# RECONNAISSANCE FLORA, VEGETATION AND BASIC FAUNA SURVEY REPORT



Line 51 Esperance Branch Line, Esperance to Gibson – Section 4 Meat Works to Paterson Rd (371.87-372.95km, Site 13) Esperance to Gibson

Monjingup, WA 6448

Final

1/06/2022





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Al005-004 7 June 2022



#### **Table of Contents**

| Execut | tive Summary                                                                                    |    |
|--------|-------------------------------------------------------------------------------------------------|----|
| 1.     | Introduction, Scope and Background Information                                                  | 2  |
| 1.1.   | Location and Development Proposal                                                               |    |
| 1.2.   | Alignment to Legislation, Guidelines and Policies                                               | 3  |
| 1.3.   | Geology and soils                                                                               | 5  |
| 1.4.   | Climate                                                                                         | 5  |
| 1.5.   | Habitat Connectivity                                                                            | 5  |
| 1.6.   | Water and Wetlands                                                                              | 6  |
| 1.7.   | Environmentally Sensitive Areas                                                                 | 6  |
| 1.8.   | Remnant Vegetation                                                                              | 6  |
| 1.9.   | Heritage                                                                                        |    |
| 2.     | Methodology – Desktop Assessment                                                                | 7  |
| 2.1.   | Flora and Vegetation                                                                            | 7  |
| 2.2.   | Fauna                                                                                           |    |
| 3.     | Methodology – Field Survey                                                                      | 8  |
| 3.1.   | Flora and Vegetation                                                                            |    |
| 3.2.   | Flora and Vegetation Survey Limitations and Constraints                                         | 8  |
| 3.3.   | Basic Fauna Survey Methodology                                                                  |    |
| 3.4.   | Targeted Black Cockatoo Habitat Assessment                                                      |    |
| 3.4.1  | Surveys for Breeding Hollows                                                                    |    |
| 3.4.2  | Surveys for Foraging Habitat and Feeding Activity                                               |    |
| 3.4.3  | Surveys for Roosting Habitat                                                                    |    |
| 3.5.   | Fauna Survey Limitations and Constraints                                                        |    |
| 4.     | Results – Desktop Assessment                                                                    |    |
| 4.1.   | Threatened and Priority Flora                                                                   |    |
| 4.2.   | Threatened and Priority Ecological Communities                                                  |    |
| 4.3.   | Fauna                                                                                           |    |
| 4.3.1  | Potential Breeding, Foraging and Roosting Habitat for Black Cockatoos                           |    |
| 5.     | Results – Flora and Vegetation Field Survey                                                     |    |
| 5.1.   | Flora Diversity                                                                                 |    |
| 5.2.   | Vegetation Units                                                                                |    |
| 5.3.   | Vegetation Condition                                                                            |    |
| 5.4.   | Invasive Plants                                                                                 |    |
| 5.5.   | Presence of Conservation Significant Flora                                                      |    |
| 5.6.   | Threatened and Priority Ecological Communities                                                  |    |
| 5.6.1  | Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province (Kwongkan) |    |
| 6.     | Results – Fauna Field Survey                                                                    |    |
| 6.1.   | Basic Fauna Survey                                                                              |    |
| 6.2.   | Targeted Black Cockatoo Assessment                                                              |    |
| 6.2.1. | Breeding habitat                                                                                |    |
| 6.2.2. | Foraging and roosting habitat                                                                   |    |
| 7.     | Discussion                                                                                      |    |
| 7.1.   | Vegetation, Threatened and Priority Flora and Ecological Communities                            |    |
| 7.2.   | Basic Fauna and Targeted Threatened and Priority Fauna Survey                                   |    |
| 8.     | References                                                                                      |    |
| 9.     | Appendices                                                                                      | 45 |

#### **LIST OF TABLES**

- Table 1: Reserve Details (GoWA, 2022).
- Table 2: Flora and Vegetation Survey Limitations and Constraints.
- Table 3 Habitats used by Carnaby's Cockatoo (DSEWPaC, 2012).
- Table 4: Fauna survey limitations and constraints.
- Table 5: Minimum patch size analysis for CSM PEC/TEC diagnostic criteria.
- Table 6: Condition thresholds and minimum patch size analysis for Kwongkan PEC/TEC diagnostic criteria.
- Table 7: Vegetation condition rating.



- Table 8: Weed species recorded from the survey area.
- Table 9: Vegetation units identified within the survey area that may meet the Threatened/Priority ecological community Kwongkan criteria.
- Table 10: Quadrat analysis of vegetation unit 1: Nuyflo and Lamine SL to determine the presence of 'Proteaceae Dominated Kwongkan Shrubland of the South-east Coastal Floristic Province (Kwongkan)' Threatened and Priority Ecological Community.
- Table 11: Criteria for assessing the likelihood of occurrence of Threatened or Priority flora and fauna within a 30km radius of the survey area.
- Table 12: Potential conservation significant flora located within 10 km (NatureMap and PMST) to 30 km (DBCA) of the survey area and likelihood of occurrence analysis (post survey).
- Table 13: Potential Threatened and Priority Ecological Communities located within 30km of the survey area and likelihood of occurrence analysis (post survey).
- Table 14: Potential conservation significant fauna located within 30km of the survey area and likelihood of occurrence analysis (post survey).
- Table 15: Conservation code definitions for flora and fauna as listed as Threatened or specially protected.
- Table 16: Conservation code definitions for flora and fauna as listed as Priority.
- Table 17: Conservation code definitions for ecological communities listed as Threatened (TEC).
- Table 18: Conservation code definitions for ecological communities listed as Priority (PEC).
- Table 19: Condition Rating Scale (adapted from Keighery 1994) outlined in EPA (2016a).
- Table 20: Flora Species List recorded within survey area.
- Table 21: Fauna species recorded within survey area.

#### LIST OF FIGURES

- Figure 1: Survey Area Locality
- Figure 2: Temperature and Rainfall Data for Esperance BoM Weather Station No. 009789.
- Figure 3: Desktop Flora & TEC/PEC Data (DBCA, 2021a; DBCA, 2021b).
- Figure 4: Desktop Fauna Data (DBCA, 2022c).
- Figure 5: Vegetation Unit 1: Nuyflo and Lamine SL present within the survey area.
- Figure 6: Vegetation Unit 2: Invasive Grassland and Shrubland present within the survey area
- Figure 7: Vegetation Units & Condition.
- Figure 9: Photos of Astartea reticulata within the survey area.
- Figure 10: Regional distribution of Astartea reticulata a) AVH, n.d. and b) WAH, 1998 -
- Figure 10: Photographs of evidence of fauna presence within the survey area.
- Figure 11: Photographs of fauna habitat within the survey area.
- Figure 12: Fauna & Fauna Habitat Observed
- Figure 14: Desktop Historical Vegetation
- Figure 15: Environmental Risk Assessment Maps
- Figure 16: Survey Effort

#### **APPENDICES**

- Appendix A Survey Findings Mapping
- Appendix B Conservation Significant Values Likelihood of Occurrence Analysis
- Appendix C Conservation Status Definitions and Condition Scale
- Appendix D Species Lists and Relevé Data
- Appendix E Threatened and Reporting Forms
- Appendix F NatureMap and EPBC Act PMST reports



#### **Executive Summary**

Arc Infrastructure ("the client") commissioned Bio Diverse Solutions as Environmental Consultants to undertake a spring reconnaissance flora and vegetation survey and a basic (previously reconnaissance) fauna assessment of a total of 2.704ha along Railway Line 51 from Meat Works to Paterson Road in the Shire of Esperance. Specifically, this was located along Railway Kilometre (KM) marking 371.87 – 372.95. This corresponded with Site 13 of the 2022 scope of works programme, as instructed by Arc Infrastructure. The reconnaissance survey was required to assess the impact on areas of native vegetation proposed to be cleared for a construction and maintenance project along the railway line. An environmental risk assessment was completed following the commission of the biological survey, to identify where clearing permits or further environmental approvals were required. Some areas within the survey area were assessed as not being exempt, and requires a clearing permit. A finalised report was submitted to Arc Infrastructure for review prior to approval for submission to DWER, as supporting information for a clearing permit application.

Two native vegetation units were recorded during the survey, namely vegetation unit 1: *Nuytsia floribunda* and *Lambertia inermis* Shrubland and 2: Invasive Grassland and Shrubland. The vast majority of the survey area had been historically cleared, with 1.251ha of bare ground present. The condition of native vegetation ranged from Very Good to Completely Degraded, with degradation occurring primarily from historical clearing and presence of invasive species. Floristic diversity was relatively high, with 150 flora species recorded, consisting of 128 native species and 22 introduced species. A single Priority flora species was detected, P3 *Astartea reticulata*. Due to not being recognised in the field as Priority flora, the population and subsequent impact was not quantified. Additionally, the Threatened (TEC) / Priority (PEC) ecological community 'Proteaceae Dominated Kwongkan Shrublands of the South-east Coastal Floristic Region (Kwongkan)' was detected within vegetation unit 1: Nuyflo and Lamine SL. A total of 0.71ha of Kwongkan TEC/PEC was present.

During the survey period a total of 23 taxa were recorded; 15 birds, four mammals, two reptiles and two invertebrates. Quenda (*Isoodon fusciventer*, P4), was determined to be present within the survey area through the observation of runnels within vegetation unit 1: Nuyflo and Lamine SL. This vegetation unit also provides marginally suitable habitat for three other mammal species being, western mouse (*Pseudomys occidentalis*, EN), heath mouse (*Pseudomys shortridgei*, VU) and dibbler (*Parantechinus apicalis*, EN). Although there is suitable habitat within the survey area, the vegetation immediately adjacent to the survey area is likely to hold more value for these species as it appears to be more intact, and continuous in nature. The clearing of this vegetation is unlikely to significantly impact their ability to move throughout the immediate landscape.

There is suitable habitat present for three conservation bird taxa and one reptile including: fork-tailed swift (*Apus pacificus*, MI), Carnaby's Cockatoo (*Calyptorhynchus latirostris*, EN), letter-winged kite (*Elanus scriptus*, P4) and pygmy dugite (*Pseudonaja affinis* subsp. *tanneri*). Habitat for the fork-tailed swift, letter-winged kite and pygmy dugite occurs across the survey area within vegetation units 1: Nuyflo and Lamine SL, and 2: Invasive Grassland and Shrubland.

There is suitable foraging habitat present within vegetation unit 1: Nuyflo and Lamine SL, and some scattered feed species within vegetation unit 2: Invasive Grassland and Shrubland for Carnaby's Cockatoo. As no signs of foraging were observed across the survey period, this indicates the area is likely to be opportunistically used by transient individuals and is not a favoured feeding site. Similarly, to the above-mentioned mammal taxa, the adjacent vegetation anecdotally appears to contain suitable foraging habitat value for Carnaby's Cockatoo. The continuous nature of the surrounding vegetation is therefore likely to provide more significant foraging habitat for this species. As the mapped foraging habitat within the survey area is <1 ha (approximately 0.637 ha which is 44.09% of mapped vegetation), it is unlikely that works at this location alone would need to be referred for assessment under the *EPBC Act*. However, the accumulative total and potential impact across the entire Esperance Branch Line project should be taken into consideration.

Al005-003 7 June 2022 1



#### 1. Introduction, Scope and Background Information

Arc Infrastructure ("the client") commissioned Bio Diverse Solutions as Environmental Consultants to conduct a spring reconnaissance flora and vegetation survey and a basic (previously reconnaissance) fauna assessment of a total of 2.704ha along Railway Line 51, from Meat Works to Paterson Road in the Shire of Esperance. This specifically occurred long Railway Kilometre (KM) marking 371.87 – 372.95. The total 2.704ha consists of five separate 'areas' or zones (laydown areas) and stretches a total distance of 1.09km along an existing service road for the railway line. Laydown areas range from 0.099 to 0.179ha. The scope of works included:

- Desktop assessment of the survey area, including all publicly available and Department of Biodiversity, Conservation
  and Attractions (DBCA) database searches for Threatened flora, vegetation communities and Threatened fauna
  data;
- A spring reconnaissance flora and vegetation survey across survey area to identify vegetation units, condition, possible ecological communities and conservation significant flora habitat;
- Identification of flora species, including herbarium identification if required;
- Basic fauna survey to map fauna habitat in the area, identify areas likely to provide habitat for conservation significant species and opportunistic sampling of fauna species (including conservation significant);
- GPS and map any populations of Threatened species (if applicable);
- GIS mapping of vegetation units present and their condition;
- GIS mapping of fauna habitat;
- Prepare a report on survey outcomes; and
- Provide the client with the IBSA Data package (as required to be submitted by the client).

#### 1.1. Location and Development Proposal

The 'survey area' is defined as the total area being surveyed, consisting of two areas located along Line 51 (371.87-372.95km) from Meat Works to Paterson Road, in the Shire of Esperance. The areas surveyed were 0.69ha and 1.14ha, the total length of the survey area is approximately 1.09km (Figure 1). These areas have been earmarked by Arc Infrastructure for clearing as part of the required upgrades and ongoing maintenance of the railway track. Specifically, the survey area correlates with a portion of Site 13 of the 2022 Scope of Works for Arc Infrastructure (Tanna, 2021).

The 'study area' consists of the 30km radius around the survey area, used for indications of likelihood of occurrence for Threatened or Priority flora, fauna and ecological communities. It provides a broader context for assessment of the survey area.

The survey area consists mostly of remnant vegetation, located within the cadastral boundary of the Arc Infrastructure managed railway line. Some areas within the survey area are already cleared for the purpose of a maintenance access track or part of existing lay down areas. The surrounding area is dominated by agricultural private properties to the north, east, south and west. A number of areas consisting of intact, remnant vegetation are present adjacent to the survey area.

Following the commission of a biological survey, an environmental risk assessment was completed in tandem with Arc Infrastructure Project Team and Kathryn Kinnear (Principle Environmental Consultant) of Bio Diverse Solutions. This identified within Arc Infrastructure's Site 13 (2022 Scope of Works) the operational footprint of construction works required a clearing permit or further environmental approvals. The risk assessment categorised operational space into a 'traffic light' system, as outlined below:

- a) Red further biological surveys or other surveys required;
- b) Yellow clearing permit to be applied for in 2022 (pending application submission to DWER, no CPS number currently assigned); and
- c) Green valid exemptions apply or 'Cleared' areas with no native vegetation remaining.

The environmental risk assessment that corresponds with the survey area is outlined in Figure 15 (Appendix A), illustrating how large areas within the survey area were considered previously cleared or exempt from a clearing permit. A linear corridor on the eastern side of the railway and one laydown area for storage of machinery and construction materials were identified as 'yellow' and a clearing permit will be applied for specifically these areas. This reconnaissance flora and vegetation and

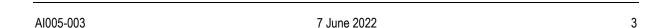


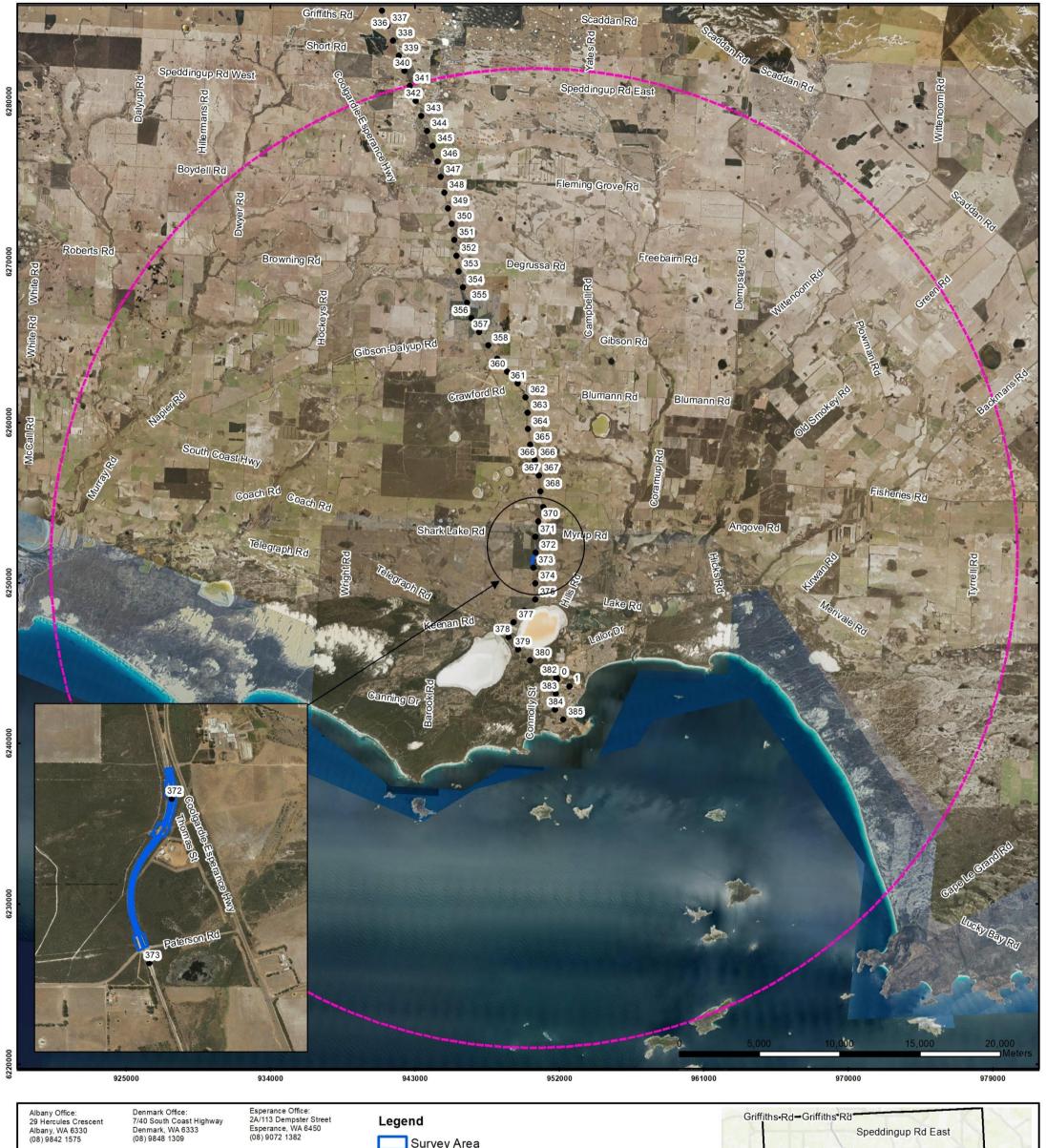
basic fauna survey provides base-line data for the approval of this clearing permit and generalised environmental data for Arc Infrastructure.

#### 1.2. Alignment to Legislation, Guidelines and Policies

This survey and subsequent report are aligned to the following legislation, guidelines and policies:

- Environmental Protection and Biodiversity Conservation Act 1999 (EP Act). Administered by the Australian Government of Department of Agriculture, Water and Environment (DAWE);
- Biodiversity Conservation Act 2016 (BC Act). Administered by the Western Australian Department of Biodiversity, Conservation and Attractions (DBCA);
- Environmental Protection Act 1986 (EP Act). Administered by the Western Australian Department of Water and Environmental Regulations;
- Biosecurity and Agriculture Management Act 2007 (BAM Act);
- EPA (2016) Technical Guidance Flora and Vegetation Surveys for Environmental Impact Assessment;
- EPA (2020) Technical Guidance Terrestrial Vertebrate Fauna Surveys for Environmental Impact;
- CoA (2013) Draft Survey guidelines for Australia's Threatened Orchids;
- DEWHA (2010) Survey Guidelines for Australia's Threatened Birds;
- DSEWPaC (2011) Survey Guidelines for Australia's Threatened Mammals; and
- DSEWPaC (2012) Referral Guidelines for Three Threatened Black Cockatoo Species.





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Scale 1:225,000@ A3 GDA MGA 94 Zone 51



CLIENT Arc Infrastructure Line 51 (371.87-372.95km) Esperance to Gibson Section 4 Meat Works to Paterson Road Monjingup, WA 6448

### Figure 1: Survey Area Locality.

|                 | QA Check<br><b>MLH</b> | Drawn by BMT |
|-----------------|------------------------|--------------|
| STATUS<br>FINAL | AI005-004              | 20/04/2022   |

Survey Area

30km Study Area Buffer

Rail Kilometer Points



Overview Map Scale 1:1,250,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Western Australia 2017
Overview Map: World Topographic map service, ESRI



#### 1.3. Geology and soils

Database searches shows the survey area lies within the Esperance System (245Es). The Esperance System is described as "Level to gently undulating mid-level plain with poor external drainage. Incised by river valleys (mapped as Young System). The southern boundary is defined by a low escarpment which forms a boundary to the Gore System below." (DPIRD, 2021).

Database searches shows the survey area lies within the Esperance Sandplain Zone. The Esperance Sandplain Zone is described as "Level to gently undulating plain dissected by a number of short rivers flowing south. Formed on Eocene marine sediments overlying Proterozoic granitic and metamorphic rocks. Soils are grey fine sandy duplex soils and fine sands." (DPIRD, 2018a). The soil type within the application area is mapped as the Esperance 2E3b Phase (245Es\_2E3b). The Esperance 2E3b Phase is described as "Deep uniform sand, Podzol > 80 cm (Corinup), Uc2.22, on gently undulating plain, 1-3% slope" (DPIRD, 2019a).

#### 1.4. Climate

The closest Bureau of Meteorology (BoM) site is Esperance Aero (009542). The average annual temperature ranges from 11.3 – 22.3 °C. The average summer temperature ranges between 13.4-27.9 °C, whilst average winter temperatures range between 7.6-17.4 °C. The annual mean rainfall is 569 mm (BoM, 2022). On average the months of May – September are the months with the highest rainfall (Figure 2). There was higher than average rainfall recorded in the months of April, May, June and October 2021, and in November 2020 (Figure 2). The total rainfall in the year previous to the survey (November 2020 – October 2021) was 646.4mm which is 77.4 mm above average and equates to 13.60% increase in average rainfall.

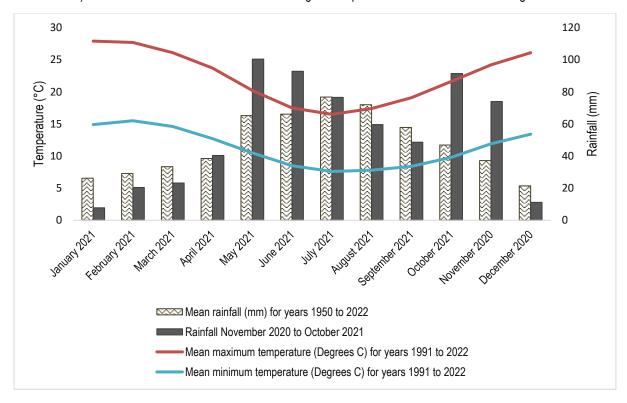


Figure 2: Temperature and Rainfall Data for Esperance BoM Weather Station No. 009789.

#### 1.5. Habitat Connectivity

There are small areas of intact remnant vegetation located within private property, unallocated crown land (UCL) to the west, and east, and Reserve 27681 to the north of the survey area (Table 1). Unconstructed road reserves are also immediately adjacent to the survey area to the east and west. There is remnant vegetation located along the railway line itself which extends out into the broader Esperance area. In a regional context these larger areas of remnant vegetation are connected through smaller interconnecting patches within the surrounding agricultural landscape.

Al005-004 7 June 2022 5



Table 1: Reserve Details (GoWA, 2022).

| Reserve Number | Responsible Agency | Current Purpose           |
|----------------|--------------------|---------------------------|
| 27681          | Water Corporation  | Waste Water Disposal Site |

#### 1.6. Water and Wetlands

The survey area does not lie within any Public Drinking Water Source areas (DWER, 2020a). The survey area lies within the Esperance Sandplain (HZ25\_ES) Hydrological Zone (DPIRD, 2018b). The Esperance Sandplain zone is described as "Level to gently undulating plain dissected by a number of short rivers flowing south. Formed on Eocene marine sediments overlying Proterozoic granitic and metamorphic rocks. Soils are grey fine sandy duplex soils and fine sands" (DPIRD, 2018b). The survey area lies within the Esperance Coast Basin and Bandy Creek Hydrographic Catchment (DWER, 2018a) and within the Bandy Harbour Hydrographic Subcatchment (DWER, 2018b).

No RAMSAR wetlands, or significant wetlands are located within the survey area. However, the desktop survey did identify that the Lake Gore RAMSAR wetland is ~30km west and the Lake Warden RAMSAR system is ~3km to the south of the survey area (DAWE, 2021). The survey area is not present within the catchment of Lake Gore RAMSAR system. However, it is located within the catchment of Lake Warden RAMSAR system (DBCA, 2017a).

No vegetation units present had a significant relationship with a specific hydrological system or ecological indicators consisting of riparian vegetation.

#### 1.7. Environmentally Sensitive Areas

The survey area does not contain any DWER listed Environmentally Sensitive Areas (ESA; DWER, 2020b), but is located within Arc Infrastructure's internal ESA system.

#### 1.8. Remnant Vegetation

The survey area lies within the Esperance Plains (ESP) Bioregion and Recherche (ESP02) subregion. Comer et al (2001) describes the Esperance bioregion as "characterised by proteaceous scrub and mallee heaths on sandplain overlying Eocene sediments; rich in endemics. Herbfields and heaths (rich in endemics) on abrupt granite and quartzite ranges that rise from the plain. Eucalypt woodlands occur in gullies and alluvial foot-slopes. ESP2 Subregion has variable relief, comprising the Quaternary coastal sandplains and dunes overlying Proterozoic gneiss and granite as well as Eocene and more recent coastal limestones. Numerous granitic islands occur in the near shore area of this subregion. Vegetation comprises heath, coastal dune scrub, mallee, mallee-heath and granite heath."

The vegetation has been mapped on a broad scale by J.S. Beard (Shepherd *et al.* 2002) in the 1970's, where a system was devised for state-wide mapping and vegetation classification based on geographic, geological, soil, climate structure, life form and vegetation characteristics (Sandiford and Barrett, 2010). Vegetation units were regarded as associations and were grouped into vegetation systems representing a particular pattern of association distribution within a given area. A GIS search of J.S. Beards (Beard *et al.* 2013) vegetation classification places the survey area within one system and vegetation association (DPIRD, 2019b) Refer to 14 in Appendix A:

- System Association Name: Esperance.
- Vegetation Association Number: 6048.
- Structure Description: Scrub-heath.
- Floristic Description: Mixed heath with scattered tall shrubs Acacia spp., Proteaceae and Myrtaceae.
- Remnant Vegetation by Beard Association Rarity in LGA: 14.21% remaining (GoWA, 2019).
- Remnant Vegetation by Beard Association Rarity in IBRA Region: 14.16% remaining (GoWA, 2019).

#### 1.9. Heritage

The survey area is located within a 'Other Heritage Places' area (DPLH, 2022), specifically ID 1644 'Bukenerup Road', and is located within the Wudjari Nyungar nation. It is recognised that there has been a large scale of loss of cultural knowledge and information, and the survey area may contain additional heritage values that are not recognised through DPLH (2022).



#### 2. Methodology - Desktop Assessment

#### 2.1. Flora and Vegetation

Desktop inventory of potential conservation significant flora species likely to occur within 30 km of the survey area was undertaken using the following databases:

- 30 km Nature Map Database Search (combined data from DBCA, WA Museum and WA Herbarium; DBCA, 2007-; WAH 1998-);
- 30 km Protected matters search tool (DAWE 2021);
- 30 km Flora DBCA database records (DBCA, 2021a); and
- 30 km TEC/PEC DBCA database records (DBCA, 2021b).

The conservation significance of flora species has been assessed using data from the following sources:

- Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). Administered by the Australian Government Department of Agriculture, Water and the Environment (DAWE);
- Biodiversity Conservation Act 2016 (BC Act). Administered by the Western Australian Department of Biodiversity Conservation and Attractions (DBCA);
- DBCA Priority and Threatened ecological community list (DBCA, 2021d). A non-legislative list maintained by DBCA for management purposes; and
- DBCA Priority Flora list. A non-legislative list maintained by DBCA for management purposes.

#### 2.2. Fauna

A desktop inventory of conservation significant fauna species known to occur within 30 km of the survey area was undertaken using the following databases:

- 30 km Nature Map Database Search (combined data from DBCA, WA Museum and WA Herbarium; DBCA, 2007; WAH, 1998-);
- 30 km Protected matters search tool (DAWE, 2020); and
- 30 km Fauna DBCA database records (DBCA, 2021c).

The conservation significance of fauna species has been assessed using data from the following sources:

- Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). Administered by the Australian Government Department of Agriculture, Water and the Environment (DAWE); and
- Biodiversity Conservation Act 2016 (BC Act). Administered by the Western Australian Department of Biodiversity Conservation and Attractions (DBCA).

Desktop assessment for the Black Cockatoo habitat consisted of reviewing DBCA locational records and a range of publicly available datasets relevant to Black Cockatoo breeding, roosting and foraging areas. These included:

- Carnaby's Cockatoo Confirmed (DBCA 050) and Unconfirmed Roost Sites (DBCA 051; DBCA, 2018c).
- Carnaby's Cockatoo Confirmed (DBCA\_52) and Unconfirmed Roost Sites Buffered 6km (DBCA-053; DBCA, 2018e).
- Carnaby's Cockatoo Confirmed Breeding Areas within the Swan Coastal Plain and Jarrah Forest IBRA Regions DBCA 054 (DBCA, 2018f).
- Carnaby's Cockatoo Unconfirmed Breeding Areas within the Swan Coastal Plain and Jarrah Forest IBRA Regions (DBCA-055; DBCA, 2018g).
- Black Cockatoo Breeding Sites Buffered DBCA 063 (DBCA, 2019a).
- Black Cockatoo Roosting Sites Buffered DBCA\_064 (DBCA, 2019b).



#### 3. Methodology – Field Survey

#### 3.1. Flora and Vegetation

The aim of this survey was to provide context and gather knowledge of the survey area. This type of survey aims to verify the desktop information obtained, and to characterise the flora and vegetation units present within the survey area.

A spring reconnaissance level flora and vegetation survey was undertaken by Katie White (Botanist) of Bio Diverse Solutions on the 4<sup>th</sup> of October 2021, with a following visit on the 12<sup>th</sup> of November 2021, supported by Kimberly Jenkins (Technical Assistant) of Bio Diverse Solutions. The survey area was surveyed on foot using traverses and relevés. The intent of the traverses was to identify and map the different vegetation units, their condition category and to undertake more intensive targeted surveys within suitable habitat for conservation significant species.

Three relevés were systematically surveyed within representative vegetation units to enable thorough recording of species occurrence and representative vegetation descriptions (Appendix D) used to describe the composition and structure of vegetation units present. A risk assessment was completed following the 4th of October field survey on vegetation units likely to meet Kwongkan TEC / PEC criteria (Table 6, Section 4.2; DoE, 2015b), namely vegetation unit 1: Nuyflo and Lamine SL (Section 5.6). Two quadrats were systematically sampled within a "laydown" area, with photos and GPS coordinates recorded on the south-western corners.

The flora was systematically recorded within the relevés and quadrats, with collections of plant specimens made where further identification was required, using Katie White's Regulation 60 Flora Taking Licence FTB62000237. For species that were not flowering and where foliage or nuts / fruit couldn't be used for identification, potential habitat was used as an indication of the likelihood of species occurrence. The vegetation units occurring within the survey area were mapped and described using opportunistic mapping, relevés and quadrats. Vegetation units were described based on structure, dominant taxa and cover characteristics as defined by relevé data and field observations, in accordance with Muirs (1977) and NVIS Level 5 (sub-association; DoEE, 2017) description methods.

Information collected within each relevé and quadrat included:

- Location: coordinates of the relevé using a handheld GPS unit.
- Date and site code.
- Site description: landform, slope, soil colour and type and hydrology.
- Vegetation description: dominant and non-dominant species present within the different growth forms and percentage cover.
- · Vegetation condition.

#### 3.2. Flora and Vegetation Survey Limitations and Constraints

An assessment of potential survey limitations was undertaken as per the EPA (2016) document *Technical Guidance Flora* and *Vegetation Surveys for Environmental Impact Assessment* refer to Table 2 below. Minor limitations were present, relating to two species flowering outside the spring season, namely P2 *Hibbertia turleyae* and P3 *Styphelia rotundifolia*, a lack of information for undescribed species and survey intensity for capturing orchid species 'Likely' or 'Possible' to occur (CoA, 2013). A major limitation was present for detection of P1 *Lobelia archeri*, being a fire ephemeral responding species. However, this cannot be overcome with further surveys.

Table 2: Flora and Vegetation Survey Limitations and Constraints.

| Limitation              | Significance of limitation | Comment                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Experience of personnel | Nil                        | Katie White has over 5 years' experience at conducting targeted, reconnaissance and detailed flora surveys within the Esperance sandplains bioregion and is competent in taxonomic identification and assessment of vegetation in the area. Additionally, she has conducted targeted flora surveys and worked alongside the DBCA Flora Conservation Officer for a large number of flora species listed on the desktop assessment. |



#### Table 2 continued.

| Limitation                             | Significance of limitation | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                        |                            | Kimberly Jenkins has 10 years' experience of working various technical assistant, field survey, education and other scientific roles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Experience of personnel                | Nil                        | A single species of bryoflora was identified within the desktop assessment (Table 12, Appendix B), namely P2 <i>Fabronia hampeana</i> . This is outside the expertise of surveyors. However, a risk assessment was completed on suitable habitat present and was determined to be 'Unlikely' to occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Survey timing                          | Minor                      | The client requested a spring flora and vegetation survey, consistent with peak flowering times for the majority of species in the area. Timing of survey occurred over two incidents, 4th of October and 12th of November. The November survey detected late-flowering spring species.  Three species identified in the desktop assessment (Table 12, Appendix B) as 'Likely' or 'Possible' to occur were flowering immediately prior (September) or immediately after (December) the surveys were conducted. It is likely that early or late buds or blooms were present. However, it may represent a minor limitation.  Two species, namely P2 Hibbertia turleyae and P3 Styphelia rotundifolia, were identified as 'Possible' to occur in the Likelihood of Occurrence (LOO) assessment. They were recorded flowering outside of the spring season, which may represent a minor limitation as there is a possibility of detection without flowering. |  |
|                                        |                            | No access restrictions were encountered during the survey.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Access restrictions                    | Nil                        | It is noted that vegetation present was highly dense Shrubland, which often made traversing through challenging. It also obscured site distance for smaller herbs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Availability of contextual information | Minor                      | Publicly available desktop and background information was readily available to give a broad contextual understanding of the site. Database searches were conducted through DBCA (DBCA, 2021a; DBCA, 2021b) providing a more comprehensive context. However, it must be noted that the Esperance area is highly understudied.  Four species were identified in the desktop assessment (Table 12, Appendix B) as 'Possible' to occur with very limited information present taxonomically. This primarily related to undescribed, informal phrase names, such as P1 Baeckia sp. Gibson (K.R. Newbey 11084), Leucopogon sp. Lake Magenta (K.R. Newbey 3387), and Schoenus sp. Grey Rhizome (K.L. Wilson 2922); or species with extreme niche abiotic requirements, such as being a fire ephemeral, namely P1 Lobelia archeri. Cautionary principles were applied for any species within these genera during identification.                                  |  |



#### Table 2 continued.

| Limitation                                 | Significance of limitation                                          | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|--------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Survey effort and extent                   | Minor                                                               | 150 species were identified during the survey, and three relevé and three quadrat data sets collected to gain as complete a picture as possible of flora species present at the site.  Following the CoA (2013) Draft Survey guidelines for Australia's Threatened Orchids, it is recognised that due to the complex nature of Orchid phenology and physiology, more intensive survey transects and surveys over multiple time periods may be required. Two Orchid species were identified within the desktop assessment as 'Likely' to occur, namely P2 Paracaleana parvula and P3 Pterostylis faceta. Whilst the survey intensity was appropriate at a reconnaissance level (EPA, 2016), it was recognised that it likely did not meet requirements for sampling Orchids (CoA, 2013), which may represent a minor limitation. |  |  |
| Disturbances<br>that may affect<br>results | Nil<br>Major – Fire ephemeral<br>species, P1 <i>Lobelia archeri</i> | The primary form of disturbance was the presence of access tracks adjacent to the railway line that were effectively cleared.  No fires had previously occurred and the native vegetation showed indications of being long unburnt (density of leaf litter, age and height of obligate seeders, height of Mallee re-sprouters). This is a significant limitation for P1 <i>Lobelia archeri</i> , identified as 'Possible' in the Likelihood of Occurrence (LOO) assessment. It is therefore possible to be present through viable soil seed bank, but would not have been captured through this survey.                                                                                                                                                                                                                         |  |  |
| Identification issues                      | Nil                                                                 | The survey was undertaken on 4th of October and 12th of November, during the peak flowering period for many great southern flora species to maximise ease of identifying them. However, given that not all flora species flower during this time some species will be more difficult to observe in the field than others.  Of the 150 species present within the survey area, the vast majority contained sufficient taxonomic information for identification (such as nuts, fruit, leaf structure or flowers). It is estimated that 70-75% of species present were flowering.  Two species could not be identified, comprising of a grass and Cassytha species. These bore no similarities to species identified as 'Likely' or 'Possible' to occur in the Likelihood of Occurrence (LOO) assessment.                          |  |  |

#### 3.3. Basic Fauna Survey Methodology

Field survey work was carried out by Bianca Theyer (Senior Ecologist) on the 4th October 2021, and 24th November 2021 with assistance from Dr. Karlene Bain (Senior Zoologist / Wildlife Ecologist) in accordance with Guidance Statement 56: *Terrestrial Fauna Surveys* (EPA 2020).

Fauna surveys were carried out on foot using traverses and targeted survey techniques consistent with the following documents developed by the EPA and Department of Agriculture, Water and the Environment (DAWE) formerly the Department of Sustainability, Water, Population, and Communities (DSEWPaC) and Department of the Environment, Water, Heritage and the Arts (DEWHA):

- EPA (2020) Technical Guidance Terrestrial vertebrate fauna surveys for environmental impact assessment;
- DEWHA (2010) Survey guidelines for Australia's Threatened birds;
- DSEWPaC (2011) Survey guidelines for Australia's Threatened mammals; and



DSEWPaC (2012) Referral Guidelines for Three Threatened Black Cockatoo Species.

The vegetation units described in Section 5.2 broadly define habitat types across the survey area. The aim of the basic fauna survey was to assess and map the fauna habitat within the survey area, assess the likelihood of conservation fauna species utilising the general area and/or particular vegetation units, record the actual presence of conservation fauna taxa, and undertake an opportunistic inventory of vertebrate species encountered whilst traversing the survey area on foot.

#### 3.4. Targeted Black Cockatoo Habitat Assessment

Carnaby's Cockatoo have a wide-spread distribution across Western Australia extending from Kalbarri and Geraldton in the northwest of the state, inland to Morawa, Dowerin and Merredin and to the east of Esperance (DSEWPaC, 2012). The survey area lies within the known foraging range of the Carnaby's Cockatoo, but is outside of the modelled predicted breeding area (DSEWPaC, 2012).

Baudin's Cockatoo is most commonly found in forested areas, but is also found in the open agricultural areas within the southwest (DEC, 2008). The survey area falls outside the known distribution area for Baudin's Cockatoo, which extends from Mundaring south to Kojonup and Albany, and inland to the Stirling Ranges (DEC, 2008; DSEWPaC, 2012). Based on modelled predicted breeding areas contained within the guidelines (DSEWPaC, 2012), the survey area does not lie within the breeding distribution for this species.

Forest Red-tailed Black Cockatoo occur within the south-west humid and sub-humid zones of Western Australia, in the dense Jarrah, Karri and Marri forests that receive more than an average of 600mm annual rainfall (DEC, 2008). Their distribution extends from Perth, east to Wundowie and south through to Narrogin, Kojonup, Cranbrook and Albany (DSEWPaC, 2012). The survey area is not located within the known distribution for this species (DSEWPaC, 2012).

Cockatoo surveys targeted Carnaby's Cockatoo and potential habitat for this species, and consisted of a systematic traverse-based assessment of hollow-bearing trees, foraging habitat, feeding activity and roosting sites as described in sections 3.4.1-3.4.3.

#### 3.4.1 Surveys for Breeding Hollows

Carnaby's Cockatoo breed within the inland parts of its distribution, in areas with 300-750 mm annual average rainfall (DPaW, 2013). This breeding range has expanded in recent years to extend further south into Jarrah-Marri forests and the coastal Tuart forests south of Perth (Johnstone and Storr 1998; Johnstone *et al.* 2011). Although the survey area does not fall within the modelled predicted breeding area, there is potential for suitable breeding habitat to be present, and as such an assessment of all trees onsite was undertaken.

The aim of the black cockatoo habitat assessment was to identify all potential breeding trees (refer to Table 3) with a diameter, measured at 1.5 m from the base of the tree, of 500 millimetres or greater and that contained one or more hollows of potential suitability for breeding by Carnaby's Cockatoo. These trees are referred to hereafter as significant trees.

If present, significant trees were GPS located, the diameter of the tree measured at breast height (1.5 m above the ground; DBH) using a diameter tape, photographed, and the presence or absence of potential breeding hollows determined. Where present, hollows were photographed, the entrance type (chimney, side or elbow) and dimensions of the hollow were recorded and hollows were assessed for signs of use by cockatoos, based on evidence such as chewing around the hollow entrance, and activity at the base of the tree, e.g., feathers, faecal material, feeding debris.

Long term studies on Carnaby's Cockatoos have shown that they utilise tree hollows ranging from 100 mm – 650 mm (average 260 mm) in diameter and a hollow with a depth more than 300 mm (Saunders *et al.* 2014a, 2014b). Based on this information, hollows with an entrance diameter larger than 100 mm x 100 mm that occurred in branches or trunks with the capacity for deep hollows were recorded as potential cockatoo breeding hollows. Smaller hollows with the potential to develop into suitable nesting hollows were also recorded.

#### 3.4.2 Surveys for Foraging Habitat and Feeding Activity

The EPBC Guidelines for Black Cockatoos (DSEWPaC, 2012) outline general criteria for identifying foraging habitat for black cockatoos (Table 3) but do not provide detailed criteria for assessing quality. In this instance, the quantity of feeding evidence, overall health of trees (dead, presence of disease), presence of fruiting material, and diversity of known foraging species was



taken into account when assessing the quality of foraging habitat. Vegetation units that do not contain known foraging species were not considered to contain foraging habitat.

Assessment of foraging habitat was based on published ecological information for Carnaby's Cockatoo, which documents that this species prefers Kwongkan heathland, shrublands and woodlands dominated by Proteaceous species as foraging habitat but will feed on individual Eucalypts and small stands of Eucalypt woodland or forest (Table 3). The presence of foraging habitat was mapped in the field, and individual locations where feeding activity was encountered were GPS'd.

#### 3.4.3 Surveys for Roosting Habitat

There is currently an absence of criteria within the EPBC Guidelines (DSEWPaC, 2012) for assessing roosting habitat. In this survey, the presence of cockatoo feathers and faecal material were used as indicators of roosting activity.

The presence of roosting habitat if present was mapped in the field, and individual locations where roosting activity was encountered were GPS'd.

