthochaera carunculata	BIRD	Animalia
henonetta jubata	BIRD	Animalia	Cracticus tibicen	BIRD	Animalia
rdea novaehollandiae	BIRD	Animalia	Gerygone fusca	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Zosterops lateralis	BIRD	Animalia
leleioporus eyrei	AMPHI	Animalia	Petrochelidon nigricans	BIRD	Animalia
Ieleioporus eyrei	AMPHI	Animalia	Corvus coronoides	BIRD	Animalia
eleioporus eyrei	AMPHI	Animalia	Purpureicephalus spurius	BIRD	Animalia
henonetta jubata	BIRD	Animalia	Coracina novaehollandiae	BIRD	Animalia
seudophryne guentheri	AMPHI	Animalia	Chenonetta jubata	BIRD	Animalia
erista elegans	REPTILE	Animalia	Acanthiza inornata	BIRD	Animalia
erista elegans	REPTILE	Animalia	Artamus cinereus	BIRD	Animalia
Лenetia greyii	REPTILE	Animalia	Barnardius zonarius	BIRD	Animalia
critoscincus trilineatum	REPTILE	Animalia	Cracticus tibicen	BIRD	Animalia
Chenonetta jubata	BIRD	Animalia	Barnardius zonarius	BIRD	Animalia
Aus musculus	MAMMAL	Animalia	Acanthiza chrysorrhoa	BIRD	Animalia
Crinia insignifera	AMPHI	Animalia	Purpureicephalus spurius	BIRD	Animalia
itoria adelaidensis	AMPHI	Animalia	Malurus splendens	BIRD	Animalia
itoria moorei	AMPHI	Animalia	Chenonetta jubata	BIRD	Animalia

Tachybaptus novaehollandiae	BIRD	Animalia	Zosterops lateralis	BIRD	Animalia
Falco peregrinus	BIRD O		Pachycephala rufiventris	BIRD	Animalia
Cacatua tenuirostris	BIRD	Animalia	Petroica boodang	BIRD	Animalia
Cacatua rendifostris Cacatua roseicapilla	BIRD	Animalia	Barnardius zonarius	BIRD	Animalia
·	BIRD	Animalia		BIRD	Animalia
Chrysococcyx lucidus			Rhipidura albiscapa		Animalia
Heleioporus eyrei	AMPHI	Animalia	Grallina cyanoleuca Pardalotus striatus	BIRD	Animalia
Heleioporus eyrei	AMPHI REPTILE	Animalia		BIRD	
Hemiergis quadrilineata		Animalia	Petrochelidon nigricans	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Anas superciliosa	BIRD	Animalia
Pseudophryne guentheri	AMPHI	Animalia	Cracticus tibicen	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Cacatua sanguinea	BIRD	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Pachycephala rufiventris	BIRD	Animalia
Ctenotus fallens	REPTILE	Animalia	Petrochelidon nigricans	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Grallina cyanoleuca	BIRD	Animalia
Pogona minor	REPTILE	Animalia	Coracina novaehollandiae	BIRD	Animalia
Anas gracilis	BIRD	Animalia	Lichenostomus virescens	BIRD	Animalia
Strophurus spinigerus	REPTILE	Animalia	Anthochaera lunulata	BIRD	Animalia
Lerista praepedita	REPTILE	Animalia	Corvus coronoides	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Lichmera indistincta	BIRD	Animalia
Ctenotus fallens	REPTILE	Animalia	Petroica goodenovii	BIRD	Animalia
Ctenotus fallens	REPTILE	Animalia	Threskiornis molucca	BIRD	Animalia
Malurus splendens	BIRD	Animalia	Barnardius zonarius	BIRD	Animalia
Crinia insignifera	AMPHI	Animalia	Anthochaera carunculata	BIRD	Animalia
Lichmera indistincta	BIRD	Animalia	Petroica boodang	BIRD	Animalia
Crinia insignifera	AMPHI	Animalia	Malurus splendens	BIRD	Animalia
Ramphotyphlops australis	REPTILE	Animalia	Rhipidura leucophrys	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Hirundo neoxena	BIRD	Animalia
Lerista praepedita	REPTILE	Animalia	Falco cenchroides	BIRD	Animalia
Menetia greyii	REPTILE	Animalia	Barnardius zonarius	BIRD	Animalia
Crinia insignifera	AMPHI	Animalia	Lichmera indistincta	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Pardalotus striatus	BIRD	Animalia
Litoria adelaidensis	AMPHI	Animalia	Anthochaera carunculata	BIRD	Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Gerygone fusca	BIRD	Animalia
Chenonetta jubata	BIRD	Animalia	Malurus splendens	BIRD	Animalia
Ardea novaehollandiae	BIRD	Animalia	Petrochelidon nigricans	BIRD	Animalia
Litoria moorei	AMPHI	Animalia	Petrochelidon nigricans	BIRD	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Anthochaera lunulata	BIRD	Animalia
Morethia obscura	REPTILE	Animalia	Rhipidura leucophrys	BIRD	Animalia
Menetia greyii	REPTILE	Animalia	Zosterops lateralis	BIRD	Animalia
Acritoscincus trilineatum	REPTILE	Animalia	Lichenostomus virescens	BIRD	Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Lichmera indistincta	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Colluricincla harmonica	BIRD	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Acanthiza chrysorrhoa	BIRD	Animalia
Tarsipes rostratus	MAMMAL	Animalia	Zosterops lateralis	BIRD	Animalia
Menetia greyii	REPTILE	Animalia	Acanthorhynchus superciliosus	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Gerygone fusca	BIRD	Animalia
Neelaps bimaculatus	REPTILE	Animalia	Malurus splendens	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Rhipidura albiscapa	BIRD	Animalia
Menetia greyii	REPTILE	Animalia	Gerygone fusca	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Malurus splendens	BIRD	Animalia
Anas gracilis	BIRD	Animalia	Cracticus tibicen	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Cracticus tibicen	BIRD	Animalia
Chelodina colliei	REPTILE	Animalia	Petroica goodenovii	BIRD	Animalia
Charadrius melanops	BIRD	Animalia	Rhipidura albiscapa	BIRD	Animalia
Himantopus himantopus	BIRD	Animalia	Ocyphaps lophotes	BIRD	Animalia
Crinia glauerti	AMPHI	Animalia	Cincloramphus cruralis	BIRD	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Cracticus torquatus	BIRD	Animalia
Mus musculus	MAMMAL	Animalia	Phylidonyris novaehollandiae	BIRD	Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Corvus coronoides	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Petroica boodang	BIRD	Animalia
Morethia obscura	REPTILE	Animalia	Malurus splendens	BIRD	Animalia
Pogona minor	REPTILE	Animalia	Malurus splendens	BIRD	Animalia
Heleioporus eyrei	AMPHI	Animalia	Anas superciliosa	BIRD	Animalia
Crinia glauerti	AMPHI	Animalia	Coracina novaehollandiae	BIRD	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Ocyphaps lophotes	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Coracina novaehollandiae	BIRD	Animalia
Lerista elegans	REPTILE	Animalia	Anthochaera lunulata	BIRD	Animalia
Litoria adelaidensis	AMPHI	Animalia	Malurus splendens	BIRD	Animalia
בונטוום מעכומועלוואוא	AIVIPTI	Allillidild	iviaiui us spieliuelis	טאום	Allillalla

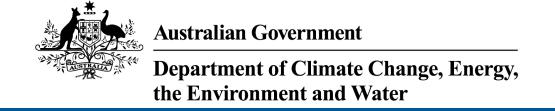
Crinia insignifera	AMPHI	Animalia	Cacomantis pallidus	BIRD		Animalia
Lucasium alboguttatus	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Phylidonyris niger	BIRD		Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Acanthagenys rufogularis	BIRD		Animalia
Litoria adelaidensis	AMPHI	Animalia	Lichenostomus virescens	BIRD		Animalia
Charadrius melanops	BIRD	Animalia	Barnardius zonarius	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Anthochaera carunculata	BIRD		Animalia
Pseudomys albocinereus	MAMMAL	Animalia	Phaps chalcoptera	BIRD		Animalia
Phaps chalcoptera	BIRD	Animalia	Cracticus tibicen	BIRD		Animalia
Grallina cyanoleuca	BIRD	Animalia	Manorina flavigula	BIRD		Animalia
Rhipidura fuliginosa	BIRD BIRD	Animalia	Cacatua galerita	BIRD		Animalia
Rhipidura leucophrys	BIRD	Animalia	Grallina cyanoleuca Coracina novaehollandiae	BIRD		Animalia Animalia
Cracticus tibicen	REPTILE	Animalia Animalia		BIRD BIRD		Animalia
Lerista praepedita	REPTILE	Animalia	Gerygone fusca	BIRD		Animalia
Strophurus spinigerus Acritoscincus trilineatum	REPTILE	Animalia	Rhipidura albiscapa Gerygone fusca	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Falco cenchroides	BIRD		Animalia
Crinia insignifera	AMPHI	Animalia	Accipiter cirrocephalus	BIRD		Animalia
Anas gracilis	BIRD	Animalia	Falco cenchroides	BIRD		Animalia
Ctenotus fallens	REPTILE	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Litoria adelaidensis	AMPHI	Animalia	Elanus axillaris	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Acanthiza inornata	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Ardea novaehollandiae	BIRD	Animalia	Purpureicephalus spurius	BIRD		Animalia
Crinia glauerti	AMPHI	Animalia	Corvus coronoides	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Petroica boodang	BIRD		Animalia
Tachybaptus novaehollandiae	BIRD	Animalia	Smicrornis brevirostris	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Streptopelia senegalensis	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Dacelo novaeguineae	BIRD		Animalia
Ramphotyphlops australis	REPTILE	Animalia	Acanthiza apicalis	BIRD		Animalia
Anas gracilis	BIRD	Animalia	Barnardius zonarius	BIRD		Animalia
Crinia glauerti	AMPHI	Animalia	Merops ornatus	BIRD		Animalia
Pletholax gracilis	REPTILE	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Ctenotus fallens	REPTILE	Animalia	Artamus cyanopterus	BIRD		Animalia
Platycercus zonarius	BIRD	Animalia	Anthochaera carunculata	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Malurus splendens	BIRD		Animalia
Menetia greyii	REPTILE	Animalia	Acanthiza inornata	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Corvus coronoides	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Cracticus tibicen	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Barnardius zonarius	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Rhipidura albiscapa	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Anas superciliosa	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Cracticus tibicen	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Zosterops lateralis	BIRD		Animalia
Menetia greyii	REPTILE	Animalia	Pachycephala rufiventris	BIRD		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Pachycephala rufiventris	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Anthochaera carunculata	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Lichmera indistincta	BIRD		Animalia
Charadrius melanops	BIRD	Animalia	Daphoenositta chrysoptera	BIRD		Animalia
Ctenophorus adelaidensis	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Crinia insignifera	AMPHI	Animalia	Lichmera indistincta	BIRD		Animalia
Threskiornis molucca	BIRD	Animalia	Pardalotus striatus	BIRD		Animalia
Circus approximans	BIRD	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Chenonetta jubata	BIRD	Animalia	Barnardius zonarius	BIRD		Animalia
Threskiornis spinicollis	BIRD	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Acanthiza chrysorrhoa	BIRD	Animalia	Grallina cyanoleuca	BIRD		Animalia
Lichmera indistincta	BIRD	Animalia	Pachycephala rufiventris	BIRD		Animalia
Zosterops lateralis	BIRD	Animalia	Eolophus roseicapillus	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Litoria moorei	AMPHI	Animalia	Rhipidura leucophrys	BIRD		Animalia
Pachycephala rufiventris	BIRD	Animalia	Malurus splendens	BIRD		Animalia
Gerygone fusca	BIRD	Animalia	Petrochelidon nigricans	BIRD	_	Animalia
Heleioporus eyrei	AMPHI	Animalia	Malurus splendens	BIRD		Animalia
Anas superciliosa	BIRD	Animalia	Anthochaera carunculata	BIRD		Animalia
Pseudophryne guentheri	AMPHI	Animalia	Gerygone fusca	BIRD		Animalia
Mus musculus	MAMMAL	Animalia	Barnardius zonarius	BIRD		Animalia