Table 3 Habitats used by Carnaby's Cockatoo (DSEWPaC, 2012).

| Habitat                           | Carnaby's Cockatoo                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Breeding                          | Generally, in woodland or forest, but also breeds in former woodland or forest now present as isolated trees. Nest in hollows in live or dead trees of salmon gum ( <i>E. salmonophloia</i> ), wandoo, tuart, jarrah ( <i>E. marginata</i> ), flooded gum ( <i>E. rudis</i> ), york gum ( <i>E. loxophleba</i> subsp. <i>loxophleba</i> ), powder bark ( <i>E. accedens</i> ), karri and marri.                    |  |
| Roosting                          | Generally, in or near riparian environments or natural and artificial permanent water sources. Flat-topped yate ( <i>E. occidentalis</i> ), salmon gum, wandoo, marri, karri, blackbutt, tuart, introduced eucalypts (for example blue gum) and introduced Pines.                                                                                                                                                  |  |
| Foraging                          | Native shrubland, Kwongkan heathland and woodland dominated by Proteaceous plant species such as <i>Banksia</i> spp. (including <i>Dryandra</i> spp.), <i>Hakea</i> spp. and <i>Grevillea</i> spp. Forages in Pine plantations ( <i>Pinus</i> spp.), eucalypt woodland and forest that contains foraging species. Also, individual trees and small stands of these species.                                        |  |
| Foraging:<br>common food<br>items | Seeds, flowers and nectar of native Proteaceous plant species (for example, <i>Banksia</i> spp., <i>Hakea</i> spp., <i>Dryandra</i> spp., and <i>Grevillea</i> spp.), eucalypts and Callistemon. Also seeds of introduced species including <i>Pinus</i> spp., <i>Erodium</i> spp., wild radish, canola, almonds and pecan nuts; insects and insect larvae; occasionally flesh and juice of apples and persimmons. |  |

#### 3.5. Fauna Survey Limitations and Constraints

An assessment of potential survey limitations was undertaken as per the EPA (2020) document *Technical Guidance Fauna Surveys for Environmental Impact Assessment* refer to Table 4.

Table 4: Fauna survey limitations and constraints.

| Limitation                                 | Constraint | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope                                      | Nil        | The scope was a basic fauna survey to generally assess the presence / evidence of fauna species within the survey area, map the fauna habitat, undertake opportunistic inventory of species including Threatened and Priority listed and other conservation-significant species.                                                                                                                                                                                                                                                                                                         |
| Disturbances<br>that may affect<br>results | Nil        | No recent disturbances which may affect results of the survey were identified, e.g., recent fire or grazing. Historical and ongoing disturbances from the existing operational activities along the railway line may impact the presence of fauna within the survey area. However, given these disturbances are long-term and continuous, they are unlikely to have resulted in a significant limitation on detection probability or species occurrence during the survey period (i.e., activities would result in some fauna moving away / not utilising the survey area at all times). |



#### Table 4 continued.

| Limitation                                                                                                             | Constraint | Comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Intensity of survey                                                                                                    | Nil        | The intensity of the basic fauna survey and targeted components of the survey were deemed appropriate given the scope.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Sources of information (recent or historic) and availability of contextual information                                 |            | Publicly available desktop, background and ecological data were readily available to provide a contextual understanding for the site and the survey. DBCA data were also acquired (not publicly available) to provide a more detailed understanding of potential conservation significant fauna in the survey area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Remoteness or access issues                                                                                            | Nil        | No access restrictions were encountered.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Species detection probability (e.g., as a result of seasonal activity, fauna movement patterns and cryptic behaviours) | Minor      | Cockatoo breeding periods affect the ability of surveys to detect breeding individuals, however assessment of the suitability of breeding habitat based on the presence of potentially suitable hollows negates this limitation. Spatiotemporal patterns of foraging and roosting by Carnaby's Cockatoo result in varied and sometimes sporadic use of some areas, which affects direct detection. The use of activity indicators such as feeding debris (nuts) and faecal material that persist onsite negate this limitation and enable determination of the regularity with which an area is visited.  Cryptic species such as the western mouse ( <i>Pseudomys occidentalis</i> , EN), heath mouse ( <i>Pseudomys shortridgei</i> , VU), dibbler ( <i>Parantechinus apicalis</i> , EN) and pygmy dugite ( <i>Pseudonaja affinis</i> subsp. <i>tanneri</i> , P4) are unlikely to have been detected within the parameters of this survey. The presence of potential habitat was used as an indication of their likelihood of occurrence, and the possible need for follow up targeted surveys.  The conclusions presented in this report are based upon field data collected over a limited period of time. The results are therefore indicative of the environmental condition of the site at the time and the survey timing. E.g., some species are more likely to use seasonally inundated areas when they are dry, transient wide-ranging species may not have been present during the survey period, some cryptic species are less detectable particularly when they are inactive. Species-level detection probabilities are dealt with in the Threatened fauna Likelihood of Occurrence (LOO) in Table 14, Appendix B. Species-level detection probabilities are dealt with in the Threatened fauna Likelihood of Occurrence (LOO) in Table 14, Appendix B. |  |
| Survey techniques                                                                                                      | Minor      | Identifying hollows from the ground has limitations, as the full characteristics of a hollow are not evident (e.g., internal dimensions such as depth). The entrance dimensions and size of the branch / trunk into which the hollow was forming were used as indicators of the potential internal dimensions. The relative visibility of the canopy can also be limiting in identifying potential hollows, particularly where hollows are upward facing or obscured by foliage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Experience of personnel                                                                                                | Nil        | Bianca Theyer has 6 years of fauna survey experience through her role at Bio Diverse Solutions and has been mentored by Dr Karlene Bain (Wildlife Ecologist) during this time. She has experience assisting other Zoologists (Bush Heritage, Australian Wildlife Conservancy and DBCA) in a voluntary capacity with fauna monitoring surveys.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |



#### Table 4 continued.

| Limitation              | Constraint | Comment                                                                                                                                                                                                                                                          |
|-------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Experience of personnel | Nil        | Dr Karlene Bain has 26 years of fauna survey experience through roles in biodiversity survey, research and management working with State Government, State Natural Resource Management groups, Regional NRM groups, Research Institutions, and Private Industry. |



#### 4. Results - Desktop Assessment

#### 4.1. Threatened and Priority Flora

The full species list compiled from all available data (Table 20, Appendix D) is based on observations from a broader area than the survey area and is likely to include species that would not occur in the actual survey area due to a lack of suitable habitat. The data also includes very old records and in some cases the species in question may have become locally or regionally extinct. Conservation categories for Threatened and Priority flora are presented in Tables 15 and 16, Appendix C. NatureMap and Protected matters search tool database searches are provided in Appendix F.

As a result of the above-mentioned database searches 6 Threatened and 59 Priority species were identified within the study area (30 km buffer). Of these, nine species were assessed to be 'Likely' and 20 species as 'Possible' to occur. Refer to Table 12, Appendix B for likelihood of occurrence (LOO) analysis. Species that have previously been recorded within a 30 km radius of the survey area are shown in Figure 3.

#### 4.2. Threatened and Priority Ecological Communities

Desktop Assessment of Threatened (TEC) or Priority (PEC) ecological communities identified two TEC/PEC, namely 'Subtropical and Temperate Coastal Saltmarsh (CSM)' and 'Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia (Kwongkan)', which are outlined in further detail below. Kwongkan was assessed as 'Likely' to occur and CSM as 'Unlikely'.

Conservation categories for Threatened and Priority ecological communities are presented in Tables 17 and 18 in Appendix C. NatureMap and Protected matters search tool database searches are provided in Appendix F.

#### **Subtropical and Temperate Coastal Saltmarsh (CSM)**

CSM is listed as a P3 PEC within WA under the *BC Act 2016* and as a Vulnerable TEC under the *EPBC Act 1999*. The community "consists of the assemblage of plants, animals and micro-organisms associated with saltmarsh in coastal regions of sub-tropical and temperate Australia (south of 23° S latitude). CSM is recognised by the below key diagnostic features and minimum condition thresholds outlined in Approved Conservation Advice Guidelines (DoE, 2015a), which are outlined further below (Table 5). Refer to Table 13, Appendix B for further information.

- Occurs south of 23°37'S latitude, from the central Mackay coast on the east coast of Australia, southerly around to Shark Bay on the west coast of Australia (26° latitude), including the Tasmanian coast and islands within the above range;
- 2. Occurs on the coastal margin, along estuaries and coastal embayment's and on low wave energy coasts;
- Occurs in places with at least some tidal connection, including rarely-inundated supratidal areas, intermittently
  opened or closed lagoons, and groundwater tidal influences, but not areas receiving only aerosol spray;
- 4. Occurs on sandy or muddy substrate and may include coastal clay pans (and the like);
- 5. Consists of dense to patchy areas of characteristic coastal saltmarsh species (i.e., salt-tolerant herbs, succulent shrubs or grasses, that may also include bare sediment as part of the mosaic); and
- 6. Proportional cover by tree canopy such as Mangroves, *Melaleucas* or *Casuarinas* is not greater than 50%, nor is proportional ground cover by seagrass greater than 50%.

Table 5: Minimum patch size analysis for CSM PEC/TEC diagnostic criteria.

| Patch size                                                                                 | Condition category          | Inclusion in community                       |
|--------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------|
| <0.1ha and occur in isolation                                                              | Patches or areas >50% weeds | <b>Do not</b> form part of the CSM TEC / PEC |
| <0.1ha patches within 30m of each other collectively forming 0.1ha, considered as a mosaic | Patches or areas <50% weeds | <b>Do</b> form part of the CSM TEC / PEC     |



The approved conservation advice, available spatial mapping for the ecological community, and description above indicates that this TEC / PEC is unlikely to occur within the survey area, being 10km away from the coastline or distinct hydrological features that would allow for tidal interaction.

# <u>Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia</u> (Kwongkan)

Kwongkan is listed as Priority 3 (P3) PEC within WA under the *BC Act 2016* and as an Endangered Threatened Ecological Community (TEC) under the *EPBC Act 1999*. The survey area lies within the southeast botanical province of Western Australia (Hopper and Gioia, 2004), which is the geographical location of Kwongkan. It is defined and assessed in the conservation advice as generally Kwongkan shrubland, ranging from sparse to dense, thicket-forming, where Proteaceous species form a significant component (DoE, 2015b). It is confined to the southeast botanical province of Western Australia (Hopper and Gioia, 2004) and primarily occurs on sandplains and marine plains and lower to upper slopes and ridges, as well as uplands across this region. Multiple other ecological communities are listed under the *BC Act 2016* also meet criteria of Kwongkan TEC and should be considered when assessing whether Kwongkan is present.

Kwongkan is recognised by the below key diagnostic features and minimum condition thresholds outlined in the Approved Conservation Advice Guidelines (DoE, 2015b):

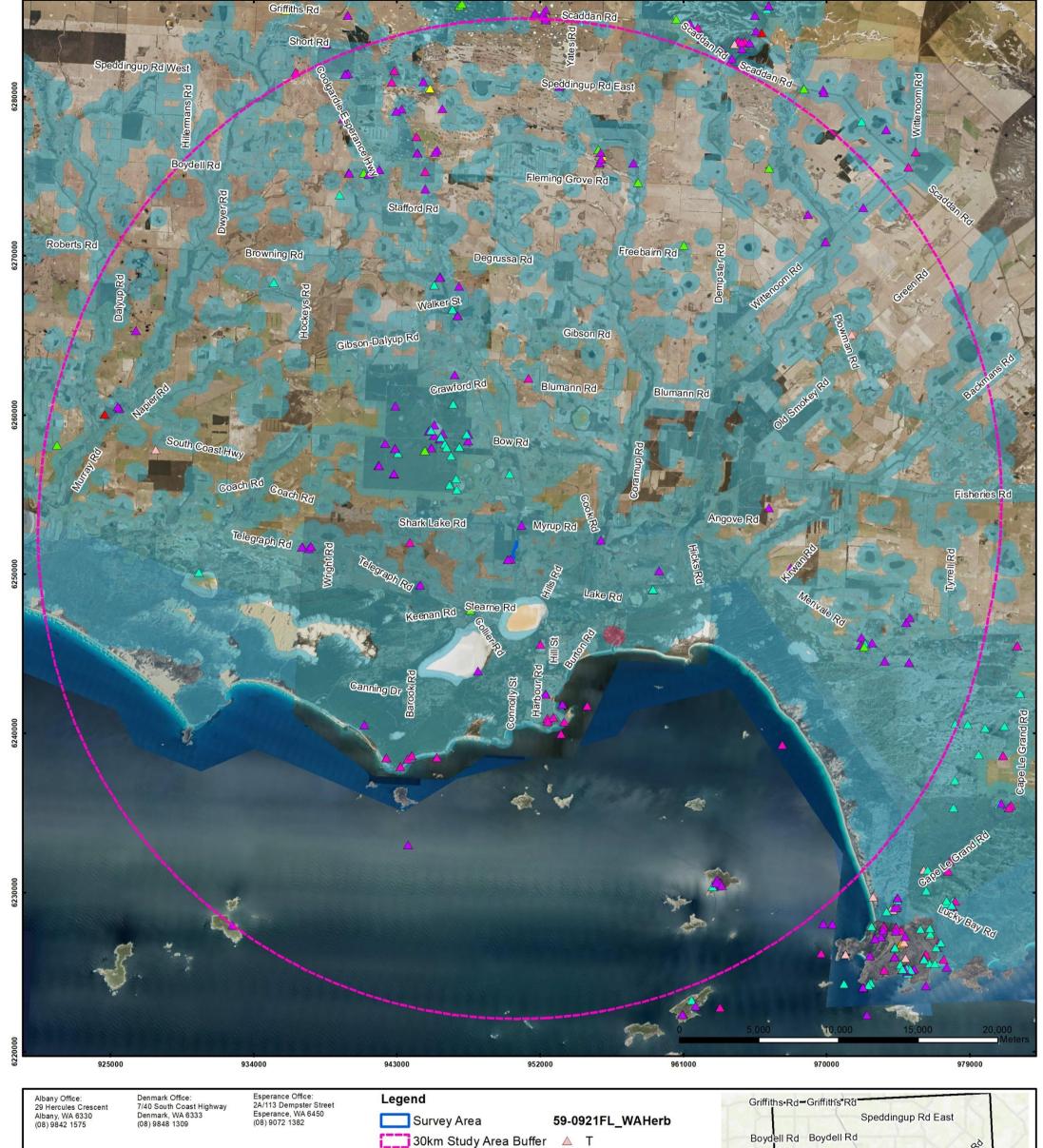
- 1) Occurs within the South Coastal Floristic Province (Hopper and Gioia, 2004); relating to south west phytogeographic boundaries. Includes Island of the Recherche Archipelago.
- 2) a) Characterised by Proteaceae species having 30% or greater cover of Proteaceae species across all layers of where shrubs occur (crowns measured as if opaque). OR;
  - b) Two or more diagnostic Proteaceae species are present that are likely to form a significant vegetative component when regenerated. The use of diagnostic species is for situations in which the cover or Proteaceae species is reduced due to recent disturbance (e.g. fire).

Condition thresholds for the ecological community are described in Table 6.

Table 6: Condition thresholds and minimum patch size analysis for Kwongkan PEC/TEC diagnostic criteria.

| Condition category | Minimum patch size | Weeds                     | Dieback                      |
|--------------------|--------------------|---------------------------|------------------------------|
| High               | 1 ha               | <30% perennial weed cover | No known Dieback infestation |
| Moderate           | 0.5 ha             | <70% perennial weed cover | May be present or unknown    |

The approved conservation advice, available spatial mapping for the ecological community, and description above indicates that this TEC/PEC is likely to occur within the survey area.





CLIENT Arc Infrastructure

Monjingup, WA 6448

Scale 1:225,000@ A3 GDA MGA 94 Zone 51



Line 51 (371.87-372.95km) Esperance to Gibson

Figure 3: Desktop Flora & TEC/PEC Data (DBCA, 2021a; DBCA, 2021b).

Section 4 Meat Works to Paterson Road

|                 | QA Check<br><b>MLH</b> | Drawn by BMT |
|-----------------|------------------------|--------------|
| STATUS<br>FINAL | A1005-004              | 12/05/2022   |

30km Study Area Buffer

## **Ecological Communities** State, Commonwealth

Priority 3, Endangered Priority 3, Vulnerable

▲ P1

P2 P3

P4

## 59-0921FL\_TPFL

▲ T, CR

T, EN

T, VU

P1

P2 **P3** 

P4

Green Rd Boydell Rd Boydell Rd Browning Rd Freebairn Rd Dalyup Rd Blumann Rd Crisps Rd Rd Telegraph Rd Tyrrell Esperance Locke Rd

Overview Map Scale 1:1,250,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Western Australia 2017 Overview Map: World Topographic map service, ESRI



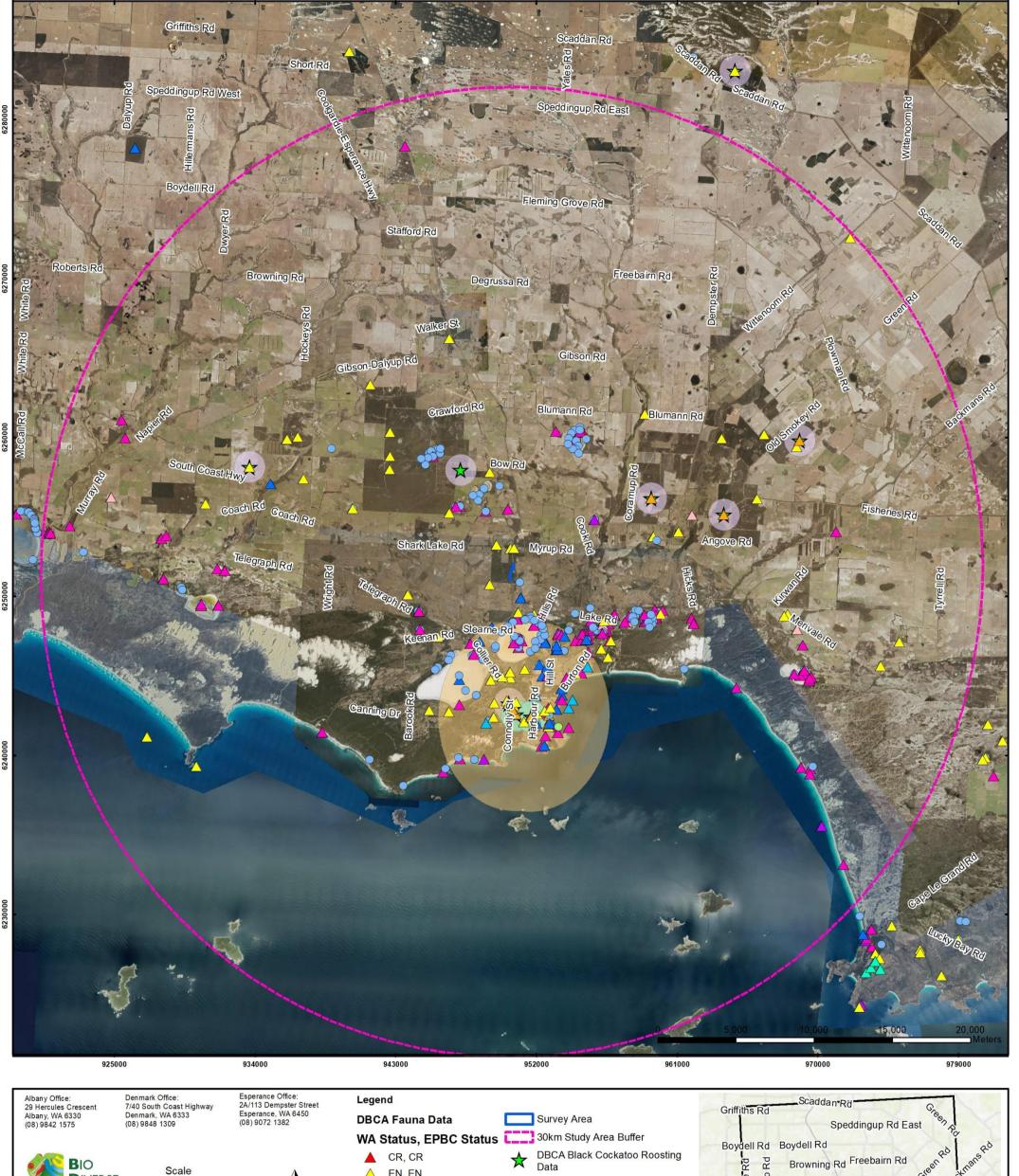
#### 4.3. Fauna

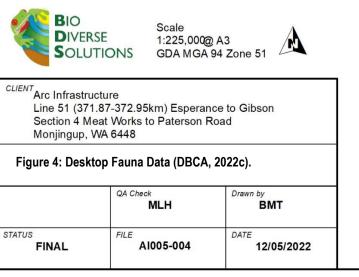
The desktop assessment identified 87 species of conservation significance within 30 km of the survey area. Of these, 48 were Threatened taxa under the *BC Act 2016* and / or *EPBC Act 1999* (critically endangered, endangered or vulnerable), 13 were Priority listed or specially protected taxa and 26 were migratory species protected under international agreements. Of the 48 Threatened taxa and 13 Priority taxa, 23 are also migratory species protected under international agreements (Table 14, Appendix B). Conservation categories for Threatened and Priority fauna are presented in Tables 15 and 16 in Appendix C. NatureMap and Protected Matters Search Tool database searches are provided in Appendix F.

The full species list compiled from all available data (Table 14, Appendix B) is based on observations from a broader area than the survey area and is likely to include species that would not occur in the actual survey area due to a lack of suitable habitat. The data also includes very old records and in some cases the species in question may have become locally or regionally extinct.

#### 4.3.1 Potential Breeding, Foraging and Roosting Habitat for Black Cockatoos

There are no known confirmed breeding sites within a 30 km radius of the survey area. DBCA data supplied by Arc Infrastructure indicates that nine black cockatoo roost sites have been located within 30 km of the survey area, the closest being approximately 6.7 km to the northwest (DBCA, 2021c; Figure 4). Publicly available DBCA black cockatoo databases also indicate there are confirmed roosting sites within 30 km of the survey area (DBCA, 2018a; 2018c; 2019b).





EN, EN EN, MI

EN, VU,

VU, EN VU, VU 

VU, MI MI, MI

 $\triangle$ OS, P1, 0 P2, P3, P4,

P4, MI

Carnabys Cockatoo Confirmed Roost Sites (DBCA\_050) Carnabys Cockatoo Confirmed

Roost Sites Buffered 6km (DBCA\_052)

Black Cockatoo Roosting Sites Buffered (DBCA\_064)



Overview Map Scale 1:1,250,000 Data Sources

Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Westem Australia 2017 Overview Map: World Topographic map service, ESRI



#### 5. Results – Flora and Vegetation Field Survey

#### 5.1. Flora Diversity

During the survey 150 flora species, consisting of 35 families and 104 genera were found (Table 20, Appendix D). The most commonly occurring families were Myrtaceae and Proteaceae. The list includes 128 native species, and 22 introduced / alien species. The vegetation units identified across the survey area are described in Section 5.2. Refer to Figure 7 for vegetation mapping distribution and locations.

#### 5.2. Vegetation Units

Two vegetation units were identified during the survey period, with the descriptions below and relevé data presented in Appendix D. Refer to Figures 5 and 6 for photographs of vegetation units and Figure 7 for extent.

A large area of the survey area (1.251ha) was also historically cleared, consisting of bare ground or entirely non-native invasive species (mostly agricultural grasslands).

#### 1. Vegetation Unit: Nuytsia floribunda and Lambertia inermis Shrubland (Nuyflo and Lamine SL)

Vegetation unit 1: Nuyflor and Lamine SL has extremely high alpha and beta diversity, with the species change over between relevés and quadrats extremely high naturally. It is characterised by a tall open shrubland primarily of *Nuytsia floribunda* and *Lambertia inermis*. A lower shrubland forms the midstorey and is extremely variable in structure and species composition, primarily mixed of Myrtaceae and Proteaceae species. A dense sedgeland dominates the understorey, primarily dominated by *Hypolaena fastigiata* and *Hypolaena exsulca*. Where disturbance has occurred (for example slashed adjacent to the railway access tracks for sight line), the dominance of sedges is much higher and a loss of mid and upperstorey is experienced. Where bare ground is present, scattered herbs are present. Where man-made spoon drains are present, disturbance opportunists or species preferring moister soils are often present.

Vegetation Description (Muirs, 1977): Nuytsia floribunda Open Low Woodland B, over Acacia cyclops, Lambertia inermis and Leptospermum laevigatum Open Scrub, over Adenanthos cuneatus, Taxandria spathulata and Lysinema ciliatum Low Scrub A and B, over Hibbertia racemosa, Melaleuca striata and Leptospermum oligandrum Dwarf Scrub C, over Stirlingia tenuifolia, Micromyrtus elobata subsp. elobata and Calytrix leschenaultii Dwarf Scrub D, over Eragrostis curvula Open Tall Grass, over Briza maxima Open Low Grass, over Mesomelaena tetragona and Caustis dioica Tall Sedges, over Hypolaena fastigiata, Hypolaena exsulca and Desmocladus flexuosus Low Sedges, over Levenhookia pusilla, Drosera drummondii and Caladenia decora Very Open Herbs.

Area: 0.729 ha.

Site description: Flat sandplain, with light to dark grey sand. Good drainage.

Condition: Degraded, Good and Very Good.

Represented in R1, R2 and R3, and Q1 and Q2 (refer to Appendix D).



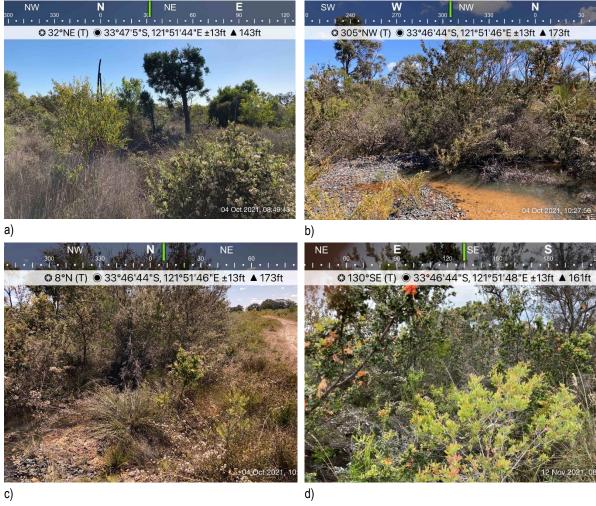


Figure 5: Vegetation Unit 1: Nuyflo and Lamine SL present within the survey area.

#### 2. Vegetation Unit: Invasive Grassland and Shrubland

Vegetation unit 2: Invasive Grassland and Shrubland consists of a novel ecosystem, dominated by invasive species within historically disturbed areas. Disturbance opportunists or clonal native species are scattered throughout, but have likely regenerated following clearing. Within the survey area, this primarily occurs directly adjacent to access tracks or where slashing has occurred, for the purpose of sight-lines. Common novel ecosystem complexes are listed below:

- Invasive *Eragrostis curvula* (African Lovegrass) dominated grassland. Scattered natives present include *Hypolaena* exsulca, *Hypolaena fastigiata*, and *Verticordia minutifolia*.
- Invasive Leptospermum laevigatum (Victorian Tea Tree) dominated shrubland. Common scattered natives include Acacia cyclops, Acacia saligna and Hypolaena exsulca.

Area: 0.717 ha.

Site description: Mixed soil types. Vegetation unit described on biotic relationships, which is driven across multiple abiotic. Condition: Completely Degraded.



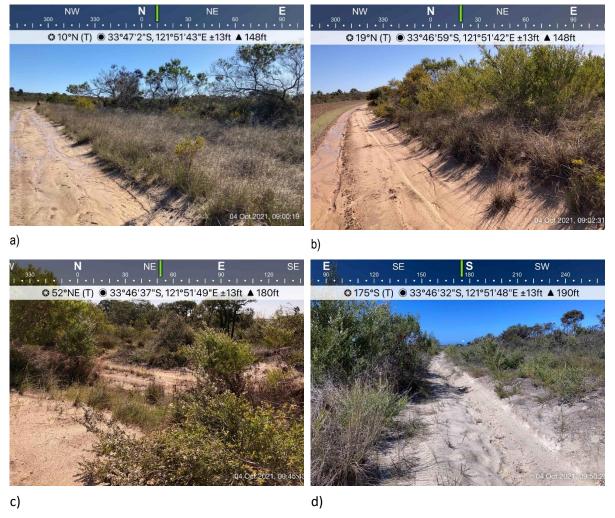


Figure 6: Vegetation unit 2: Invasive Grassland and Shrubland present within the survey area

a) Foreground of *Eragrostis curvula* dominated grassland, transitioning to scattered natives of *Acacia cyclops* and *Acacia saligna*. b) *Leptospermum laevigatum* shrubland with scattered natives of *Hypolaena exsulca*. c) and d) *L. leptospermum* and *E. curvula* growing between different access tracks.

#### 5.3. Vegetation Condition

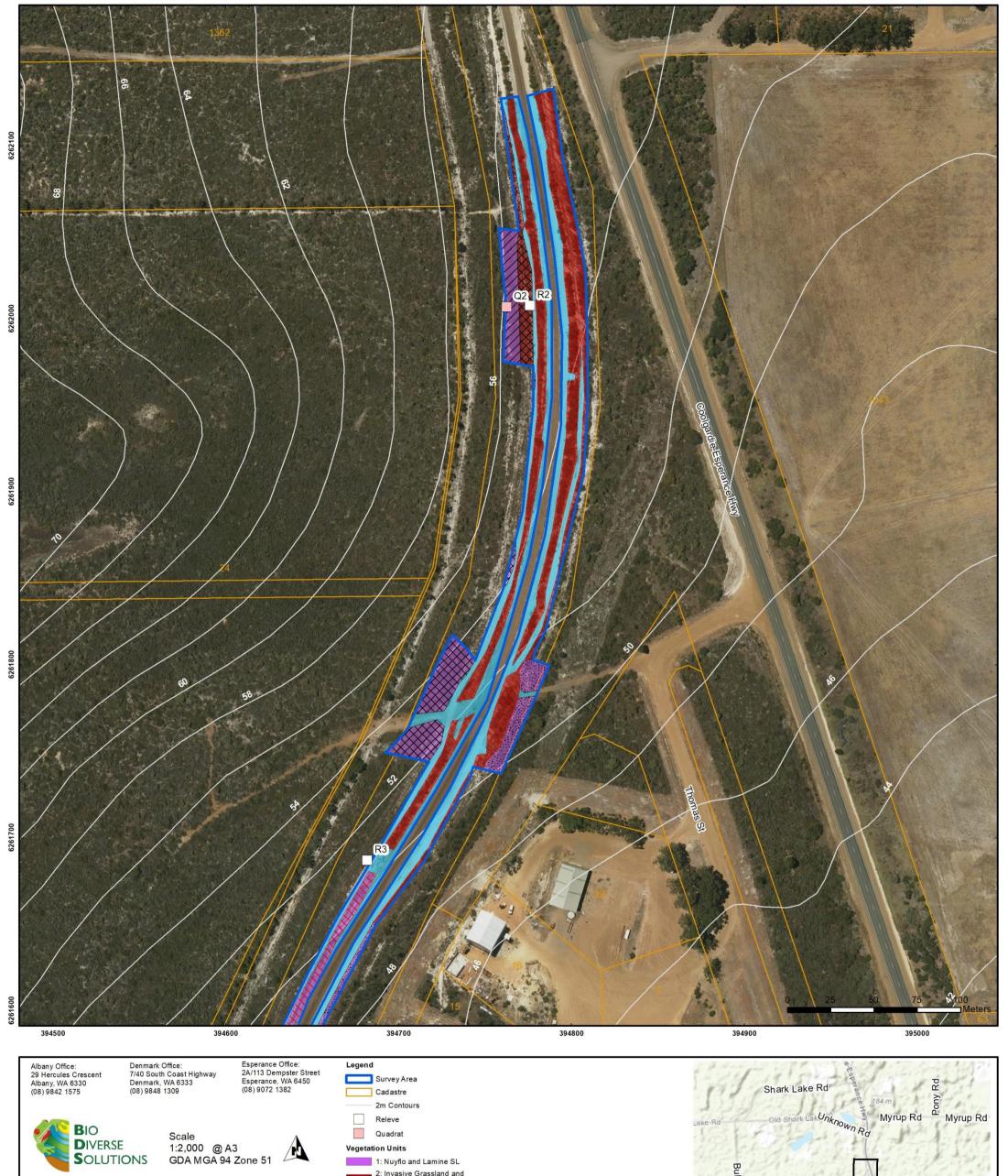
The vegetation condition for the survey area (Table 7) has been mapped using the condition rating scale (adapted from Keighery 1994) outlined in *EPA Flora and Vegetation Survey Technical Guidance* (2016). The vegetation ranged from Completely Degraded to Very Good condition throughout the survey area. These classification levels are related to degradation of structure and vegetation integrity by processes such as clearing, fire, weeds, grazing, Phytophthora Dieback and vehicle tracks. Disturbance was primarily through historical clearing and earthworks to form access tracks adjacent to the railway line or artificial drainage systems. Scattered rubbish of railway material, dumped couches and abandoned cars were also present throughout the area.

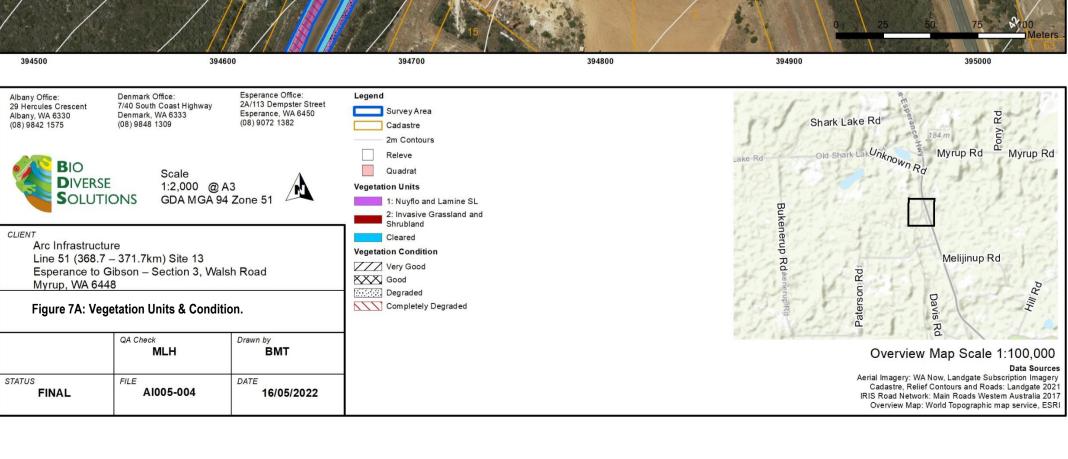
Vegetation Unit 1: Nuyflo and Lamine SL ranged in condition from Very Good to Degraded, primarily relating to the level of historical disturbance resulting in a loss of diversity and structure and subsequent invasion of invasive species. Vegetation Unit 2: Invasive Grassland and Shrubland was Completely Degraded, with a high proportion of invasive species and only scattered native species present, often being disturbance opportunist or clonal species.

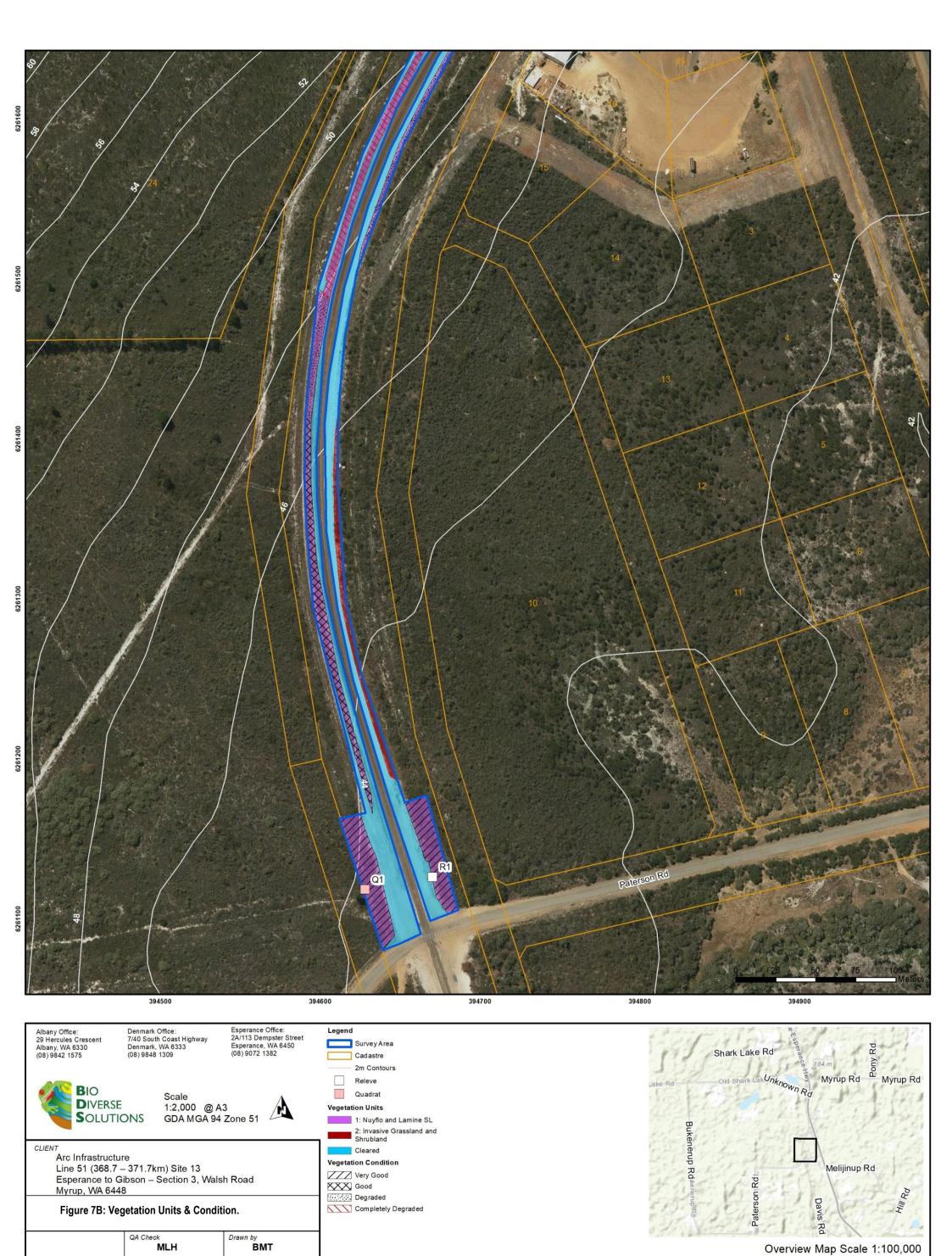


# Table 7: Vegetation condition rating.

| Vegetation units                    | Condition rating    | Area (ha) |
|-------------------------------------|---------------------|-----------|
|                                     | Degraded            | 0.166     |
| 1: Nuyflo and Lamine SL             | Good                | 0.289     |
|                                     | Very Good           | 0.255     |
| 2: Invasive Grassland and Shrubland | Completely Degraded | 0.737     |
| Cleared                             | N/A                 | 1.251     |
|                                     | Tota                | al 2.704  |







STATUS

**FINAL** 

AI005-004

16/05/2022

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Western Australia 2017
Overview Map: World Topographic map service, ESRI



#### 5.4. Invasive Plants

Of the 150 flora species recorded within the survey area, 22 species are introduced. The full suite of weed species recorded is listed below in Table 8, with their corresponding ratings under the WA Weed Strategy (CALM, 1999), Australian Weed Strategy (IPAC, 2017) and the *BAM Act 2007*. The ratings given under the WA Weed Strategy relate to determining the significance of a weed, based on the criteria of invasiveness, impacts, potential for spread and socioeconomic and environmental values, and can be either 'High', 'Moderate', 'Mild', or 'Low' (CALM, 1999).

All species are classed as 'Permitted – s11', under the *Biosecurity and Agriculture Management Act 2007*. Under the Environmental Weeds Strategy for Western Australia (CALM, 1999) Rose Pelargonium, Guildford Grass and Victorian Tea Tree are listed as 'High', while Cape Weed, Silky Cat Ears, Jersey Cudweed, White Cudweed, Ursinia, Cape Bluebell, Watsonia, Wild Oats, Blowfly grass and Shivery Grass are rated as 'Moderate'. The remaining species are either rated 'Mild', 'Low' or are not listed (Table 8).

It is strongly recommended that all machinery entering the survey area (if clearing is approved in the future) has rigorous and thorough biosecurity hygiene applied to limit the introduction of invasive species infestation and the potential to significantly degrade the surrounding Reserve 27681 in pristine to excellent condition.

Table 8: Weed species recorded from the survey area.

| Family        | Species                        | Vernacular              | WA Weed<br>Strategy rating<br>(CALM 1999) | BAM Act (2007)  | Australian<br>Weed Strategy<br>(IPAC, 2017) |
|---------------|--------------------------------|-------------------------|-------------------------------------------|-----------------|---------------------------------------------|
| Asteraceae    | Arctotheca calendula           | Cape Weed               | Moderate                                  | Permitted (s11) |                                             |
| Asteraceae    | Conyza sp.                     | Fleabane                | Low                                       | Permitted (s11) |                                             |
| Asteraceae    | Hypochaeris glabra             | Silky Cat Ears          | Moderate                                  | Permitted (s11) |                                             |
| Asteraceae    | Hypochaeris<br>radicata        | Flat Weed               |                                           | Permitted (s11) |                                             |
| Asteraceae    | Pseudognaphalium<br>luteoalbum | Jersey<br>Cudweed       | Moderate                                  | Permitted (s11) |                                             |
| Asteraceae    | Vellereophyton<br>dealbatum    | White Cudweed           | Moderate                                  | Permitted (s11) |                                             |
| Asteraceae    | Ursinia<br>anthemoides         | Ursinia                 | Moderate                                  | Permitted (s11) |                                             |
| Asteraceae    | Sinapis sp.                    | Wild Mustard            | Low                                       | Permitted (s11) |                                             |
| Campanulaceae | Wahlenbergia<br>capensis       | Cape Bluebell           | Moderate                                  | Permitted (s11) |                                             |
| Geraniaceae   | Pelargonium<br>capitatum       | Rose<br>Pelargonium     | High                                      | Permitted (s11) |                                             |
| Iridaceae     | Romulea rosea                  | Guildford Grass         | High                                      | Permitted (s11) |                                             |
| Iridaceae     | Watsonia meriana               | Watsonia, Bugle<br>Flag | Moderate                                  | Permitted (s11) |                                             |
| Myrtaceae     | Leptospermum<br>laevigatum     | Victorian Tea<br>Tree   | High                                      | Permitted (s11) |                                             |
| Orchidaceae   | Disa bracteata                 | South African<br>Orchid |                                           |                 |                                             |
| Poaceae       | Avena fatua                    | Wild Oats               | Moderate                                  | Permitted (s11) |                                             |



#### Table 8 continued.

| Family      | Species                 | Vernacular           | WA Weed<br>Strategy rating<br>(CALM 1999) | BAM Act (2007)  | Australian<br>Weed Strategy<br>(IPAC, 2017) |
|-------------|-------------------------|----------------------|-------------------------------------------|-----------------|---------------------------------------------|
| Poaceae     | Briza maxima            | Blowfly Grass        | Moderate                                  | Permitted (s11) |                                             |
| Poaceae     | Briza minor             | Shivery Grass        | Moderate                                  | Permitted (s11) |                                             |
| Poaceae     | Eragrostis curvula      | African<br>Lovegrass | High                                      | Permitted (s11) |                                             |
| Poaceae     | Ehrharta longifolia     | Annual Veldt<br>Gras |                                           | Permitted (s11) |                                             |
| Poaceae     | Lolium perenne          | Annual<br>Ryegrass   | Low                                       | Permitted (s11) |                                             |
| Primulaceae | Lysimachia<br>anagallis | Pimpernel            |                                           | Permitted (s11) |                                             |
| Fabaceae    | Ornithopus compressus   | Yellow<br>Serradella | Mild                                      | Permitted (s11) |                                             |

#### 5.5. Presence of Conservation Significant Flora

In total, one species of Priority conservation status was identified within the survey area directly, P3 *Astartea reticulata*. Further detail is provided below on specific species dynamics.

Plant identification was undertaken through the most relevant, current and available taxonomic literature, keys and herbarium reference specimens available. All resources used were the most current to knowledge (Blackall & Grieve, 1975; Brundrett, 2014; Euclid, n.d.; Hammer & Thiele, 2021; Hollister & Thiele, n.d.; Hollister *et al.* n.d.; JSTOR, 2000-; Ng, 2022; Rye, 2013; Thompson, 1989; Weber, 2007; WAH, 1998-). Nomenclature used through this report follows the most recent scientific names through the Western Australian Herbarium.

Additionally, numerous non-Threatened species were identified with close similarities to conservation listed species that were identified in the 30km desktop assessment. Key rationale behind identification as non-Threatened are listed below, and are further expanded in Table 12, Appendix B:

- Micromyrtus elobata subsp. elobata bears similarities to P3 Micromyrtus subsp. scopula, but was determined as being the non-Threatened subspecies, as the leaves were too long at 4-5mm length, opposed to 1.2-1.5 mm of the P3 M. elobata subsp. scopula.
- Conostylis seorsiflora subsp. seorsiflora bears similarities to P2 Conostylis subsp. longissima, but was determined as being the non-Threatened subspecies as the leaves are too short at 2-9mm, opposed to 8-16mm.
- Hibbertia lineata bears similarities to P3 Hibbertia hamata, but was determined as being the non-Threatened H.
   lineata due to all the fertile stamens being on one side of the 2 carpels. It also bore similarity to P2 Hibbertia turleyana, but was determined to be non-Threatened H. lineata due to leaves not being pungent.

#### Astartea reticulata, P3

Astartea reticulata (P3) plants found within the survey area form a new population (Figure 9). It was recorded within Vegetation unit 1: Nuyflo and Lamine SL, but was located within a man-made spoon-drain that had a higher level of moisture. It was located at approximately 372.876KM and 40m north of the Paterson Road railway crossing on the western road reserve. It was noted at the time of verification by the WA Herbarium (Hislop, 2022) that there is a possibility the specimen submitted could also be P2 Astartea eobalta, due to lack of seed for final confirmation. However, regardless if it was re-allocated as being A. eobalta if collection of seed occurred, it would still be considered of Priority conservation status.

At the time of the survey, it was not recognised as being a Priority plant and was not GPS'd. However, photos of the specimen had GPS coordinates and provided indicative location. From memory of the surveyor, there was no other populations of the



plant and it was only recorded within the vicinity of this GPS point. It was not counted at the time of the survey and therefore it is unknown the level of impact occurring. Additionally, no population quantification of distribution outside of the survey area occurred.

Due to being a new population, a specimen was collected under Katie White's Regulation 60 FTB20000327 Flora Taking Licence. These were submitted to the WA Herbarium for confirmation as a new Priority population (KW189, Accession 9469, not retained). A Threatened and Priority Report Form (TPFL) was submitted to DBCA Species district Flora Conservation Office (Emma Adams) and Species and Communities Branch on the 20/04/2022 (Appendix E).

The known distribution and records of *A. reticulata* within the Australasian Virtual Herbarium (AVH, n.d.) and Florabase (WAH, 1998-) indicate that *A. reticulata* is known from 22 records, from sub-coastal areas of the Fitzgerald National Park to Cape Arid. The species distribution spans 200 km (east-west) and 20 km (north-south), as shown in Figure 9. It has been recorded within the Local Government Areas of Esperance and Ravensthorpe, and IBRA subregions of Fitzgerald and Recherche.





Figure 8: Photos of Astartea reticulata within the survey area.







Figure 9: Regional distribution of Astartea reticulata a) AVH, n.d. and b) WAH, 1998-.



#### 5.6. Threatened and Priority Ecological Communities

Two Threatened (TEC) and Priority (PEC) ecological communities were identified in the 30 km desktop analysis, 'Subtropical and Temperate Coastal Saltmarsh (CSM)' and the 'Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia (Kwongkan)' (Section 4.2; Table 13, Appendix B). Analysis of vegetation units identified within the survey area and comparison to TEC / PEC Kwongkan criteria is discussed in further detail below, and is consistent with a Targeted Vegetation Assessment.

CSM was assessed as 'Unlikely' to occur due to it being evident no coastal interaction would occur 15km north of the coastline. This was confirmed during the field survey and the TEC/PEC was not detected within the survey area.

# 5.6.1 Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province (Kwongkan)

Kwongkan is listed as an Endangered TEC under the federal *EPBC Act 1999*. Multiple more specific and define communities are applicable under the state legislation *BC Act 2016*, meeting key diagnostic characteristics of the federal TEC Kwongkan. Generally, Kwongkan is listed as a Priority 3 PEC under the *BC Act 2016*. Specific criteria of Kwongkan TEC / PEC are outlined in Section 4.2.

A risk assessment was completed following the 4th October field survey on relevé data that determined there was a high likelihood that vegetation unit 1: Nuyflo and Lamine SL met criteria for Kwongkan TEC / PEC. Therefore, more intensive and targeted sampling methodology using quadrat analysis occurred on the 12th of November. Specific analysis of quadrat results are presented below. In summary, 0.71 ha vegetation unit 1: Nuyflo and Lamine SL did meet the criteria and was considered as Kwongkan TEC / PEC (Table 9).

Table 9: Vegetation units identified within the survey area that may meet the Threatened/Priority ecological community Kwongkan criteria.

| Vegetation unit                                             | Code                    | Condition | Area<br>(ha) | Meet Patch Size Criteria? | Meet criteria for<br>Kwongkan TEC/PEC |
|-------------------------------------------------------------|-------------------------|-----------|--------------|---------------------------|---------------------------------------|
| 1: Nuytsia floribunda<br>and Lambertia<br>inermis Shrubland | Nuyflo and<br>Lamine SL | Very Good | 0.255        | Yes                       | Yes                                   |
|                                                             |                         | Good      | 0.289        |                           |                                       |
|                                                             |                         | Degraded  | 0.166        |                           |                                       |

#### Vegetation unit 1: Nuytsia floribunda and Lambertia inermis Shrubland – Kwongkan TEC Analysis

Two quadrats were sampled within vegetation unit 1 to systematically determine whether it met Kwongkan TEC / PEC criteria (Appendix D). They were located strategically within a laydown area of the survey area. Comparison of the ecological criteria outlined in Section 4.2 of Kwongkan TEC / PEC occurred, and are presented in Table 10. All floristic structure, composition and analysis indicated that vegetation unit 1: Nuyflo and Lamine SL met Kwongkan TEC / PEC criteria. Additionally, the location of vegetation unit 1: Banspe SL consisted of a larger 'Patch' of vegetation, due to the surrounding reserves of intact vegetation. Therefore, patch criteria thresholds were also met.



Table 10: Quadrat analysis of vegetation unit 1: Nuyflo and Lamine SL to determine the presence of 'Proteaceae Dominated Kwongkan Shrubland of the South-east Coastal Floristic Province (Kwongkan)' Threatened and Priority Ecological Community.

| Criteria    | Description                                                                                                                                                                                                                                                                                                                                   | Discussion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Meet<br>Criteria |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1)          | Occurs within the South Coastal Floristic Province (Hopper and Gioia, 2004).                                                                                                                                                                                                                                                                  | Survey area is located within province.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes              |
| 2a)         | Characterised by Proteaceae species having 30% or greater cover of Proteaceae species across all layers of where shrubs occur (crowns measured as if opaque).                                                                                                                                                                                 | Both quadrat one and two had Proteaceous species present that exceed a 30% crown cover. Specifically, quadrat one consisted of <i>Isopogon trilobus</i> at <10% cover, <i>Adenanthos cuneatus</i> at 10-30%, <i>Conospermum leianthum</i> subsp. <i>Ieianthum</i> at <10%, <i>Banksia obovata</i> at <10% and <i>Isopogon polycephalus</i> at <10%. Quadrat two consisted of <i>A. cuneatus</i> at <10%, <i>Lambertia inermis</i> <10% and <i>B. obovata</i> <10%. Additionally, three other Proteaceous species were present below 5% cover.                                                                                                                                                                                                            | Yes              |
| 2b)         | Two or more diagnostic Proteaceae species are present that are likely to form a significant vegetative component when regenerated.  The use of diagnostic species is for situations in which the cover or Proteaceae species is reduced due to recent disturbance (e.g., fire).                                                               | Whilst the site had not been recently burnt, which is the basis for this criterion, it does provide an indication of keystone species present within the community.  Proteaceous species make up the dominant feature of the vegetation unit present, as indicated by two species identified in the NVIS Level V (2017) description and three species identified in the Muirs (1977) description. These specifically include <i>L. inermis, A. cuneatus</i> and <i>S. tenuifolia</i> . Overall, 16 Proteaceous species were recorded within vegetation unit 1: Nuyflo and Lamine SL.  Therefore, two or more diagnostic Proteaceous species form a key ecological marker and are likely to be significant when the Ecological Community is regenerating. | Yes              |
| Qualitative | Approved conservation Advice guidelines – form and structure of vegetation.  Qualitative description of Kwongkan as below:  • Structure of shrubland, ranging from high to low and varying density;  • Mallee Eucalypt often scattered and present, forming independent stratum layer; and  • High floristic richness and localised endemism. | Descriptions of the vegetation indicate that the vegetation is predominately a shrubland structure, as indicated in the NVIS Level V (2017) description. The quadrat analysis indicates that 58% and 53% of plant species present within quadrat one and two were shrubs, respectively.  No Mallee species were identified within either quadrat.  Quadrat one and two were both highly diverse, with 31 and 34 species respectively identified in the 10x10m (and 20x20m for over-story only) quadrat area. Across the entirety of vegetation unit 1: Nuyflo and Lamine SL, which included incidental collections, 150 species were recorded.                                                                                                           | Yes              |

AI005-004 7 June 2022 31



#### Table 10 continued.

| Criteria    | Description                                                                                   | Discussion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Meet<br>Criteria |
|-------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Qualitative | Approved Conservation Advice guidelines – key diagnostic species.                             | Of the Proteaceous species identified within vegetation unit 1: Nuyflo and Lamine SL, thirteen species were identified as key diagnostic species within the Approved Conservation Guidelines (DoE, 2015b) for the 'Esperance (east)' area. These included A. cuneatus, Banksia nivea, Banksia nutans, B. obovata, B. pulchella, Banksia repens, Hakea corymbosa, Hakea trifurcata, Isopogon polycephalus, Isopogon trilobus, L. inermis, Petrophile teretifolia and Stirlingia tenuifolia.                                                                                                                                                                                                                                                                                              | Yes              |
| Qualitative | Condition category for minimum patch size – refer to Table 1, Section 2.2 within this report. | Patch criteria refers to the size of a discrete and continuous area of the Ecological Community, opposed to the survey area specifically. The surrounding vegetation outside of the survey area was not surveyed and it is unknown how far the Ecological Community extends in the surrounding vegetation.  vegetation unit 1: Nuyflo and Lamine SL within the survey area was located within a wider "patch" of the surrounding reserves. Incidentally it was observed to consist of vegetation with similar floristic composition and structure. Therefore, it is likely that Ecological Community described in vegetation unit 1: Nuyflo and Lamine extends further and meets the minimum patch size (Table 6, Section 4.2, within this report) to be considered Kwongkan PEC / TEC. | Yes              |

AI005-004 7 June 2022 32



### 6. Results - Fauna Field Survey

### 6.1. Basic Fauna Survey

A description of the two vegetation units identified during the survey is given in Section 5.2, which correlate with fauna habitat types (refer to Figure 7).

During the survey, fauna were observed either directly (sighted) or indirectly via calls, or signs of presence such as tracks, runnels, scats, diggings, bones, feeding remains or scratchings. A total of 23 taxa were recorded; 15 birds, four mammals, two reptiles and two invertebrates. Refer to full fauna species list in Table 21 in Appendix D. Of the fauna observed during the survey, quenda (*Isoodon fusciventer*, P4) was the only Priority-listed species for which evidence of presence was observed. No other Threatened or Priority listed species were observed, however potentially suitable habitat was identified for seven additional species.

Vegetation unit 1: *Nuytsia floribunda* and *Lambertia inermis* Shrubland (Nuyflo and Lamine SL) provides suitable habitat for quenda (*Isoodon fusciventer*, P4), where multiple runnels were observed. This vegetation unit is the most intact within the survey area, and extends into adjoining vegetation outside of the survey area. Vegetation unit 2: Invasive Grassland and Shrubland also contains low-quality habitat, however these areas are more likely to be providing linking vegetation between habitat patches rather than shelter or feeding habitat for this species. Refer to Figures 10, 11 and 12.

Vegetation unit 1: Nuyflo and Lamine SL provides marginally suitable habitat for an additional three Threatened and Priority-listed mammal taxa including; the western mouse (*Pseudomys occidentalis*, EN), heath mouse (*Pseudomys shortridgei*, VU) and dibbler (*Parantechinus apicalis*, EN). Refer to Figure 11 for images of suitable habitat for these species.

Habitat for the fork-tailed swift (*Apus pacificus*, MI), letter-winged kite (*Elanus scriptus*, P4) and pygmy dugite (*Pseudonaja affinis* subsp. *tanneri*, P4) occurs across the survey area within vegetation units 1: Nuyflo and Lamine SL, and 2: Invasive Grassland and Shrubland. Foraging habitat for Carnaby's Cockatoo (*Calyptorhynchus latirostris*, EN) is present within vegetation unit 1: Nuyflo and Lamine SL in the form of mixed Proteaceous species and there are some scattered feed species present within vegetation unit 2: Invasive Grassland and Shrubland (refer to Section 6.2 for more detail).

Activity from introduced and domestic species including the fox (*Vulpes vulpes*), domestic dog (*Canis lupus familiaris*) and horse (*Equus caballus*) was observed through the presence of scats and tracks along the existing cleared tracks (Figures 10 and 12).





Figure 10: Photographs of evidence of fauna presence within the survey area. a) and b) runnels of suitable size for quenda (P4).



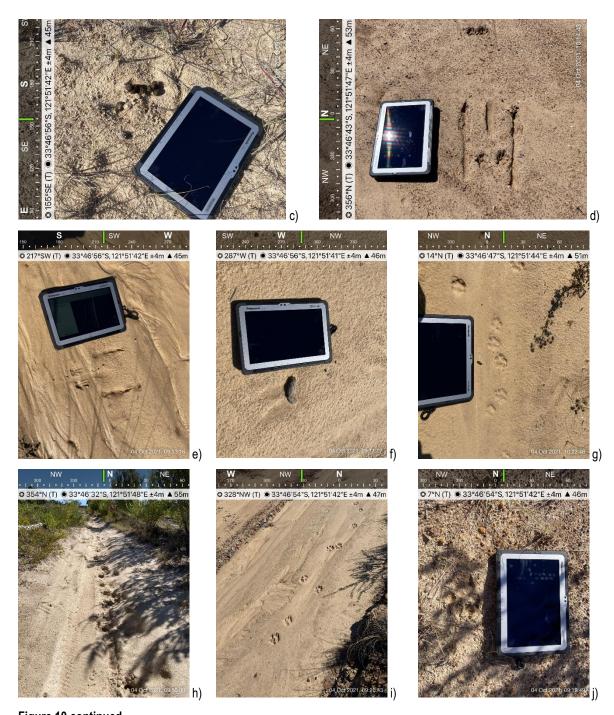


Figure 10 continued. c) – e)) western kangaroo scat and tracks; f) and g) fox scats and tracks; h) horse track; i) and j) dog prints.





Figure 11: Photographs of fauna habitat within the survey area.

a) - d) Vegetation unit 1: Nuyflo and Lamine SL; e) and f) Vegetation unit 2: Invasive Grassland and Shrubland.

### 6.2. Targeted Black Cockatoo Assessment

### 6.2.1. Breeding habitat

No significant trees suitable for Carnaby Cockatoo breeding habitat were observed within the survey area.

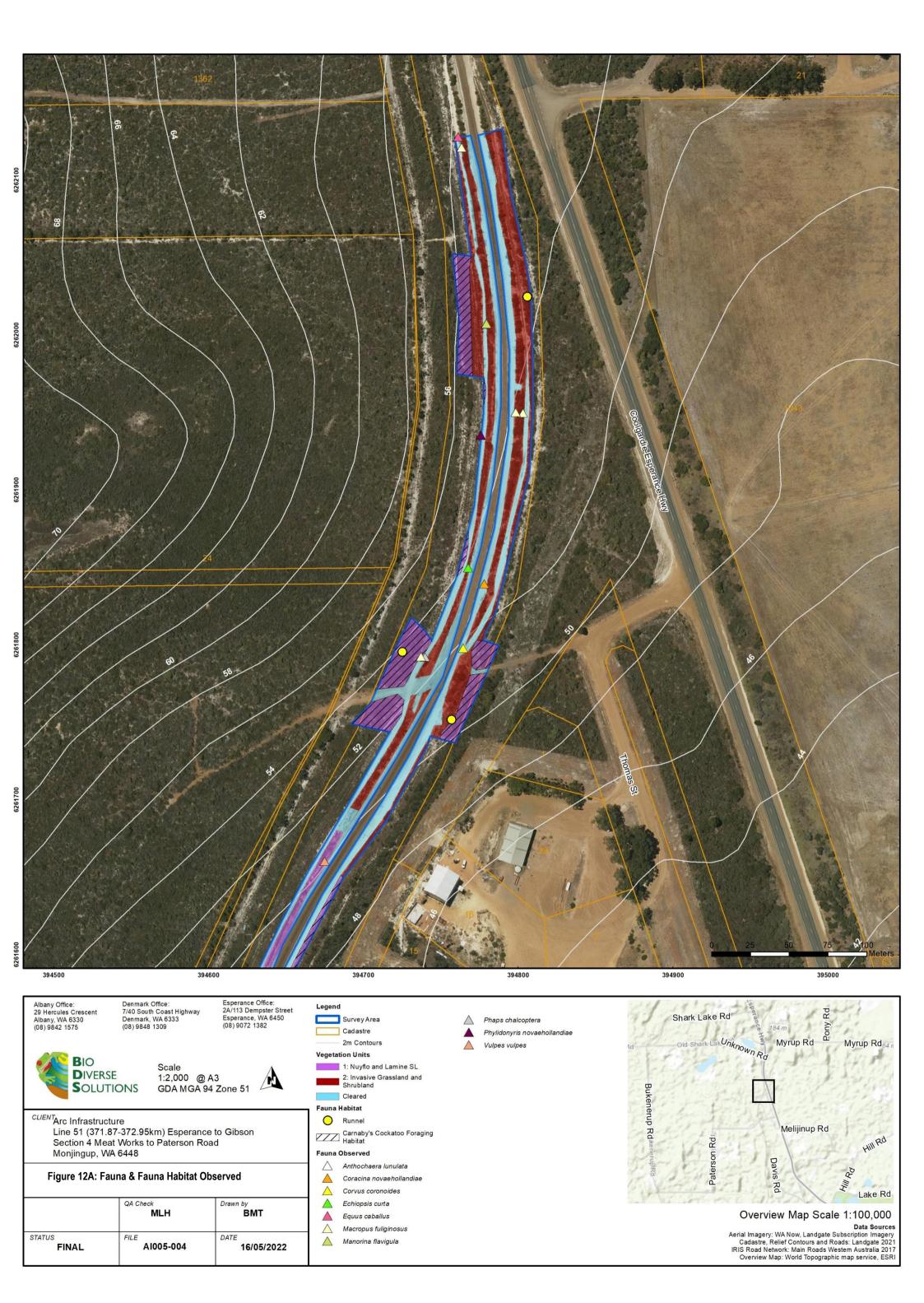
### 6.2.2. Foraging and roosting habitat

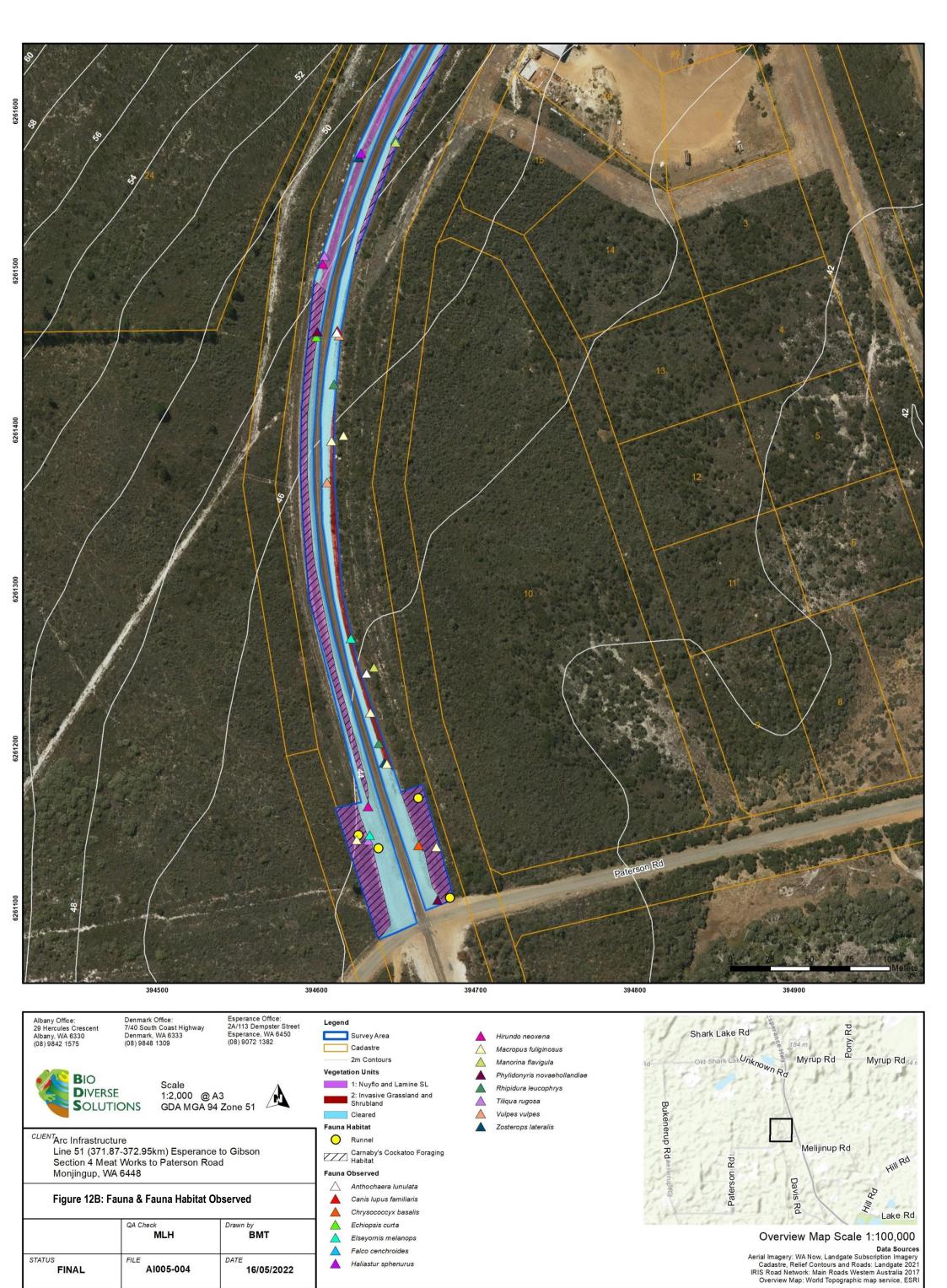
No evidence of foraging was observed within the survey period. It would be expected that given the relatively continuous nature of the surrounding vegetation Carnaby's Cockatoo would feed within the survey area on suitable food plants. Carnaby's Cockatoo feed predominately on native shrubland, Kwongkan heathland and woodland dominated by proteaceous plant species such as *Banksia*, *Hakea*, and *Grevillea*, as well as in eucalypt woodlands and forest that contain food plants (DSEWPaC, 2012). There is suitable foraging habitat present within vegetation unit 1: Nuyflo and Lamine SL, and some scattered feed species within vegetation unit 2: Invasive Grassland and Shrubland. As no signs of foraging were observed across the survey period, this suggests the site is not a favoured feeding area. It is also noted that part of Vegetation Unit 1:



Nuyflo and Lamine SL has been classified as 'Completely Degraded', and therefore contains a lower quality of foraging habitat presence due to the reduced diversity and overall quantity of feed species available. Th degraded components of the vegetation unit have not been classified as potential cockatoo foraging habitat (Refer to Figure 12). The potential foraging habitat available for Carnaby's Cockatoos equates to approximately 0.637 ha which is 44.09% of mapped vegetation identified within the survey area.

No signs of roosting (accumulated scats or feathers) were observed within the survey area.







### 7. Discussion

### 7.1. Vegetation, Threatened and Priority Flora and Ecological Communities

The scope for this survey was to provide the client with information on any Threatened or Priority flora species that are potentially present within the survey area, as well as Threatened / Priority ecological communities, and to provide an assessment on vegetation units and their general condition. Two vegetation units were recorded within the survey area, namely 1: *Nuytsia floribunda* and 2: Invasive Grassland and Shrubland. 1.251ha of the survey area was already cleared, consisting of bare ground with minor invasive herbs or grasses. These vegetation units broadly align with different habitat types, and at a local level are primarily driven by historical disturbance resulting in degradation and novel ecosystems (represented in vegetation unit 2: Invasive GL and SL). It is recommended that biosecurity principles and strict clean down occurs to prevent the spread of invasive species and plant pathogens.

A total of 65 flora species were identified in the desktop assessment, consisting of 6 Threatened and 59 Priority species. Numerous minor limitations were present for a number of species identified as 'Likely' or 'Possible' to occur in the Likelihood of Occurrence (LOO) assessment, mainly relating to autumn flowering species, limited information on undescribed or poorly understood species and fire ephemeral species.

A total of 150 species of flora were recorded, consisting of 128 native species and 22 introduced / non-native species. This indicates the extremely high level of biodiversity recorded within the area, as is typical for the Esperance Sandplain bioregion. Of the 22 invasive species, all species were classed as 'Permitted – s11' under the *BAM Act 2007*. One species of Priority flora was identified, P3 *Astartea reticulata*, which was considered a new population. Due to not being recognised as a Priority species at the time of the survey, no population quantification occurred.

Two Threatened / Priority Ecological Communities were identified in the desktop assessment, namely 'Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province (Kwongan)' TEC / PEC and 'Subtropical and Temperate Coastal Saltmarsh (CSM)' TEC / PEC. Of these, Kwongkan was detected at vegetation unit 1: Nuyflo and Lamine SL, following detailed quadrat analysis consistent with a Targeted Vegetation Assessment. In total, 0.71ha of Kwongkan TEC/PEC was present within the survey area.

### 7.2. Basic Fauna and Targeted Threatened and Priority Fauna Survey

The aim of the basic fauna and targeted Carnaby's Cockatoo habitat survey was to assess and map the fauna habitat within the survey area, assess the likelihood of Priority or Threatened fauna being present within the survey area and / or particular vegetation units, record actual presence of Threatened and Priority listed species, and undertake opportunistic inventory of vertebrate species encountered whilst traversing the survey area on foot. The vegetation present within the survey area runs parallel to the railway line, and thus does provide an ecological linkage within the broader landscape. However, the areas that are proposed to be cleared as part of this proposal would not significantly impact the ability of fauna to disperse between existing vegetated areas.

A total of 23 taxa were recorded; 15 birds, four mammals, two reptiles and two invertebrates. Refer to full fauna species list in Table 21, Appendix D. Of the fauna taxa observed during the survey, quenda (*Isoodon fusciventer*, P4) was the only Priority listed species observed, with no other Threatened or Priority species observed during the survey period.

Quenda (P4) was determined to be present within the survey area through the observation of runnels within vegetation unit 1: Nuyflo and Lamine SL. This vegetation unit also provides marginally suitable habitat for the western mouse (EN), heath mouse (VU) and dibbler (EN). The western and heath mouse both prefer habitats that are long unburnt, are floristically rich, and dense in nature. The survey area appears to be long unburnt with no evidence of recent fire observed. Similarly, the quenda prefers areas of dense heath and coastal scrub vegetation that is often swampy. The dibbler prefers old-growth mallee heath and long unburnt heathland with a dense canopy cover greater than 1 m in height. They too prefer vegetation that is long unburnt. Although there is suitable habitat within the survey area, the vegetation immediately adjacent to the survey area is likely to hold more value for these species as it appears to be more intact, and continuous in nature. The proposed clearing of the railway vegetation is unlikely to significantly impact the ability of these species to move throughout the immediate landscape.

Carnaby's Cockatoo feeds predominately on native shrubland, Kwongkan heathland and woodland dominated by proteaceous plant species such as *Banksia*, *Hakea*, and *Grevillea*, as well as in eucalypt woodlands and forest that contain food plants (DSEWPaC, 2012). There is suitable foraging habitat present for Carnaby's Cockatoo (EN) within vegetation unit 1: Nuyflo



and Lamine SL, and some scattered feed species within vegetation unit 2: Invasive Grassland and Shrubland. As no signs of foraging were observed across the survey period, this suggests the survey area is not currently within a favoured feeding area. The adjacent vegetation appears to contain suitable foraging habitat for Carnaby's Cockatoo and is likely to be more significant for this species due to the more intact and continuous nature of the vegetation. As the mapped foraging habitat within the survey area is <1 ha, it is unlikely that works at this location alone would need to be referred for assessment under the *EPBC Act*. However, the cumulative total and potential impact across the entire Esperance Branch Line project should be taken into consideration.

There is marginal suitable habitat present for two conservation-significant bird taxa and one reptile including: fork-tailed swift (MI), letter-winged kite (P4) and pygmy dugite (P4). Habitat for these species occurs throughout the entire survey area, with areas of vegetation providing daytime refuge and hunting habitat.



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### 9. Appendices

Appendix A – Maps

Appendix B – Species Lists and Relevé Data

Appendix C – Conservation Significant Values Likelihood of Occurrence Analysis

Appendix D – Conservation Status Definitions and Condition Scale

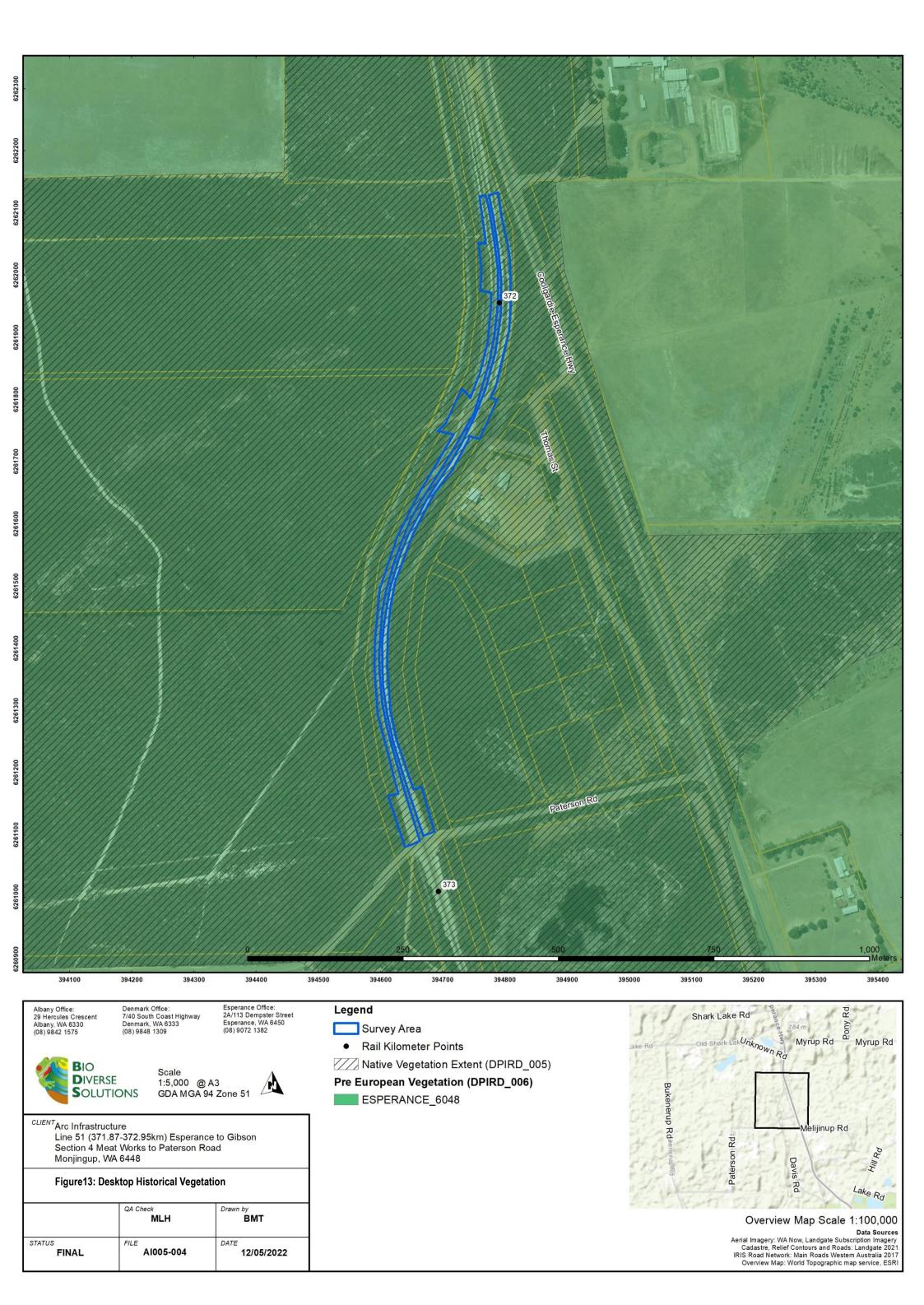
Appendix E – Threatened and Priority Report Forms

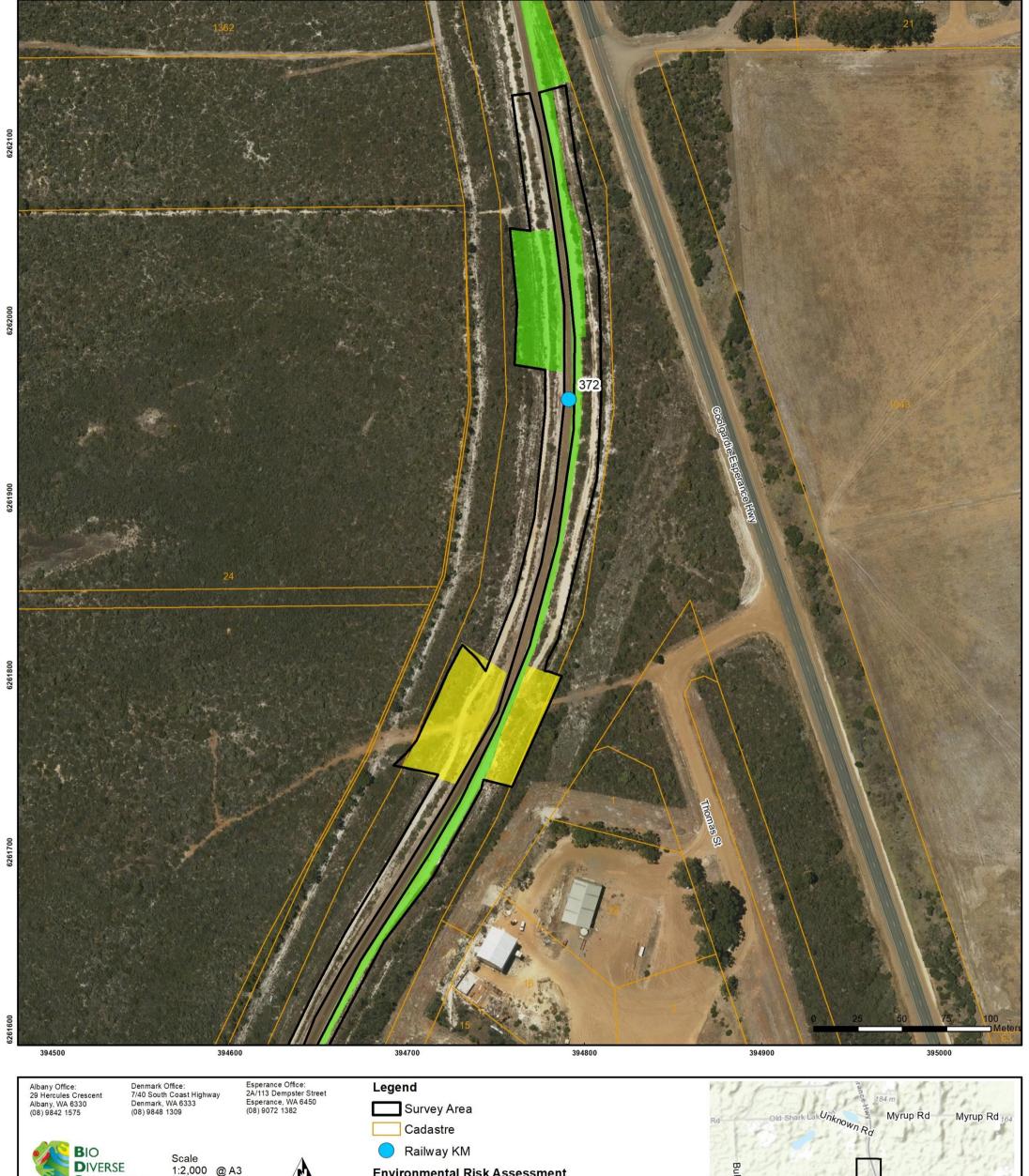
Appendix F - NatureMap and EPBC Act PMST reports



# Appendix A

Maps







## **Environmental Risk Assessment**

Green

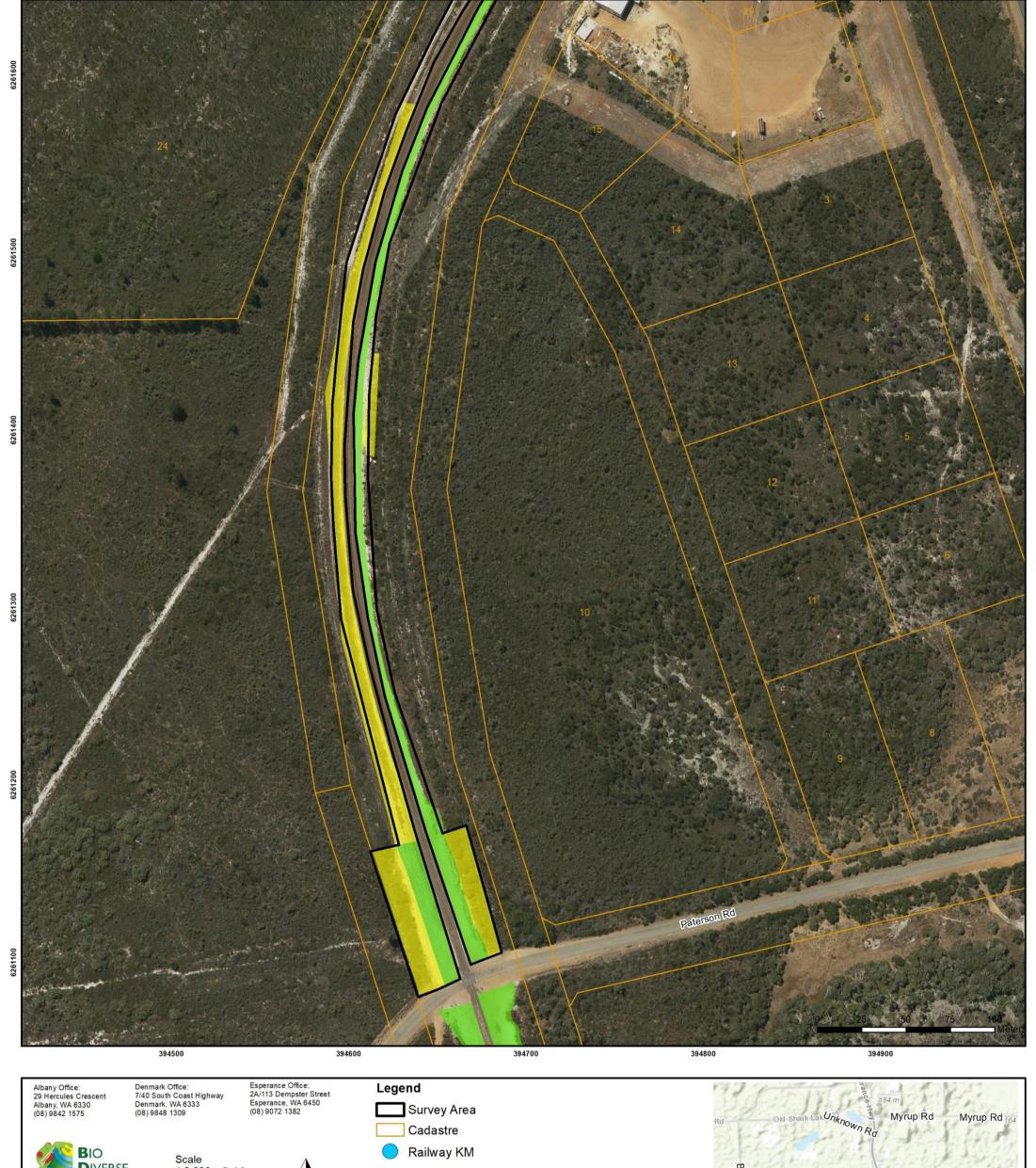
Red

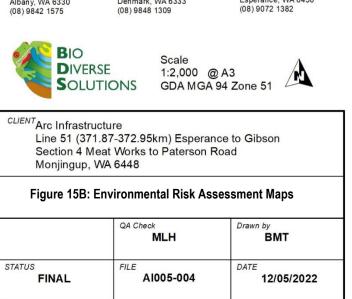
Yellow



Overview Map Scale 1:100,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Western Australia 2017
Overview Map: World Topographic map service, ESRI