Anas gracilis	BIRD	Animalia	Daphoenositta chrysoptera	BIRD		Animalia
Tadorna tadornoides	BIRD	Animalia	Glyciphila melanops	BIRD		Animalia
Tachybaptus novaehollandiae	BIRD	Animalia	Petroica boodang	BIRD		Animalia
Litoria adelaidensis	AMPHI	Animalia	Barnardius zonarius	BIRD		Animalia
Mus musculus	MAMMAL	Animalia	Corvus coronoides	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Falco cenchroides	BIRD		Animalia
Tadorna tadornoides	BIRD	Animalia	Pardalotus striatus	BIRD		Animalia
Anas superciliosa	BIRD	Animalia	Eolophus roseicapillus	BIRD		Animalia
Crinia insignifera	AMPHI	Animalia	Tadorna tadornoides	BIRD		Animalia
Cracticus torquatus	BIRD	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Malurus splendens	BIRD		Animalia
Anilios australis	REPTILE	Animalia	Gerygone fusca	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Lichmera indistincta	BIRD		Animalia
Platalea flavipes	BIRD	Animalia	Grallina cyanoleuca	BIRD		Animalia
Litoria adelaidensis	AMPHI	Animalia	Rhipidura leucophrys	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
	REPTILE		Cracticus tibicen	BIRD		Animalia
Aprasia repens		Animalia				
Lichenostomus virescens	BIRD	Animalia	Petrochelidon nigricans	BIRD		Animalia
Phylidonyris novaehollandiae	BIRD	Animalia	Barnardius zonarius	BIRD		Animalia
Crinia glauerti	AMPHI	Animalia	Zosterops lateralis	BIRD	-	Animalia
Anas superciliosa	BIRD	Animalia	Pachycephala rufiventris	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Phylidonyris niger	BIRD	_	Animalia
Charadrius melanops	BIRD	Animalia	Phylidonyris niger	BIRD		Animalia
Rhipidura fuliginosa	BIRD	Animalia	Petroica boodang	BIRD		Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Pachycephala rufiventris	BIRD		Animalia
Myobatrachus gouldii	AMPHI	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Tachybaptus novaehollandiae	BIRD	Animalia	Cracticus tibicen	BIRD		Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Mus musculus	MAMMAL	Animalia	Cacomantis flabelliformis	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Zosterops lateralis	BIRD		Animalia
Heleioporus eyrei	AMPHI	Animalia	Egretta novaehollandiae	BIRD		Animalia
Platycercus zonarius	BIRD	Animalia	Lichmera indistincta	BIRD		Animalia
Anthochaera lunulata	BIRD	Animalia	Lichenostomus virescens	BIRD		Animalia
Corvus coronoides	BIRD	Animalia	Coracina novaehollandiae	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Rhipidura albiscapa	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Cracticus tibicen	BIRD		Animalia
Mus musculus	MAMMAL	Animalia	Lichmera indistincta	BIRD		Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Phaps chalcoptera	BIRD		Animalia
Lerista praepedita	REPTILE	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Mus musculus	MAMMAL	Animalia	Corvus coronoides	BIRD		Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Strepera versicolor	BIRD		Animalia
Acritoscincus trilineatum	REPTILE	Animalia	Colluricincla harmonica	BIRD		Animalia
Anilios australis	REPTILE	Animalia	Coracina novaehollandiae	BIRD		Animalia
Litoria moorei	AMPHI	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Tachybaptus novaehollandiae	BIRD	Animalia	Aquila audax	BIRD		Animalia
Egernia napoleonis	REPTILE	Animalia	Todiramphus sanctus	BIRD		Animalia
Anas gracilis	BIRD	Animalia	Anthochaera carunculata	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Phaps chalcoptera	BIRD		Animalia
	AMPHI		Anthochaera lunulata	BIRD		
Heleioporus eyrei		Animalia				Animalia
Litoria moorei	AMPHI	Animalia	Lichmera indistincta	BIRD		Animalia
Anas gracilis	BIRD	Animalia	Dacelo novaeguineae	BIRD	-	Animalia
Heleioporus eyrei	AMPHI	Animalia	Dromaius novaehollandiae	BIRD	-	Animalia
Neelaps bimaculatus	REPTILE	Animalia	Anthochaera carunculata	BIRD		Animalia
Anilios australis	REPTILE	Animalia	Acanthiza apicalis	BIRD		Animalia
Lerista praepedita	REPTILE	Animalia	Cracticus torquatus	BIRD	-	Animalia
Heleioporus eyrei	AMPHI	Animalia	Zosterops lateralis	BIRD		Animalia
Crinia glauerti	AMPHI	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
Tiliqua rugosa subsp. rugosa	REPTILE	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Litoria moorei	AMPHI	Animalia	Lichenostomus virescens	BIRD		Animalia
Petroica multicolor	BIRD	Animalia	Corvus coronoides	BIRD		Animalia
Calyptorhynchus latirostris	BIRD EN	Animalia	Corvus coronoides	BIRD		Animalia
Isoodon fusciventer	MAMMA P4	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD EN	Animalia	Ocyphaps lophotes	BIRD		Animalia
Calyptorhynchus latirostris	BIRD EN	Animalia	Cracticus tibicen	BIRD		Animalia
Calyptorhynchus latirostris	BIRD EN	Animalia	Corvus coronoides	BIRD		Animalia
Calyptorhynchus latirostris	BIRD EN	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia

	DIDD	- N 1	A 1		DIDD	ENI	A 1
Calyptorhynchus latirostris	BIRD	EN	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Pardalotus striatus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Rhipidura albiscapa	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Petroica goodenovii	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Corvus coronoides	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Rhipidura albiscapa	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Rhipidura leucophrys	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Petrochelidon nigricans	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Anthochaera carunculata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthiza apicalis	BIRD		Animalia
Calyptorhynchus banksii subsp. naso	BIRD	VU	Animalia	Eolophus roseicapillus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Isoodon fusciventer	MAMMA		Animalia	Falco peregrinus	BIRD	OS	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Colluricincla harmonica	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Rhipidura albiscapa	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Hirundo neoxena	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Gerygone fusca	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Purpureicephalus spurius	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthagenys rufogularis	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Cacomantis pallidus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Dacelo novaeguineae	BIRD		Animalia
Dasyurus geoffroii	MAMMA	_	Animalia	Lichenostomus virescens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Anthochaera carunculata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Petroica goodenovii	BIRD		Animalia
Dasyurus geoffroii	MAMMA		Animalia	Hirundo neoxena	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Pardalotus striatus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthiza apicalis	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Malurus splendens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Threskiornis molucca	BIRD		Animalia
Neelaps calonotos	REPTILE	Р3	Animalia	Anthochaera carunculata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Barnardius zonarius	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Coracina novaehollandiae	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Lichmera indistincta	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Zosterops lateralis	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Cracticus torquatus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Anthochaera carunculata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Lichmera indistincta	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Gerygone fusca	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Malurus splendens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Pachycephala rufiventris	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Barnardius zonarius	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Corvus coronoides	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Malurus splendens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Anthochaera lunulata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Gerygone fusca	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Barnardius zonarius	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Acanthiza inornata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Anthochaera lunulata	BIRD		Animalia
Neelaps calonotos	REPTILE	Р3	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Chenonetta jubata	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Petroica goodenovii	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Tadorna tadornoides	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Colluricincla harmonica	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Cracticus tibicen	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Coracina novaehollandiae	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Malurus splendens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Lichenostomus virescens	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Cacomantis flabelliformis	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Lichmera indistincta	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Phaps chalcoptera	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Rhipidura albiscapa	BIRD		Animalia
Calyptorhynchus latirostris	BIRD	EN	Animalia	Lichmera indistincta	BIRD		Animalia
Calyptornynchus latirostris	BIRD	EN	Animalia	Acanthiza inornata	BIRD		Animalia
Tarsipes rostratus	MAMMA		Animalia	Barnardius zonarius	BIRD		Animalia
Cryptoblepharus buchananii	REPTILE	_	Animalia	Lichenostomus virescens	BIRD	-	Animalia
Ci yptobicpiiai us buciiaiiaiiii	VELLIFE		Aimilalia	LICHEHOSCOTHUS VII ESCENS	חאום		Allillidiid