### **Environmental Risk Assessment**

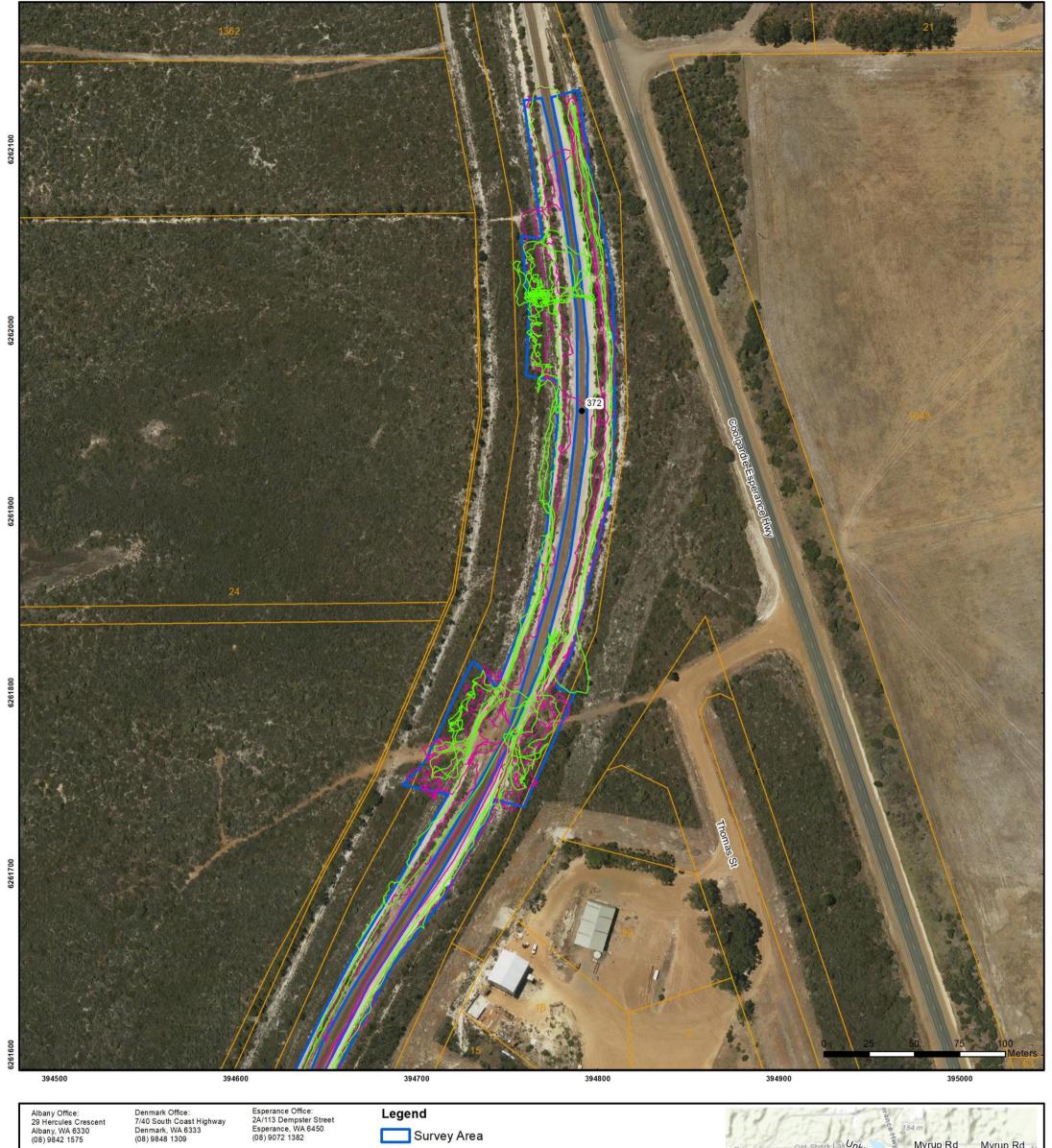
Green Red

Yellow

Melijinup Rd Hill Rd Lake Rd

### Overview Map Scale 1:100,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Westem Australia 2017
Overview Map: World Topographic map service, ESRI



BIO Scale
1:2,000 @ A3
GDA MGA 94 Zone 51

CLIENTArc Infrastructure
Line 51 (371.87-372.95km) Esperance to Gibson
Section 4 Meat Works to Paterson Road
Monjingup, WA 6448

Figure 16A: Survey Effort

QA Check
MLH

STATUS
FINAL

PILE
AI005-004

DATE
12/05/2022

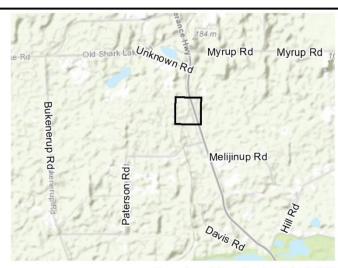
Rail Kilometer Points

Cadastre

### Survey Effort

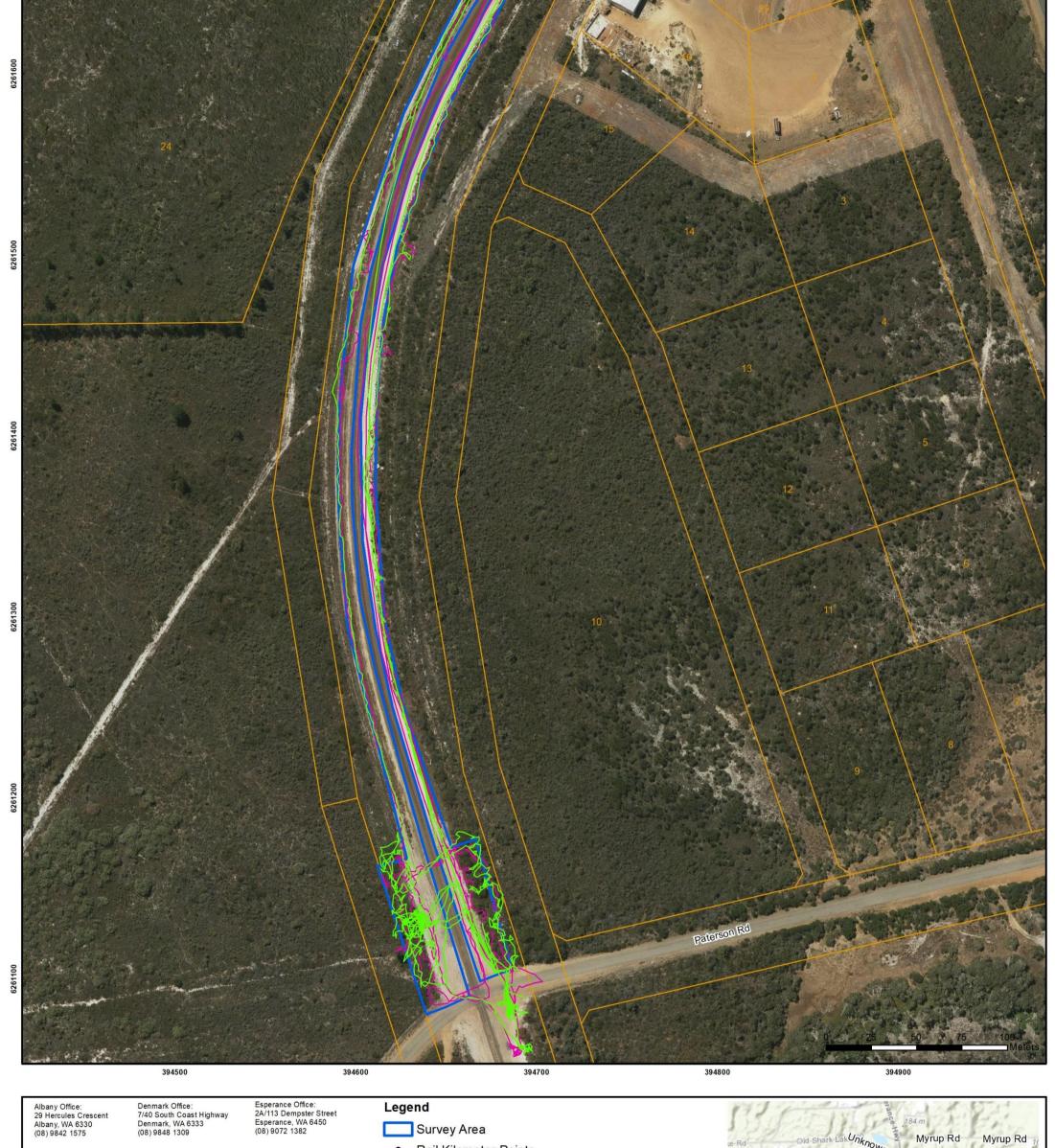
Terrestrial Flora and Vegetation

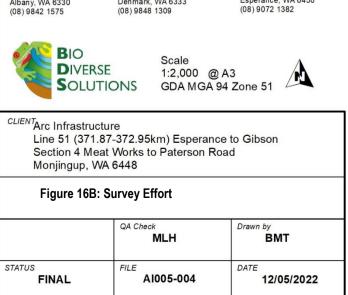
— Terrestrial Vertebrate Fauna



### Overview Map Scale 1:100,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Westem Australia 2017
Overview Map: World Topographic map service, ESRI



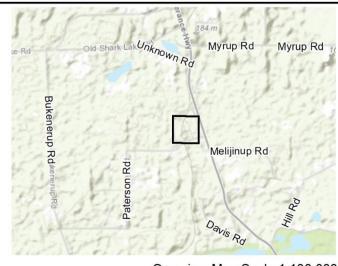


Rail Kilometer Points

Cadastre

### Survey Effort

- Terrestrial Flora and Vegetation
- Terrestrial Vertebrate Fauna



### Overview Map Scale 1:100,000

Data Sources
Aerial Imagery: WA Now, Landgate Subscription Imagery
Cadastre, Relief Contours and Roads: Landgate 2021
IRIS Road Network: Main Roads Western Australia 2017
Overview Map: World Topographic map service, ESRI



# Appendix B

Conservation Significant Values Likelihood of Occurrence Analysis



# Table 11: Criteria for assessing the likelihood of occurrence of Threatened or Priority flora and fauna within a 30km radius of the survey area.

| Likelihood      | Criteria                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Present         | Species is recorded within the survey area.                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| Likely          | Species has been previously recorded in close proximity and suitable habitat occurs within the survey area.                                                                                                                                                                                        |  |  |  |  |  |  |  |
| Possible        | Species previously recorded within 10 km and suitable habitat occurs in the survey area.                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| Unlikely        | The species has been recorded locally through database searches. However, suitable habitat for the species does not occur at the survey area or suitable habitat may occur but the species has a highly restricted distribution, is very rare and only known from a limited number of populations. |  |  |  |  |  |  |  |
|                 | Species is unlikely to occur due to the site lacking critical habitat, only containing marginally suitable habitat, and/or the survey area is considerably degraded.                                                                                                                               |  |  |  |  |  |  |  |
|                 | The species has not been recorded in the survey area despite adequate survey effort.                                                                                                                                                                                                               |  |  |  |  |  |  |  |
| Highly Unlikely | No suitable habitat within the survey area or the survey area is outside the species' natural distribution.                                                                                                                                                                                        |  |  |  |  |  |  |  |



Table 12: Potential conservation significant flora located within 10 km (NatureMap and PMST) to 30 km (DBCA) of the survey area and likelihood of occurrence analysis (post survey).

NB - Species are sorted by likelihood of presence. Numerous resources specific to Threatened and Priority flora listed below were used in the likelihood assessment (Archer, 2016; Gilmore, 2012; Hislop, 2014; JSTOR, 2000 - ; Rye, 2013; WAH, 1998 - ; WANOSCG, 1974 -).

| Family        | Species                                              | Vernacular                             | Status<br>(WA) | Nature<br>Map | PMST | DBCA | Description- Species                                                                                                                                            | Description - Habitat                                                                                                                                       | Peak<br>Flowering<br>period         | Pre-Survey Likelihood<br>of Occurrence<br>Analysis                           | Post-Survey Likelihood of Occurrence Flora Survey Outcome                                                               |
|---------------|------------------------------------------------------|----------------------------------------|----------------|---------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Myrtaceae     | Astartea reticulata                                  |                                        | P3             | х             |      | х    | Single-stemmed or basally branched shrub 0.7–1.5 m tall. Fl. Pale pink or white.                                                                                | Occurs in winter-wet depressions or near watercourses along the coastal plain, commonly associated with the paperbark species <i>Melaleuca</i> cuticularis. | late November to January.           | Likely                                                                       | Detected - KW189,<br>Accession 9469.                                                                                    |
| Orchidaceae   | Paracaleana parvula                                  | Esperance<br>Duck Orchid               | P2             | х             |      | х    | Perennial, herb to 0.18 m high. Fl. Yellow/green.                                                                                                               | Deep white sands, plains. Distribution clustered towards Cape Arid and only single record in Esperance townsite vicinity.                                   | Oct to Nov                          | Likely                                                                       | Possible - Not Detected,<br>survey intensity not<br>consistent with CoA<br>Guidelines (2013)                            |
| Orchidaceae   | Pterostylis faceta                                   | Esperance<br>Bird Orchid               | P3             |               |      | x    | Annual herb. Fl. Green.                                                                                                                                         | Mallee dominated shrubland, dense low Heath. Mixed soil types.                                                                                              | Aug to Sept                         | Likely                                                                       | Possible - Not Detected,<br>survey intensity not<br>consistent with CoA<br>Guidelines (2013)                            |
| Ericaceae     | Styphelia rotundifolia                               |                                        | P3             | Х             |      | Х    | Erect, compact shrub to 1.5 m high x 1.5 m wide. Fl. cream and erect.                                                                                           | Mixed heath and shrublands. Mostly recorded in coastal areas.                                                                                               | April                               | Likely                                                                       | Possible - Not Detected,<br>survey conducted outside<br>of flowering period                                             |
| Campanulaceae | Lobelia archeri                                      |                                        | P1             | х             |      | х    | Annual herb, small flower. Growing to around 40 cm (16") in height, it usually has a thin unbranched stem with several small pale blue flowers near the summit. | Upper slopes of tall non-calcareous sand hills, although odd plants can be found lower down after fire.                                                     |                                     | Possible                                                                     | Possible - Not Detected, significant limitation of being a fire ephemeral species and the vegetation being long unburnt |
| Dilleniaceae  | Hibbertia turleyana                                  |                                        | P2             | Х             |      | Х    | Procumbent shrub to 0.2 m high, to 0.35 m wide. Fl. Yellow.                                                                                                     | Dry white sand. Flats, seasonally wet areas.                                                                                                                | August                              | Possible                                                                     | Possible - Not Detected,<br>survey conducted outside<br>of flowering period                                             |
| Fabroniaceae  | Fabronia hampeana                                    |                                        | P2             | Х             |      | Х    | Moss species. Silver green species.                                                                                                                             | Often growing on Macrozamia species. Mixed woodlands.                                                                                                       |                                     | Outside of expertise of surveyors - don't cover moss.                        | Unlikely - lack of suitable habitat                                                                                     |
| Cyperaceae    | Schoenus sp. Grey<br>Rhizome (K.L. Wilson<br>2922)   |                                        | P1             | Х             |      | Х    | Grass-like or herb (sedge), 0.06-0.08 m high.                                                                                                                   | Sandy clay, sand. Scattered subcoastal (<30 km of coastline) from Cape Arid to Albany.                                                                      | Unknown -<br>limited<br>information | Likely                                                                       | Unlikely - Not Detected                                                                                                 |
| Ericaceae     | Leucopogon corymbiformis                             |                                        | P2             | Х             |      | Х    | Open or erect low shrub with white flowers. <0.5 m high.                                                                                                        | Associated with <i>Banksia speciosa</i> woodland and deep white sands.                                                                                      | Aug to Sept                         | Likely                                                                       | Unlikely - Not Detected                                                                                                 |
| Goodeniaceae  | Dampiera sericantha                                  |                                        | P3             | Х             |      | Х    | Erect, slender perennial, herb, 0.05-0.3(-0.6) m high, stems with blunt angles. Fl. Blue.                                                                       | Sand, sometimes with gravel. Plains. Associated with disturbance.                                                                                           | May or Aug to Dec.                  | Likely                                                                       | Unlikely - Not Detected                                                                                                 |
| Ericaceae     | Leucopogon interruptus                               |                                        | P3             | Х             |      | Х    | Open or erect low shrub with white flowers. <0.5 m high.                                                                                                        | Associated with Banksia speciosa woodland and deep white sands.                                                                                             | Aug to Sept                         | Likely                                                                       | Unlikely - Not Detected                                                                                                 |
| Ericaceae     | Leucopogon apiculatus                                |                                        | P3             | Х             |      | Х    | Erect, open-branched shrub, 0.3-2 m high. Fl. White/pink.                                                                                                       | Skeletal sandy or stony soils over quartzite or granite. Granite outcrops & hills, quartzite ridges, rocky slopes.                                          | Jul to Nov.                         | Likely - granite outcrop adjacent to survey area.                            | Unlikely - Not Detected                                                                                                 |
| Haemodoraceae | Anigozanthos bicolor<br>subsp. minor                 | Small Two-<br>Coloured<br>Kangaroo Paw | T - En         | х             | Х    | Х    | Rhizomatous, perennial, herb, 0.05-0.2 m high. Fl. Green & red.                                                                                                 | Sand. Well-watered sites. Subcoastal freshwater sumps, off granite.                                                                                         | Aug to Oct                          | Possible - survey area at base of granite headland with freshwater adjacent. | Unlikely - Not Detected                                                                                                 |
| Myrtaceae     | Baeckea sp. Gibson (K.R.<br>Newbey 11084)            |                                        | P1             | Х             |      | х    | Spreading, erect, mid-dense shrub, to 2 m high. Fl. Pink.                                                                                                       | Brown sandy loam over laterite & granite. Moderately exposed hills, cleared bushland.                                                                       | Jun or Nov to<br>Dec.               | Possible                                                                     | Unlikely - Not Detected                                                                                                 |
| Ericaceae     | Leucopogon sp. Lake<br>Magenta (K.R. Newbey<br>3387) |                                        | P1             | Х             |      |      |                                                                                                                                                                 | Uplands; sand or sand over laterite.                                                                                                                        | Nov                                 | Possible                                                                     | Unlikely - Not Detected                                                                                                 |
| Ericaceae     | Styphelia coelophylla                                |                                        | P1             | х             |      |      | Erect shrub, 0.3-0.6 m high. Fl. Pink/white.                                                                                                                    | Gravelly sandy soils.                                                                                                                                       | Sep to Nov.                         | Possible                                                                     | Unlikely - Not Detected                                                                                                 |

54 AI005-004 7 June 2022



| Family        | Species                                 | Vernacular                  | Status<br>(WA) | Nature<br>Map | PMST | DBCA | Description- Species                                                                                                                                  | Description - Habitat                                                                                                                    | Peak<br>Flowering<br>period            | Pre-Survey Likelihood<br>of Occurrence<br>Analysis                                                                 | Post-Survey Likelihood of Occurrence Flora Survey Outcome |
|---------------|-----------------------------------------|-----------------------------|----------------|---------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Polygalaceae  | Comesperma lanceolatum                  |                             | P2             | Х             |      |      | Upright, spreading shrub. 0.1-0.33 nm high. Fl. Blue.                                                                                                 | White sand, marine plains, sand dunes, quartzite ridges.                                                                                 | Nov                                    | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Polygalaceae  | Comesperma griffinii                    |                             | P2             | Х             |      | х    | Annual or perennial herb to 0.15 m high. Fl. White.                                                                                                   | Yellow or grey sands, plains. Very wide and scattered distribution from Geraldton to Esperance.                                          | Oct                                    | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Rhamnaceae    | Spyridium mucronatum subsp. multiflorum |                             | P2             | Х             |      | Х    | Erect or spreading shrub, 0.15-0.6 m high. Fl. White-cream-yellow.                                                                                    | Gravelly loam or clay.                                                                                                                   | Oct to Dec or Jan.                     | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Iridaceae     | Patersonia inaequalis                   | Unequal Bract<br>Patersonia | P2             | Х             |      | Х    | Rhizomatous, tufted perennial, herb, 0.2-0.4 m high. Fl. White.                                                                                       | Sandy clay, lateritic or granitic sand.                                                                                                  | Aug to Oct.                            | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Poaceae       | Austrostipa mundula                     |                             | P3             | Х             |      | Х    | Perennial caespitose grass to 0.5 m.                                                                                                                  | Sandy to clay loams and limestone in grassland, heathland, shrubland and Mallee.                                                         |                                        | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Malvaceae     | Commersonia rotundifolia                | Round Leaved<br>Rulingia    | P3             | х             |      | x    | Shrub to 1.5 m high. Semi-erect. Cream flowers, white calyx with green base. Petals cream, ligule on green base, staminodes white. Dull green leaves. | Open Eucalyptus woodland and shrubs, with <i>Eucalyptus platypus</i> or other Mallee or Mallet species. Well drained grey brown loams.   | Oct to Dec                             | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Fabaceae      | Daviesia pauciflora                     |                             | P3             | х             |      | х    | Diffuse, many stemmed, sprawling shrub. 0.3-0.8 m high. Lacking formal leaves. Fl. Yellow and red.                                                    | White or grey sand over laterite or limestone. Flats. Associated with deep sands, often with Banksia speciosa or Kwongkan shrublands.    | Oct to Dec or<br>Jan                   | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Loganiaceae   | Adelphacme minima                       |                             | P3             | Х             |      | Х    | Annual.                                                                                                                                               | Small post fire.                                                                                                                         | Sept -Oct;<br>Nov-Jan                  | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Myrtaceae     | Eucalyptus semiglobosa                  |                             | P3             | Х             |      | х    | Mallee to 6 m, bark smooth grey over tan. Fl. Cream-white-yellow.                                                                                     | White sand over laterite, silty sand on edge of granite shelf, limestone. Hillslopes, gullies, cliffs.                                   | June and Oct to Dec                    | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Anarthriaceae | Hopkinsia adscendens                    |                             | P3             | Х             |      | Х    | Rhizomatous, perennial, herb to 0.4 m high.                                                                                                           | Sand. Dry or seasonally damp habitats along streams.                                                                                     | Oct                                    | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Brassicaceae  | Lepidium fasciculatum                   |                             | P3             | Х             |      | Х    | Erect annual, herb, (0.1-)0.3-0.6 m high.                                                                                                             | Widespread but scattered. Across southern Australia.                                                                                     | Spring                                 | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Proteaceae    | Persoonia scabra                        |                             | P3             | Х             |      | х    | Clumped, spreading shrub. Fl. Yellow.                                                                                                                 | Gravelly loam, sandy soils. Slopes. Mixed soil types. Eucalyptus, Allocasuarina or Agonis woodlands.                                     | Sep to Nov.                            | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Proteaceae    | Grevillea baxteri                       | Cape Arid<br>Grevillea      | P4             | Х             |      | х    | Erect to spreading shrub. 0.8-4 m high. Large and bushy form. Toothbrush grevillea form, flower colour yellow-orange-browned.                         | Sand, sandplains. Wide associated vegetation type. Often associated with gravel.                                                         | Feb or May to<br>Jul or Sept to<br>Dec | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Boraginaceae  | Myotis australis                        | Southern<br>Forget me not   | P4             | Х             |      |      | Erect or procumbent annual, herb, up to 0.3 m high. Fl. White/blue.                                                                                   | Grey sand over limestone.                                                                                                                | Aug to Nov.                            | Possible                                                                                                           | Unlikely - Not Detected                                   |
| Haemodoraceae | Conostylis<br>lepidospermoides          | Sedge<br>Conostylis         | T - En         | Х             |      | Х    | Rhizomatous, tufted perennial, grass-like or herb, 0.17-0.36 m high. Fl. Yellow.                                                                      | Grey or yellow-brown sand over laterite.                                                                                                 | Sep to Oct                             | Unlikely                                                                                                           | Unlikely - lack of suitable habitat                       |
| Euphorbiaceae | Ricinocarpos trichophorus               | Barrens<br>Wedding Bush     | T - En         |               | Х    |      | Erect, openly branching shrub, 0.3-1 m high. Fl. White.                                                                                               | Sandy clay, loam. Breakaways, among sandstone rocks.                                                                                     | May or Aug to<br>Sep                   | Unlikely                                                                                                           | Unlikely - lack of suitable habitat                       |
| Proteaceae    | Lambertia echinata subsp.<br>echinata   | Prickly<br>Honeysuckle      | T - En         | Х             | Х    |      | Prickly, much branched, non-lignotuberous shrub. 1.5 m high. Fl. Orange, red to pink. Leaves with tridentate shape.                                   | Gravely sandy loam, brown sandy loam, white grey sand, granite, laterite. Entirely restricted or known from Cape Le Grand National Park. | Sept to Oct                            | Unlikely - distribution restricted to Cape Le Grand, and lack of suitable habitat without granite or rise present. | Unlikely - lack of suitable habitat                       |
| Myrtaceae     | Eucalyptus merrickiae                   | Goblet Mallee               | T - Vu         | х             | Х    | Х    | Mallee, 2-4(6) m high. Bark rough and flaky. Distinguished by extremely red bud caps. Silver sheen to leaves.                                         | Sandy clay, grey sand. Associated strongly with salt lakes in the Scaddan to Salmon Gums area, Esperance.                                | Aug to Nov                             | Unlikely                                                                                                           | Unlikely - lack of suitable habitat                       |
| Fabaceae      | Kennedia glabrata                       | Northcliffe<br>Kennedia     | T - Vu         |               | Х    |      | Prostrate shrub, 0.05-0.5 m high, to 5 m wide. Fl. Red.                                                                                               | Soil pockets, sandy soils. Granite outcrops.                                                                                             | Aug to Nov.                            | Highly unlikely -<br>recorded west of<br>Albany, over 500km.<br>Lack of suitable habitat,<br>no granite present.   | Unlikely - lack of suitable habitat                       |



| Family         | Species                                         | Vernacular              | Status<br>(WA) | Nature<br>Map | PMST | DBCA | Description- Species                                                                                                                                                    | Description - Habitat                                                                                                                    | Peak<br>Flowering<br>period | Pre-Survey Likelihood of Occurrence Analysis                                                                                                     | Post-Survey Likelihood of Occurrence Flora Survey Outcome |
|----------------|-------------------------------------------------|-------------------------|----------------|---------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Euphorbiaceae  | Beyeria physaphylla                             |                         | P1             | Х             |      | х    | Shrub, to 0.5 m high. Scraggly. Flowers axial, separate male and female flowers.                                                                                        | Restricted to Scaddan. Grows in Mallee Eucalypt with Melaleuca, Hakea and Leptospermum sp. On grey sandy soil on edge of salt lakes.     | Sept                        | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Myrtaceae      | Cyathostemon sp.<br>Esperance (A. Fairall 2431) |                         | P1             | Х             |      | Х    | Shrub, 2-4 m tall. Leaves pointed. Flowers white; free part of stamens longer than fused part.                                                                          | Shrubland. Salt Lake Margin. Sandy gravel.                                                                                               | Sept - Oct                  | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Myrtaceae      | Darwinia sp. Gibson (R.D. Royce 3569)           |                         | P1             | Х             |      | Х    | Compact shrub to 0.4 m high. Flowers yellow/orange. Small succulent looking shrub.                                                                                      | Grey-brown sandy clay and white sand on margins of salt lake.                                                                            | Jun to July                 | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Haloragaceae   | Myriophyllum muelleri                           | Hooded Water<br>Milfoil | P1             | Х             |      | Х    | Slender, aquatic annual, herb. Stems to 0.6 m long. Fl. Red.                                                                                                            | Lagoons. Two records - Nambung<br>River near Gingin and pond off South<br>Coast Hwy.                                                     |                             | Unlikely - lack of open standing water present.                                                                                                  | Unlikely - lack of suitable habitat                       |
| Myrtaceae      | Eucalyptus misella                              |                         | P1             | Х             |      | х    | Mallee, 1-3 m high. Bark smooth. Fl. Cream.                                                                                                                             | White, yellow or grey sand. Low lying sandplain.                                                                                         | Nov                         | Highly unlikely -<br>recorded west of<br>Salmon Gums near<br>Peak Charles.<br>Significant distribution<br>difference.                            | Unlikely - lack of suitable habitat                       |
| Goodeniaceae   | Dampiera decurrens                              |                         | P2             | Х             |      | Х    | Stiff, robust perennial, herb, 0.1-1 m high. Fl. Blue.                                                                                                                  | Sandy soils. Granite rocks.                                                                                                              | Sep to Dec or<br>Jan        | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Chenopodiaceae | Tecticornia indefessa                           |                         | P2             | Х             |      | Х    | Prostrate, perennial shrub, 0.05-0.15 m high.                                                                                                                           | White to brown-grey sand. Near the edges of salt lakes.                                                                                  |                             | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Ericaceae      | Astroloma sp. Grass Patch (A.J.G Wilson 110)    |                         | P2             | Х             |      | Х    | Multi-stemmed, domed shrub. 0.2-0.4 m high. Red flowers. Flowers facing upwards, very skinny leaves.                                                                    | White/grey sand, edge of salt lake in Melaleuca thickets.                                                                                | June to<br>August           | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Goodeniaceae   | Goodenia exigua                                 |                         | P2             | Х             |      | Х    | Perennial, prostrate, compact and rhizomatous shrub. 3 cm high x 4 cm wide. Yellow flowers. Perennial herb, ground hugging, flowers white with purplish brown markings. | Edge of salt lakes or seasonally inundated plains. Grey clay. Occurs in the Stirling Ra. and at Moirs Inlet, W.A. Grows in saline clays. |                             | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Goodeniaceae   | Goodenia quadrilocularis                        |                         | P2             | Х             |      | х    | Erect, slender, woody perennial, herb, 0.3-1 m high. Fl. Yellow.                                                                                                        | Sand. Sand dunes, granite slope & outcrops.                                                                                              | Sep to Dec                  | Unlikely - distribution restricted to Cape Le Grand and Cape Arid on granite and coastal.                                                        | Unlikely - lack of suitable habitat                       |
| Proteaceae     | Conospermum<br>quadripetalum                    |                         | P2             |               |      |      |                                                                                                                                                                         | Sandy clay, grey sand. Flats behind coastal hills.                                                                                       | Sept-Nov                    | Highly unlikely -<br>recorded in the Albany<br>and Augusta-Margret<br>River region, distribution<br>significantly far away<br>from subject site. | Unlikely - lack of suitable habitat                       |
| Proteaceae     | Isopogon alcicornis                             | Elkhorn<br>Coneflower   | P3             | х             |      | Х    | Low, lignotuberous shrub, 0.3-0.5 m high to 0.6 m wide. Flowers yellow, white, pink. Distinctive shaped leaves forming cluster. No distinct stems.                      | Sandy soils, skeletal loam, sandhills, sandplains.                                                                                       | Oct to Dec or<br>Feb        | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Myrtaceae      | Kunzea salina                                   |                         | P3             | Х             |      | х    | Low shrub <1 m. Very small leaves. Spreading shrub. Fl. White.                                                                                                          | Adjacent to salt lake periphery in low shrub margin. Winter wet lowlands with grey sands. Saline water bodies.                           | Dec to Jan                  | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Myrtaceae      | Melaleuca dempta                                |                         | P3             | Х             |      | Х    | Shrub, 0.2-0.6 m high. White cream flowers. Rounder and more circular leaves to similar non-Threatened <i>Melaleuca calycina</i> .                                      | Shrubland and Mallee. White clayey soils. Sometimes recorded on salt lakes.                                                              | Aug                         | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Lamiaceae      | Pityrodia chrysocalyx                           |                         | P3             | Х             |      | Х    | Erect, branched shrub, 0.3-0.75(-1) m high. Fl. White.                                                                                                                  | Sandy soils.                                                                                                                             | Aug to Oct.                 | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Ericaceae      | Brachyloma mogin                                |                         | P3             | Х             |      | Х    | Compact shrub, 0.4 m high. Fl. Red/pink/white.                                                                                                                          | Grey clayey sand. Swamp flat.                                                                                                            | Jun                         | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Polygalaceae   | Comesperma calcicola                            |                         | P3             | Х             |      | Х    | Soft perennial herb, to 0.3 m high. Fl. Pink.                                                                                                                           | Calcareous or semi-saline clay loams, limestone. Areas around saline water.                                                              | Oct to Dec or<br>Jan        | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |
| Ericaceae      | Conostephium<br>marchantiorum                   |                         | P3             | Х             |      | Х    | Erect, much branched shrub. 0.4-1.8 m high. Red, purple, brown and yellow flower. Bright green and hairy leaves.                                                        | White/grey sand. Plains on edges of salt lakes.                                                                                          | Mar or Jul or<br>Nov        | Unlikely                                                                                                                                         | Unlikely - lack of suitable habitat                       |



| Family           | Species                                  | Vernacular                | Status<br>(WA) | Nature<br>Map | PMST | DBCA | Description- Species                                                                                                                                   | Description - Habitat                                                                            | Peak<br>Flowering<br>period | Pre-Survey Likelihood<br>of Occurrence<br>Analysis            | Post-Survey Likelihood<br>of Occurrence Flora<br>Survey Outcome |
|------------------|------------------------------------------|---------------------------|----------------|---------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|
| Goodeniaceae     | Dampiera triloba                         |                           | P3             | Х             |      | Х    | Erect, perennial herb or shrub to 0.5 m high. Fl. Blue.                                                                                                | Lowlands or semi-wet areas, slopes on edge of lakes.                                             | Aug to Dec                  | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Myrtaceae        | Eucalyptus foliosa                       |                           | P3             | х             |      | Х    | Mallee to 4 m high, bark smooth.                                                                                                                       | Grey/white sandy clay. Flats adjacent to salt lake. Distribution between Grass Patch and Gibson. |                             | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Haloragaceae     | Gonocarpus pycnostachyus                 |                           | P3             | Х             |      | Х    | Erect annual herb, 0.1-0.15 m high. Fl. Green-red.                                                                                                     | Sand or clay soils. Wet depressions, granite rock.                                               |                             | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Centrolepidaceae | Centrolepis cephaloformis subsp. murrayi |                           | P3             | Х             |      |      | Annual herb forming dense, rounded tufts 4-25 mm across to 0.01 n high.                                                                                | Moss, salt flats, sand, granite.                                                                 | Aug to Oct                  | Unlikely - lack of bare granite present.                      | Unlikely - lack of suitable habitat                             |
| Proteaceae       | Banksia prolata subsp.<br>calcicola      |                           | P4             | Х             |      | Х    | Non-lignotuberous shrub, 0.4-1 m high. Fl. Yellow.                                                                                                     | White sand over limestone. Coastal areas.                                                        | Jul to Sep.                 | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Myrtaceae        | Eucalyptus dolichorhyncha                | Fuchsia Mallee            | P4             | х             |      | х    | Mallee or tree, 1-5 m high. Flowers yellow. Distinct elongated operculum bud caps, differentiating from non-Threatened <i>Eucalyptus forrestiana</i> . | Sandy clay or clay. Flats. Mallee<br>Woodlands.                                                  | Jan to Mar or<br>May        | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Myrtaceae        | Eucalyptus preissiana<br>subsp. lobata   | Lobe Fruit<br>Mallee      | P4             | Х             |      | Х    | Mallee to 2.5 m high. Bark smooth. Fl. Yellow.                                                                                                         | Sand. Coastal limestone rises and sand dunes.                                                    | Nov                         | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Myrtaceae        | Eucalyptus x missilis                    |                           | P4             | х             |      | Х    |                                                                                                                                                        | Sand over limestone or granite.<br>Coastal sites.                                                | Jan-Apr                     | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Frankeniaceae    | Frankenia glomerata                      | Cluster Head<br>Frankenia | P4             |               |      | Х    | Prostrate shrub. Fl. Pink-white.                                                                                                                       | White sand.                                                                                      | Nov                         | Unlikely                                                      | Unlikely - lack of suitable habitat                             |
| Fabaceae         | Kennedia beckxiana                       | Cape Arid<br>Kennedia     | P4             | х             |      | Х    | Prostrate or twining shrub or climber. Fl. Red.                                                                                                        | Sand, loam. Granite hills & outcrops.                                                            | Sep to Dec.                 | Unlikely - outside of known distribution in Cape Arid region. | Unlikely - lack of suitable habitat                             |



### Table 13: Potential Threatened and Priority Ecological Communities located within 30km of the survey area and likelihood of occurrence analysis (post survey).

|                                                                                                                               | Status        |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                 | Post-Survey Likelihood                                           |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------|
| Community Name                                                                                                                | EPBC Act 1999 | BC Act 2016 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pre-Survey Likelihood of Occurrence                                             | of Occurrence and Survey Outcome                                 |
| Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia                     | En            | P3          | Consists of predominantly obligate seeding proteaceous shrubland and heath (Kwongkan) and mallee heath on sandplain, duplex sand/clay and gravels overlying Eocene sediments, quartzite, schist, Yilgarn and Albany Fraser granite and greenstone ranges. Its flora is characterised by high species diversity and a high degree of endemism, particularly in the Stirling Range, Fitzgerald River National Park, Ravensthorpe Range and Russell Ranges. Due to the high levels of endemism, there are few species that exist across the entire range of the dense, obligate seeding Proteaceae dominated shrublands and Kwongan of the Esperance Sandplains, however particular species have been identified as common dominant species in each of its ecodistricts (DBCA, 2015b).                                                                                                                                                                                                                                                                                                               | Likely                                                                          | Detected – within<br>Vegetation Unit 1: Nuyflo<br>and Lamine SL. |
| Subtropical and temperate coastal saltmarsh (synonymous with the Subtropical and Temperate Coastal Saltmarsh EPBC-listed TEC) | Vu            | P3          | Consists of the assemblage of plants, animals and micro-organisms associated with saltmarsh incoastal regions of sub-tropical and temperate Australia (south of 23°S latitude). It occurs on the coastal margin, along estuaries and coastal embayments and on low wave energy coast in places with at least some tidal connection, including rarely-inundated supratidal areas, intermittently opened or closed lagoons, and groundwater tidal influences. The community occurs on sandy or muddy substrate and may include coastal clay pans and similar habitats. It consists of dense to patchy areas of characteristic coastal saltmarsh plant species that include salt- tolerant herbs, succulent shrubs or grasses, and may also include bare sediment as part of the mosaic. It can occur where the proportional cover by tree canopy such as Mangroves, Melaleucas or Casuarinas or Seagrass is not greater than 50%. The description, area and condition thresholds that apply to the EPBC-listed TEC of the same name, also apply to this Priority ecological community (DoE, 2015a). | Unlikely - Survey area 10km from the coastline and no tidal interaction occurs. | Unlikely                                                         |



Table 14: Potential conservation significant fauna located within 30km of the survey area and likelihood of occurrence analysis (post survey).

Note: Species are presented based on likelihood of occurrence. Habitat information taken from publicly available resources such as: DSEWPaC (2011) Survey guidelines for Australia's Threatened mammals; DEWHA (2010) Survey guidelines for Australia's Threatened birds; SPRAT profiles and species-specific recovery plans.

| Family        | Scientific Name                      | Vernacular                                                          | Status (WA) /<br>EPBC Act | Habitat Description                                                                                                                                                                                                                                                                                                                                                                   | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present | Suitable<br>Habitat<br>Present | Species<br>Present | Comment                                                                                                                                        |
|---------------|--------------------------------------|---------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Peramelidae   | Isoodon fusciventer                  | Quenda,<br>southwestern brown<br>bandicoot                          | P4/-                      | Scrubby, often swampy, vegetation with dense cover up to 1 m high, often feeding in adjacent forest and woodland that is burnt on a regular basis. Forest, woodlands, heath and coastal scrub, usually on sandy combination soils.                                                                                                                                                    | Present                                      | High                                     | Y                              | N                  | No scats or diggings observed, however runnels detected throughout the survey area. Marginal habitat present.                                  |
| Apodidae      | Apus pacificus                       | Fork-tailed Swift                                                   | MI / MI                   | Dry or open habitats, including riparian woodland and tea-tree swamps, low scrub, heathland or saltmarsh. Almost exclusively aerial, flying from less than 1 m to at least 300 m above ground over inland plains but sometimes above foothills or in coastal areas.                                                                                                                   | Possible                                     | High                                     | Y                              | N                  | Marginal habitat available throughout the survey area in both the Nuyflo and Lamine SL and Invasive Grassland and Shrubland vegetation units.  |
| Cacatuidae    | Calyptorhynchus<br>latirostris       | Carnaby's Cockatoo,<br>White-tailed Short-<br>billed Black Cockatoo | EN / EN                   | Eucalypt woodlands, especially those that contain salmon gum and wandoo, and in shrubland or kwongan heathland dominated by hakea, dryandra, banksia and grevillea species. It also occurs in remnant patches of native vegetation on land otherwise cleared for agriculture. It also forages in forests containing marri, jarrah or karri.                                           | Possible                                     | High                                     | Υ                              | N                  | Marginal foraging habitat. No signs of species presence observed (chewed vegetation / nuts etc.). Vegetation is not suitable roosting habitat. |
| Accipitridae  | Elanus scriptus                      | Letter-winged kite                                                  | P4/-                      | Semi-desert and desert along tree-lined creeks; hunts over grasslands and other low vegetation.                                                                                                                                                                                                                                                                                       | Possible                                     | High                                     | Y                              | N                  | Marginal habitat present within the Nuyflo and Lamine SL, and Invasive Grassland and Shrubland vegetation units.                               |
| Dasyuridae    | Parantechinus apicalis               | Dibbler                                                             | EN / EN                   | Old-growth mallee heath. Prefer vegetation with a dense canopy greater than 1 m high which has been unburnt for at least 10 years or more.                                                                                                                                                                                                                                            | Possible                                     | Low                                      | Y                              | N                  | Marginal habitat present within the Nuyflo and Lamine SL vegetation unit.                                                                      |
| Muridae       | Pseudomys<br>occidentalis            | Western Mouse                                                       | P4 / -                    | Historical distribution. Preference for long unburnt habitat (between 30 and 50 yrs) on sandy clay loam or sandy loam. Vegetation in suitable habitats is variable and includes sparse low shrubland, tall dense shrubland, sparse to dense shrub mallee and mid-dense woodland. All sites where the western mouse has been collected have had patches of extremely dense vegetation. | Possible                                     | Low                                      | Υ                              | N                  | Suitable habitat present within the Nuyflo and Lamine SL vegetation unit.                                                                      |
| Muridae       | Pseudomys shortridgei                | Heath mouse, Dayang                                                 | VU/EN                     | Historical distribution. Closest recent record Ravensthorpe. Floristically-rich, dry heathland in long unburnt vegetation.                                                                                                                                                                                                                                                            | Possible                                     | Low                                      | Υ                              | N                  | Suitable habitat present within the Nuyflo and Lamine SL vegetation unit.                                                                      |
| Elapidae      | Pseudonaja affinis<br>subsp. tanneri | Pygmy Dugite                                                        | P4 / -                    | Occurs on Boxer Island and Figure of Eight Island in the Recherche Archipelago. Similar habitat to mainland P. affinis including coastal dunes, heathlands, shrublands, woodlands and forests.                                                                                                                                                                                        | Possible                                     | Low                                      | Υ                              | N                  | Suitable habitat available throughout the survey area in both the Nuyflo and Lamine SL, and Invasive Grassland and Shrubland vegetation units. |
| Elapidae      | Acanthophis antarcticus              | Southern Death Adder                                                | P3/-                      | Mallee and coastal vegetation. Prefers sites with deep fixed leaf litter.                                                                                                                                                                                                                                                                                                             | Unlikely                                     | Low                                      | N                              | N                  |                                                                                                                                                |
| Scolopacidae  | Actitis hypoleucos                   | Common Sandpiper                                                    | MI / MI                   | Almost entirely coastal, coastal wetlands and some inland wetlands, with varying levels of salinity, and is mostly found around muddy margins or rocky shores and rarely on mudflats.                                                                                                                                                                                                 | Unlikely                                     | High                                     | N                              | N                  |                                                                                                                                                |
| Scolopacidae  | Arenaria interpres                   | Ruddy Turnstone                                                     | MI / MI                   | Prefers coastal regions with exposed rock coast lines or coral reefs, platforms and shelves, often with shallow tidal pools and rocky, shingle or gravel beaches. Occasionally been sighted in estuaries, harbours, bays and coastal lagoons, among low saltmarsh or on exposed beds of seagrass, around sewage ponds and on mudflats.                                                | Unlikely                                     | High                                     | N                              | N                  |                                                                                                                                                |
| Iulomorphidae | Atelomastix anancita                 | Cape Arid atelomastix millipede                                     | VU/-                      | Currently known from Le Grand National Park within the soil and beneath rocks in montane habitat.                                                                                                                                                                                                                                                                                     | Unlikely                                     | Low                                      | N                              | N                  |                                                                                                                                                |
| Iulomorphidae | Atelomastix brennani, sp. nov        | Brennan's atelomastix millipede                                     | VU/-                      | Currently known from the soil or under granite rocks within Le Grand National Park.                                                                                                                                                                                                                                                                                                   | Unlikely                                     | Low                                      | N                              | N                  |                                                                                                                                                |
| Iulomorphidae | Atelomastix dendritica               | Recherche<br>Atelomastix millipede                                  | VU/-                      | This species is only known from two males collected from damp leaf litter on Woody Island in the Recherche Archipelago (Edward, K. L., and Harvey M. S. (2010).                                                                                                                                                                                                                       | Unlikely                                     | Low                                      | N                              | N                  |                                                                                                                                                |

59 AI005-004 7 June 2022



| Family        | Scientific Name                               | Vernacular                           | Status (WA) /<br>EPBC Act | Habitat Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present | Suitable<br>Habitat<br>Present | Species<br>Present | Comment |
|---------------|-----------------------------------------------|--------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------|--------------------|---------|
| lulomorphidae | Atelomastix grandis                           | Le Grand atelomastix millipede       | VU/-                      | Currently known from Le Grand National Park under rocks or in soil on granite outcrops and within Agonis heath.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | Low                                      | N                              | N                  |         |
| lulomorphidae | Atelomastix melindae                          | Moir's atelomastix millipede         | VU/-                      | Currently known from the rocky outcrops and heath near the summit of Mount Arid in the Cape Arid National Park, and granite outcrop and eucalypt forest of Mount Belches, near the Duke of Orleans Bay.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unlikely                                     | Low                                      | N                              | N                  |         |
| lulomorphidae | Atelomastix sarahae                           | Comer's atelomastix millipede        | VU/-                      | Currently only known from rocky outcrops near the summit of Mount Arid in the Cape Arid National Park.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unlikely                                     | Low                                      | N                              | N                  |         |
| Ardeidae      | Botaurus poiciloptilus                        | Australasian Bittern                 | EN / EN                   | Wetlands, permanent and seasonal freshwater habitats, particularly those dominated by sedges, rushes and reeds (e.g., Phragmites, Cyperus, Eleocharis, Juncus, Typha, Baumea, Bolboschoenus) or cutting grass (Gahnia) growing over a muddy or peaty substrate,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris acuminata                            | Sharp-tailed<br>Sandpiper            | MI / MI                   | Muddy edges of shallow fresh or brackish wetlands, with inundated or emergent sedges, grass, saltmarsh or other low vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris alba                                 | Sanderling                           | MI / MI                   | Almost entirely coastal mostly on open sandy beaches exposed to open sea-swell, and also on exposed sandbars and spits, and shingle banks, where they forage in the wavewash zone and amongst rotting seaweed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris canutus                              | Red Knot, knot                       | EN / EN & MI              | Intertidal mudflats, sandflats and sandy beaches of sheltered coasts, in estuaries, bays, inlets, lagoons and harbours; sometimes on sandy ocean beaches or shallow pools on exposed wave-cut rock platforms or coral reefs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris canutus subsp.<br>Rogersi            | Red Knot (north-<br>eastern Siberia) | EN / EN & MI              | Intertidal mudflats, sandflats and sandy beaches of sheltered coasts, in estuaries, bays, inlets, lagoons and harbours; sometimes on sandy ocean beaches or shallow pools on exposed wave-cut rock platforms or coral reefs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris canutus subsp. rogersi               | Red Knot (north-<br>eastern Siberia) | CR / CR & MI              | Intertidal mudflats and sandflats in sheltered coasts, including bays harbours and estuaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris ferruginea                           | Curlew Sandpiper                     | CR / CR & MI              | Intertidal mudflats in sheltered coastal areas, non-tidal swamps, lakes and lagoons near the coast, and occasionally around ephemeral and permanent lakes and dams with bare edges of mud or sand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris melanotos                            | Pectoral Sandpiper                   | MI / MI                   | Shallow fresh to saline wetlands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris ruficollis                           | Red-necked Stint                     | MI / MI                   | Coastal areas, including sheltered inlets, bays, lagoons and estuaries with intertidal mudflats; ephemeral or permanent shallow wetlands near the coast or inland, and sometimes flooded paddocks or damp grasslands (Higgins & Davies 1996).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae  | Calidris tenuirostris                         | Great Knot                           | CR / CR & MI              | Intertidal mudflats and sandflats in sheltered coasts, including bays harbours and estuaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unlikely                                     | High                                     | N                              | N                  |         |
| Anatidae      | Cereopsis<br>novaehollandiae                  | Cape Barren Goose                    | VU / VU                   | It occurs on offshore islands and rocks, and at adjacent sites on the mainland. It inhabits grasslands and low fields of succulent herbs (comprised of <i>Carpobrotus</i> sp.), and occasionally occurs in open areas in taller and denser vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unlikely                                     | High                                     | N                              | N                  |         |
| Anatidae      | Cereopsis<br>novaehollandiae<br>subsp. Grisea | Recherche Cape<br>Barren Goose       | VU / VU                   | It occurs on offshore islands and rocks, and at adjacent sites on the mainland. It inhabits grasslands and low fields of succulent herbs (comprised of Carpobrotus sp.), and occasionally occurs in open areas in taller and denser vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                                     | N                              | N                  |         |
| Charadriidae  | Charadrius bicinctus                          | Double-banded Plover                 | MI / MI                   | littoral, estuarine and fresh or saline terrestrial wetlands and also saltmarsh, grasslands and pasture. It occurs on muddy, sandy, shingled or sometimes rocky beaches, bays and inlets, harbours and margins of fresh or saline terrestrial wetlands such as lakes, lagoons and swamps, shallow estuaries and rivers. The species is sometimes associated with coastal lagoons, inland saltlakes and saltworks. It is also found on seagrass beds, especially Zostera, which, when exposed at low tide, remain heavily saturated or have numerous water-filled depressions. This species sometimes utilises kelp beds found on open grassy areas including short pasture, ploughed or newly cropped paddocks, swards, airstrips, and sports grounds such as golf courses or race-tracks near the coast and further inland. | Unlikely                                     | High                                     | N                              | N                  |         |



| Family       | Scientific Name               | Vernacular                              | Status (WA) /<br>EPBC Act                                  | Habitat Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present | Suitable<br>Habitat<br>Present | Species<br>Present | Comment |
|--------------|-------------------------------|-----------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------|--------------------|---------|
| Charadriidae | Charadrius<br>leschenaultii   | Greater Sand Plover                     | VU / VU & MI                                               | Almost entirely coastal, inhabiting littoral and estuarine habitats. Mainly occur on sheltered sandy, shelly or muddy beaches with large intertidal mudflats or sandbanks, as well as sandy estuarine lagoons. Seldom occur at shallow freshwater wetlands.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unlikely                                     | High                                     | N                              | N                  |         |
| Dasyuridae   | Dasyurus geoffroii            | Chuditch, Western<br>Quoll              | VU / VU                                                    | Woodland or forest. Logs must have a diameter > 30 cm and a hollow with 7–20 cm diameter and 1 m length (Dunlop and Morris 2012). Burrows are constructed beneath habitat features such as stumps, logs, trees or rock outcrops.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                                     | N                              | N                  |         |
| Falconidae   | Falco hypoleucos              | Grey Falcon                             | VU / -                                                     | Usually in lightly timbered country, especially stony plains and lightly timbered acacia shrublands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unlikely                                     | High                                     | N                              | N                  |         |
| Falconidae   | Falco peregrinus              | Peregrine Falcon                        | OS / -                                                     | It requires abundant prey and secure nest sites, and prefers coastal and inland cliffs or open woodlands near water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae | Gallinago megala              | Swinhoe's Snipe                         | MI / MI                                                    | Dense clumps of grass and rushes round the edges of fresh and brackish wetlands. This includes swamps, billabongs, river pools, small streams and sewage ponds. They are also found in drying claypans and inundated plains pitted with crab holes.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae | Gallinago stenura             | Pin-tailed Snipe                        | MI / MI                                                    | Occurs most often in or at the edges of shallow freshwater swamps, ponds and lakes with emergent, sparse to dense cover of grass/sedge or other vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unlikely                                     | High                                     | N                              | N                  |         |
| Laridae      | Hydroprogne caspia            | Caspian Tern                            | MI / MI                                                    | Sheltered coastal embayments (harbours, lagoons, inlets, bays, estuaries and river deltas) and those with sandy or muddy margins are preferred. They also occur on near-coastal or inland terrestrial wetlands that are either fresh or saline, especially lakes (including ephemeral lakes), waterholes, reservoirs, rivers and creeks.                                                                                                                                                                                                                                                                                                                                                                      | Unlikely                                     | High                                     | N                              | N                  |         |
| Megapodiidae | Leipoa ocellata               | Malleefowl                              | VU / VU                                                    | Arid and semi-arid areas dominated by mallee eucalypts on sandy soils. They are known to also occur in Mulga ( <i>Acacia aneura</i> ), Broombush ( <i>Melaleuca uncinata</i> ), Scrub Pine ( <i>Callitris verrucosa</i> ), Eucalyptus woodlands and coastal heathlands. Malleefowl require abundant leaf litter and a sandy substrate for the successful construction of nest mounds.                                                                                                                                                                                                                                                                                                                         | Unlikely                                     | Moderate                                 | N                              | N                  |         |
| Scolopacidae | Limicola falcinellus          | Broad-billed<br>Sandpiper               | MI / MI                                                    | Sheltered parts of the coast, favouring estuarine mudflats but also occasionally occur on saltmarshes, shallow freshwater lagoons, saltworks and sewage farms, and in areas with large soft intertidal mudflats, which may have shell or sandbanks nearby. Occasionally they occur on reefs or rocky platforms. They have also been recorded in creeks, swamps and lakes near the coast, particularly those with bare mudflats or sand exposed by receding water.                                                                                                                                                                                                                                             | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae | Limosa lapponica<br>menzbieri | Northern Siberian Bar-<br>tailed Godwit | CR (& MI at<br>sp. level) / CR<br>(& MI at sp.<br>level) / | Occurs mainly in coastal habitats such as large intertidal sandflats, banks, mudflats, estuaries, inlets, harbours, coastal lagoons and bays. It has also been recorded in coastal sewage farms and saltworks, saltlakes and brackish wetlands near coasts, sandy ocean beaches, rock platforms, and coral reef-flats.                                                                                                                                                                                                                                                                                                                                                                                        | Unlikely                                     | High                                     | N                              | N                  |         |
| Motacillidae | Motacilla cinerea             | Grey Wagtail                            | MI / MI                                                    | Species has a strong association with water (wetlands, water courses banks of lakes and marshes, artificial wetlands).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unlikely                                     | High                                     | N                              | N                  |         |
| Macropodidae | Notamacropus irma             | Western Brush<br>Wallaby                | P4 / -                                                     | Preferred habitat includes open forest or woodland, particularly open, seasonally-wet flats with low grasses and open scrubby thickets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae | Numenius<br>madagascariensis  | Eastern Curlew                          | CR / CR & MI                                               | Intertidal mudflats and sandflats, often with beds of seagrass, on sheltered coasts, especially estuaries, mangrove swamps, bays, harbours and lagoons.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unlikely                                     | High                                     | N                              | N                  |         |
| Scolopacidae | Numenius minutus              | Little Curlew                           | MI / MI                                                    | Pools, river beds and water-filled tidal channels, and shallow water at edges of billabongs. The species prefers pools with bare dry mud (including mudbanks in shallow water) and they do not use pools if they are totally dry, flooded or heavily vegetated. Feed in short, dry grassland and sedgeland, including dry floodplains and blacksoil plains, which have scattered, shallow freshwater pools or areas seasonally inundated. Open woodlands with a grassy or burnt understorey, dry saltmarshes, coastal swamps, mudflats or sandflats of estuaries or beaches on sheltered coasts, mown lawns, gardens, recreational areas, ovals, racecourses and verges of roads and airstrips are also used. | Unlikely                                     | High                                     | N                              | N                  |         |



| Scientific Name        | Vernacular                                                                                                                                                                                                                                                                                                                | Status (WA) /<br>EPBC Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Habitat Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Suitable<br>Habitat<br>Present                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Onychoprion            | Bridled Tern                                                                                                                                                                                                                                                                                                              | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Occupy tropical and subtropical seas, breeding on islands, including vegetated coral cays, rocky continental islands and rock stacks. Bridled Terns are only rarely found in inshore continental waters and along mainland coastlines, though the species is reported to breed on the mainland of far southern Western Australia (Higgins & Davies 1996; Johnstone & Storr 1998)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                            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| Oxyura australis       | Blue-billed Duck                                                                                                                                                                                                                                                                                                          | P4 / -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prefers deep water in large permanent wetlands and swamps with dense aquatic vegetation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unlikely                                     | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Pandion haliaetus      | Osprey                                                                                                                                                                                                                                                                                                                    | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Littoral and coastal habitats and terrestrial wetlands and offshore islands. Requires extensive areas of open fresh, brackish or saline water for foraging.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unlikely                                     | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Petrogale lateralis    | Black-flanked Rock-<br>wallaby                                                                                                                                                                                                                                                                                            | EN / EN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Varies depending on distributional location. Habitat critical to their survival is rocky substrates which have extensive development of multi-entranced caves, rock-piles and crevices that provide cool refuges from extremes of heat and protection from predators (DPaW, 2013).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Pezoporus flaviventris | Western Ground<br>Parrot                                                                                                                                                                                                                                                                                                  | CR/CR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Preferred habitat includes low coastal and near coastal heathlands, unburnt for at least five years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unlikely                                     | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Phascogale calura      | Red Tailed<br>Phascogale,<br>Kenngoor                                                                                                                                                                                                                                                                                     | CD/VU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Inhabits Wandoo ( <i>Eucalyptus wandoo</i> ) and Sheoak ( <i>Allocasuarina huegeliana</i> ) woodland associations, with populations being most dense in the latter vegetation type. They show a preference for long unburnt habitat with a continuous canopy, as well as tree hollows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unlikely                                     | Low                                                                           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| Plegadis falcinellus   | Glossy Ibis                                                                                                                                                                                                                                                                                                               | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fresh water marshes at the edges of lakes and rivers, lagoons, flood-plains, wet meadows, swamps, reservoirs, sewage ponds, rice-fields and cultivated areas under irrigation. The species is occasionally found in coastal locations such as estuaries, deltas, saltmarshes and coastal lagoons.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unlikely                                     | High                                                                     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| Pluvialis fulva        | Pacific Golden Plover                                                                                                                                                                                                                                                                                                     | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Coastal habitats, occasionally fresh, brackish or saline wetlands or claypans especially with muddy margins and often with submerged vegetation or short emergent grass. Other terrestrial habitats include short grass in paddocks, or ploughed or recently burnt areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unlikely                                     | High                                                               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| Pluvialis squatarola   | Grey Plover                                                                                                                                                                                                                                                                                                               | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sheltered embayments, estuaries and lagoons with mudflats and sandflats; terrestrial wetlands such as near-coastal lakes and swamps, or salt-lakes (Marchant & Higgins 1993).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Sternula nereis        | Australian Fairy Tern                                                                                                                                                                                                                                                                                                     | VU / VU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Coastal areas and embayments of a variety of habitats including offshore, estuarine or lacustrine (lake) islands, wetlands and mainland coastline.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Tringa brevipes        | Grey-tailed Tattler                                                                                                                                                                                                                                                                                                       | MI & P4 / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Typical habitat is often found to be sheltered coasts with reefs and rock platforms or with intertidal mudflats.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Tringa glareola        | Wood Sandpiper                                                                                                                                                                                                                                                                                                            | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Inland shallow freshwater wetlands, often with other waders. They prefer ponds and pools with emergent reeds and grass, surrounded by tall plants or dead trees and fallen timber.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unlikely                                     | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Tringa nebularia       | Common<br>Greenshank,<br>greenshank                                                                                                                                                                                                                                                                                       | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Typical habitat is often found to be sheltered coasts with reefs and rock platforms or with intertidal mudflats.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unlikely                                     | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Tringa stagnatilis     | Marsh Sandpiper                                                                                                                                                                                                                                                                                                           | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Prefers permanent or ephemeral wetlands of varying salinity, including swamps, lagoons, billabongs, saltpans, saltmarshes, estuaries, pools on inundated floodplains, and intertidal mudflats and also regularly at sewage farms and saltworks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Zephyrarchaea marki    | Cape Le Grand<br>Assassin Spider                                                                                                                                                                                                                                                                                          | VU/-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Elevated leaf litter in Banksia speciosa thickets. Currently known from Cape Le Grand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unlikely                                     | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Ardenna carneipes      | Flesh-footed<br>Shearwater                                                                                                                                                                                                                                                                                                | VU / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mainly occurs in the subtropics over continental shelves and slopes and occasionally inshore waters. Breeds on islands in burrows on sloping ground in coastal forest, scrubland, shrubland or grassland.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Highly Unlikely                              | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Ardenna tenuirostris   | Short-tailed<br>Shearwater                                                                                                                                                                                                                                                                                                | MI / MI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Found in coastal waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Highly Unlikely                              | High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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|                        | Onychoprion anaethetus  Oxyura australis  Pandion haliaetus  Petrogale lateralis  Pezoporus flaviventris  Phascogale calura  Plegadis falcinellus  Pluvialis fulva  Pluvialis squatarola  Sternula nereis  Tringa brevipes  Tringa glareola  Tringa nebularia  Tringa stagnatilis  Zephyrarchaea marki  Ardenna carneipes | Onychoprion anaethetus  Discrete Pandion haliaetus  Pandion haliaetus  Petrogale lateralis  Pezoporus flaviventris  Phascogale calura  Plegadis falcinellus  Pluvialis fulva  Pluvialis squatarola  Sternula nereis  Tringa brevipes  Tringa glareola  Tringa nebularia  Plesh-footed Shearwater  Short-tailed  Pluvialied Duck  Blue-billed Duck  Rock-wallaby  Western Ground  Parrot  Red Tailed Phascogale, Kenngoor  Ground  Parrot  Ground  Parrot  Ground  Parrot  Ground  Parrot  Red Tailed Phascogale, Kenngoor  Grey Plover  Pluvialis fulva  Pacific Golden Plover  Sternula nereis  Australian Fairy Tern  Tringa brevipes  Grey-tailed Tattler  Tringa glareola  Wood Sandpiper  Cape Le Grand Assassin Spider  Flesh-footed Shearwater  Short-tailed | Scientific Name       Vernacular       EPBC Act         Onychoprion anaethetus       Bridled Tern       MI / MI         Oxyura australis       Blue-billed Duck       P4 / -         Pandion haliaetus       Osprey       MI / MI         Petrogale lateralis       Black-flanked Rock-wallaby       EN / EN         Petrogale lateralis       Western Ground Parrot       CR / CR         Red Tailed Phascogale, Kenngoor       CD / VU         Plegadis falcinellus       Glossy Ibis       MI / MI         Pluvialis fulva       Pacific Golden Plover       MI / MI         Pluvialis squatarola       Grey Plover       MI / MI         Sternula nereis       Australian Fairy Tern       VU / VU         Tringa brevipes       Grey-tailed Tattler       MI & P4 / MI         Tringa glareola       Wood Sandpiper       MI / MI         Tringa nebularia       Common Greenshank, greenshank       MI / MI         Tringa stagnatilis       Marsh Sandpiper       MI / MI         Zephyrarchaea marki       Cape Le Grand Assassin Spider         Ardenna carneipes       Short-tailed | Scientific Name                              | Scientific Name  Vernacular  Scientific Name  Vernacular  Coccupy tropical and substropcoal seas, breeding on islands, including vegetated oral cays survey or contenental waters and along maintand coastlines, though the species is reported to breed on the maintained of far southern Western Australia (Higgins & Devices 1996, Johnstone & Unitikely  Drysura australia  Drysura australia  Bitue-Billed Term  M / Mi  Stor 1999.  Drysier's deep water in large parmanent wetlands and swamps with dense aquatic vegetation.  Unitikely  Unitikely | Scientific Name   Vernacular   EPBC Act   Habitat Description   Cocupy tropical and subtropical seas, breeding on islands, including vegeleted coral cays, cocky continental silands and rock stacks. Bridget Tens are only rarely found in insider continental veteral coastines, though the species is reported to breed on the maintain of far southern Western Australa (Higgs) as 2 Abves 1996. Volume in inside continental veteral coastines, though the species is reported to breed on the maintain of far southern Western Australa (Higgs) as 2 Abves 1996. Volume in inside continental veteral coastines, though the species is reported to breed on the maintain of far southern Western Australa (Higgs) as 2 Abves 1996. Volume in inside continental veteral coastines, though the species is reported to bree don't be maintained of far southern Western Australa (Higgs) as 2 Abves 1996. Volume in inside continents and everages with dense aquatic vegetation.    Particlin habitatis and terrestrial wetlands and everages with dense aquatic vegetation.   Unlikely   High   Unlikely | Scientific Name   Vernacular   EPBC.Act   Pablata Description   Courty-oparior and subtropical seas. Streeding on Islands, including vagalished cornicays.   Courty-oparior and subtropical seas. Streeding on Islands, including vagalished cornicays.   Courty-oparior and value and object and subtropical seas. Streeding on Islands, including vagalished cornicays.   Courty-oparior and value and object and subtropical seas. Streeding on Islands, including vagalished cornicays.   Courty-oparior and value and object a | Schertific Name Vernaculur Silver (PR) Septic Act Deptical and subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands, including vegetated corar days, rocky or mineral subtropocal seasus breeding on islands. Including vegetated corar days, rocky or mineral coastifications, and the management of the responsibility. In the management of the responsibility of the management of the responsibility. In the management of the responsibility of the responsibility of the responsibility. In the management of the responsibility of the responsibility. In the management of the responsibility of the responsibility. In the management of the responsibility of the responsibility. In the management of the responsibility of the responsibility of the responsibility of the responsibility. In the responsibility of the responsibility |



| Family         | Scientific Name                       | Vernacular                       | Status (WA) /<br>EPBC Act                                                     | Habitat Description                                                                                                                                                                                                                                                                                                                            | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present | Suitable<br>Habitat<br>Present | Species<br>Present | Comment |
|----------------|---------------------------------------|----------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------|--------------------|---------|
| Charadriidae   | Charadrius mongolus                   | Lesser Sand Plover               | EN / EN & MI                                                                  | Inhabits large intertidal sandflats or mudflats in sheltered bays, harbours and estuaries, and occasionally sandy ocean beaches, coral reefs, wave-cut rock platforms and rocky outcrops.                                                                                                                                                      | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Diomedea antipodensis                 | Antipodean Albatross             | EN / VU & MI                                                                  | Marine, pelagic and aerial species. Nests in open patchy vegetation, such as among tussock grassland or shrubs on ridges, slopes and plateaus.                                                                                                                                                                                                 | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Diomedea dabbenena                    | Tristan Albatross                | CR/ EN & MI                                                                   | Marine, pelagic seabird that sleeps and rests on ocean waters when not breeding.                                                                                                                                                                                                                                                               | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Diomedea epomophora                   | Southern Royal<br>Albatross      | VU / VU & MI                                                                  | Marine, pelagic seabird that sleeps and rests on ocean waters when not breeding.                                                                                                                                                                                                                                                               | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Diomedea exulans                      | Wandering Albatross              | VU / VU & MI                                                                  | Marine, pelagic seabird that sleeps and rests on ocean waters when not breeding.                                                                                                                                                                                                                                                               | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Diomedea sanfordi                     | Northern Royal<br>Albatross      | EN / EN & MI                                                                  | Marine, pelagic and aerial. Habitat includes subantarctic, subtropical, and occasionally Antarctic waters.                                                                                                                                                                                                                                     | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Geotriidae     | Geotria australis                     | Pouched Lamprey                  | P3/-                                                                          | Species is anadromous and requires estuaries and coastal waters connected to freshwater rivers and streams with slow flowing, fine sediment microhabitats where spawning and development of ammocoetes occurs.                                                                                                                                 | Highly Unlikely                              | Low                                      | N                              | N                  |         |
| Procellariidae | Halobaena caerulea                    | Blue Petrel                      | - / VU                                                                        | Pelagic, occasionally over shallow waters.                                                                                                                                                                                                                                                                                                     | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Scolopacidae   | Limosa lapponica                      | Bar-tailed Godwit                | MI (& VU or<br>CR at subsp.<br>level) / MI (&<br>VU or CR at<br>subsp. level) | Inhabit estuarine mudflats, beaches and mangroves.                                                                                                                                                                                                                                                                                             | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Procellariidae | Macronectes giganteus                 | Southern Giant-Petrel            | MI / VU & MI                                                                  | Marine; Antarctic to subtropical waters.                                                                                                                                                                                                                                                                                                       | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Procellariidae | Macronectes halli                     | Northern Giant Petrel            | MI / EN & MI                                                                  | Marine, oceanic; mainly in subantarctic waters.                                                                                                                                                                                                                                                                                                | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Procellariidae | Pachyptila turtur subantarctica       | Fairy Prion (southern)           | -/ VU                                                                         | Sub-antartic seas and islands while breeding. Subtropical seas non breeding time; rarely inshore expect when sheltering from storms.                                                                                                                                                                                                           | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Hydryphantidae | Pseudohydryphantes<br>doegi           | Doeg's Watermite                 | P2/-                                                                          | Pseudohydryphantes is a genus of water mites that are found in lentic (still fresh water) and lotic (moving fresh water).                                                                                                                                                                                                                      | Highly Unlikely                              | Low                                      | N                              | N                  |         |
| Procellariidae | Pterodroma mollis                     | Soft-plumaged Petrel             | - / VU                                                                        | Is a marine, oceanic species.                                                                                                                                                                                                                                                                                                                  | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Stercorariidae | Stercorarius<br>antarcticus           | Brown Skua                       | P4 / -                                                                        | Marine, oceanic species.                                                                                                                                                                                                                                                                                                                       | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Stercorariidae | Stercorarius<br>antarcticus lonnbergi | brown skua,<br>Subantarctic skua | P4 / -                                                                        | Marine, oceanic species.                                                                                                                                                                                                                                                                                                                       | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Stercorariidae | Stercorarius parasiticus              | Parasitic jaeger                 | MI / MI                                                                       | Non nonbreeding months subtropical and sub-Antartic seas, inshore waters, shallow waters of the continental shelf and into bays estuaries and harbours.                                                                                                                                                                                        | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Thalassarche carteri                  | Indian Yellow-nosed<br>Albatross | EN / VU & MI                                                                  | Marine bird, located in subtropical and warmer subantarctic waters (Marchant & Higgins 1990).                                                                                                                                                                                                                                                  | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Thalassarche cauta                    | Shy Albatross                    | VU / VU & MI                                                                  | Marine species. Breeds on rock islands.                                                                                                                                                                                                                                                                                                        | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Thalassarche cauta steadi             | White-capped<br>Albatross        | VU / VU & MI                                                                  | Shelf-waters around breeding islands and over adjacent rises. During the non-breeding season, birds have been observed over continental shelves around continents. The species occurs both inshore and offshore and enters harbours and bays. The species is scarce in pelagic waters. Birds gather to scavenge at commercial fishing grounds. | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Thalassarche chlororhynchos           | Atlantic Yellow-nosed Albatross  | VU / MI                                                                       | Marine species. Builds nests built on tussock grass, on rocks and under trees.                                                                                                                                                                                                                                                                 | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae    | Thalassarche impavida                 | Campbell Albatross               | VU / VU & MI                                                                  | Marine sea bird inhabiting sub-Antarctic and subtropical waters from pelagic to shelf-break water habitats.                                                                                                                                                                                                                                    | Highly Unlikely                              | High                                     | N                              | N                  |         |



| Family       | Scientific Name             | Vernacular                        | Status (WA) /<br>EPBC Act | Habitat Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Likelihood of<br>Occurrence (Post<br>Survey) | Likelihood of<br>Detection if<br>Present | Suitable<br>Habitat<br>Present | Species<br>Present | Comment |
|--------------|-----------------------------|-----------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|--------------------------------|--------------------|---------|
| Diomedeidae  | Thalassarche<br>melanophris | Black-browed<br>Albatross         | EN / VU & MI              | Marine species that inhabits Antarctic, subantarctic and temperate waters and occasionally enters the tropics.                                                                                                                                                                                                                                                                                                                                                                                   | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Diomedeidae  | Thalasseus bergii           | Crested Tern                      | MI / MI                   | Tropical and subtropical coastlines, foraging in the shallow waters of lagoons, coral reefs, estuaries, bays, harbours and inlets, along sandy, rocky, coral or muddy shores, on rocky outcrops in open sea, in mangrove swamps and also far out to sea on open water. It shows a preference for nesting on offshore islands, low-lying coral reefs, sandy or rocky coastal islets, coastal spits, lagoon mudflats, and artificial islets in saltpans and sewage works within 3 km of the coast. | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Charadriidae | Thinornis rubricollis       | Hooded Plover,<br>Hooded Dotterel | P4 / -                    | Ocean sandy beaches and coastal lakes.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Highly Unlikely                              | High                                     | N                              | N                  |         |
| Bivalvia     | Westralunio carteri         | Carter's Freshwater<br>Mussel     | VU / -                    | Patchily distributed in sandy/muddy sediments of freshwater lakes, rivers and streams with greatest densities associated with woody debris and overhanging riparian vegetation near stream banks and edges of lakes/dams.                                                                                                                                                                                                                                                                        | Highly Unlikely                              | High                                     | N                              | N                  |         |



# **Appendix C**

Conservation Status Definitions and Condition Scale



### Table 15: Conservation code definitions for flora and fauna as listed as Threatened or specially protected.

Threatened, Extinct and Specially Protected fauna or flora are species 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.

| Threat Category                                                      | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Threatened - Critically endangered                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| species (CR)                                                         | Facing an extremely high risk of extinction in the wild in the immediate future.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Threatened - Endangered species (EN)                                 | Facing a very high risk of extinction in the wild in the near future.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Threatened - Vulnerable species (VU)                                 | Facing a high risk of extinction in the wild in the medium-term future.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Threatened - Extinct (EX)                                            | There is no reasonable doubt that the last member of the species has died.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Threatened – Extinct in the wild (EW)                                | Species 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                      | 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; 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 |
| Specially protected species - Migratory species (MI)                 | international agreements or treaties, excluding species that are listed as Threatened species.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Specially protected species –<br>Conservation Dependent (CD)         | Fauna of special conservation need being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as Threatened.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specially protected species – Other specially protected species (OS) | Fauna otherwise in need of special protection to ensure their conservation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Table 16: Conservation code definitions for flora and fauna as listed as Priority.

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.

| Threat Category                                                                    | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                                                                                                                                                           |
| 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.                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.                                                                                                                                                                                                                                                                                                                                                                                       |
| Priority 4: Rare, Near<br>Threatened and other<br>species in need of<br>monitoring | <ul> <li>(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.</li> <li>(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.</li> <li>(c) Species that have been removed from the list of Threatened species during the past five years for reasons other than taxonomy.</li> </ul> |



Table 17: Conservation code definitions for ecological communities listed as Threatened (TEC).

| Threat Category                 | Definition                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Presumed Totally Destroyed (PD) | An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.                                                        |
| Critically Endangered (CR)      | An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.               |
| Endangered (EN)                 | An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or was originally of limited distribution and is in danger of significant modification throughout its range or severe modification or destruction over most of its range in the near future.                                                                                   |
| Vulnerable (VU)                 | An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatening processes continue or begin operating throughout its range. |

### Table 18: Conservation code definitions for ecological communities listed as Priority (PEC).

Possible Threatened ecological communities that do not meet survey criteria or that are not adequately defined are added to the Priority Ecological Community List under priorities 1, 2 and 3.

| Threat Category     | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Priority One (P1)   | Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤5 occurrences or a total area of ≤100ha), and appear to be under immediate threat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Priority Two (P2)   | Communities that are known from few occurrences with a restricted distribution (generally ≤10 occurrences or a total area of ≤200ha). At least some occurrences are not believed to be under immediate threat (within approximately 10 years) of destruction or degradation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Priority Three (P3) | (i)Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or: (ii)communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat (within approximately 10 years), or; (iii)communities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, inappropriate fire regimes, clearing, hydrological change etc. |
| Priority Four (P4)  | Ecological communities that are adequately known, rare but not Threatened or meet criteria for Near Threatened, or that have been recently removed from the Threatened list. These communities require regular monitoring.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Priority Five (P5)  | Conservation Dependent ecological communities that are not Threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming Threatened within five years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



### Table 19: Condition Rating Scale (adapted from Keighery 1994) outlined in EPA (2016a).

| Vegetation Condition Rating | Description                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------|
| D: #                        | Pristine or nearly so, no obvious signs of disturbance or damage caused by human           |
| Pristine                    | activities since European settlement.                                                      |
|                             | Vegetation structure intact, disturbance affecting individual species and weeds are        |
|                             | non-aggressive species. Damage to trees caused by fire, the presence of non-               |
| Excellent                   | aggressive weeds and occasional vehicle tracks.                                            |
|                             | Vegetation structure altered, obvious signs of disturbance. Disturbance to vegetation      |
|                             | structure caused by repeated fires, the presence of some more aggressive weeds,            |
| Very good                   | dieback, logging and grazing.                                                              |
|                             | 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    |
| Good                        | clearing, dieback and grazing.                                                             |
|                             | 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    |
| Degraded                    | aggressive weeds at high density, partial clearing, dieback and grazing.                   |
|                             | 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     |
| Completely Degraded         | shrubs.                                                                                    |



# **Appendix D**

Species Lists and Relevé Data



Table 20: Flora Species List recorded within survey area.

| Family           | Genus            | Species                  | Common Name          | Invasive | Cons Code |
|------------------|------------------|--------------------------|----------------------|----------|-----------|
| Anarthriaceae    | Anarthria        | gracilis                 |                      |          |           |
| Anarthriaceae    | Anarthria        | scabra                   |                      |          |           |
| Araliaceae       | Trachymene       | pilosa                   | Native Parsnip       |          |           |
| Asparagaceae     | Laxmannia        | minor                    |                      |          |           |
| Asparagaceae     | Lomandra         | hastilis                 |                      |          |           |
| Asparagaceae     | Patersonia       | patersonii               | Twining Fringe Lilly |          |           |
| Asteraceae       | Arctotheca       | calendula                | Cape Weed            | Χ        |           |
| Asteraceae       | Blennospora      | drummondii               |                      |          |           |
| Asteraceae       | Conyza           | sp.                      | Fleabane             | Χ        |           |
| Asteraceae       | Gnephosis        | tenuissima               |                      |          |           |
| Asteraceae       | Hypochaeris      | glabra                   | Silky Cat Ears       | Χ        |           |
| Asteraceae       | Hypochaeris      | radiata                  | Flat Weed            | X        |           |
| Asteraceae       | Pseudognaphalium | luteoalbum               | Jersey Cudweed       | Χ        |           |
| Asteraceae       | Pterochaeta      | paniculata               | Woolly Waitzia       |          |           |
| Asteraceae       | Siloxerus        | filifolius               |                      |          |           |
| Asteraceae       | Ursinia          | anthemoides              | Ursinia              | Χ        |           |
| Asteraceae       | Vellereophyton   | dealbatum                | White Cudweed        | Χ        |           |
| Brassicaceae     | Sinapis          | sp.                      | Wild Mustard         | Χ        |           |
| Campanulaceae    | Wahlenbergia     | capensis                 | Cape Bluebell        | X        |           |
| Casuarinaceae    | Allocasuarina    | humilis                  | Dwarf Sheoak         |          |           |
| Centrolepidaceae | Centrolepis      | aristata                 | Pointed Centrolepis  |          |           |
| Centrolepidaceae | Centrolepis      | strigosa subsp. strigosa | Hairy Centrolepis    |          |           |
| Cyperaceae       | Caustis          | dioica                   | Puzzle Grass         |          |           |
| Cyperaceae       | Chaetospora      | curvifolia               |                      |          |           |
| Cyperaceae       | Cyathochaeta     | equitans                 | Tibetan Flags        |          |           |
| Cyperaceae       | Ficinia          | nodosa                   | Knotted Club rush    |          |           |
| Cyperaceae       | Lepidosperma     | gracile                  | Slender Sword Sedge  |          |           |



| Family       | Genus         | Species                          | Common Name          | Invasive       | Cons Code |
|--------------|---------------|----------------------------------|----------------------|----------------|-----------|
| Cyperaceae   | Lepidosperma  | squamatum                        |                      |                |           |
| Cyperaceae   | Machaerina    | juncea                           | Bare Twig Rush       | Bare Twig Rush |           |
| Cyperaceae   | Mesomelaena   | tetragona                        | Semaphore sedge      |                |           |
| Cyperaceae   | Schoenus      | nanus                            | Tiny Bog Rush        |                |           |
| Cyperaceae   | Schoenus      | pleiostemoneus                   |                      |                |           |
| Cyperaceae   | Tricostularia | aphylla                          | Medusa Sedge         |                |           |
| Dilleniaceae | Hibbertia     | andrewsiana                      |                      |                |           |
| Dilleniaceae | Hibbertia     | gracilipes                       | Australian Buttercup |                |           |
| Dilleniaceae | Hibbertia     | lineata                          |                      |                |           |
| Dilleniaceae | Hibbertia     | racemosa                         | Cut Leaf Hibbertia   |                |           |
| Droseraceae  | Drosera       | drummondii                       |                      |                |           |
| Droseraceae  | Drosera       | zonaria                          | Painted Sundew       |                |           |
| Ericaceae    | Andersonia    | parvifolia                       |                      |                |           |
| Ericaceae    | Leucopogon    | obovatus                         |                      |                |           |
| Ericaceae    | Leucopogon    | sp. Coujinup (M.A. Burgman 1085) |                      |                |           |
| Ericaceae    | Needhamiella  | pumilio                          |                      |                |           |
| Fabaceae     | Acacia        | aemula                           |                      |                |           |
| Fabaceae     | Acacia        | cyclops                          | Coastal Wattle       |                |           |
| Fabaceae     | Acacia        | maxwellii                        |                      |                |           |
| Fabaceae     | Acacia        | pulchella var goadbyi            | Prickly Moses        |                |           |
| Fabaceae     | Acacia        | saligna                          | Orange Wattle        |                |           |
| Fabaceae     | Daviesia      | apiculata                        |                      |                |           |
| Fabaceae     | Daviesia      | incrassata subsp. incrassata     |                      |                |           |
| Fabaceae     | Gompholobium  | tomentosum                       | Hairy Wedge Pea      |                |           |
| Fabaceae     | Jacksonia     | spinosa                          |                      |                |           |
| Fabaceae     | Ornithopus    | compressus                       | Yellow Serradella    | X              |           |
| Fabaceae     | Sphaerolobium | vimineum                         | Leafless Globe Pea   |                |           |
| Fabaceae     | Viminaria     | juncea                           | Swishbush            |                |           |



| Family            | Genus        | Species                        | Common Name              | Invasive | Cons Code |
|-------------------|--------------|--------------------------------|--------------------------|----------|-----------|
| Geraniaceae       | Pelargonium  | capitatum                      | Rose Pelargonium         | Χ        |           |
| Goodeniaceae      | Goodenia     | trinervis                      |                          |          |           |
| Haemodoraceae     | Anigozanthos | rufus                          | Esperance Kangaroo Paw   |          |           |
| Haemodoraceae     | Conostylis   | bealiana                       | Angel Trumpet            |          |           |
| Haemodoraceae     | Conostylis   | seorsifolia subsp. seorsifolia |                          |          |           |
| Haemodoraceae     | Conostylis   | serrulata                      |                          |          |           |
| Haemodoraceae     | Haemodorum   | spicatum                       | Blood root               |          |           |
| Hemerocallidaceae | Chamaescilla | corymbosa                      | Blue Squill              |          |           |
| Hemerocallidaceae | Dianella     | brevicaulis                    | Australian Flax Lilly    |          |           |
| Hemerocallidaceae | Johnsonia    | acaulis                        | Hooded Lilly             |          |           |
| Iridaceae         | Patersonia   | lanata                         | Woolly Patersonia        |          |           |
| Iridaceae         | Patersonia   | occidentalis                   | Purple Flag              |          |           |
| Iridaceae         | Romulea      | rosea                          | Guildford Grass          | Χ        |           |
| Iridaceae         | Watsonia     | meriana                        | Watsonia; Bugle Flag     | Χ        |           |
| Lauraceae         | Cassytha     | sp.                            |                          |          |           |
| Loganiaceae       | Logania      | micrantha                      |                          |          |           |
| Loranthaceae      | Nuytsia      | floribunda                     | Munji; Christmas Tree    |          |           |
| Malvaceae         | Alyogyne     | hakeifolia                     | Native Hibiscus          |          |           |
| Malvaceae         | Stenanthera  | localis                        |                          |          |           |
| Myrtaceae         | Astartea     | astarteoides                   |                          |          |           |
| Myrtaceae         | Astartea     | reticulata                     |                          |          | P3        |
| Myrtaceae         | Calothamnus  | gracilis                       | One-sided Bottlebrush    |          |           |
| Myrtaceae         | Calytrix     | decandra                       | Pink Starflower          |          |           |
| Myrtaceae         | Calytrix     | leschenaultii                  |                          |          |           |
| Myrtaceae         | Conothamnus  | aureus                         |                          |          |           |
| Myrtaceae         | Eucalyptus   | discreta                       | Mount Ragged Mallee      |          |           |
| Myrtaceae         | Eucalyptus   | pleurocarpa                    | Tallerack, Silver Mallee |          |           |



| Family         | Genus         | Species                     | Common Name              | Invasive | Cons Code |
|----------------|---------------|-----------------------------|--------------------------|----------|-----------|
| Myrtaceae      | Leptospermum  | laevigatum                  | Victorian Tea Tree       | Х        |           |
| Myrtaceae      | Leptospermum  | oligandrum                  |                          |          |           |
| Myrtaceae      | Melaleuca     | brevifolia                  |                          |          |           |
| Myrtaceae      | Melaleuca     | cuticularis                 | Saltwater Paperbark      |          |           |
| Myrtaceae      | Melaleuca     | pulchella                   | Crab Claw Flower         |          |           |
| Myrtaceae      | Melaleuca     | striata                     |                          |          |           |
| Myrtaceae      | Melaleuca     | thymoides                   |                          |          |           |
| Myrtaceae      | Melaleuca     | tuberculata var macrophylla |                          |          |           |
| Myrtaceae      | Micromyrtus   | elobata subsp. elobata      |                          |          |           |
| Myrtaceae      | Oxymyrrhine   | gracilis                    |                          |          |           |
| Myrtaceae      | Phymatocarpus | maxwellii                   |                          |          |           |
| Myrtaceae      | Taxandria     | spathulata                  |                          |          |           |
| Myrtaceae      | Verticordia   | minutifolia                 |                          |          |           |
| Myrtaceae      | Verticordia   | plumosa var grandiflora     | Plumed Feather Flower    |          |           |
| Orchidaceae    | Caladenia     | decora                      | Esperance King Spider    |          |           |
| Orchidaceae    | Caladenia     | flava                       | Cowslip Orchid           |          |           |
| Orchidaceae    | Caladenia     | sp.                         |                          |          |           |
| Orchidaceae    | Disa          | bracteata                   | South African Orchid     | X        |           |
| Orchidaceae    | Lyperanthus   | serratus                    | Rattle Beak Orchid       |          |           |
| Orchidaceae    | Microtis      | atrata                      | Swamp Mignonette Orchid  |          |           |
| Orchidaceae    | Microtis      | media subsp. media          | Common Mignonette Orchid |          |           |
| Orchidaceae    | Thelymitra    | sp.                         |                          |          |           |
| Phyllanthaceae | Poranthera    | triandra                    |                          |          |           |
| Pittosporaceae | Billardiera   | fusiformis                  | Australian Blue Bell     |          |           |
| Poaceae        | Avena         | fatua                       | Wild Oats                | Х        |           |
| Poaceae        | Briza         | maxima                      | Blowfly grass            | Х        |           |
| Poaceae        | Briza         | minor                       | Shivery Grass            | Х        |           |