Ctenophorus adelaidensis	REPTILE	Animalia	Acanthiza apicalis	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Barnardius zonarius	BIRD		Animalia
Fachyglossus aculeatus	MAMMAL	Animalia	Phaps chalcoptera	BIRD		Animalia
Morethia obscura	REPTILE	Animalia	Cracticus tibicen	BIRD		Animalia
Ctenophorus adelaidensis	REPTILE	Animalia	Threskiornis spinicollis	BIRD		Animalia
Delma fraseri	REPTILE	Animalia	Purpureicephalus spurius	BIRD		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Gerygone fusca	BIRD		Animalia
Merops ornatus	BIRD	Animalia	Petrochelidon nigricans	BIRD		Animalia
Corvus coronoides subsp. perplexus	BIRD	Animalia	Hirundo neoxena	BIRD		Animalia
Heleioporus albopunctatus	AMPHI	Animalia	Gerygone fusca	BIRD		Animalia
Menetia greyii	REPTILE	Animalia	Strepera versicolor	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Lichmera indistincta	BIRD		Animalia
Crinia insignifera	AMPHI	Animalia	Pachycephala rufiventris	BIRD		Animalia
-		Animalia	Lichmera indistincta	BIRD		Animalia
Aprasia repens	REPTILE					
Litoria adelaidensis	AMPHI	Animalia	Anthochaera lunulata	BIRD		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Simoselaps bertholdi	REPTILE	Animalia	Anthochaera carunculata	BIRD		Animalia
Neelaps bimaculatus	REPTILE	Animalia	Barnardius zonarius	BIRD		Animalia
Pygopus lepidopodus	REPTILE	Animalia	Rhipidura leucophrys	BIRD		Animalia
Acanthorhynchus superciliosus	BIRD	Animalia	Grallina cyanoleuca	BIRD		Animalia
Phalacrocorax varius	BIRD	Animalia	Purpureicephalus spurius	BIRD		Animalia
Cacatua galerita subsp. galerita	BIRD	Animalia	Pachycephala rufiventris	BIRD		Animalia
Platycercus spurius	BIRD	Animalia	Rhipidura leucophrys	BIRD		Animalia
Phalacrocorax melanoleucos subsp. melanoleucos	BIRD	Animalia	Pachycephala rufiventris	BIRD		Animalia
Gavicalis virescens	BIRD	Animalia	Artamus cinereus	BIRD		Animalia
Elanus caeruleus subsp. axillaris	BIRD	Animalia	Lichmera indistincta	BIRD		Animalia
Gavicalis virescens	BIRD	Animalia	Colluricincla harmonica	BIRD		Animalia
Cacatua galerita subsp. galerita	BIRD	Animalia		AMPHI		Animalia
			Heleioporus eyrei			
Cacatua galerita subsp. galerita	BIRD	Animalia	Lerista elegans	REPTILE		Animalia
Phalacrocorax sp.	BIRD	Animalia	Mus musculus	MAMMAL		Animalia
Botaurus poiciloptilus	BIRD EN	Animalia	Tarsipes rostratus	MAMMAL		Animalia
Pseudomys albocinereus	MAMMAL	Animalia	Acanthiza inornata	BIRD		Animalia
Nyctophilus gouldi	MAMMAL	Animalia	Lerista elegans	REPTILE		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Malurus splendens	BIRD		Animalia
Isoodon obesulus subsp. fusciventer	MAMMAL	Animalia	Anilios australis	REPTILE		Animalia
Macropus fuliginosus	MAMMAL	Animalia	Heleioporus eyrei	AMPHI		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Ardea novaehollandiae	BIRD		Animalia
Phylidonyris nigra subsp. gouldii	BIRD	Animalia	Grallina cyanoleuca	BIRD		Animalia
Merops ornatus	BIRD	Animalia	Malurus splendens	BIRD		Animalia
Chrysococcyx lucidus subsp. plagosus	BIRD	Animalia	Ctenophorus adelaidensis	REPTILE		Animalia
Isoodon obesulus subsp. fusciventer	MAMMAL	Animalia	Acanthiza apicalis	BIRD		Animalia
Malurus splendens	BIRD	Animalia	Rhipidura leucophrys	BIRD		Animalia
·			· · · · · · · · · · · · · · · · · · ·			
Tarsipes rostratus	MAMMAL	Animalia	Gerygone fusca	BIRD		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Lerista elegans	REPTILE		Animalia
Cryptoblepharus buchananii	REPTILE	Animalia	Charadrius melanops	BIRD		Animalia
Phascogale tapoatafa subsp. tapoatafa	MAMMAL	Animalia	Lerista elegans	REPTILE		Animalia
Isoodon obesulus subsp. fusciventer	MAMMAL	Animalia	Litoria moorei	AMPHI		Animalia
Simoselaps bertholdi	REPTILE	Animalia	Limnodynastes dorsalis	AMPHI		Animalia
Tarsipes rostratus	MAMMAL	Animalia	Tadorna tadornoides	BIRD		Animalia
Delma fraseri	REPTILE	Animalia	Grallina cyanoleuca	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Cacatua pastinator	BIRD		Animalia
Nyctophilus geoffroyi subsp. geoffroyi	MAMMAL	Animalia	Gerygone fusca	BIRD		Animalia
Rattus rattus	MAMMAL	Animalia	Anthochaera carunculata	BIRD		Animalia
Menetia greyii	REPTILE	Animalia	Ninox novaeseelandiae subsp. boobook	BIRD		Animalia
Rattus rattus	MAMMAL	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Limnodynastes dorsalis	AMPHI	Animalia	Anas castanea	BIRD	- I V	Animalia
·	REPTILE			REPTILE		
Cryptoblepharus buchananii		Animalia	Columbar by mahus latiroctris		LVI	Animalia
Crinia insignifera	AMPHI	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Morethia lineoocellata	REPTILE	Animalia	Litoria adelaidensis	AMPHI		Animalia
Simoselaps bertholdi	REPTILE	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Aprasia repens	REPTILE	Animalia	Neelaps calonotos	REPTILE	Р3	Animalia
Lerista praepedita	REPTILE	Animalia	Pseudophryne guentheri	AMPHI		Animalia
Crinia glauerti	AMPHI	Animalia	Corvus coronoides	BIRD		Animalia
Lerista elegans	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Simoselaps bertholdi	REPTILE	Animalia	Acanthorhynchus superciliosus	BIRD		Animalia
·	REPTILE	Animalia	Gerygone fusca	BIRD		Animalia
Ctenophorus adelaidensis			, o		1	
Ctenophorus adelaidensis Ctenophorus adelaidensis	REPTILE	Animalia	Barnardius zonarius	BIRD		Animalia

Pygopus lepidopodus	REPTILE	Animalia	Pachycephala rufiventris	BIRD		Animalia
Ctenophorus adelaidensis	REPTILE	Animalia	Artamus cinereus	BIRD		Animalia
Echiopsis curta	REPTILE	Animalia	Merops ornatus	BIRD		Animalia
Brachyurophis semifasciatus	REPTILE	Animalia	Tadorna tadornoides	BIRD		Animalia
Neelaps bimaculatus	REPTILE	Animalia	Acanthiza chrysorrhoa	BIRD		Animalia
Lerista praepedita	REPTILE	Animalia	Phylidonyris novaehollandiae	BIRD		Animalia
Lialis burtonis	REPTILE	Animalia	Corvus coronoides	BIRD		Animalia
Crinia insignifera	AMPHI	Animalia	Morethia lineoocellata	REPTILE		Animalia
Morethia obscura	REPTILE	Animalia	Cryptoblepharus buchananii	REPTILE		Animalia
Morethia obscura	REPTILE	Animalia	Simoselaps bertholdi	REPTILE		Animalia
Delma fraseri	REPTILE	Animalia	Ctenotus fallens	REPTILE		Animalia
Lerista elegans	REPTILE	Animalia	Ctenotus australis	REPTILE		Animalia
Lerista lineopunctulata	REPTILE	Animalia	Cryptoblepharus buchananii	REPTILE		Animalia
Ramphotyphlops australis	REPTILE	Animalia	Calyptorhynchus latirostris	BIRD	EN	Animalia
Ctenotus fallens	REPTILE	Animalia				