| Family       | Genus       | Species                    | Common Name                  | Invasive           | Cons Code |
|--------------|-------------|----------------------------|------------------------------|--------------------|-----------|
| Poaceae      | Eragrostis  | curvula                    | African Lovegrass            | Х                  |           |
| Poaceae      | Ehrharta    | longifolia                 | Annual Veldt Grass           | nual Veldt Grass X |           |
| Poaceae      | Lolium      | perenne                    | Annual Ryegrass              | X                  |           |
| Poaceae      | sp.         |                            |                              |                    |           |
| Polygalaceae | Comesperma  | virgatum                   | Milkwort                     |                    |           |
| Primulaceae  | Lysimachia  | anagallis                  | Pimpernel                    | X                  |           |
| Proteaceae   | Adenanthos  | cuneatus                   | Jug Flower                   |                    |           |
| Proteaceae   | Banksia     | nivea                      | Honeypot Dryandra            |                    |           |
| Proteaceae   | Banksia     | nutans                     | Nodding Banksia              |                    |           |
| Proteaceae   | Banksia     | obovata                    | Wedge Leaved Dryandra        |                    |           |
| Proteaceae   | Banksia     | pulchella                  | Teasel Banksia               |                    |           |
| Proteaceae   | Banksia     | repens                     | Creeping Banksia             |                    |           |
| Proteaceae   | Conospermum | leianthum subsp. leianthum |                              |                    |           |
| Proteaceae   | Hakea       | corymbosa                  |                              |                    |           |
| Proteaceae   | Hakea       | trifurcata                 | Two Leaf Hakea               |                    |           |
| Proteaceae   | Isopogon    | polycephalus               | Clustered Coneflower         |                    |           |
| Proteaceae   | Isopogon    | trilobus                   | Barrel Coneflower            |                    |           |
| Proteaceae   | Lambertia   | inermis                    | Chiddick; Native Honeysuckle |                    |           |
| Proteaceae   | Petrophile  | teretifolia                | Pixie Mops                   |                    |           |
| Proteaceae   | Stirlingia  | anethifolia                |                              |                    |           |
| Proteaceae   | Stirlingia  | tenuifolia                 |                              |                    |           |
| Proteaceae   | Synaphea    | oligantha                  |                              |                    |           |
| Restionaceae | Chordifex   | laxus                      |                              |                    |           |
| Restionaceae | Chordifex   | sphacelatus                |                              |                    |           |
| Restionaceae | Desmocladus | flexuosus                  |                              |                    |           |
| Restionaceae | Hypolaena   | exsulca                    |                              |                    |           |
| Restionaceae | Hypolaena   | fastigiata                 |                              |                    |           |



| Family           | Genus        | Species                     | Common Name            | Invasive | Cons Code |
|------------------|--------------|-----------------------------|------------------------|----------|-----------|
| Restionaceae     | Hypolaena    | humilis                     |                        |          |           |
| Restionaceae     | Leptocarpus  | crebriculmis                |                        |          |           |
| Restionaceae     | Lepyrodia    | macra                       |                        |          |           |
| Restionaceae     | Lepyrodia    | monoica                     |                        |          |           |
| Restionaceae     | Loxocarya    | striata                     |                        |          |           |
| Rhamnaceae       | Cryptandra   | myriantha                   |                        |          |           |
| Rhamnaceae       | Spyridium    | globulosum                  | Basket Bush            |          |           |
| Rutaceae         | Boronia      | spathulata                  |                        |          |           |
| Rutaceae         | Cyanothamnus | ramosus subsp. anethifolius |                        |          |           |
| Stylidiaceae     | Levenhookia  | pusilla                     | Midget Stylewort       |          |           |
| Stylidiaceae     | Stylidium    | androsaceum                 |                        |          |           |
| Stylidiaceae     | Stylidium    | breviscapum                 | Boomerang Triggerplant |          |           |
| Stylidiaceae     | Stylidium    | rupestre                    | Rock Triggerplant      |          |           |
| Xanthorrhoeaceae | Xanthorrhoea | platyphylla                 | Grass Tree             |          |           |



| Relevé                 | R1                                                                                                            | Veg Code                                                                                                                                                         | 1: Nuyflo and Lamine SL                                                                                                                                                                                                                                                                                                                         | Date Surveyed                                                                                                                                                                                  | 4/10/2021                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Location               |                                                                                                               |                                                                                                                                                                  | ediately north of Paterson Road                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                | the eastern railway reserve                                                                                                                                                             |
| GPS (Lat, Long)        |                                                                                                               | 3272506, -33.784                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                 | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                                                                                                                                        | ,                                                                                                                                                                                       |
| Landform and Slope     | Plain, Fla                                                                                                    | et .                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Soils                  | Sand, Da                                                                                                      |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Hydrology              | Poor Dra                                                                                                      |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Vegetation description | shrub\6\i<br>fastigiata<br>Vegetatic<br>Lamberti<br>spathula<br>Leptospe<br>and Caly<br>Open Lo<br>fastigiata | ; M^ ^^Adenanthon, Hypolaena exstension Description (Mile in inermis and Lepta and Lysinema ermum oligandrurtrix leschenaultii w Grass, over Men, Hypolaena exst | VIS, 2017): U ^Nuytsia floribulos cuneatus, Hibbertia racemos ulca, +/- Mesomelaena tetragor luirs, 1977): Nuytsia floribunda otospermum laevigatum Open sciliatum Low Scrub A and B, oven Dwarf Scrub C, over Stirlingia Dwarf Scrub D, over Eragrostis esomelaena tetragona and Cauulca and Desmocladus flexuosu Caladenia decora Very Open H | sa, Lysinema ciliatum\ na\sedge\2\c Open Low Woodland Scrub, over Adenanth ver Hibbertia racemos. a tenuifolia, Micromyrt. c curvula Open Tall Gr stis dioica Tall Sedge us Low Sedges, over L | shrub\4,3\c; G ^^Hypolaena<br>B, over Acacia cyclops,<br>os cuneatus, Taxandria<br>a, Melaleuca striata and<br>us elobata subsp. elobata<br>ass, over Briza maxima<br>s, over Hypolaena |
| Condition              | Very Go                                                                                                       | nd                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Comments               | very Gu                                                                                                       | <u> </u>                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| - Commonto             | 1                                                                                                             |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Life Form              | Domina                                                                                                        | nt Species                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                 | Other Species                                                                                                                                                                                  | Cover (%)                                                                                                                                                                               |
| Trees >30m             | Domina                                                                                                        |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 | Other Openies                                                                                                                                                                                  | 50VCI (70)                                                                                                                                                                              |
| Trees 10-30m           |                                                                                                               |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Trees <10m             | Nuvteia                                                                                                       | floribunda                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                | V 2-10%                                                                                                                                                                                 |
| Shrub >2m              |                                                                                                               | yclops, Spyridium                                                                                                                                                | n alohulosum                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                | S 10-30%                                                                                                                                                                                |
| OTHUD - ZIII           | Phymata                                                                                                       | yolopa, apyllulull<br>ocarnus mavulollii                                                                                                                         | , Allocasuarina humilis,                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                | 3 10-30%                                                                                                                                                                                |
| Shrub 1-2m             |                                                                                                               |                                                                                                                                                                  | nthorrhoea platyphylla                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                | M 20 700/                                                                                                                                                                               |
| OHIUD 1-ZIII           |                                                                                                               |                                                                                                                                                                  | bbertia racemosa, Billardiera                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                | M 30-70%<br>S 10-30%                                                                                                                                                                    |
| Shrub 0.5-1m           | fusiformi                                                                                                     |                                                                                                                                                                  | uueriia racennosa, billarulera                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                | J 10-30 /0                                                                                                                                                                              |
| Shrub <0.5m            | iusiiuiilli                                                                                                   | ى                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Siliub <0.5iii         | Hypolog                                                                                                       | na oveulea. Huno                                                                                                                                                 | laona factigiata Dosmooladus                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                | M 30-70%                                                                                                                                                                                |
| Sadaa                  | flexuosu                                                                                                      |                                                                                                                                                                  | laena fastigiata., Desmocladus                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                | IVI 3U-7 U 70                                                                                                                                                                           |
| Sedge                  | nexuosu                                                                                                       | ა                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                                         |
| Herb                   | *Eroar                                                                                                        | tio oungelo                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                | M 30-70%                                                                                                                                                                                |
| Grass                  | ragros                                                                                                        | tis curvula<br>N                                                                                                                                                 | NE E                                                                                                                                                                                                                                                                                                                                            | <b>E</b> 8                                                                                                                                                                                     | M 30-70%                                                                                                                                                                                |
|                        | 5                                                                                                             |                                                                                                                                                                  | 33°47'5"S, 121°51'44"E                                                                                                                                                                                                                                                                                                                          | ±13ft ▲ 146ft                                                                                                                                                                                  |                                                                                                                                                                                         |



| Relevé                 | R2 Ve                                                                                                                                                                                                                                                                                                                                                                                                                                         | g Code           | 1: Nuyflo and Lamine SL                                         | Date Surveyed          | 4/10/2021              |  |  |  |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------|------------------------|------------------------|--|--|--|
| Location               | 372.946KM. I                                                                                                                                                                                                                                                                                                                                                                                                                                  | ocated 960r      | n north of Paterson Road raily                                  | vay crossing, on the w | estern railway reserve |  |  |  |
| GPS (Lat, Long)        | 121.8635719                                                                                                                                                                                                                                                                                                                                                                                                                                   | 169, -33.776     | 3195272                                                         |                        |                        |  |  |  |
| Landform and Slope     | Plain, Flat                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                                                                 |                        |                        |  |  |  |
| Soils                  | Sand, Light G                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |                                                                 |                        |                        |  |  |  |
| Hydrology              | Good Drainag                                                                                                                                                                                                                                                                                                                                                                                                                                  | ge               |                                                                 |                        |                        |  |  |  |
| Vegetation description | Vegetation Description (NVIS, 2017): U ^^Nuytsia floribunda, Lambertia inermis, Acacia c<br>shrub\6\i; M^ ^^Adenanthos cuneatus, Hibbertia racemosa, Lysinema ciliatum\shrub\4,3\c<br>fastigiata, Hypolaena exsulca, +/- Mesomelaena tetragona\sedge\2\c<br>Vegetation Description (Muirs, 1977): Nuytsia floribunda Open Low Woodland B, over Acacia c<br>Lambertia inermis and Leptospermum laevigatum Open Scrub, over Adenanthos cuneatum |                  |                                                                 |                        |                        |  |  |  |
| Candition              |                                                                                                                                                                                                                                                                                                                                                                                                                                               | mnorram ana v    |                                                                 | 10100.                 |                        |  |  |  |
| Condition<br>Comments  | Good                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                                                                 |                        |                        |  |  |  |
| COMMENTS               |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                 |                        |                        |  |  |  |
| Life Form              | Dominant Sp                                                                                                                                                                                                                                                                                                                                                                                                                                   | necies           |                                                                 | Other Speci            | es Cover (%)           |  |  |  |
| Trees >30m             | Dominiant Sp                                                                                                                                                                                                                                                                                                                                                                                                                                  | ,coi69           |                                                                 | Other Speci            | COVEI (/0)             |  |  |  |
| Trees 10-30m           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                 |                        |                        |  |  |  |
| Trees <10m             | †                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                                                                 |                        |                        |  |  |  |
| Shrub >2m              | *Leptospermu                                                                                                                                                                                                                                                                                                                                                                                                                                  | ım laevinatıı    | <u> </u>                                                        |                        | V 2-10%                |  |  |  |
| Office - Eff           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  | rinema ciliatum, Melaleuca                                      |                        | S 10-30%               |  |  |  |
| Shrub 1-2m             | thymoides                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  | ,                                                               |                        |                        |  |  |  |
| Shrub 0.5-1m           |                                                                                                                                                                                                                                                                                                                                                                                                                                               | m oligandrun     | n, Melaleuca striata                                            |                        | S 10-30%               |  |  |  |
| Shrub <0.5m            | Stirlingia tenu                                                                                                                                                                                                                                                                                                                                                                                                                               | ıifolia, Micror  | nyrtus elobata subsp. elobata,<br>pertia racemosa, Caladenia de |                        | S 10-30%               |  |  |  |
| Sedge                  |                                                                                                                                                                                                                                                                                                                                                                                                                                               | stigiata, Hyp    | olaena exsulca, Caustis dioica                                  |                        | D > 70%                |  |  |  |
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  | nia anthemoides, Drosera                                        |                        | V 2-10%                |  |  |  |
| Herb                   | drummondii.                                                                                                                                                                                                                                                                                                                                                                                                                                   | •                |                                                                 |                        |                        |  |  |  |
| Grass                  |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                                                                 |                        |                        |  |  |  |
| · 1                    |                                                                                                                                                                                                                                                                                                                                                                                                                                               | (T) <b>③</b> 33° | 46'36"S, 121°51'48"E                                            | ±13ft ▲ 188ft          | 90   -                 |  |  |  |



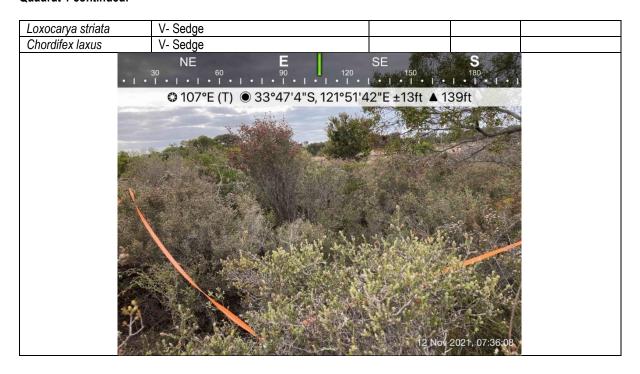
| Relevé                      | R3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Veg Code          | 1: Nuyflo and Lamine SL     | Date Surveyed                 | 04/10/2021             |  |  |  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------|-------------------------------|------------------------|--|--|--|
| Location                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | n north of Paterson Road ra |                               |                        |  |  |  |
| GPS (Lat, Long)             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 169175, -33.779   |                             | and y or occurring, on the tr | octom ramma y rodor vo |  |  |  |
| Landform and Slope          | Plain, Fla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                             |                               |                        |  |  |  |
| Soils                       | Sand, Lig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                             |                               |                        |  |  |  |
| Hydrology                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                               |                        |  |  |  |
| Vegetation description      | Good Drainage  Vegetation Description (NVIS, 2017): U ^^Nuytsia floribunda, Lambertia inermis, Acacia cyclop shrub\6\i; M^ ^^Adenanthos cuneatus, Hibbertia racemosa, Lysinema ciliatum\shrub\4,3\c; G ^ fastigiata, Hypolaena exsulca, +/- Mesomelaena tetragona\sedge\2\c  Vegetation Description (Muirs, 1977): Nuytsia floribunda Open Low Woodland B, over Acacia Lambertia inermis and Leptospermum laevigatum Open Scrub, over Adenanthos cuneatus, Ta spathulata and Lysinema ciliatum Low Scrub A and B, over Hibbertia racemosa, Melaleuca str Leptospermum oligandrum Dwarf Scrub C, over Stirlingia tenuifolia, Micromyrtus elobata subs and Calytrix leschenaultii Dwarf Scrub D, over Eragrostis curvula Open Tall Grass, over Briza Open Low Grass, over Mesomelaena tetragona and Caustis dioica Tall Sedges, over Hypolae fastigiata, Hypolaena exsulca and Desmocladus flexuosus Low Sedges, over Levenhookia pur Drosera drummondii and Caladenia decora Very Open Herbs. |                   |                             |                               |                        |  |  |  |
| Condition                   | Good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | , ,                         |                               |                        |  |  |  |
| Comments                    | Good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                             |                               |                        |  |  |  |
| Life Form                   | Dominar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | nt Species        | T                           | Other Species                 | Cover (%)              |  |  |  |
| Trees >30m                  | Dominal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | it opcoiss        |                             | outer openies                 | OUVEI (/0)             |  |  |  |
| Trees 10-30m                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                               |                        |  |  |  |
| Trees <10m                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             |                               |                        |  |  |  |
| Shrub >2m                   | Lamherti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | a inermis *l ento | spermum laevigatum          |                               | V 2-10%                |  |  |  |
| Shrub 1-2m                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | nos cuneatus      | Spermani idevigatani        |                               | E <5%                  |  |  |  |
| Shrub 0.5-1m<br>Shrub <0.5m | Verticord<br>Hibbertia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                             |                               | S 10-30%               |  |  |  |
| Sedge                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | laena tetragona   | acna rastigiata,            |                               | 101 00 7070            |  |  |  |
| Herb                        | WICOCITICI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | acria tottagoria  |                             |                               |                        |  |  |  |
| Grass                       | *Briza ma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | axima, *Eragrosti | s curvula                   |                               | E <5%                  |  |  |  |
| X                           | 210<br>  •   •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SW<br>•           | W 300 N                     |                               |                        |  |  |  |
|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                             | 04 Oct 2021, 10               | 28:52<br>28:52         |  |  |  |



| Quadrat                                      | Q1                                                                                 | Veg Code                                                                                                                                                                                                       | 1: Nuyflo and<br>Lamine SL                                                                                                                                                                                                                | Date Surveyed                                                                                                                                                                                          | 12/11/2021                                                                                                                                      |                                                                                                                                       |  |  |  |  |  |
|----------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Location                                     | 372.875                                                                            | KM. Located 40m r                                                                                                                                                                                              | north of Paterson Roa                                                                                                                                                                                                                     | ad railway crossing,                                                                                                                                                                                   | on the western                                                                                                                                  | n railway reserve.                                                                                                                    |  |  |  |  |  |
| GPS (Lat, Long)                              |                                                                                    | 18688797, -33.7848                                                                                                                                                                                             | 245247                                                                                                                                                                                                                                    |                                                                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Landform and Slope                           | Flat Pla                                                                           |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Soils                                        |                                                                                    | Light Grey sands Good drainage                                                                                                                                                                                 |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Hydrology                                    | Good dr                                                                            | rainage                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Vegetation description                       | shrub\6' ^^Hypol Vegetat Lamber spathula Leptosp and Cal Open Lo fastigiat Drosera | Ni; M^ ^^Adenanthos<br>laena fastigiata, Hyl<br>ion Description (Mu<br>tia inermis and Lep-<br>ata and Lysinema co<br>permum oligandrum<br>lytrix leschenaultii D<br>ow Grass, over Mes<br>da drummondii and C | IIS, 2017): U ^^Nuytsis cuneatus, Hibbertia polaena exsulca, +l- lirs, 1977): Nuytsia flotospermum laevigatui iliatum Low Scrub A a Dwarf Scrub C, over ewarf Scrub D, over Esomelaena tetragona ca and Desmocladus ialadenia decora Very | racemosa, Lysinera<br>Mesomelaena tetra<br>pribunda Open Low<br>m Open Scrub, over<br>and B, over Hibbert<br>Stirlingia tenuifolia<br>tragrostis curvula O<br>and Caustis dioica<br>offexuosus Low Sec | na ciliatum\shru<br>gona\sedge\2\d<br>Woodland B, c<br>or Adenanthos o<br>ia racemosa, M<br>, Micromyrtus e<br>pen Tall Grass<br>Tall Sedges, o | ub\4,3\c; G  over Acacia cyclops, cuneatus, Taxandria delaleuca striata and elobata subsp. elobata , over Briza maxima ever Hypolaena |  |  |  |  |  |
| Condition                                    | Very Go                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Comments                                     | 10x10m                                                                             | for understorey an                                                                                                                                                                                             | d midstorey. 20x20m                                                                                                                                                                                                                       | for upperstorey. Pl                                                                                                                                                                                    | noto from south                                                                                                                                 | -west corner.                                                                                                                         |  |  |  |  |  |
| • • • •                                      | -                                                                                  |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | Lucia                                                                                                                                                                                                  |                                                                                                                                                 | T ==                                                                                                                                  |  |  |  |  |  |
| Species Name                                 | Form                                                                               |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | Height (m)                                                                                                                                                                                             | Cover (%)                                                                                                                                       | Flowering/Fruiting                                                                                                                    |  |  |  |  |  |
| Hypolaena fastigiata                         | V-sedg                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.2                                                                                                                                                                                                    | c 30-70%                                                                                                                                        | Flowering                                                                                                                             |  |  |  |  |  |
| Phymatocarpus<br>maxwellii                   | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | c 30-70%                                                                                                                                        | FL/FR                                                                                                                                 |  |  |  |  |  |
| Isopogon trilobus                            | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | r <10%                                                                                                                                          | FL/FR                                                                                                                                 |  |  |  |  |  |
| Billardiera fusiformis                       |                                                                                    |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| Adenanthos cuneatus                          | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | i 10-30%                                                                                                                                        | Flowering                                                                                                                             |  |  |  |  |  |
| Taxandria spathulata                         | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 1                                                                                                                                                                                                      | i 10-30%                                                                                                                                        | FL/FR                                                                                                                                 |  |  |  |  |  |
| Verticordia minutifolia                      | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.5                                                                                                                                                                                                    | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| Lepidosperma<br>squamatum                    | V-sedg                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| Patersonia occidentalis                      | V-sedg                                                                             | IE.                                                                                                                                                                                                            |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    |                                                                                                                                                 | Fruiting                                                                                                                              |  |  |  |  |  |
| Levenhookia pusilla                          | H-herb                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| *Romulea rosea                               | H-herb                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1 1070                                                                                                                                          | Fruiting                                                                                                                              |  |  |  |  |  |
| Cyathostemon ramosus                         | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    |                                                                                                                                                 | Fruiting                                                                                                                              |  |  |  |  |  |
| subsp. anethifolia                           | \/ aada                                                                            | ·•                                                                                                                                                                                                             |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | r <10%                                                                                                                                          | Fruiting                                                                                                                              |  |  |  |  |  |
| Anarthria prolifera                          | V-sedg                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | r <10%                                                                                                                                          | •                                                                                                                                     |  |  |  |  |  |
| Darwinia vestita                             | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1 < 10%                                                                                                                                         | Flowering                                                                                                                             |  |  |  |  |  |
| Hibbertia racemosa                           | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    | :400/                                                                                                                                           | Flowering                                                                                                                             |  |  |  |  |  |
| Xanthorrhoea<br>platyphylla                  | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.2                                                                                                                                                                                                    | r <10%                                                                                                                                          |                                                                                                                                       |  |  |  |  |  |
| Cyathochaeta equitans                        | V-sedg                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      |                                                                                                                                                 | Fruiting                                                                                                                              |  |  |  |  |  |
| Conospermum<br>leianthum subsp.<br>leianthum | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 0.4                                                                                                                                                                                                    | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| Lysinema ciliatum                            | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 1                                                                                                                                                                                                      | r <10%                                                                                                                                          | Flowering                                                                                                                             |  |  |  |  |  |
| Acacia cyclops                               | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 3.5                                                                                                                                                                                                    | i 10-30%                                                                                                                                        | Fruiting                                                                                                                              |  |  |  |  |  |
| Leucopogon obovatus subsp. obovatus          | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 0.2                                                                                                                                                                                                    |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Banksia obovata                              | S-shrul                                                                            | b                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | r <10%                                                                                                                                          | FL/FR                                                                                                                                 |  |  |  |  |  |
| Trachymene pilosa                            | H-herb                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | -                                                                                                                                                                                                      |                                                                                                                                                 | FL/FR                                                                                                                                 |  |  |  |  |  |
| Melaleuca striata                            | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                      | r <10%                                                                                                                                          | Fruiting                                                                                                                              |  |  |  |  |  |
| Spyridium globulosum                         | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.2                                                                                                                                                                                                    | 0/טוי ו                                                                                                                                         | 1 Tulling                                                                                                                             |  |  |  |  |  |
| Desmocladus flexuosus                        | V-sedg                                                                             |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | J. <u>L</u>                                                                                                                                                                                            |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Anarthria scabra                             | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    |                                                                                                                                                 |                                                                                                                                       |  |  |  |  |  |
| Isopogon polycephalus                        | S-shrul                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                                                                                           | 0.1                                                                                                                                                                                                    | r <10%                                                                                                                                          | Fruiting                                                                                                                              |  |  |  |  |  |
| i isobodon bolycebhalus                      | 1 0-5111UI                                                                         | U                                                                                                                                                                                                              |                                                                                                                                                                                                                                           | 0.0                                                                                                                                                                                                    | 1 > 10 70                                                                                                                                       | Fruitify                                                                                                                              |  |  |  |  |  |



#### Quadrat 1 continued.





| Quadrat                                   | Q2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Veg<br>Code                                                                                     | 1: Nuyflo and<br>Lamin | Date<br>Surveyed | 12/11/2021 |                                                                                                                                               |  |  |  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------|------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Location                                  | rese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 372.946KM. Located 960m north of Paterson Road railway crossing, on the western railway reserve |                        |                  |            |                                                                                                                                               |  |  |  |
| GPS (Lat, Long)                           | 121.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 863426444                                                                                       | 5, -33.7768252643      |                  |            |                                                                                                                                               |  |  |  |
| Landform and Slope                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Plain                                                                                           |                        |                  |            |                                                                                                                                               |  |  |  |
| Soils                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Light Grey sands                                                                                |                        |                  |            |                                                                                                                                               |  |  |  |
| Hydrology                                 | Good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Good drainage                                                                                   |                        |                  |            |                                                                                                                                               |  |  |  |
| Vegetation description                    | Vegetation Description (NVIS, 2017): U ^^Nuytsia floribunda, Lambertia inermis, Acacia cyclops\tree, shrub\6\i; M^ ^^Adenanthos cuneatus, Hibbertia racemosa, Lysinema ciliatum\shrub\4,3\c; G ^^Hypolaena fastigiata, Hypolaena exsulca, +/- Mesomelaena tetragona\sedge\2\c  Vegetation Description (Muirs, 1977): Nuytsia floribunda Open Low Woodland B, over Acacia cyclops, Lambertia inermis and Leptospermum laevigatum Open Scrub, over Adenanthos cuneatus, Taxandria spathulata and Lysinema ciliatum Low Scrub A and B, over Hibbertia racemosa, Melaleuca striata and Leptospermum oligandrum Dwarf Scrub C, over Stirlingia tenuifolia, Micromyrtus elobata subsp. elobata and Calytrix leschenaultii Dwarf Scrub D, over Eragrostis curvula Open Tall Grass, over Briza maxima Open Low Grass, over Mesomelaena tetragona and Caustis dioica Tall Sedges, over Hypolaena fastigiata, Hypolaena exsulca and Desmocladus flexuosus Low Sedges, over Levenhookia pusilla, Drosera drummondii and Caladenia decora Very Open Herbs. |                                                                                                 |                        |                  |            | ysinema somelaena and B, over Acacia ver Adenanthos , over Hibbertia C, over Stirlingia warf Scrub D, over over Mesomelaena laena exsulca and |  |  |  |
| Condition                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                        |                  |            |                                                                                                                                               |  |  |  |
| Condition<br>Comments                     | very                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Good                                                                                            |                        |                  |            |                                                                                                                                               |  |  |  |
| Comments                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                        |                  |            |                                                                                                                                               |  |  |  |
| Species Name                              | Forn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | n                                                                                               | Height (               | m)               | Cover (%)  | Flowering/Fruiting                                                                                                                            |  |  |  |
| Adenanthos cuneatus                       | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 2                      | ,                | r <10%     | Flowering                                                                                                                                     |  |  |  |
| Hypolaena fastigiata                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | edge                                                                                            | 0.1                    |                  | r <10%     | Fruiting                                                                                                                                      |  |  |  |
| Hibbertia racemosa                        | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.1                    |                  | r <10%     | Flowering                                                                                                                                     |  |  |  |
|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                        |                  |            |                                                                                                                                               |  |  |  |
| Daviesia apiculata                        | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 2                      |                  | i 10-30%   | Fruiting                                                                                                                                      |  |  |  |
| *Leptospermum laevigatum                  | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 1                      |                  | r <10%     | - w                                                                                                                                           |  |  |  |
| Anarthria prolifera                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | edge                                                                                            | 0.2                    |                  | r <10%     | Fruiting                                                                                                                                      |  |  |  |
| Microtis media subsp. media               | H-he                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.1                    |                  | r <10%     | Fruiting                                                                                                                                      |  |  |  |
| Poaceae                                   | G-gr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.6                    |                  |            | Flowering                                                                                                                                     |  |  |  |
| Isopogon polycephalus                     | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.5                    |                  | r <10%     | FL/FR                                                                                                                                         |  |  |  |
| Taxandria spathulata                      | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ırub                                                                                            | 1.5                    |                  | i 10-30%   | FL/FR                                                                                                                                         |  |  |  |
| Caustis dioica                            | V-se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | edge                                                                                            | 0.5                    |                  | r <10%     |                                                                                                                                               |  |  |  |
| Lepidosperma squamatum                    | V-se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | edge                                                                                            | 1                      |                  |            | FL/FR                                                                                                                                         |  |  |  |
| Lambertia inermis                         | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 2.5                    |                  | r <10%     | Flowering                                                                                                                                     |  |  |  |
| Nuytsia floribunda                        | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 4                      |                  | r <10%     |                                                                                                                                               |  |  |  |
| Conospermum leianthum<br>subsp. leianthum | V-se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.1                    |                  | 1 1070     | Flowering                                                                                                                                     |  |  |  |
| Jacksonia spinosa                         | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ırub                                                                                            | 0.2                    |                  | r <10%     | FL/FR                                                                                                                                         |  |  |  |
| Melaleuca thymoides                       | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 2                      |                  | i 10-30%   | FL/FR                                                                                                                                         |  |  |  |
| Melaleuca striata                         | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 1                      |                  | i 10-30%   | Fruiting                                                                                                                                      |  |  |  |
| Calytrix leschenaultii                    | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 1                      |                  | 1 10-00 /0 | Flowering                                                                                                                                     |  |  |  |
| Stirlingia anethifolia                    | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.1                    |                  |            | Flowering                                                                                                                                     |  |  |  |
| *Disa bracteata                           | H-he                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.1                    |                  |            | Flowering                                                                                                                                     |  |  |  |
|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                        |                  | r <10%     |                                                                                                                                               |  |  |  |
| Xanthorrhoea platyphylla                  | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 1                      |                  | 1 < 10%    | Flowering                                                                                                                                     |  |  |  |
| *Ursinia anthemoides                      | H-he                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.4                    |                  |            |                                                                                                                                               |  |  |  |
| Tricostularia aphylla                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | edge                                                                                            | 0.1                    |                  | .400/      | FL.                                                                                                                                           |  |  |  |
| Loxocarya striata                         | V-se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 1                      |                  | r <10%     | Flowering                                                                                                                                     |  |  |  |
| Banksia nutans                            | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.5                    |                  |            | FL/FR                                                                                                                                         |  |  |  |
| Banksia obovata                           | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 | 0.5                    |                  | r <10%     | FL/FR                                                                                                                                         |  |  |  |
| Anigozanthos rufus                        | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ırub                                                                                            | 0.2                    |                  |            | Flowering                                                                                                                                     |  |  |  |
| Logania micrantha                         | S-sh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ırub                                                                                            | 0.1                    |                  |            | Flowering                                                                                                                                     |  |  |  |
| Logania micranina                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                 |                        |                  |            |                                                                                                                                               |  |  |  |
| *Hypochaeris radiata                      | H-he                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | erb                                                                                             |                        |                  |            | Fruiting                                                                                                                                      |  |  |  |



## Quadrat 2 continued.





## Table 21: Fauna species recorded within survey area.

| Family          | Species                      | Common Name                | Conservation Code | Comments |
|-----------------|------------------------------|----------------------------|-------------------|----------|
| Birds           |                              |                            |                   |          |
| Meliphagidae    | Anthochaera lunulata         | Western Wattlebird         |                   |          |
| Cuculidae       | Chrysococcyx basalis         | Horsefield's Bronze Cuckoo |                   |          |
| Pachycephalidae | Colluricincla harmonica      | Grey shrike thrush         |                   |          |
| Campephagidae   | Coracina novaehollandiae     | Black-faced Cuckoo-shrike  |                   |          |
| Covidae         | Corvus coronoides            | Australian Raven           |                   |          |
| Phasianidae     | Coturnix pectoralis          | Stubble Quail              |                   |          |
| Charadriidae    | Elseyornis melanops          | Black-fronted Dotterel     |                   |          |
| Falconidae      | Falco cenchroides            | Nankeen Kestrel            |                   |          |
| Accipitridae    | Haliastur sphenurus          | Whistling Kite             |                   |          |
| Hirundinidae    | Hirundo neoxena              | Welcome Swallow            |                   |          |
| Meliphagidae    | Manorina flavigula           | Yellow-throated Miner      |                   |          |
| Columbidae      | Phaps chalcoptera            | Common Bronzewing          |                   |          |
| Meliphagidae    | Phylidonyris novaehollandiae | New Holland Honeyeater     |                   |          |
| Mammals         |                              |                            |                   |          |
| Canidae         | Canis lupus familiaris       | Dog                        | Introduced        |          |
| Equidae         | Equus caballus               | Horse                      | Introduced        |          |
| Macropodidae    | Macropus fuliginosus         | Western Grey Kangaroo      |                   |          |
| Canidae         | Vulpes vulpes                | Fox                        | Introduced        |          |
| Reptiles        |                              |                            |                   |          |
| Elapidae        | Echiopsis curta              | Bardick                    |                   |          |
| Scincidae       | Tiliqua rugosa               | Bobtail Skink              |                   |          |
| Invertebrates   |                              |                            |                   |          |
| Araneidae       | Austracantha minax           | Christmas Spider           |                   |          |
| Pompilidae      | Cryptocheilus bicolor        | Spider Wasp                |                   |          |



# **Appendix E**

Threatened and Priority reporting forms



# Appendix F

NatureMap and EPBC Act PMST reports



# Threatened and Priority Flora Report Form

Version 1.4 March 2021

Please complete as much of the form as possible, with emphasis on those sections bordered in black. For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at <a href="https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants">www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants</a>

| TAXON: Astartea reticu                                                                                                                                                                                                                                                                                        | lata                                        |                                            |                            | -                                      | TPFL Pop. No:                               |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------|----------------------------|----------------------------------------|---------------------------------------------|------------------------|
| OBSERVATION DATE:                                                                                                                                                                                                                                                                                             | 12/11/20221                                 | CONSE                                      | RVATION STATE              | <b>US</b> : P3                         | New popul                                   | ation 🛚                |
| OBSERVER/S: Katie                                                                                                                                                                                                                                                                                             | White and Kimber                            | ly Jenkins                                 |                            | РНО                                    | 0439 993<br>0458 441                        |                        |
| ROLE: Botanist - Consul                                                                                                                                                                                                                                                                                       | tant                                        | ORGAI                                      | NISATION: Bio D            | Diverse Solutions                      | S                                           |                        |
| EMAIL: katie@biodiverse                                                                                                                                                                                                                                                                                       | solutions.com.au                            |                                            |                            |                                        |                                             |                        |
| DESCRIPTION OF LOCATIO                                                                                                                                                                                                                                                                                        | N (Provide at least near                    | est town/named locality, ar                | nd the distance and direct | tion to that place):                   |                                             |                        |
| 5 kilometre north of Espera western side of the railway                                                                                                                                                                                                                                                       | nce toownsite. O                            | n the railway line –                       | 100m north of the          | e intersection of                      | Paterson Rd, on                             | the                    |
|                                                                                                                                                                                                                                                                                                               |                                             |                                            |                            | R                                      | eserve No:                                  |                        |
| DBCA DISTRICT: South Coa                                                                                                                                                                                                                                                                                      |                                             | LGA: Esperand                              |                            |                                        | ager present:                               |                        |
|                                                                                                                                                                                                                                                                                                               | · · · · · · · · · · · · · · · · · · ·       | coords provided, <b>Zone</b> is egMinSec U |                            | THOD USED:                             | ti-1 ODO 🗆                                  | M                      |
| GDA94 / MGA94 🖂                                                                                                                                                                                                                                                                                               | _                                           |                                            | _                          |                                        | rential GPS                                 | Map ⊠                  |
| AGD84 / AMG84 🗌                                                                                                                                                                                                                                                                                               | / Northing: -33.                            | 784729                                     |                            | satellites:<br>indary polygon          | Map used: <u>C</u>                          | <u>QGIS</u>            |
|                                                                                                                                                                                                                                                                                                               | g / Easting: 121.                           | 862042                                     |                            | tured:                                 | Map scale:                                  |                        |
| Unknown 🗌                                                                                                                                                                                                                                                                                                     | ZONE:                                       |                                            |                            |                                        |                                             |                        |
| LAND TENURE:                                                                                                                                                                                                                                                                                                  |                                             |                                            |                            |                                        |                                             |                        |
| Nature reserve ☐  National park ☐  Conservation park ☐                                                                                                                                                                                                                                                        | Timber reserve  State forest  Water reserve | Private propert<br>Pastoral lease<br>UC    | e ☐ MRWA                   | Rail reserve  road reserve  372.9 to   |                                             | ad reserve  wn reserve |
| AREA ASSESSMENT: Edge                                                                                                                                                                                                                                                                                         | e survev □ Par                              | tial survey 📗 Ful                          | I survey Area              | a observed (m²):                       |                                             |                        |
|                                                                                                                                                                                                                                                                                                               | pent surveying (mi                          | •                                          | •                          | es spent / 100 m <sup>2</sup>          | : <u> </u>                                  |                        |
| POP'N COUNT ACCURACY:                                                                                                                                                                                                                                                                                         | Actual                                      | Extrapolation                              | Estimate (Refer to         | Count method: o field manual for list) | Not counted – no recognised as proof survey |                        |
| WHAT COUNTED:                                                                                                                                                                                                                                                                                                 | Plants □                                    | Clumps                                     | Clonal stems □             |                                        | <u>or survey</u>                            |                        |
| TOTAL POP'N STRUCTURE:                                                                                                                                                                                                                                                                                        | Mature:                                     | Juveniles:                                 | Seedlings:                 | Totals:                                |                                             |                        |
| Alive                                                                                                                                                                                                                                                                                                         |                                             |                                            | 3                          |                                        | Area of pop (m                              | l <sup>2</sup> );      |
| Dead                                                                                                                                                                                                                                                                                                          |                                             |                                            |                            |                                        | Note: Pls record co                         | ount as numbers        |
|                                                                                                                                                                                                                                                                                                               | NI-                                         | 0:                                         | D-4441                     |                                        | (not percentages)                           |                        |
| QUADRATS PRESENT:                                                                                                                                                                                                                                                                                             | No                                          | Size                                       | Data attached              | Total ar                               | ea of quadrats (m                           | ·):                    |
| Summary Quad. Totals: Alive REPRODUCTIVE STATE:                                                                                                                                                                                                                                                               | Clonal                                      | Vegetative 🗆                               | Flowerbud                  | 1                                      | <br>Flower ⊠                                |                        |
|                                                                                                                                                                                                                                                                                                               | re fruit                                    | Vegetative ☐<br>Fruit ☐                    | Dehisced fruit             |                                        | tage in flower:                             | <u>%</u>               |
|                                                                                                                                                                                                                                                                                                               | Healthy 🛛                                   | Moderate                                   | Poor                       | ] Sen                                  | escent                                      |                        |
| COMMENT: Not actively sur                                                                                                                                                                                                                                                                                     | /eyed – health indicat                      |                                            |                            |                                        |                                             |                        |
| THREATS - type, agent and                                                                                                                                                                                                                                                                                     | supporting inform                           | ation:                                     |                            | Cu                                     | urrent Potential                            | Potential              |
| Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. Specify agent where relevant.  Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme  Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) |                                             |                                            |                            |                                        |                                             |                        |
| Railway maintenance and                                                                                                                                                                                                                                                                                       | significant const                           | ruction projects – c                       | clearing of laydow         | n areas                                | <u>M</u> <u>M-H</u>                         | <u>s</u>               |
| •                                                                                                                                                                                                                                                                                                             |                                             |                                            |                            | _                                      |                                             | <b> </b>               |



# Threatened and Priority Flora Report Form

Version 1.4 March 2021

| HABITAT INFORMATI                                      | ON:                                                                                       |                                   |                               |                                                                    |                           |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|--------------------------------------------------------------------|---------------------------|
| LANDFORM:                                              | ROCK TYPE:                                                                                | LOOSE ROCK:                       | SOIL TYPE:                    | SOIL COLOUR:                                                       | DRAINAGE:                 |
| Crest                                                  | Granite                                                                                   | (on soil surface; eg              | Sand 🛚                        | Red □                                                              | Well drained              |
| Hill 🗌                                                 | Dolerite                                                                                  | gravel, quartz fields)            | Sandy loam                    | Brown 🗌                                                            | Seasonally                |
| Ridge $\square$                                        | Laterite                                                                                  | 0.400/ □                          | Loam 🗌                        | Yellow                                                             | inundated 🛚               |
| Outcrop                                                | Ironstone                                                                                 | 0-10%                             | Clay loam                     | White 🖂                                                            | Permanently inundated     |
| Slope ⊠                                                | Limestone                                                                                 | 10-30%                            | Light clay                    | Grey ⊠                                                             | Tidal                     |
| Flat 🗌                                                 | Quartz 🗌                                                                                  | 30-50%                            | Peat □                        | Black ☐                                                            | ridai 🗀                   |
| Open depression 🗵                                      | Specify other:                                                                            | 50-100%                           | Specify other:                | Specify other:                                                     |                           |
| Drainage line                                          |                                                                                           |                                   |                               |                                                                    |                           |
| Closed depression                                      | 0                                                                                         | - <b>-</b>                        |                               |                                                                    |                           |
| Wetland                                                | Specific Landform (Refer to field manual for a                                            | Wille Si                          | lica sand. Poor draina        | age, on 100-200m slope                                             | s of granite outcrop      |
| CONDITION OF SOIL:                                     | Dry 🗆                                                                                     | Moist ⊠                           | Waterlogged                   | Inundated                                                          |                           |
| VEGETATION CLASSIFICATION*:                            | 1. Dense and highly div                                                                   | verse shrubland, with sca         | attered Nuytsia floribu       | nda and Lambertia iner                                             | mis overstorey            |
| Eg: 1. Banksia woodland (B. attenuata, B. ilicifolia); | 2.                                                                                        |                                   |                               |                                                                    |                           |
| 2. Open shrubland<br>(Hibbertia sp., Acacia spp.);     | 3.                                                                                        |                                   |                               |                                                                    |                           |
| 3. Isolated clumps of sedges (M.tetragona)             | 4.                                                                                        |                                   |                               |                                                                    |                           |
| ASSOCIATED<br>SPECIES:                                 | Lambertia inermis, Nuy                                                                    | rtsia floribunda, Astartea        | astarteoides, Hypola          | ena exsulca, Micromytru                                            | us elobata subsp.         |
| Other (non-dominant) spp                               | elobata                                                                                   |                                   |                               |                                                                    |                           |
| * Please record up to four of the                      | most representative vegetation                                                            | layers (with up to three domina   | ant species in each layer). S | tructural Formations should fo                                     | llow 2009 Australian Soil |
|                                                        | ok guidelines – refer to field man                                                        |                                   |                               |                                                                    |                           |
| CONDITION OF HABITAT                                   | T: Pristine ☐                                                                             | Excellent  Very goo               | od 🛛 Good 🗌                   | Degraded                                                           | pletely degraded          |
| FIRE HISTORY: La                                       | ast Fire: Season/Month:                                                                   | Year:                             | Fire Intensity: Hig           | gh   Medium   Low                                                  | No signs of fire ⊠        |
| FENCING:                                               | Not required □                                                                            | Present Replace                   | e / repair 🔲                  | Required Leng                                                      | th req'd:                 |
| ROADSIDE MARKERS:                                      | Not required                                                                              | Present Replace                   | e / reposition                | Required  Quar                                                     | ntity req'd:              |
|                                                        | (Please include recomme                                                                   |                                   |                               | ed actions - include                                               |                           |
| GPS points approximat                                  | e – not mapped at the tin                                                                 | ne. Mapped off photos ta          | aken (Solocator app re        | ecorded location).                                                 |                           |
| No detailed count or tar                               | rgeted survey – incidenta                                                                 | ally discovered and found         | ļ                             |                                                                    |                           |
|                                                        | Diverse Solutions (2022 purposes of a clearing per                                        |                                   |                               | Reconaisance Flora, Ve                                             | egetation and Basic       |
|                                                        |                                                                                           |                                   |                               |                                                                    |                           |
|                                                        |                                                                                           |                                   |                               |                                                                    |                           |
|                                                        |                                                                                           |                                   |                               |                                                                    |                           |
|                                                        |                                                                                           |                                   |                               |                                                                    |                           |
| authorisation/licence is require                       | ION / LICENCE No: FB0 ed. For further information on au authorisations/licences should be | uthorisation and licening require | ements see the Threatened     | imens or plant matieral is take<br>Flora and Wildlife Licensing pa |                           |
| -                                                      |                                                                                           | A Herb. 🛭 Regional I              | _                             | erb. Other:                                                        |                           |
|                                                        | <del></del>                                                                               | 9469                              |                               |                                                                    |                           |
| ATTACHED: Map                                          | -                                                                                         | noto 🛛 GIS data 🗌                 | Field notes                   | Other:                                                             |                           |
| '                                                      | -                                                                                         | District Office                   | Other:                        |                                                                    |                           |
| Submitter of Record: Ka                                |                                                                                           | nist / Consultant Sign            | ned: <u>KW</u> Date: 2        | 20/04/2022                                                         |                           |