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: 15-Nov-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 <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	4
Listed Threatened Species:	31
Listed Migratory Species:	8

Other Matters Protected by the EPBC Act

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

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

A <u>permit</u> 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:	71
Commonwealth Heritage Places:	None
Listed Marine Species:	12
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	4
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	12
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[Resource Information]

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

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

Community Name	Threatened Category	Presence Text	Buffer Status
Assemblages of plants and invertebrate animals of tumulus (organic mound) springs of the Swan Coastal Plain	Endangered	Community known to occur within area	In buffer area only
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area	In feature area
Shrublands and Woodlands on Muchea Limestone of the Swan Coastal Plain	Endangered	Community known 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.

Threatened Category	Presence Text	Buffer Status
Endangered	Species or species habitat may occur within area	In buffer area only
Critically Endangered	Species or species habitat likely to occur within area	In feature area
Vulnerable	Species or species habitat likely to occur within area	In feature area
	Endangered Critically Endangered	Endangered Species or species habitat may occur within area Critically Endangered Species or species habitat likely to occur within area Vulnerable Species or species habitat likely to occur

Scientific Name	Threatened Category	Presence Text	Buffer Status
Leipoa ocellata	3 ,		
Malleefowl [934]	Vulnerable	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 may occur within area	In feature area
Rostratula australis			
Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Zanda latirostris listed as Calyptorhynchu	ıs latirostris		
Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]		Breeding known to occur within area	In feature area
FISH			
Galaxiella nigrostriata			
Blackstriped Dwarf Galaxias, Black- stripe Minnow [88677]	Endangered	Species or species habitat likely to occur within area	In feature area
INSECT			
Hesperocolletes douglasi			
Douglas' Broad-headed Bee, Rottnest Bee [66734]	Critically Endangered	Species or species habitat known to occur within area	In feature area
MAMMAL			
Dasyurus geoffroii			
Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat known to occur within area	In feature area
Macroderma gigas			
Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In buffer area only
OTHER			
Westralunio carteri Carter's Freshwater Mussel, Freshwater Mussel [86266]	Vulnerable	Species or species habitat may occur within area	In buffer area only
PLANT			
Acacia anomala			
Grass Wattle, Chittering Grass Wattle [8153]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat likely to occur within area	In feature area
Anigozanthos viridis subsp. terraspectan Dwarf Green Kangaroo Paw [3435]	<u>s</u> Vulnerable	Species or species habitat likely to occur within area	In feature area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat likely to occur within area	In feature area
Caleana dixonii listed as Paracaleana dix Sandplain Duck Orchid [87944]	<u>konii</u> Endangered	Species or species habitat may occur within area	In feature area
Chamelaucium sp. Gingin (N.G.Marchan Gingin Wax [88881]	<u>t 6)</u> Endangered	Species or species habitat likely to occur within area	In feature area
Conospermum densiflorum subsp. unice One-headed Smokebush [64871]	phalatum Endangered	Species or species habitat may occur within area	In buffer area only
Darwinia foetida Muchea Bell [83190]	Critically Endangered	Species or species habitat known to occur within area	In buffer area only
<u>Diuris micrantha</u> Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat may occur within area	In buffer area only
<u>Diuris purdiei</u> Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat may occur within area	In feature area
Drakaea elastica Glossy-leafed Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat likely to occur within area	In feature area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Eucalyptus argutifolia Yanchep Mallee, Wabling Hill Mallee [24263]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Grevillea curviloba subsp. curviloba Curved-leaf Grevillea [64908]	Endangered	Species or species habitat known to occur within area	In feature area
Grevillea curviloba subsp. incurva Narrow curved-leaf Grevillea [64909]	Endangered	Species or species habitat known to occur within area	In buffer area only
Macarthuria keigheryi Keighery's Macarthuria [64930]	Endangered	Species or species habitat may occur within area	In feature area
Synaphea sp. Fairbridge Farm (D. Pape Selena's Synaphea [82881]	enfus 696) Critically Endangered	Species or species habitat may occur within area	In buffer area only
Thelymitra dedmaniarum Cinnamon Sun Orchid [65105]	Endangered	Species or species habitat may occur within area	In buffer area only
Thelymitra stellata Star Sun-orchid [7060]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Listed Migratory Species		[Re	source Information]
Scientific Name Migratory Marine Birds	Threatened Category	Presence Text	Buffer Status
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Migratory Terrestrial Species			
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area	In feature area
Migratory Wetlands Species Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris acuminata Sharp-tailed Sandpiper [874]	Timoatorioa Gatogory	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In buffer area only

Other Matters Protected by the EPBC Act

Commonwealth Lands [Resource Information]

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

•		
Commonwealth Land Name	State	Buffer Status
Defence		
Defence - MUCHEA ARMAMENT RANGE [50076]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50057]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50058]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50056]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50059]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50078]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50072]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50075]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50071]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50084]	WA	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - MUCHEA ARMAMENT RANGE [50087]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50080]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50074]	WA	In buffer area only
	V V / (in banci area only
Defence - MUCHEA ARMAMENT RANGE [50081]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50079]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50091]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50086]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50090]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50092]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50093]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50095]	WA	In feature area
Defence - MUCHEA ARMAMENT RANGE [50070]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50085]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50077]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50062]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50063]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50083]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50082]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50089]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50088]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50061]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50094]	WA	In feature area
Defence - MUCHEA ARMAMENT RANGE [50060]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50067]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50066]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50065]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50064]	WA	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - MUCHEA ARMAMENT RANGE [50069]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50068]	WA	In buffer area only
Defence - MUCHEA ARMAMENT RANGE [50073]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50051]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50053]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50052]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50055]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50054]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50042]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50037]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50036]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50035]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50040]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50049]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50019]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50044]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50020]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50030]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50028]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50038]	WA	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50025]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50033]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50043]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50046]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50021]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50027]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50034]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50024]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50023]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50022]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50041]	WA	In buffer area only
Defence - PEARCE - AP19 HF RECEIVER STATION BULLSBROOK [50026]	WA	In buffer area only
Defence - PEARCE - AP8 BORE SITES [50005]	WA	In buffer area only
Unknown		
Commonwealth Land - [50856]	WA	In buffer area only

Listed Marine Species [Resource Informat							
Scientific Name	Threatened Category	Presence Text	Buffer Status				
Bird							
Actitis hypoleucos							
Common Sandpiper [59309]		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				

Scientific Name	Threatened Category	Presence Text	Buffer Status
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area	In feature area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rostratula australis as Rostratula bengh Australian Painted Snipe [77037]	alensis (sensu lato) Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In buffer area only

Extra Information

Construction of an International Rifle

Range

State and Territory Reserves				[Reso	urce Information]
Protected Area Name	Reserve T	ype	State	э В	uffer Status
Neaves Road	Nature Re	eserve	WA	lr	buffer area only
Unnamed WA02336	Nature Re	eserve	WA	In buffer area o	
Unnamed WA44622	Nature Re	eserve	WA	Ir	buffer area only
Yeal	Nature Re	eserve	WA	Ir	buffer area only
EPBC Act Referrals				[Reso	urce Information]
Title of referral	Reference	Referral Outo	ome	Assessment Status	s Buffer Status
Samphire Offshore Wind Farm	2022/09306			Assessment	In buffer area only
Controlled action					
Alkimos Seawater Desalination	2019/8453	Controlled Ac	tion	Assessment Approach	In buffer area only
Great Northern Highway Muchea to Wubin Upgrade Stage 2 - Muchea North, WA	2016/7656	Controlled Ac	ction	Post-Approval	In buffer area only
Muchea Industrial Precinct, Part of Lot 102 Great Northern Highway, Muchea, WA	2017/8119	Controlled Ac	tion	Post-Approval	In buffer area only
Natural Gas Pipeline Expansion	2006/2813	Controlled Ac	tion	Post-Approval	In buffer area only
Perth-Darwin National Highway alignment (Swan Valley Section), WA	2013/7042	Controlled Ac	tion	Post-Approval	In buffer area only
Sand quarry development, Lot 2, Bingham Road, Bullsbrook, WA	2017/8104	Controlled Ac	tion	Assessment Approach	In buffer area only
Not controlled action					
			_		

2011/6068

Not Controlled

Action

Completed

In buffer area

only

Title of noternal	Defenses	Defermal Outeens	A Ct - tu -	Duffen Otatus
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
Not controlled action (particular manne	er)			
Transmission Line Rebuild and	2009/5105	Not Controlled	Post-Approval	In buffer area
Extension		Action (Particular Manner)		only
Referral decision				
Boundary Road Sand Quarry	2019/8560	Referral Decision	Completed	In buffer area only
Transmission Line Rebuild and Extension	2009/4972	Referral Decision	Completed	In buffer area only



Appendix 8: Fauna Habitat Assessment (example)

FAUNA HABITAT ASSESSMENT SHEET

(South West)

Location: RAAF Pearce Site Number: HA 1

Project Number: ME/PCB 01



			Easting: 398613 Northing: 6502623			N	E	s	W
Date: 14 Novembe	r 2022				Aspect	NW NE		sw	SE
Quadrat Size: 50 x 50 m				N/A	Notes:				
Soil Texture	sa	and	sandy-loam	loam		cracki	ng clay	cla	ny
VEGETATION									
	Hummock	Other: Coastal He	ath		ight				

Vegetation Description	Hummock Grassland	Other: Coastal He	ath			Height	Cover				
	Acacia Shrubland		Stra	itum		I 🚡	Scattered Plants	Sparse	Moderate	Thick	
	Riverine Woodland	Overstorey	Banksia attenuata	, B. mensezii		6	0 <5% COVER	1 <20% COVER	2 20-60%	3 60-100%	
	Sandplain						0	1	2	3	
	Rocky Outcrop	Midstorey	Melaleuca, Kunze	a glabrensis, Adena	anthos sericeus	4	<5% COVER	<20% COVER	20-60%	60-100%	
	Low Woodland	Ground Cover	Leptospermum erd	ubescens , mixed he	erbs and grasses	1	0 <5% COVER	1 <20% COVER	2 20-60%	3 60-100%	
			CONDITION			LAST FIRE					
Scale:	5 Pristine	4 Excellent	3 Very Good	2 Good	1 Degraded	0 Completely Degraded	0 <1 year	1 1 -3 Yr	2 4-5 Yr	3 >5 Yr	
Notes:											