# Al005-004 NatureMap 30km Species Report

# Created By Guest user on 21/09/2021

Current Names Only Yes
Core Datasets Only Yes

Method 'By Circle'

Centre 121° 51' 45" E,33° 46' 46" S

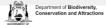
Buffer 30km Group By Kingdom

| Kingdom                                   | Species                 | Records                     |
|-------------------------------------------|-------------------------|-----------------------------|
| Animalia<br>Chromista<br>Fungi<br>Plantae | 750<br>48<br>54<br>1338 | 13119<br>107<br>143<br>4427 |
| TOTAL                                     | 2190                    | 17796                       |

Name ID Species Name

Naturalised Conservation Code <sup>1</sup>Endemic To Query Area

| Animalia |       |                                                               |         |    |   |
|----------|-------|---------------------------------------------------------------|---------|----|---|
| 1.       |       | ??                                                            |         |    |   |
| 2.       | 24559 | Acanthagenys rufogularis (Spiny-cheeked Honeyeater)           |         |    |   |
| 3.       |       | Acanthistius serratus                                         |         |    |   |
| 4.       | 24260 | Acanthiza apicalis (Broad-tailed Thornbill, Inland Thornbill) |         |    |   |
| 5.       | 24261 | Acanthiza chrysorrhoa (Yellow-rumped Thornbill)               |         |    |   |
| 6.       | 24265 | Acanthiza uropygialis (Chestnut-rumped Thornbill)             |         |    |   |
| 7.       |       | Acanthopagrus butcheri                                        |         |    |   |
| 8.       | 25242 | Acanthophis antarcticus (Southern Death Adder)                |         | P3 |   |
| 9.       | 24560 | Acanthorhynchus superciliosus (Western Spinebill)             |         |    |   |
| 10.      |       | Acariformes sp.                                               |         |    |   |
| 11.      | 25535 | Accipiter cirrocephalus (Collared Sparrowhawk)                |         |    |   |
| 12.      | 25536 | Accipiter fasciatus (Brown Goshawk)                           |         |    |   |
| 13.      |       | Acercella falcipes                                            |         |    |   |
| 14.      | 42368 | Acritoscincus trilineatus (Western Three-lined Skink)         |         |    |   |
| 15.      | 25755 | Acrocephalus australis (Australian Reed Warbler)              |         |    |   |
| 16.      | 41323 | Actitis hypoleucos (Common Sandpiper)                         |         | IA |   |
| 17.      |       | Adversaeschna brevistyla                                      |         |    |   |
| 18.      |       | Aedes (Och.) sp. 1 (nr. nigrithorax) (SAP)                    |         |    |   |
| 19.      |       | Aedes camptorhynchus                                          |         |    |   |
| 20.      |       | Aedes sp.                                                     |         |    |   |
| 21.      | 25544 | Aegotheles cristatus (Australian Owlet-nightjar)              |         |    |   |
| 22.      |       | Aetapcus maculatus                                            |         |    |   |
| 23.      |       | Agaue similis                                                 |         |    | Υ |
| 24.      |       | Agaue tenuipes                                                |         |    |   |
| 25.      |       | Agauopsis calidictyota                                        |         |    | Υ |
| 26.      |       | Agauopsis miliaris                                            |         |    |   |
| 27.      |       | Agraptocorixa eurynome                                        |         |    |   |
| 28.      |       | Agraptocorixa sp.                                             |         |    |   |
| 29.      |       | Alboa worooa                                                  |         |    |   |
| 30.      |       | Aldrichetta forsteri                                          |         |    |   |
| 31.      |       | Allodessus bistrigatus                                        |         |    |   |
| 32.      |       | Allomycterus pilatus                                          |         |    |   |
| 33.      |       | Ammotretis elongatus                                          |         |    |   |
| 34.      | 25647 | Amytornis striatus (Striated Grasswren)                       |         |    |   |
| 35.      |       | Aname mainae                                                  |         |    |   |
| 36.      |       | Aname tepperi                                                 |         |    |   |
| 37.      |       | Anas castanea (Chestnut Teal)                                 |         |    |   |
| 38.      |       | Anas gracilis (Grey Teal)                                     |         |    |   |
| 39.      | 24313 | Anas platyrhynchos (Mallard)                                  |         |    |   |
| 40.      |       | Anas platyrhynchos subsp. domesticus                          |         |    |   |
| 41.      |       | Anas rhynchotis (Australasian Shoveler)                       |         |    |   |
| 42.      | 24316 | Anas superciliosa (Pacific Black Duck)                        |         |    |   |
| 43.      |       | Anax papuensis                                                | . 663 . |    |   |







| 44. 4 414 Anhang covamplenesse (Australiance Detect) 46. Anagas broken 47. Anagas beginn 48. Anagas beginn 49. Anagas be |      | Name ID | Species Name                                                       | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--------------------------------------------------------------------|-------------|-------------------|---------------------------------------|
| Actions (projection   Actions of projection   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44.  | 47414   | Anhinga novaehollandiae (Australasian Darter)                      |             |                   |                                       |
| 41, Ambigue physperion   48, Ambigue physperion   48, Ambigue physperion   48, Ambigue physperion   48, Ambigue physperion   7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 45.  |         | Anisops baylii                                                     |             |                   |                                       |
| 48. Annops sp. Anisopa freememory  49. Anisopa specimens  50. Anisopa freememory  51. Anisopa freememory  52. 24651 Anisopatorica consolitate (File Waterstand)  53. 24652 Anisopatorica consolitate (File Waterstand)  54. 24652 Anisopatorica consolitate (File Waterstand)  55. 24653 Anisopatorica consolitate (File Waterstand)  56. 24652 Anisopatorica consolitate (File Waterstand)  57. 24651 Anisopatorica consolitate (File Waterstand)  58. 24652 Anisopatorica (File Waterstand)  59. 24652 Anisopatorica (File Waterstand)  50. 24652 Anisopatorica (File Waterstand)  51. 24652 Anisopatorica (File Waterstand)  52. 24652 Anisopatorica (File Waterstand)  53. 24652 Anisopatorica (File Waterstand)  54. Anisopatorica (File Waterstand)  55. 24652 Anisopatorica (File Waterstand)  56. Anisopatorica (File Waterstand)  57. 24662 Anisopatorica (File Waterstand)  58. 24652 Anisopatorica (File Waterstand)  58. 24652 Anisopatorica (File Waterstand)  59. 24652 Anisopatorica (File Waterstand)  50. 24652 Anisopatorica (File Waterstand)  51. 24652 Anisopatorica (File Waterstand)  52. 24652 Anisopatorica (File Waterstand)  53. 24652 Anisopatorica (File Waterstand)  54. 24653 Anisopatorica (File Waterstand)  55. 24652 Anisopatorica (File Waterstand)  56. 24652 Anisopatorica (File Waterstand)  57. 24652 Anisopatorica (File Waterstand)  58. 24652 Anisopatorica (File Waterstand)  59. 24653 Anisopatorica (File Waterstand)  50. 24653 Anisopatorica (File Waterstand)  50. 24653 Anisopatorica (File Waterstand)  50. 24654 Anisopatorica (File W | 46.  |         | Anisops hackeri                                                    |             |                   |                                       |
| 49.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 47.  |         | Anisops hyperion                                                   |             |                   |                                       |
| 50.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 48.  |         | Anisops sp.                                                        |             |                   |                                       |
| 51.   Angelescopius controllers   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |         |                                                                    |             |                   |                                       |
| \$2.   2688   Anticontess controvalues for Wittenburg (Wittenburg  |      |         |                                                                    |             |                   |                                       |
| 5-1.   2-656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |         |                                                                    |             |                   | Υ                                     |
| 1.4   1.4   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5    |      |         |                                                                    |             |                   |                                       |
| 55.   Anipopora consistentials   Appropriate (Semi-Arigina Worm-Izand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                                    |             |                   |                                       |
| 58.   Aponychipa demypations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 24599   |                                                                    |             |                   |                                       |
| 57.   2899   Agresia regional (Canal-Spirit Motorschard)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |         | •                                                                  |             |                   |                                       |
| 5-8,   2499 Accesses strokes (Linear Workschart)   JA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 24991   |                                                                    |             |                   |                                       |
| 5-8,   25551 Agus pacificas (Profesiabled Sells) Facility (Swift)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |         |                                                                    |             |                   |                                       |
| 60. 24/20s Agrilla audiar (Wodge Intellige Englis) 61. Anciens arrians 62. Anciens arrians 63. Anaise arrians 64. Anaise serioaudialis 65. Anoise floring forest (New Zestland Fur Seal, Eng-noised fur-seal) 66. Anoise branchiptorencia (Seal Englis) 67. 24/20s Anciense plantic forest (New Zestland Fur Seal, Eng-noised fur-seal) 68. 25555 Ancien Brain Enterial (New Zestland Fur Seal, Eng-noised fur-seal) 69. 41/32 Andian monaised great agrant with a gard of the company  |      |         |                                                                    |             | IA                |                                       |
| 61. Anscere surins 62. Amount ownset 63. Amount ownset 63. Amount ownset 64. Amount ownset 65. Aroule discouldes 65. Aroule discouldes 66. Aroule Amount ownset 67. 24/08 Amount ownset (how about Fir Stall, long-model fur-seal) 68. 25/08 Arison beningharins 69. 41/324 Amount ownsets (price agent, white eyer) 70. 24/18 Amount ownsets (price agent, white eyer) 71. 24/18 Amount ownsets (price agent, white eyer) 72. 41/32 Amount ownsets (price agent, white eyer) 73. 41/32 Amount ownsets (price agent, white eyer) 74. 24/34 Amount ownsets (price agent, white eyer) 75. 25/36 Amount ownsets (price agent, white eyer) 76. 24/36 Amount ownsets (price agent, white eyer) 77. 41/32 Amount ownsets (price agent, white eyer) 77. 41/32 Amount ownsets (price agent, white eyer) 78. 25/36 Amount ownsets (price agent, white eyer) 79. 25/36 Amount ownsets (price agent, white eyer) 79. 25/36 Amount ownsets (price agent ownsets) 79. 25/36 Amount ownsets (price agent ownsets) 79. 25/36 Amount ownsets (price agent ownsets) 79. 25/36 Amount ownsets (price before agent ownsets) 79. 25/36 Amount ownsets amount ownsets (price before agent ownsets) 79. 25/36 Amount ownsets amount ownsets (price before agent ownsets) 79. 25/36 Amount ownsets amount ownsets amount ownsets amount ownsets) 79. 25/36 Amount ownsets amo |      |         |                                                                    |             |                   |                                       |
| 63. Advance recognise 64. Annue encountering 65. Annue descriptions 66. Annue descriptions 67. 24008 Annue prospering 68. 2558 Annue Annue greet greet with expret 68. 41324 Annue prospering 68. 41224 Annue prospering 69. 61224 Annue pros | 61.  |         |                                                                    |             |                   |                                       |
| 04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 62.  |         | Aracana ornata                                                     |             |                   |                                       |
| 65. Ancelle discordes 67. 24308. Ancelle principlementa 67. 24308. Ancelle principlementa 68. 25558. Ancelle principlementa 68. 25558. Ancelle principlementa 69. 41324. Ancelle production (Principle Speed) 69. 41324. Ancelle production (Principle Speed) 70. 2430. Ancelle production (Principle Speed) 71. 24314. Ancelle production (Principle Speed) 72. 41326. Ancelle production (Principle Speed) 73. 41328. Ancelle principle (Principle Speed) 74. 24310. Ancelle principlemental Speed) 75. 24326. Ancelle principlemental Speed S | 63.  |         | Araneus necopinus                                                  |             |                   |                                       |
| 66. Ancella hemisphanicia 67. 24028. Actocabella (Castle Egraf) 68. 25558 Actoa bis (Castle Egraf) 69. 41024 Actoa nocleas (great egrat, white egraf) 69. 41024 Actoa nocleas (great egrat, white egraf) 70. 22494 Actoa nocleas (great egrat, white egraf) 71. 2494 Actoa nocleas (great egrat, white egraf) 71. 2494 Actoa nocleas (great egrat, white egraf) 72. 41028 Actorian campions (first) honoraboratory 73. 41028 Actorian campions (first) honoraboratory 74. 41028 Actorian campions (first) honoraboratory 75. 25758 Acronana interpres (Short stalled Shoarastory) 76. 25758 Acronana interpres (Short Stalled Shoarastory) 77. Arrenums (Truncaturus) sp. (SAP) 78. Arrenums (Truncaturus) sp. (SAP) 79. 25558 Arrenums (Truncaturus) sp. (SAP) 80. 24553 Arrenums (Gruschianus) sp. (SAP) 81. Arrotic singulipes 82. Actoris (Bushamana 83. Arroxopais expendita 84. Arroxopais expendita 85. Arroxopais expendita 86. Arroxopais expendita 87. Agasamogaiser coclentalis 88. Agasamogaiser coclentalis 88. Agasamogaiser coclentalis 88. Agasamogaiser coclentalis 89. Againchianus highweili 90. Agriphotus vincenti 91. Altasi Adelmanianus Arroxopaiser expendituria 92. Arroxin in arroxin significantic 93. Autorianus individual significantic 94. Autorianus vincentic 95. Autorianus vincentic 96. Agasamogaiser coclentalis 97. Autorianus vincentic 98. Agasamogaiser coclentalis 98. Agasamogaiser coclentalis 98. Autorianus vincentic 99. Belicitos vinc | 64.  |         | Araneus senicaudatus                                               |             |                   |                                       |
| 67. 24298. Antocophela forstori (New Zealand Fur Seal, Long-nosed fur-seal) 68. 41524. Antoce nocetals (grant eyest, white egyed) 69. 41524. Antoce nocetals (grant eyest, white egyed) 70. 22436. Antoce nocetals (grant eyest, white egyed) 71. 22436. Antocen campips (Finish Acted Meron) 72. 41528. Antorna campips (Finish Acted Shearwater) 73. 41528. Antorna campips (Finish Acted Shearwater) 74. 24610. Antorna sustraila (Australan Bustard) 75. 24758. Antorna interprise (Sheary Mortocen) 76. Anjoco trisociata 77. Antorna (Turnaturus) sp. (SAP) 77. Anyona (Turnaturus) sp. (SAP) 78. Anyona (Turnaturus) sp. (SAP) 79. 24538. Antorna (Evalua (Vocalandov) 80. 24533. Antorna (Sustraina (Bustardov) 81. Antoria fusivirana 84. Antoria fusivirana 85. Antorna fusivirana 86. Antorna fusivirana 86. Antorna fusivirana 87. Apparropate coccidentalis 88. Apparropate coccidentalis 89. Apparropate coccidentalis 80. Apparropate coccidentalis 80. Apparropate coccidentalis 81. Austrachocypris insulativa 81. Austrachocypris insulativa 82. Apparropate coccidentalis 83. Austrachocypris insulativa 84. Austrachocypris insulativa 85. Austrachocypris insulativa 86. Austrachocypris insulativa 87. Austrachocypris insulativa 88. Austrachocypris insulativa 89. Austrachocypris  | 65.  |         | Arcella discoides                                                  |             |                   |                                       |
| 88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 66.  |         | Arcella hemisphaerica                                              |             |                   |                                       |
| 69. 4 1324 Ardsa motiosas (genat operat, white agent) 70. 24540 Ardsa roundenlandinale (White-recked Heron) 71. 24311 Ardies pacifica (White-recked Heron) 72. 41252 Ardenna carrelpse (Flesh-footed Shearwater) 73. 41252 Ardenna carrelpse (Flesh-footed Shearwater) 74. 24610 Ardsoits australis (Australian Bustand) 75. 25738 Annais imprare (Rudy) Turnstone) 76. Arginge inflasciota 77. Arginus (Funcaturus) sp. (SAP) 78. Arginus (Funcaturus) sp. (SAP) 79. 25568 Annais (Funcaturus) sp. (SAP) 79. 25568 Annais (Creaturus) sp. (SAP) 80. 24353 Artenus cyanopterus (Dusky Woodswallow) 81. Artenia crigalipses 82. Artenia cyanopterus (Dusky Woodswallow) 83. Artenia crigalipses 84. Artenia crigalipses 85. Artenia cocidentalis 86. Ascorbic occidentalis 87. Aspesanogaster cocidentalis 88. Aspesanogaster cocidentalis 88. Aspesanogaster (cocidentalis 89. Aspendina brightwelli 90. 41333 Aleionastic dendrica (Rocharche Atalomastix millipade) 91. 41333 Aleionastic dendrica (Rocharche Atalomastix millipade) 92. Artenia commanda (Partie) 93. Australogoris insulativa 94. Australogoris insulativa 95. Australogoris insulativa 96. Australogoris insulativa 97. Australogoris insulativa 98. Australogoris insulativa 99. Australogoris insulativa 99 | 67.  | 24208   | Arctocephalus forsteri (New Zealand Fur Seal, long-nosed fur-seal) |             | S                 |                                       |
| 71.   2434                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         |                                                                    |             |                   |                                       |
| 71.   2-3451                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |         |                                                                    |             |                   |                                       |
| 12.   141326 Ardenna carnelipes (Flesh-footed Shearwater)   T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                                    |             |                   |                                       |
| 73.   41328   Ardonna harularosis (Short-halled Shoarwater)   IA     74.   24610   Ardonos sustralis (Australian Bustard)   IA     75.   24738   Artannais Interpres (Rudy Turnstone)   IA     76.   Arginge Inflacialis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |         |                                                                    |             | _                 |                                       |
| 74,   24610   Arciordis australia (Australian Bustand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                                    |             |                   |                                       |
| 75.         25735 Aronaria interpress (Ruddy Turnstone)         IA           76.         Argicpte trifasciate         ***           77.         Armounts (Turncaturus) sp. (SAP)         ***           78.         Arripia truttocous         ***           79.         25566 Altanus cionerus (Black-faced Woodswallow)         ***           81.         Artonia cinquilipas         ***           82.         Artonia flavimana         ***           83.         Artoniopsis centricia         ***           84.         Artoriopsis centricia         ***           85.         Artoriopsis cocidua         ***           86.         Ascorris occidua         ***           87.         Aspasamogaster occidentalis         ***           88.         Aspasamogaster occidentalis         ***           89.         Aspanogaster occidentalis         ***           89.         Aspanogaster recordentalis         ***           89.         Aspanogaster recordentalis         ***           89.         Aspanogaster recordentalis         ***           89.         Aspanogaster recordentalis         ***           89.         Aspanobastic dendritica (Recharche Atalomastix millipede)         ***           97.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                                    |             | IA                |                                       |
| 76.         Argiope inflascialte           77.         Armanus (Truzaturus) sp. (SAP)           78.         25566 Arlamus cineraus (Black-faced Woodswallow)           80.         24353 Arlamus cyanopteurs (Dusky Woodswallow)           81.         Artoria Gingulipes           82.         Artoria flavimana           83.         Artoripsis exceptitiona           84.         Artoripsis deventica           85.         Artoripsis deventica           86.         Ascorbis occidua           87.         Aspassmojester occidentalis           88.         Aspancyaster tramaniensis           88.         Aspancyaster tramaniensis           89.         Aspancyaster framaniensis           89.         Aspanchran brightwell           90.         Asymbolus vincenti           91.         41383 Atelomastic dendritica (Recherche Atelomastix millipede)         T           92.         Alberinosoma wallacui           93.         Aulostruccentra minax           94.         Austraccentra minax           95.         Austraccentra minax           96.         Austraccentra minax           97.         Austraccentra minax           98.         Austraccentra minax           99.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         |                                                                    |             | IA                |                                       |
| 77.         Arrenurus (Truncaturus) sp. (SAP)           78.         Arripis trutiacous         Y           79.         25566 Artamus cinereus (Black-focad Woodswallow)           80.         24353 Artamus cyanopterus (Dusky Woodswallow)           81.         Artoria flavimane           83.         Artoriopsis cecentrica           84.         Artoriopsis cecentrica           85.         Artoriopsis pergi           86.         Ascorbis occidua           87.         Aspasmogaster cocidentalis           88.         Aspasmogaster rasmaniensis           89.         Aspinnobus vincenti           91.         4133 Aleismastix dendrikica (Recherche Ateiomastix millipede)         T         Y           92.         Atherinosoma wallacei         3         Aubquas purprissatus         3           93.         Aubquas purprissatus         4         Australocaptris insularis           94.         Australocaptris insularis         4         4           95.         Australocaptris insularis         7         4           96.         Australocaptris insularis         9         4           97.         Australocaptris actualitis         7           100.         Australocaptris actualitis         7 <td></td> <td>20700</td> <td></td> <td></td> <td>IA</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | 20700   |                                                                    |             | IA                |                                       |
| 78.         Arripis fruttaceus           79.         25566 Artamus cinerius (Black-faced Woodswallow)           81.         Artoria cingulipes           82.         Artoria Revimana           83.         Artoriopsis eccentrica           84.         Artoriopsis politia           85.         Artoriopsis politia           86.         Ascorias cociduria           87.         Aspasmogaster casmaniensis           89.         Aspinchna brightwelli           90.         Asymnopaster adendrica (Richerche Atelomastix millipede)         T           91.         41383 Atelomastix dendricia (Richerche Atelomastix millipede)         T           92.         Austracantha minax           94.         Austracantha minax           95.         Austraborpris insularis           96.         Austraborpris insularis           97.         Austraborpris insularis           98.         Austraborpris insularis           99.         Austraborpris insularis           100.         Austraborbusia           101.         Austraborbusia           102.         Austraborbusia maculatus           103.         Austrobestes arinulicus           104.         Austrobestes arinulicus           <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |         |                                                                    |             |                   |                                       |
| 80. 24353 Artamus cyanopterus (Dusky Woodswallow) 81. Artoria cingulipas 82. Artoria flavimana 83. Artoriopsis expolitia 84. Artoriopsis expolitia 85. Artoriopsis pengi 86. Ascorhis cocidula 87. Aspasmogaster occidentalis 88. Aspasmogaster tasmaniensis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma walfacei 93. Aulopus purpurisastus 94. Austracaptha minax 95. Australocypisi insularis 96. Australocypisi insularis 96. Australocypisi insularis 97. Australocypisi insularis 98. Austronedusa "Zhapili (SAP) 97. Australocypisi insularis 100. Austrolocytis insularis 101. Austrolabrus maculalus 102. Austrolestes analis 103. Austrolestes analis 104. Austrolestes anulosus 105. Austrolestes anulosus 106. Austrolestes anulosus 107. Austrolestes anulosus 108. Barnardius zonarius 109. Belioliode sp. 22 111. Belioliodes pp. 22 111. Beliolioriosp xantholrorosos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |         |                                                                    |             |                   | Υ                                     |
| 81. Artoria flavimana 82. Artoria flavimana 83. Artoriopsis econtrica 84. Artoriopsis expolita 85. Artoriopsis expolita 86. Ascorhis occidua 87. Aspasmogaster occidentalis 88. Aspasmogaster occidentalis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 14383 Alcolmastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Australocypris Insularis 95. Australocypris Insularis 96. Australocypris Insularis 97. Australocypris Insularis 98. Australocypris Insularis 99. Austrochitoria sp. 90. Austrochitoria sp. 100. Austrochitoria sp. 101. Austrochitoria sp. 102. Austrochitoria sp. 103. Austrochitoria sp. 104. Austrochitoria sp. 105. Austrochitoria sp. 106. Austrochitoria Sp. 107. Austrolatis stabrulus 108. Austrochitoria Sp. 109. Austrochitoria Sp. 101. Austrolatis sp. 102. Austrolatis Stabrulus 103. Austrolatis sp. 104. Austrolatis sp. 105. Austrolatis Sp. 106. Austrolatis sp. 107. Austrolatis sp. 108. Barnardius zonarius 109. Beleiloide ap. 110. Beleiloidea sp. 22 111. Beleiloidea sp. 22 112. Beliops xantholrososs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 79.  | 25566   | Artamus cinereus (Black-faced Woodswallow)                         |             |                   |                                       |
| 82. Artoria flavimana 83. Artoriopsis eccentrica 84. Artoriopsis occentrica 85. Artoriopsis pergi 86. Ascorbia occidura 87. Aspasmogaster occidentalis 88. Aspasmogaster tasmaniensis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383. Atelomastix dendritica (Recherche Atelomastix millipede) Ţ Y 92. Atherinosoma wallacei 93. Aulicpus purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 97. Austraogrino ryane 98. Austrochilionia subtenuis 100. Austrochilionia subtenuis 101. Austrolebrus maculatus 102. Austrolebrus amculatus 103. Austrolebrus amculatus 104. Austrolestes anniusus 105. Austrolestes anniusus 106. Austrolestes anniusus 107. Austrolestes anniusus 108. Barnarius zonarius 109. Belaloidea sp. 2:2 111. Belaloidea sp. 2:2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 80.  | 24353   | Artamus cyanopterus (Dusky Woodswallow)                            |             |                   |                                       |
| 83. Artoriopsis excentrica 84. Artoriopsis pergi 86. Ascorhis occidua 87. Aspasmogaster occidentalis 88. Aspasmogaster occidentalis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastik dendritica (Recherche Atelomastix millipede) 92. Atherinosoma waliacei 93. Aulopus purprissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 96. Australocypris insularis 97. Austracantha minax 98. Austrachiltorinia subtenuis 99. Austrochiltoria sp. 90. Austrochiltoria subtenuis 100. Austrocheus staplesi 101. Austrocheus ataplesi 102. Austrocheus ataplesi 103. Austrocheus staplesi 104. Austrocheus staplesi 105. Austrocheus staplesi 106. Austrocheus staplesi 107. 24318 Aythya australis 108. Bamardus zonarius 109. Belelioidea sp. 2:2 111. Belelioidea sp. 2:2 111. Belelioigea panagaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 81.  |         | Artoria cingulipes                                                 |             |                   |                                       |
| 84. Artoriopsis expolita  85. Artoriopsis pergi  86. Ascoriis occidua  87. Aspasmogaster occidentalis  88. Aspasmogaster tesmaniensis  89. Asplancha brightwelli  90. Asymbolus vincenti  91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede)  92. Atherinosoma wallacei  93. Aulopus purpurissatus  94. Austracarinta minax  95. Australocypris insularis  96. Australocypris insularis  97. Austroagrion cyane  98. Austrochiltonia sp.  99. Austrochiltonia sp.  100. Austrodecus staplesi  101. Austrodestes analus  102. Austrolestes analus  104. Austrolestes annulosus  105. Austrolestes annulosus  106. Austrolestes andus  107. 24318 Aythya australis (Hardhead)  108. Barnardius zonarius  109. Bdelloidea sp. 22  111. Belloidea sp. 22  111. Belloidea sp. 22  111. Benelorgia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 82.  |         | Artoria flavimana                                                  |             |                   |                                       |
| 85. Artoriopsis joergi 86. Ascorbis occidua 87. Aspasmogaster tasmaniensis 88. Aspasmogaster tasmaniensis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austracantha minax 95. Australorypris insularis 96. Australoredusa ?baylii (SAP) 97. Austroagrion cyane 98. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrodecus staplesi 110. Austrolabrus maculatus 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes analis 104. Austrolestes s anulosus 105. Austrolestes s p. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea sp. 2:2 111. Belloidea sp. 2:2 111. Belloidea sp. 2:2 111. Benleorgia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |         | Artoriopsis eccentrica                                             |             |                   |                                       |
| 86. Ascorhis occidua 87. Aspasmogaster cocidentalis 88. Aspasmogaster cocidentalis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 97. Australocypris insularis 98. Austrochiltonia sp. 99. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrodecus staplesi 101. Austrolabrus maculatus 102. Austrolestes aridus 103. Austrolestes aridus 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes io 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea sp. 111. Bdelloidea sp. 111. Bdelloidea sp. 111. Belloidea sp. 112. Beliops xanthokrassos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |         |                                                                    |             |                   |                                       |
| 87. Aspasmogaster occidentalis 88. Aspasmogaster tasmaniensis 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma wallacei 93. Aulopus purpurisatus 94. Austracantha minax 95. Australocypris insularis 96. Austradoventia Sabylii (SAP) 97. Austraegrion cyane 98. Austrochiticnia sp. 99. Austrochiticnia sp. 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes anuliosus 103. Austrolestes anuliosus 104. Austrolestes anuliosus 105. Austrolestes anuliosus 106. Austrolestes anuliosus 107. 24318 Aythya australis (Hardhead) 108. Barnardius Zonarius 109. Belelloidea sp. 2/2 111. Belelioidea sp. 2/2 111. Belelioidea pt. 2/2 111. Belelioise paragroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         | 1 1 1                                                              |             |                   |                                       |
| 88. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) 7 Y 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austraachtan minax 95. Australocypris insularis 96. Australocypris insularis 97. Austroagrion cyane 98. Austrochiltonia sp. 99. Austrochiltonia sp. 100. Austrodecus staplesi 101. Austrolatus manulatus 102. Austrolatus manulatus 103. Austrolatus analis 104. Austrolatus analis 105. Austrolatus analis 106. Austrolatus analis 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea sp. 22 111. Bdelloidea sp. 2.2 111. Beleloicea spangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         |                                                                    |             |                   |                                       |
| 89. Asplanchna brightwelli 90. Asymbolus vincenti 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 97. Austroagrion cyane 98. Austrochittoria sp. 99. Austrochittoria subtenuis 100. Austrodesus staplesi 101. Austrodesus staplesi 102. Austrolestes analis 103. Austrolestes analis 104. Austrodestes analis 105. Austrolestes arifus 106. Austrodestes analis 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea sp. 2:2 110. Bdelloidea sp. 2:2 111. Beleloste barnagaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         | , ,                                                                |             |                   |                                       |
| 90. Asymbolus vincenti 91. 41383 Atelomatika dendritica (Recherche Atelomastix millipede) 7 Y 92. Atherinosoma wallacei 93. Aulojous purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 97. Austraojon cyane 98. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrochiltonia subtenuis 110. Austrolabrus maculatus 1102. Austrolestes analis 1103. Austrolestes analis 1104. Austrolestes aniulosus 1105. Austrolestes io 1106. Austrolestes io 1107. 24318 Aythya australis (Hardhead) 1108. Barnardius zonarius 1109. Bdelloidea sp. 1110. Bdelloidea sp. 1111. Bdelloidea sp. 2:2 1112. Beleiops xanthokrossos 1113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                                    |             |                   |                                       |
| 91. 41383 Atelomastix dendritica (Recherche Atelomastix millipede) T Y 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australomedusa ?baylii (SAP) 97. Austroagrion cyane 98. Austrochitlonia subtenuis 100. Austrolabrus maculatus 1101. Austrolabrus maculatus 1102. Austrolabrus maculatus 1103. Austrolestes annilosus 1104. Austrolestes aridus 1105. Austrolestes aridus 1106. Austrolestes sio 1107. 24318 Aythya australis (Hardhead) 1108. Barmardius Zonarius 1109. Bdelloidea p. 2:2 1112. Beliops xanthokrossos 1113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                                    |             |                   |                                       |
| 92. Atherinosoma wallacei 93. Aulopus purpurissatus 94. Austracantha minax 95. Australocypris insularis 96. Australocypris insularis 97. Austroagrion cyane 98. Austrochiltonia sp. 99. Austrochiltonia sp. 100. Austrodeus staplesi Y 101. Austrodeus staplesi Y 102. Austrolestes analis 103. Austrolestes analis 104. Austrolestes aridus 105. Austrolestes aridus 106. Austrolestes aridus 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 41383   | ·                                                                  |             | Т                 | Υ                                     |
| 94. Austracantha minax 95. Australocypris insularis 96. Austracypris insularis 97. Austroagrino ryane 98. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes sio 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                                    |             |                   |                                       |
| 95. Australocypris insularis 96. Australomedusa ?baylii (SAP) 97. Austroagrion cyane 98. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes aridus 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea gp. 21 110. Bdelloidea sp. 22 1112. Belloips xanthokrossos 1113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |         |                                                                    |             |                   |                                       |
| 96. Australomedusa ?baylii (SAP)  97. Austroagrion cyane  98. Austrochiltonia sp.  99. Austrochiltonia subtenuis  100. Austrodesus staplesi Y  101. Austrolestes analis 102. Austrolestes annulosus 104. Austrolestes annulosus 105. Austrolestes aridus 106. Austrolestes sio 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 1110. Bdelloidea sp. 2:2 1111. Bdelloidea sp. 2:2 1112. Beliops xanthokrossos 1113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 94.  |         | Austracantha minax                                                 |             |                   |                                       |
| 97. Austroagrion cyane  98. Austrochiltonia sp.  99. Austrochiltonia subtenuis  100. Austrodecus staplesi Y  101. Austrolabrus maculatus  102. Austrolestes analis  103. Austrolestes annulosus  104. Austrolestes aridus  105. Austrolestes aridus  106. Austrolestes sp.  107. 24318 Aythya australis (Hardhead)  108. Barnardius zonarius  109. Bdelloidea med-large contracted of RJS (SAP)  110. Bdelloidea sp.  111. Bdelloidea sp. 2:2  112. Beliops xanthokrossos  113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 95.  |         | Australocypris insularis                                           |             |                   |                                       |
| 98. Austrochiltonia sp. 99. Austrochiltonia subtenuis 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes aridus 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 2:2 111. Bdelloiga barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 96.  |         | Australomedusa ?baylii (SAP)                                       |             |                   |                                       |
| 99. Austrochiltonia subtenuis 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |                                                                    |             |                   |                                       |
| 100. Austrodecus staplesi Y 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                                    |             |                   |                                       |
| 101. Austrolabrus maculatus 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |         |                                                                    |             |                   |                                       |
| 102. Austrolestes analis 103. Austrolestes annulosus 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         | ·                                                                  |             |                   | Υ                                     |
| 103. Austrolestes annulosus  104. Austrolestes aridus  105. Austrolestes io  106. Austrolestes sp.  107. 24318 Aythya australis (Hardhead)  108. Barnardius zonarius  109. Bdelloidea med-large contracted of RJS (SAP)  110. Bdelloidea sp.  111. Bdelloidea sp. 2:2  112. Beliops xanthokrossos  113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                                    |             |                   |                                       |
| 104. Austrolestes aridus 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |                                                                    |             |                   |                                       |
| 105. Austrolestes io 106. Austrolestes sp. 107. 24318 Aythya australis (Hardhead) 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |         |                                                                    |             |                   |                                       |
| <ul> <li>106. Austrolestes sp.</li> <li>107. 24318 Aythya australis (Hardhead)</li> <li>108. Barnardius zonarius</li> <li>109. Bdelloidea med-large contracted of RJS (SAP)</li> <li>110. Bdelloidea sp.</li> <li>111. Bdelloidea sp. 2:2</li> <li>112. Beliops xanthokrossos</li> <li>113. Bennelongia barangaroo lineage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         |                                                                    |             |                   |                                       |
| 107. 24318 Aythya australis (Hardhead)  108. Barnardius zonarius  109. Bdelloidea med-large contracted of RJS (SAP)  110. Bdelloidea sp.  111. Bdelloidea sp. 2:2  112. Beliops xanthokrossos  113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |         |                                                                    |             |                   |                                       |
| 108. Barnardius zonarius 109. Bdelloidea med-large contracted of RJS (SAP) 110. Bdelloidea sp. 111. Bdelloidea sp. 2:2 112. Beliops xanthokrossos 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 24318   | ·                                                                  |             |                   |                                       |
| <ul> <li>Bdelloidea med-large contracted of RJS (SAP)</li> <li>Bdelloidea sp.</li> <li>Bdelloidea sp. 2:2</li> <li>Beliops xanthokrossos</li> <li>Bennelongia barangaroo lineage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |                                                                    |             |                   |                                       |
| <ul> <li>111. Bdelloidea sp. 2:2</li> <li>112. Beliops xanthokrossos</li> <li>113. Bennelongia barangaroo lineage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |         | Bdelloidea med-large contracted of RJS (SAP)                       |             |                   |                                       |
| <ul> <li>112. Beliops xanthokrossos</li> <li>113. Bennelongia barangaroo lineage</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 110. |         | Bdelloidea sp.                                                     |             |                   |                                       |
| 113. Bennelongia barangaroo lineage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 111. |         | Bdelloidea sp. 2:2                                                 |             |                   |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |         |                                                                    |             |                   |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 113. |         | Bennelongia barangaroo lineage                                     | , feba -    |                   |                                       |







|                 | Name ID            | Species Name                                                                                    | Naturali   | sed           | Conservation Code | <sup>1</sup> Endemic To Quer<br>Area |
|-----------------|--------------------|-------------------------------------------------------------------------------------------------|------------|---------------|-------------------|--------------------------------------|
| 114.            |                    | Bennelongia frumenta                                                                            |            |               |                   |                                      |
| 115.            |                    | Berosus discolor                                                                                |            |               |                   |                                      |
| 116.            |                    | Berosus munitipennis                                                                            |            |               |                   |                                      |
| 117.            |                    | Berosus sp.                                                                                     |            |               |                   |                                      |
| 118.            |                    | Bezzia sp. (not 1 or 2)                                                                         |            |               |                   |                                      |
| 119.            |                    | Bivalvia sp.                                                                                    |            |               |                   |                                      |
| 120.            | 24319              | Biziura lobata (Musk Duck)                                                                      |            |               |                   |                                      |
| 121.            |                    | Boeckella triarticulata                                                                         |            |               |                   |                                      |
| 122.            |                    | Bostockia porosa                                                                                |            |               |                   |                                      |
| 123.            |                    | Brachaluteres jacksonianus                                                                      |            |               |                   |                                      |
| 124.            |                    | Brachionus angularis                                                                            |            |               |                   |                                      |
| 125.            |                    | Brachionus cf. nilsoni (SAP)                                                                    |            |               |                   |                                      |
| 126.            |                    | Brachionus cf. niisolii (SAP)                                                                   |            |               |                   |                                      |
| 120.            |                    |                                                                                                 |            |               |                   |                                      |
|                 |                    | Brachionus leydigii                                                                             |            |               |                   | V                                    |
| 128.            |                    | Brachionus plicatilis complex ("towerinninensis" form)                                          |            |               |                   | Y                                    |
| 129.            |                    | Brachionus plicatilis s.l.                                                                      |            |               |                   |                                      |
| 130.            |                    | Brachionus quadridentatus cluniorbicularis                                                      |            |               |                   |                                      |
| 131.            |                    | Brachionus rotundiformis                                                                        |            |               |                   |                                      |
| 132.            |                    | Brachionus sp.                                                                                  |            |               |                   |                                      |
| 133.            |                    | Brachionus urceolaris s.l.                                                                      |            |               |                   |                                      |
| 134.            |                    | Brachynectes fasciatus                                                                          |            |               |                   |                                      |
| 135.            |                    | Bradyagaue exilis                                                                               |            |               |                   | Y                                    |
| 136.            |                    | Branchipodidae sp.                                                                              |            |               |                   |                                      |
| 137.            |                    | Brentidae sp.                                                                                   |            |               |                   |                                      |
| 138.            | 24359              | Burhinus grallarius (Bush Stone-curlew)                                                         |            |               |                   |                                      |
| 139.            |                    | Caboncypris kondininensis                                                                       |            |               |                   |                                      |
| 140.            | 25598              | Cacomantis flabelliformis (Fan-tailed Cuckoo)                                                   |            |               |                   |                                      |
| 141.            | 24427              | Cacomantis flabelliformis subsp. flabelliformis (Fan-tailed Cuckoo)                             |            |               |                   |                                      |
| 142.            | 42307              | Cacomantis pallidus (Pallid Cuckoo)                                                             |            |               |                   |                                      |
| 143.            |                    | Calamanthus campestris (Rufous Fieldwren)                                                       |            |               |                   |                                      |
| 144.            |                    | Calamoecia clitellata                                                                           |            |               |                   |                                      |
| 145.            |                    | Calamoecia sp. 342 (ampulla variant) (CB)                                                       |            |               |                   |                                      |
| 146.            |                    | Calanoida sp.                                                                                   |            |               |                   |                                      |
| 147.            | 24779              | Calidris acuminata (Sharp-tailed Sandpiper)                                                     |            |               | IA                |                                      |
| 148.            |                    | Calidris alba (Sanderling)                                                                      |            |               | IA                |                                      |
|                 |                    |                                                                                                 |            |               |                   |                                      |
| 149.            |                    | Calidris canutus (Red Knot, knot)                                                               |            |               | IA<br>-           |                                      |
| 150.            |                    | Calidris canutus subsp. rogersi (Red Knot (north-eastern Siberia))                              |            |               | T                 |                                      |
| 151.            |                    | Calidris ferruginea (Curlew Sandpiper)                                                          |            |               | T                 |                                      |
| 152.            |                    | Calidris melanotos (Pectoral Sandpiper)                                                         |            |               | IA                |                                      |
| 153.            |                    | Calidris ruficollis (Red-necked Stint)                                                          |            |               | IA                |                                      |
| 154.            | 24790              | Calidris tenuirostris (Great Knot)                                                              |            |               | Т                 |                                      |
| 155.            |                    | Callogobius mucosus                                                                             |            |               |                   |                                      |
| 156.            | 24734              | Calyptorhynchus latirostris (Carnaby's Cockatoo, White-tailed Short-billed Black                |            |               | Т                 |                                      |
|                 |                    | Cockatoo)                                                                                       |            |               | '                 |                                      |
| 157.            | 48400              | Calyptorhynchus sp. (white-tailed black cockatoo)                                               |            |               | T                 |                                      |
| 158.            |                    | Candonocypris novaezelandiae                                                                    |            |               |                   |                                      |
| 159.            |                    | Capitella sp.                                                                                   |            |               |                   |                                      |
| 160.            |                    | Capitellidae sp.                                                                                |            |               |                   |                                      |
| 161.            | 24253              | Capra hircus (Goat)                                                                             | Υ          |               |                   |                                      |
| 162.            |                    | Capropygia unistriata                                                                           |            |               |                   |                                      |
| 163.            |                    | Carabidae sp.                                                                                   |            |               |                   |                                      |
| 164.            |                    | Carcharhinus brachyurus                                                                         |            |               |                   |                                      |
| 165.            | 34034              | Carcharinius brachyurus  Carcharias taurus (Grey Nurse Shark)                                   |            |               | Т                 |                                      |
|                 |                    |                                                                                                 |            |               | T                 |                                      |
| 166.            | 20330              | Caretta caretta (Loggerhead Turtle)                                                             |            |               | ı                 |                                      |
| 167.            |                    | Central via couleate                                                                            |            |               |                   |                                      |
| 168.            |                    | Centropyxis aculeata                                                                            |            |               |                   |                                      |
| 169.            |                    | Centropyxis cassis                                                                              |            |               |                   | Y                                    |
| 170.            |                    | Centropyxis sp. b (SAP)                                                                         |            |               |                   |                                      |
| 171.            |                    | Ceratopogonidae sp.                                                                             |            |               |                   |                                      |
| 172.            |                    | Ceratopogonidae sp. A (SAP)                                                                     |            |               |                   |                                      |
| 173.            | 24086              | Cercartetus concinnus (Western Pygmy-possum, Mundarda)                                          |            |               |                   |                                      |
| 174.            |                    | Cercophonius granulosus                                                                         |            |               |                   |                                      |
| 175.            | 25551              | Cereopsis novaehollandiae (Cape Barren Goose)                                                   |            |               | Т                 |                                      |
| 176.            | 24320              | Cereopsis novaehollandiae subsp. grisea (Recherche Cape Barren Goose, Cape                      |            |               | _                 |                                      |
|                 |                    | Barren Goose)                                                                                   |            |               | Т                 |                                      |
| 177.            |                    | Ceriodaphnia n. sp. c (Berner sp.#1) (SAP)                                                      |            |               |                   |                                      |
| 178.            | 25573              | Charadrius bicinctus (Double-banded Plover)                                                     |            |               | IA                |                                      |
| 179.            |                    | Charadrius leschenaultii (Greater Sand Plover)                                                  |            |               | T                 |                                      |
| 180.            |                    | Charadrius mongolus (Lesser Sand Plover)                                                        |            |               | T                 |                                      |
| 181.            |                    | Charadrius ruficapillus (Red-capped Plover)                                                     |            |               | '                 |                                      |
| 101.            | 24311              | onardando runcapindo (1504-0appeu F10Vel)                                                       | , felalt , | Done          | Pladius its       | Western Western                      |
|                 |                    |                                                                                                 | 16 1 N     | Department of | Biodiversity,     | WESTER                               |
| p is a collabor | ative project of t | the Department of Biodiversity, Conservation and Attractions and the Western Australian Museum. |            | Conservation  | and Attractions   | AUSTRA                               |