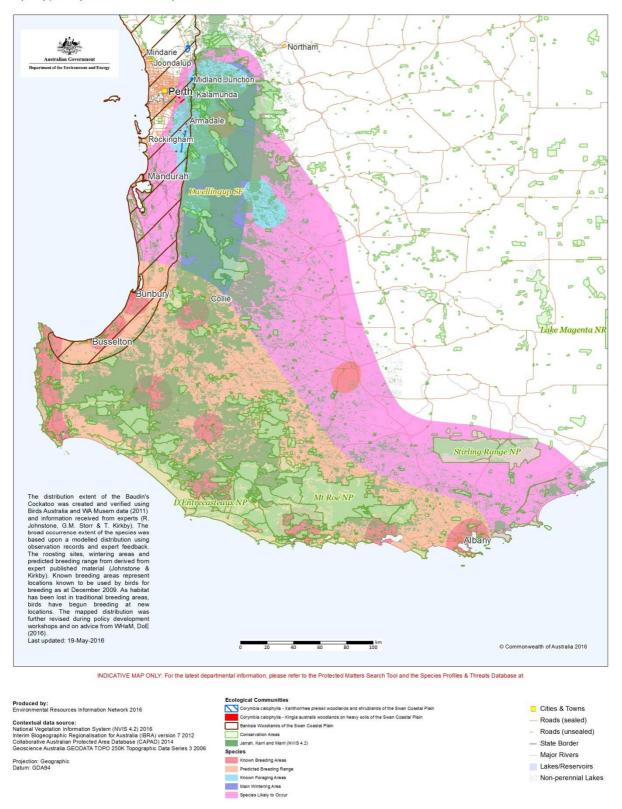
		(general)				DISTURBANCE			(cattle)			
	0 heavy	1 medium	2 mild		3 none				ŀ	0 leavy	1 medium	2 mild	3 none
Notes: previous b	ldings/ infrastruct	ure											
							GROUND COVE	R					
Bare Ground	0 <5% COVER	1 <20% COVER	2 20-60%	3	100%	60-		Hummock Grass	0 <5% COVER		1 <20% COVER	2 20-60%	3 60-100%
Rock	0 <5% COVER	1 <20% COVER	2 20-60%	3	100%	60-		Other Grass	<5%	0 COVER	1 <20% COVER	2 20-60%	3 60-100%
Leaf Litter	0 <5% COVER	1 <20% COVER	2 20-60%	3	100%	60-		Herbs	<5%	0 COVER	1 <20% COVER	2 20-60%	3 60-100%
Hollow logs	0 <5% COVER	1 <20% COVER	2 20-60%	3	100%	60-		Other:	<5%	0 COVER	1 <20% COVER	2 20-60%	3 60-100%
MICROHABITATS													
Burrowing Suitability		0 Rock	1 Stoney	2	S Loam	andy	3 Sand	Peeling Bark	0	none	1 rare	2 moderate	3 common
Pebbles Stones		0 <5%	1 <20%	2	60%	20-	3 60-100%	Large Hollows >100mm	0	none	1 rare	2 moderate	3 common
Exfoliating Slabs		0 <5%	1 <20%	2	60%	20-	3 60-100%	Small Hollows <100 mm	0 none		1 rare	2 moderate	3 common
Rock Crevices		0 <5%	1 <20%	2	60%	20-	3 60-100%	Water Prescence	0 none		1 rare	2 moderate	3 common
Boulders		0 <5%	1 <20%	2	60%	20-	3 60-100%	Distance to Water	0 >5km		1 2-5km	2 500m - 2km	3 <500m
Suitability for Bats		YES			NO			Termite Mounds	0 none		1 rare	2 moderate	3 common
Caves		Abs	Absent		Present		sent	Woody Debris	0 none		1 rare	2 moderate	3 common
							Species:						
Birds				Mammals						Reptiles			
Singing Honeyeater				Grey Kangaroo					Shingleback				



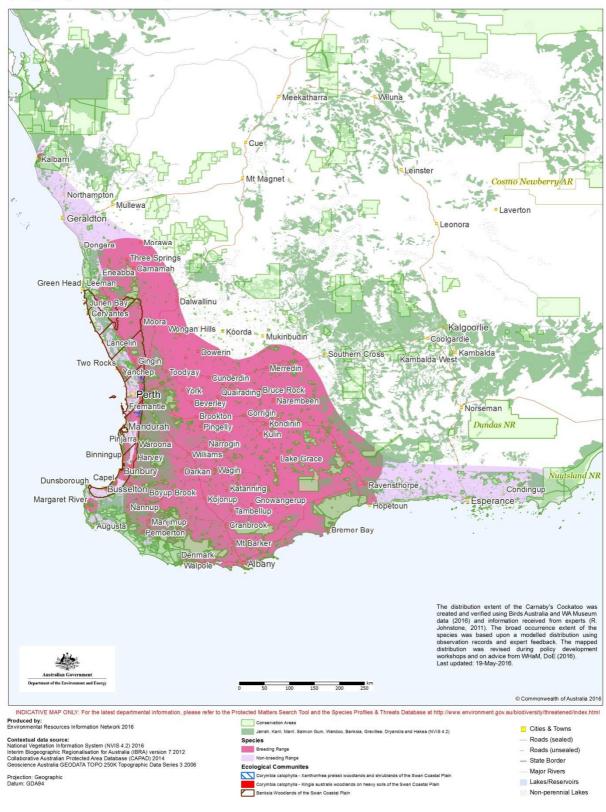
Appendix 9: Black Cockatoo Distribution Maps

Appendix A – Distribution maps for the three black cockatoos

Map 2: Modelled distribution for Baudin's Cockatoo (*Calyptorhynchus baudinii*)



Map 3: Modelled distribution for Carnaby's Cockatoo (Calyptorhynchus latirostris)



Map 4: Modelled distribution for Forest Red-tailed Black-Cockatoo (*Calyptorhynchus banksii naso*)