Page 3



|                                                                      | Name ID | Species Name                                                                                                                                      | Naturalised | Conservation Code | <sup>1</sup> Endemic To Quei<br>Area |
|----------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|--------------------------------------|
| 182.                                                                 |         | Chenonetta jubata (Australian Wood Duck, Wood Duck)                                                                                               |             |                   |                                      |
| 183.                                                                 | 47909   | Cheramoeca leucosterna (White-backed Swallow)                                                                                                     |             |                   |                                      |
| 184.<br>185.                                                         |         | Chironomidae sp.                                                                                                                                  |             |                   |                                      |
| 186.                                                                 |         | Chironominae sp. Chironomus aff. alternans (V24) (CB)                                                                                             |             |                   |                                      |
| 187.                                                                 |         | Chironomus occidentalis                                                                                                                           |             |                   |                                      |
| 188.                                                                 |         | Chironomus tepperi                                                                                                                                |             |                   |                                      |
| 189.                                                                 | 24980   | Christinus marmoratus (Marbled Gecko)                                                                                                             |             |                   |                                      |
| 190.                                                                 |         | Chroicocephalus novaehollandiae                                                                                                                   |             |                   |                                      |
| 191.                                                                 |         | Chromis klunzingeri                                                                                                                               |             |                   |                                      |
| 192.                                                                 | 24288   | Circus approximans (Swamp Harrier)                                                                                                                |             |                   |                                      |
| 193.                                                                 | 24289   | Circus assimilis (Spotted Harrier)                                                                                                                |             |                   |                                      |
| 194.                                                                 |         | Cladopelma curtivalva                                                                                                                             |             |                   |                                      |
| 195.                                                                 | 24774   | Cladorhynchus leucocephalus (Banded Stilt)                                                                                                        |             |                   |                                      |
| 196.                                                                 |         | Cladotanytarsus sp. A (SAP)                                                                                                                       |             |                   |                                      |
| 197.                                                                 |         | Cletocamptus aff deitersi                                                                                                                         |             |                   |                                      |
| 198.                                                                 |         | Clinohelea sp.                                                                                                                                    |             |                   |                                      |
| 199.                                                                 |         | Clynotis albobarbatus                                                                                                                             |             |                   |                                      |
| 200.                                                                 |         | Colluricincla harmonica (Grey Shrike-thrush)                                                                                                      |             |                   |                                      |
| 201.                                                                 | 24399   | Columba livia (Domestic Pigeon)                                                                                                                   | Υ           |                   |                                      |
| 202.                                                                 |         | Colurella colurus                                                                                                                                 |             |                   |                                      |
| 203.                                                                 |         | Colurella uncinata                                                                                                                                |             |                   |                                      |
| 204.                                                                 | 25568   | Coracina novaehollandiae (Black-faced Cuckoo-shrike)                                                                                              |             |                   | .,                                   |
| 205.                                                                 |         | Cordylophora sp.                                                                                                                                  |             |                   | Y                                    |
| 206.                                                                 |         | Corrixidae sp.                                                                                                                                    |             |                   |                                      |
| 207.                                                                 | 24446   | Cormocephalus michaelseni                                                                                                                         |             |                   |                                      |
| 208.<br>209.                                                         |         | Corvus bennetti (Little Crow)                                                                                                                     |             |                   |                                      |
| 209.                                                                 |         | Corvus coronoides (Australian Raven)  Corvus coronoides subsp. perplexus (Australian Raven)                                                       |             |                   |                                      |
| 211.                                                                 | 24417   | Corynoneura sp. (V49) (SAP)                                                                                                                       |             |                   |                                      |
| 211.                                                                 | 2/671   | Coturnix pectoralis (Stubble Quail)                                                                                                               |             |                   |                                      |
| 213.                                                                 |         | Coturnix positoralis (Stabble eduary)  Coturnix ypsilophora (Brown Quail)                                                                         |             |                   |                                      |
| 214.                                                                 |         | Coturnix ypsilophora subsp. australis (Brown Quail)                                                                                               |             |                   |                                      |
| 215.                                                                 |         | Coxiella glabra                                                                                                                                   |             |                   |                                      |
| 216.                                                                 |         | Coxiella sp.                                                                                                                                      |             |                   |                                      |
| 217.                                                                 |         | Coxiella sp. 3 (ABP)                                                                                                                              |             |                   | Υ                                    |
| 218.                                                                 |         | Coxiella striatula                                                                                                                                |             |                   |                                      |
| 219.                                                                 | 24420   | Cracticus nigrogularis (Pied Butcherbird)                                                                                                         |             |                   |                                      |
| 220.                                                                 | 25595   | Cracticus tibicen (Australian Magpie)                                                                                                             |             |                   |                                      |
| 221.                                                                 | 24422   | Cracticus tibicen subsp. dorsalis (White-backed Magpie)                                                                                           |             |                   |                                      |
| 222.                                                                 | 25596   | Cracticus torquatus (Grey Butcherbird)                                                                                                            |             |                   |                                      |
| 223.                                                                 | 25398   | Crinia georgiana (Quacking Frog)                                                                                                                  |             |                   |                                      |
| 224.                                                                 | 25399   | Crinia glauerti (Clicking Frog)                                                                                                                   |             |                   |                                      |
| 225.                                                                 | 25401   | Crinia pseudinsignifera (Bleating Froglet)                                                                                                        |             |                   |                                      |
| 226.                                                                 | 30888   | Cryptoblepharus pulcher subsp. clarus                                                                                                             |             |                   |                                      |
| 227.                                                                 |         | Cryptochironomus griseidorsum                                                                                                                     |             |                   |                                      |
| 228.                                                                 | 42385   | Ctenophorus chapmani (Eastern Heath Dragon)                                                                                                       |             |                   |                                      |
| 229.                                                                 |         | Ctenophorus ornatus (Ornate Crevice-Dragon)                                                                                                       |             |                   |                                      |
| 230.                                                                 |         | Ctenotus impar                                                                                                                                    |             |                   |                                      |
| 231.                                                                 | 25049   | Ctenotus labillardieri                                                                                                                            |             |                   |                                      |
| 232.                                                                 |         | Culicidae sp.                                                                                                                                     |             |                   |                                      |
| 233.                                                                 |         | Culicoides sp.                                                                                                                                    |             |                   |                                      |
| 234.                                                                 | 0.4000  | Currous attatus (Black Super)                                                                                                                     |             |                   |                                      |
| 235.                                                                 | 24322   | Cygnus atratus (Black Swan)                                                                                                                       |             |                   |                                      |
| 236.                                                                 |         | Cypride australiensis                                                                                                                             |             |                   |                                      |
| 237.<br>238.                                                         |         | Cyprindus cingalansis                                                                                                                             |             |                   |                                      |
|                                                                      |         | Cyprinotus cingalensis Cyprinotus cingalensis (ex edwardi)                                                                                        |             |                   |                                      |
|                                                                      |         |                                                                                                                                                   |             |                   | V                                    |
| 239.                                                                 |         | Cytherideidae sp.  Dactylosurculus gomoni                                                                                                         |             |                   | Y                                    |
| 240.                                                                 |         |                                                                                                                                                   |             |                   |                                      |
| 240.<br>241.                                                         |         |                                                                                                                                                   |             |                   |                                      |
| <ul><li>240.</li><li>241.</li><li>242.</li></ul>                     |         | Daphnia australis                                                                                                                                 |             |                   |                                      |
| <ul><li>240.</li><li>241.</li><li>242.</li><li>243.</li></ul>        |         | Daphnia australis<br>Daphnia carinata                                                                                                             |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.                                 |         | Daphnia australis<br>Daphnia carinata<br>Daphnia queenslandensis                                                                                  |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.<br>245.                         |         | Daphnia australis Daphnia carinata Daphnia queenslandensis Daphnia sp.                                                                            |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.                                 |         | Daphnia australis<br>Daphnia carinata<br>Daphnia queenslandensis                                                                                  |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.<br>245.<br>246.<br>247.         | 25673   | Daphnia australis Daphnia carinata Daphnia queenslandensis Daphnia sp. Daphnia truncata Daphnia wardi                                             |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.<br>245.<br>246.                 | 25673   | Daphnia australis Daphnia carinata Daphnia queenslandensis Daphnia sp. Daphnia truncata                                                           |             |                   |                                      |
| 240.<br>241.<br>242.<br>243.<br>244.<br>245.<br>246.<br>247.<br>248. |         | Daphnia australis Daphnia carinata Daphnia queenslandensis Daphnia sp. Daphnia truncata Daphnia wardi Daphneonsitta chrysoptera (Varied Sittella) |             |                   |                                      |







|              | Name ID | Species Name                                                                         | Naturalised     | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------|---------|--------------------------------------------------------------------------------------|-----------------|-------------------|---------------------------------------|
| 252.         | 24052   | Delphinus delphis (Common Dolphin)                                                   |                 |                   |                                       |
| 253.         |         | Dermatopsis sp.                                                                      |                 |                   |                                       |
| 254.         | 25346   | Dermochelys coriacea (Leatherback Turtle)                                            |                 | Т                 |                                       |
| 255.<br>256. |         | Dero digitata Diacypris compacta                                                     |                 |                   |                                       |
| 257.         |         | Diacypris sp.                                                                        |                 |                   |                                       |
| 258.         |         | Diacypris sp. 581 (n. sp.) (SAP)                                                     |                 |                   | Υ                                     |
| 259.         |         | Diacypris spinosa                                                                    |                 |                   |                                       |
| 260.         |         | Diaprepocoris barycephala                                                            |                 |                   |                                       |
| 261.         |         | Diaprepocoris sp.                                                                    |                 |                   |                                       |
| 262.         |         | Dicrotendipes conjunctus                                                             |                 |                   |                                       |
| 263.         |         | Dicrotendipes pseudoconjunctus                                                       |                 |                   |                                       |
| 264.<br>265. |         | Dicrotendipes sp. Dicrotendipes sp. A (V47) (SAP)                                    |                 |                   |                                       |
| 266.         |         | Diodon sp.                                                                           |                 |                   |                                       |
| 267.         | 25618   | Diomedea exulans (Wandering Albatross)                                               |                 | Т                 |                                       |
| 268.         |         | Diplodactylus calcicolus (South Coast Gecko)                                         |                 |                   |                                       |
| 269.         |         | Dolichopodidae sp.                                                                   |                 |                   |                                       |
| 270.         |         | Dolichopodidae sp. B (SAP)                                                           |                 |                   |                                       |
| 271.         | 24470   | Dromaius novaehollandiae (Emu)                                                       |                 |                   |                                       |
| 272.         |         | Dytiscidae sp.                                                                       |                 |                   |                                       |
| 273.         | 25251   | Echiopsis curta (Bardick)                                                            |                 |                   |                                       |
| 274.<br>275. |         | Ecnomidae sp. Ecnomus pansus/turgidus                                                |                 |                   |                                       |
| 276.         | 25096   | Egernia kingii (King's Skink)                                                        |                 |                   |                                       |
| 277.         |         | Egernia napoleonis                                                                   |                 |                   |                                       |
| 278.         |         | Egretta garzetta                                                                     |                 |                   |                                       |
| 279.         |         | Egretta novaehollandiae                                                              |                 |                   |                                       |
| 280.         |         | Elanus axillaris                                                                     |                 |                   |                                       |
| 281.         |         | Elapognathus coronatus (Crowned Snake)                                               |                 |                   |                                       |
| 282.         | 47937   | Elseyornis melanops (Black-fronted Dotterel)                                         |                 |                   |                                       |
| 283.<br>284. |         | Emertonella maga Empididae sp.                                                       |                 |                   |                                       |
| 285.         |         | Enchytraeidae sp.                                                                    |                 |                   |                                       |
| 286.         |         | Enochrus eyrensis                                                                    |                 |                   |                                       |
| 287.         |         | Enochrus sp.                                                                         |                 |                   |                                       |
| 288.         |         | Eolophus roseicapillus                                                               |                 |                   |                                       |
| 289.         |         | Ephydridae sp.                                                                       |                 |                   |                                       |
| 290.         |         | Ephydridae sp. 3 (SAP)                                                               |                 |                   |                                       |
| 291.         |         | Ephydridae sp. 6 (SAP)                                                               |                 |                   |                                       |
| 292.<br>293. | 2/1567  | Ephydridae sp. 7(SAP) Epthianura albifrons (White-fronted Chat)                      |                 |                   |                                       |
| 294.         |         | Erythrogonys cinctus (Red-kneed Dotterel)                                            |                 |                   |                                       |
| 295.         |         | Esacus magnirostris (Beach Stone-curlew, Beach Thick-knee)                           |                 |                   |                                       |
| 296.         | 24043   | Eubalaena australis (Southern Right Whale)                                           |                 | Т                 |                                       |
| 297.         |         | Eubalichthys mosaicus                                                                |                 |                   |                                       |
| 298.         |         | Euchlanis dilatata                                                                   |                 |                   |                                       |
| 299.         | 05744   | Eucyclops australiensis                                                              |                 |                   |                                       |
| 300.<br>301. |         | Eudyptes chrysocome (Rockhopper Penguin) Eudyptes pachyrhynchus (Fiordland Penguin)  |                 |                   |                                       |
| 301.         |         | Eudyptes sclateri (Erect-crested Penguin)                                            |                 |                   | Υ                                     |
| 303.         |         | Eudyptula minor (Little Penguin)                                                     |                 |                   | ·                                     |
| 304.         |         | Exosphaeroma sp.                                                                     |                 |                   |                                       |
| 305.         |         | Eylais sp.                                                                           |                 |                   |                                       |
| 306.         |         | Falco berigora (Brown Falcon)                                                        |                 |                   |                                       |
| 307.         |         | Falco cenchroides (Australian Kestrel, Nankeen Kestrel)                              |                 |                   |                                       |
| 308.<br>309. |         | Falco longipennis (Australian Hobby)                                                 |                 | S                 |                                       |
| 310.         | 23024   | Falco peregrinus (Peregrine Falcon) Favonigobius lateralis                           |                 | 3                 |                                       |
| 311.         |         | Ferrissia petterdi                                                                   |                 |                   |                                       |
| 312.         |         | Filinia longiseta                                                                    |                 |                   |                                       |
| 313.         | 25727   | Fulica atra (Eurasian Coot)                                                          |                 |                   |                                       |
| 314.         | 24761   | Fulica atra subsp. australis (Eurasian Coot)                                         |                 |                   |                                       |
| 315.         |         | Galaxias maculatus                                                                   |                 |                   |                                       |
| 316.         |         | Galaxias truttaceus (Trout Minnow)  Callirallus philippopois (Puff handed Paill)     |                 |                   |                                       |
| 317.<br>318. |         | Gallirallus philippensis (Buff-banded Rail) Gavicalis virescens (Singing Honeyeater) |                 |                   |                                       |
| 319.         | 72014   | Gea theridioides                                                                     |                 |                   |                                       |
| 320.         |         | Geogarypus taylori                                                                   |                 |                   |                                       |
| 321.         | 34030   | Geotria australis (Pouched Lamprey)                                                  |                 | P3                |                                       |
|              |         |                                                                                      | Department of B | liodiversity,     | MESTERN                               |





|              | Name ID | Species Name                                                            | Naturalised   | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------|---------|-------------------------------------------------------------------------|---------------|-------------------|---------------------------------------|
| 322.         | 25530   | Gerygone fusca (Western Gerygone)                                       |               |                   |                                       |
| 323.         |         | Gianius sp. WA9 (SAP)                                                   |               |                   | Υ                                     |
| 324.         |         | Gladioferens imparipes                                                  |               |                   |                                       |
| 325.         | 47962   | Glyciphila melanops (Tawny-crowned Honeyeater)                          |               |                   |                                       |
| 326.         |         | Glyptophysa cf. gibbosa (SAP)                                           |               |                   |                                       |
| 327.         | 24442   | Gonorynchus greyi                                                       |               |                   |                                       |
| 328.<br>329. |         | Grallina cyanoleuca (Magpie-lark)                                       |               |                   |                                       |
| 330.         | 24000   | Grampus griseus (Risso's Dolphin) Gymnocthebius sp. 1 (SAP)             |               |                   |                                       |
| 331.         |         | Gymnometriocnemus sp. B (=V45=sp. A&2=ortho sp. O)                      |               |                   |                                       |
| 332.         |         | Gymnometriocnemus spp. (not V44 or V45)                                 |               |                   |                                       |
| 333.         | 25627   | Haematopus fuliginosus (Sooty Oystercatcher)                            |               |                   |                                       |
| 334.         |         | Haematopus fuliginosus subsp. fuliginosus (Sooty Oystercatcher)         |               |                   |                                       |
| 335.         |         | Haematopus longirostris (Pied Oystercatcher)                            |               |                   |                                       |
| 336.         |         | Haliaeetus leucogaster (White-bellied Sea-Eagle)                        |               |                   |                                       |
| 337.         | 24295   | Haliastur sphenurus (Whistling Kite)                                    |               |                   |                                       |
| 338.         |         | Halichoeres brownfieldi                                                 |               |                   |                                       |
| 339.         |         | Halicyclops sp. 1 (nr ambiguus) (SAP)                                   |               |                   |                                       |
| 340.         |         | Haliplus fuscatus                                                       |               |                   |                                       |
| 341.         |         | Haliplus sp.                                                            |               |                   |                                       |
| 342.         |         | Haloniscus searlei                                                      |               |                   |                                       |
| 343.         |         | Haloniscus sp.                                                          |               |                   |                                       |
| 344.         |         | Harpacticoida sp                                                        |               |                   |                                       |
| 345.         |         | Helcogramma decurrens                                                   |               |                   |                                       |
| 346.         |         | Heleioporus eyrei (Moaning Frog)                                        |               |                   |                                       |
| 347.         | 25412   | Heleioporus psammophilus (Sand Frog)                                    |               |                   |                                       |
| 348.         |         | Hellyethira litua                                                       |               |                   |                                       |
| 349.         |         | Helochares tenuistriatus                                                |               |                   |                                       |
| 350.         | 05447   | Hemicordulia tau                                                        |               |                   |                                       |
| 351.         | 25117   | Hemiergis peronii subsp. peronii                                        |               |                   |                                       |
| 352.<br>353. |         | Heteroceridae sp. Heteroclinus roseus                                   |               |                   |                                       |
| 353.<br>354. |         | Heteroclinus sp.                                                        |               |                   |                                       |
| 355.         |         | Hexarthra fennica                                                       |               |                   |                                       |
| 356.         |         | Hexarthra n. sp.a (cf. fennica with 7/7 unci teeth) (SAP)               |               |                   |                                       |
| 357.         | 47965   | Hieraaetus morphnoides (Little Eagle)                                   |               |                   |                                       |
| 358.         |         | Himantopus himantopus (Black-winged Stilt)                              |               |                   |                                       |
| 359.         |         | Hirudinea sp.                                                           |               |                   |                                       |
| 360.         | 24491   | Hirundo neoxena (Welcome Swallow)                                       |               |                   |                                       |
| 361.         |         | Histiophryne cryptacanthus                                              |               |                   |                                       |
| 362.         |         | Hogna crispipes                                                         |               |                   |                                       |
| 363.         |         | Holasteron esperance                                                    |               |                   | Υ                                     |
| 364.         |         | Hyderodes crassus                                                       |               |                   |                                       |
| 365.         |         | Hydra sp.                                                               |               |                   |                                       |
| 366.         |         | Hydrachnidae sp.                                                        |               |                   |                                       |
| 367.         |         | Hydrobiidae sp.                                                         |               |                   |                                       |
| 368.         | 40507   | Hydrophilidae sp.                                                       |               |                   |                                       |
| 369.         | 48587   | Hydroprogne caspia (Caspian Tern)                                       |               | IA                |                                       |
| 370.<br>371. |         | Hydryphantes meridianus Hyphydrus elegans                               |               |                   |                                       |
| 371.<br>372. |         | Hypnyarus elegans Hypcryptus cf. timmsi (SAP)                           |               |                   | Y                                     |
| 372.         |         | llyocypris australiensis                                                |               |                   | ,                                     |
| 374.         |         | llyodromus sp.                                                          |               |                   |                                       |
| 375.         |         | Ischnura heterosticta heterosticta                                      |               |                   |                                       |
| 376.         | 48588   | Isoodon fusciventer (Quenda, southwestern brown bandicoot)              |               | P4                |                                       |
| 377.         |         | Isopeda leishmanni                                                      |               |                   |                                       |
| 378.         |         | Karaops francesae                                                       |               |                   |                                       |
| 379.         |         | Kathetostoma laeve                                                      |               |                   |                                       |
| 380.         |         | Kennethia cristata                                                      |               |                   |                                       |
| 381.         |         | Keratella australis                                                     |               |                   |                                       |
| 382.         |         | Keratella cf. quadrata (SAP)                                            |               |                   |                                       |
| 383.         |         | Keratella procurva                                                      |               |                   |                                       |
| 384.         |         | Keratella quadrata                                                      |               |                   |                                       |
| 385.         |         | Kiefferulus intertinctus                                                |               |                   |                                       |
| 386.<br>387. |         | Kiefferulus martini Koenikaa nr australica (-verrucosa)                 |               |                   |                                       |
| 387.         | 24070   | Koenikea nr australica (=verrucosa) Kogia breviceps (Pygmy Sperm Whale) |               |                   |                                       |
| 389.         | 27010   | Lampona cylindrata                                                      |               |                   |                                       |
| 390.         |         | Lancetes lanceolatus                                                    |               |                   |                                       |
| 391.         |         | Lancetes sp.                                                            |               |                   |                                       |
|              |         |                                                                         | Department of | Biodiversity,     | MESTERN                               |







|              | Name ID | Species Name                                                                   | Naturalised     | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------|---------|--------------------------------------------------------------------------------|-----------------|-------------------|---------------------------------------|
| 392.         | 24510   | Larus dominicanus (Kelp Gull)                                                  |                 |                   |                                       |
| 393.         | 24511   | Larus novaehollandiae subsp. novaehollandiae (Silver Gull)                     |                 |                   |                                       |
| 394.         | 25638   | Larus pacificus (Pacific Gull)                                                 |                 |                   |                                       |
| 395.         | 24512   | Larus pacificus subsp. georgii (Pacific Gull)                                  |                 |                   |                                       |
| 396.         |         | Lecane (M) sp. A (ESP023)                                                      |                 |                   | Υ                                     |
| 397.         |         | Lecane [M] sp.                                                                 |                 |                   |                                       |
| 398.         |         | Lecane bulla                                                                   |                 |                   |                                       |
| 399.         |         | Lecane luna                                                                    |                 |                   |                                       |
| 400.         |         | Lecane sp. s.str.                                                              |                 |                   |                                       |
| 401.         | 24557   | Leipoa ocellata (Malleefowl)                                                   |                 | T                 |                                       |
| 402.<br>403. |         | Lepadella discoidea                                                            |                 |                   |                                       |
| 404.         |         | Lepadella patella Lepidoblennius marmoratus                                    |                 |                   |                                       |
| 405.         |         | Lepidoptera (non-pyralid)                                                      |                 |                   |                                       |
| 406.         |         | Lepidoptera (non-pyralid) sp. 3 (SAP)                                          |                 |                   |                                       |
| 407.         |         | Lepidoptera (non-pyralid) sp. 9 (SAP) (nr Pilbara sp. 3)                       |                 |                   |                                       |
| 408.         |         | Leptatherina presbyteroides                                                    |                 |                   |                                       |
| 409.         |         | Leptoceridae sp.                                                               |                 |                   |                                       |
| 410.         |         | Leptocythere lacustris                                                         |                 |                   |                                       |
| 411.         |         | Leptoichthys fistularius                                                       |                 |                   |                                       |
| 412.         | 25131   | Lerista distinguenda                                                           |                 |                   |                                       |
| 413.         |         | Lesquereusia sp.                                                               |                 |                   |                                       |
| 414.         |         | Leydigia cf. leydigii (SAP)                                                    |                 |                   |                                       |
| 415.         | 25659   | Lichenostomus leucotis (White-eared Honeyeater)                                |                 |                   |                                       |
| 416.         |         | Lichmera indistincta (Brown Honeyeater)                                        |                 |                   |                                       |
| 417.         | 25739   | Limicola falcinellus (Broad-billed Sandpiper)                                  |                 | IA                |                                       |
| 418.         |         | Limnesia dentifera                                                             |                 |                   |                                       |
| 419.         |         | Limnichidae sp.                                                                |                 |                   |                                       |
| 420.         |         | Limnichthys fasciatus                                                          |                 |                   |                                       |
| 421.         | 05445   | Limnochares australica                                                         |                 |                   |                                       |
| 422.         | 25415   | Limnodynastes dorsalis (Western Banjo Frog)                                    |                 |                   |                                       |
| 423.<br>424. | 30033   | Limnophyes vestitus (V41)                                                      |                 | IA                |                                       |
| 425.         |         | Limosa lapponica (Bar-tailed Godwit)  Litoria adelaidensis (Slender Tree Frog) |                 | IA                |                                       |
| 426.         |         | Litoria cyclorhyncha (Spotted-thighed Frog)                                    |                 |                   |                                       |
| 427.         |         | Lohmannella pinggi                                                             |                 |                   |                                       |
| 428.         |         | Lophoictinia isura                                                             |                 |                   |                                       |
| 429.         |         | Lotella rhacinus                                                               |                 |                   |                                       |
| 430.         | 24132   | Macropus fuliginosus (Western Grey Kangaroo)                                   |                 |                   |                                       |
| 431.         |         | Macrothrix breviseta                                                           |                 |                   |                                       |
| 432.         |         | Macrothrix cf. breviseta (SAP)                                                 |                 |                   |                                       |
| 433.         |         | Macrothrix sp.                                                                 |                 |                   |                                       |
| 434.         |         | Macrotrachela sp. a (SAP)                                                      |                 |                   | Υ                                     |
| 435.         |         | Makaira sp.                                                                    |                 |                   | Υ                                     |
| 436.         |         | Malacorhynchus membranaceus (Pink-eared Duck)                                  |                 |                   |                                       |
| 437.         | 25654   | Malurus splendens (Splendid Fairy-wren)                                        |                 |                   |                                       |
| 438.         | 0.4500  | Manayunkia n. sp.                                                              |                 |                   |                                       |
| 439.<br>440. | 24583   | Manorina flavigula (Yellow-throated Miner)  Maratus chrysomelas                |                 |                   |                                       |
| 441.         | 25758   | Megalurus gramineus (Little Grassbird)                                         |                 |                   |                                       |
| 442.         | 20100   | Megaporus howittii                                                             |                 |                   |                                       |
| 443.         |         | Megaporus solidus                                                              |                 |                   |                                       |
| 444.         |         | Megaporus sp.                                                                  |                 |                   |                                       |
| 445.         |         | Melita kauerti                                                                 |                 |                   |                                       |
| 446.         | 24736   | Melopsittacus undulatus (Budgerigar)                                           |                 |                   |                                       |
| 447.         | 25184   | Menetia greyii                                                                 |                 |                   |                                       |
| 448.         |         | Meridiecyclops baylyi                                                          |                 |                   |                                       |
| 449.         | 24598   | Merops ornatus (Rainbow Bee-eater)                                             |                 |                   |                                       |
| 450.         |         | Mesochra baylyi                                                                |                 |                   |                                       |
| 451.         |         | Mesochra nr flava                                                              |                 |                   |                                       |
| 452.         |         | Mesocyclops brooksi                                                            |                 |                   |                                       |
| 453.         |         | Mesostigmata sp.                                                               |                 |                   |                                       |
| 454.         |         | Meuschenia hippocrepis                                                         |                 |                   |                                       |
| 455.         |         | Microcarbo melanoleucos                                                        |                 |                   |                                       |
| 456.<br>457. |         | Micronecta robusta Micronecta sp.                                              |                 |                   |                                       |
| 457.<br>458. | 24212   | Mirounga leonina (Southern Elephant Seal)                                      |                 |                   |                                       |
| 458.<br>459. | 27213   | Missulena granulosa                                                            |                 |                   |                                       |
| 460.         |         | Missulena hoggi                                                                |                 |                   |                                       |
| 461.         |         | Molycria quadricauda                                                           |                 |                   |                                       |
|              |         |                                                                                | Department of I | Biodiversity,     | WESTERN                               |







|              | Name ID | Species Name                                                                          | Naturalised | Conservation Code | <sup>1</sup> Endemic To Qu<br>Area |
|--------------|---------|---------------------------------------------------------------------------------------|-------------|-------------------|------------------------------------|
| 462.         |         | Monohelea sp. 3 (SAP)                                                                 |             |                   |                                    |
| 463.         |         | Morethia obscura                                                                      |             |                   |                                    |
| 464.         | 48008   | Morus serrator (Australasian Gannet)                                                  |             |                   |                                    |
| 465.<br>466. | 2/1223  | Muraenichthys breviceps Mus musculus (House Mouse)                                    | Υ           |                   |                                    |
| 467.         | 24223   | Muscidae sp.                                                                          | r           |                   |                                    |
| 468.         |         | Muscidae sp. A (SAP)                                                                  |             |                   |                                    |
| 469.         |         | Muscidae sp. D (SAP)                                                                  |             |                   |                                    |
| 470.         |         | Myandra bicincta                                                                      |             |                   |                                    |
| 471.         | 25610   | Myiagra inquieta (Restless Flycatcher)                                                |             |                   |                                    |
| 472.         |         | Mytilocypris ambiguosa                                                                |             |                   |                                    |
| 473.         |         | Mytilocypris mytiloides                                                               |             |                   |                                    |
| 474.         |         | Mytilocypris sp.                                                                      |             |                   |                                    |
| 475.         |         | Naididae (ex Tubificidae)                                                             |             |                   |                                    |
| 476.         |         | Necterosoma penicillatus                                                              |             |                   |                                    |
| 477.         |         | Necterosoma sp.                                                                       |             |                   |                                    |
| 478.         |         | Nematoda sp.                                                                          |             |                   |                                    |
| 479.         |         | Neobatrachus albipes (White-footed Trilling Frog)                                     |             |                   |                                    |
| 480.         |         | Neobatrachus kunapalari (Kunapalari Frog)                                             |             |                   |                                    |
| 481.         |         | Neobatrachus pelobatoides (Humming Frog)                                              |             |                   |                                    |
| 482.         |         | Neophema elegans (Elegant Parrot)                                                     |             |                   |                                    |
| 483.         |         | Neophera cinorea (Australian Soa lian)                                                |             | <b>-</b>          |                                    |
| 484.<br>485. | 24210   | Neophoca cinerea (Australian Sea-lion)                                                |             | Т                 |                                    |
| 485.<br>486. |         | Nephila edulis Newnhamia fenestrata                                                   |             |                   |                                    |
| 487.         |         | Nicodamus mainae                                                                      |             |                   |                                    |
| 488.         |         | Nilobezzia sp.                                                                        |             |                   |                                    |
| 489.         |         | Nitocra near sp. 4 (SAP)                                                              |             |                   |                                    |
| 490.         |         | Nitocra reducta                                                                       |             |                   |                                    |
| 491.         |         | Nitocra sp. 4 (SAP)                                                                   |             |                   |                                    |
| 492.         |         | Nitocra sp. 5 (nr reducta) (SAP)                                                      |             |                   |                                    |
| 493.         |         | No invertebrates                                                                      |             |                   |                                    |
| 494.         |         | Norfolkia incisa                                                                      |             |                   | Υ                                  |
| 495.         |         | Norfolkia sp.                                                                         |             |                   |                                    |
| 496.         |         | Notalina spira                                                                        |             |                   |                                    |
| 497.         | 48022   | Notamacropus irma (Western Brush Wallaby)                                             |             | P4                |                                    |
| 498.         | 25252   | Notechis scutatus (Tiger Snake)                                                       |             |                   |                                    |
| 499.         |         | Notholca salina                                                                       |             |                   |                                    |
| 500.         | 24229   | Notomys mitchellii (Mitchell's Hopping-mouse)                                         |             |                   |                                    |
| 501.         |         | Notonectidae sp.                                                                      |             |                   |                                    |
| 502.         |         | Novakiella trituberculosa                                                             |             |                   |                                    |
| 503.         |         | Nycticorax caledonicus (Rufous Night Heron)                                           |             |                   |                                    |
| 504.         | 24194   | Nyctophilus geoffroyi (Lesser Long-eared Bat)                                         |             |                   |                                    |
| 505.         |         | Ochthebius sp.                                                                        |             |                   |                                    |
| 506.         |         | Ochthebius sp. 4                                                                      |             |                   | Y                                  |
| 507.         | 24407   | Ocyphaps lophotes (Crested Pigeon)                                                    |             |                   |                                    |
| 508.         |         | Oecetis sp.                                                                           |             |                   |                                    |
| 509.         |         | Oecobius navus                                                                        |             |                   |                                    |
| 510.         |         | Oligochaeta sp.                                                                       |             |                   |                                    |
| 511.         |         | Omegophora cyanopunctata                                                              |             |                   |                                    |
| 512.         |         | Oniscidae sp.                                                                         |             |                   |                                    |
| 513.<br>514. |         | Onychocamptus bengalensis Ophiclinus gracilis                                         |             |                   |                                    |
| 514.         |         | Ophiclinus pectoralis                                                                 |             |                   |                                    |
| 516.         |         | Ophthalmolepis lineolatus                                                             |             |                   |                                    |
| 517.         |         | Opisthopora sp.                                                                       |             |                   |                                    |
| 518.         |         | Oribatida sp.                                                                         |             |                   |                                    |
| 519.         |         | Oribatida sp. 1 (PLP)                                                                 |             |                   | Υ                                  |
| 520.         |         | Oribatida sp. 2(PLP)                                                                  |             |                   | Y                                  |
| 521.         |         | Orthetrum caledonicum                                                                 |             |                   |                                    |
| 522.         |         | Orthocladiinae sp.                                                                    |             |                   |                                    |
| 523.         |         | Orthocladiinae sp. G (SAP)                                                            |             |                   |                                    |
| 524.         |         | Orthocladiinae sp. I (SAP)                                                            |             |                   |                                    |
| 525.         |         | Orthocladiinae sp. J (SAP)                                                            |             |                   |                                    |
| 526.         |         | Orthocladiinae sp. P (SAP)                                                            |             |                   |                                    |
| 527.         | 24085   | Oryctolagus cuniculus (Rabbit)                                                        | Υ           |                   |                                    |
|              | 34016   | Ovis aries (Sheep)                                                                    |             |                   |                                    |
| 528.         |         | Oxyura australis (Blue-billed Duck)                                                   |             | P4                |                                    |
| 528.<br>529. | 24328   | Oxyura australis (Blue-bliled Duck)                                                   |             |                   |                                    |
|              | 24619   | Pachycephala inornata (Gilbert's Whistler) Pachycephala rufiventris (Rufous Whistler) |             |                   |                                    |







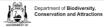
| 1922                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | Name ID | Species Name                                        | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
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| 1944                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 532. |         | Palaemonetes australis                              |             |                   |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 533. | 48591   | Pandion cristatus (Osprey, Eastern Osprey)          |             | IA                |                                       |
| 558.   Personal Activation   V   State   Sta | 534. |         | Paracyclops ?chiltoni (SAP)                         |             |                   |                                       |
| 1937.   Personation incommon   Personation   Personation | 535. |         | Paralimnophyes pullulus (V42)                       |             |                   |                                       |
| 3-38.   April Parameterismus appeals (Dobber)   T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 536. |         | Paramatachia tubicola                               |             |                   | Υ                                     |
| SSID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                     |             |                   |                                       |
| 541.   Paraphitors indicated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |                                                     |             |                   |                                       |
| 541.   Paraghesings meleagys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | 24097   |                                                     |             | T                 |                                       |
| 542                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         |                                                     |             |                   |                                       |
| 5-51.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |         |                                                     |             |                   |                                       |
| 14-4.   Persistricities gr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         | -                                                   |             |                   |                                       |
| 5-56.   5255   Parkshote spiceage   Parkshote spiceage   Parkshote   Parksho |      |         |                                                     |             |                   |                                       |
| 546.   2888   Paralleleus purceturas (Sorteet Provisiones)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 25255   |                                                     |             |                   |                                       |
| 54.7.   25802 Paralestons acrossus (Sinstead Paralestons)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |                                                     |             |                   |                                       |
| 548.   Parame moculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         |                                                     |             |                   |                                       |
| 549.   Farnation ringer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | 23002   |                                                     |             |                   |                                       |
| 59.0.   24442   Paisser montanus (Eurasian Tree Sparrows)   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |         |                                                     |             |                   |                                       |
| 551.   24648 Policarius conspicitions (Australian Polican)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 2/6/2   | C                                                   | ~           |                   |                                       |
| 59.2.   Pelataria humanalia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                     | '           |                   |                                       |
| 553.   Pempheris Municiparis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | 2.0.0   |                                                     |             |                   |                                       |
| 554.   Penniphoris multinoidata   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |         |                                                     |             |                   |                                       |
| 555.   Penicipetre witiger   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |                                                     |             |                   |                                       |
| Pescecyclops sp. 444 (Stuart's original amount sonsu Sara)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |         | ·                                                   |             |                   | Υ                                     |
| SST.   Peace-prices sp. Ad-2462-4652-628 (asin-arum in Morton)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |                                                     |             |                   | •                                     |
| 558.   4800   Petrocheldon and (Falry Martin)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |         |                                                     |             |                   |                                       |
| 560.   4806   Petroia booding (Scarlet Robin)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | 48060   | Petrochelidon ariel (Fairy Martin)                  |             |                   |                                       |
| Sel.   Pezidae sp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 559. | 48061   | Petrochelidon nigricans (Tree Martin)               |             |                   |                                       |
| 562,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 560. |         |                                                     |             |                   |                                       |
| 563.   25697   Phalecrocorax carbo (Great Commornt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 561. |         |                                                     |             |                   |                                       |
| 564.         2466.         Phalacrocorax knosescens (Black-laced Cormorant)           566.         2568.         Phalacrocorax suriosis (Little Black Cormorant)           567.         2569.         Phalacrocorax suriosis (Pied Cormorant)           568.         2440.         Phagos chalocyters (Cormon Bronzewing)           569.         2587.         Philodiniciae sp.         Y           570.         Philodiniciae sp.         Y           571.         Phylodiny seques subsp. gleueri         Y           572.         48071.         Phylodiny sin picer (White-cheaked Honeyeater)         Y           573.         24596.         Phyliphynyre scortea         Y           574.         Phyliphynyre scortea         Y           575.         Phyliphynyre scortea         Y           576.         Phyliphynyre scortea         Y           577.         Pictilabrus geticlerius         Y           578.         Phyliphynyre scortea         Y           577.         Pictilabrus jeticlerius         Y           578.         Pictilabrus jeticlerius         Y           580.         24814.         Platalea flaige regie (Royal Sponnbill)           581.         2482.         Platycephalus speculator           583. <td>562.</td> <td>41348</td> <td>Pezoporus flaviventris (Western Ground Parrot)</td> <td></td> <td>Т</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 562. | 41348   | Pezoporus flaviventris (Western Ground Parrot)      |             | Т                 |                                       |
| 565.         2568         Phalacrocorax melanoleucos (Little Pled Cormorant)           566.         24687         Phalacrocorax sulcirostris (Little Black Cormorant)           567.         25698         Phage schalocytera (Common Brozzewing)           589.         2587         Phage schalocytera (Common Brozzewing)           570.         Philodinichae sp.         Y           571.         Phycodurus eques subsp. gleuerti         Y           572.         48071         Phylidonyris ingor White-cheeked Honeyeater)           573.         24580         Phylidonyris novaehollandiae (New Holland Honeyeater)           574.         Phyligohyry sacuria         Y           575.         Phyligohyry sacuria         Y           576.         Physe acuta         Y           577.         Pictilabrus sp.         Y           580.         24911         Platiclea Ravipes (Vellow-billed Spoonbill)           581.         24942         Platiclea Ravipes (Vellow-billed Spoonbill)           582.         Platycephalus speculator           583.         25720         Platycerus sicretics (Velsetim Roseila)           584.         22471         Platycephalus speculator           586.         24812         Platycephalus (Glossy Ibis)         IA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 563. | 25697   | Phalacrocorax carbo (Great Cormorant)               |             |                   |                                       |
| 566.         24667 Phalacrocorax varius (Pied Commont)           567.         25699 Phalacrocorax varius (Pied Commont)           568.         24409 Phalacrocorax varius (Pied Common Bronzewing)           570.         Philodinidae sp.           571.         Phylodrius eques subsp. glauerti         Y           572.         48071 Phylidonyris novaehollandiae (New Holland Honeyeater)         Y           573.         24596 Phylidophyra sorotea         Y           574.         Phyliophyrus sorotea         Y           575.         Phyliophyrus sorotea         Y           576.         Phyliophyrus sorotea         Y           577.         Pictilabrus laticlavius         Y           578.         Pictilabrus sp.         Pictilabrus sp.           580.         24841 Platalea flavipes (Yellow-billed Spoonbill)         Y           581.         24842 Platalea regia (Royal Spoonbill)         Y           582.         Platycercus interoits (Wastern Rosella)         Y           584.         24747 Platycercus spurius (Red-capped Parrol)         Y           585.         24843 Plegadis falcinellus (Glossy Ibis)         IA           587.         Pleuroxus inposus         Y           588.         Pleuroxus spurius (Fed.         Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 564. | 24665   | Phalacrocorax fuscescens (Black-faced Cormorant)    |             |                   |                                       |
| 567.         25699         Phalacrocorax varius (Pied Cormorant)           568.         24409         Phapas chalcoptera (Cormon Bronzewing)           570.         Philodniclae sp.         Y           571.         Phylodonus eques subsp. glauerii         Y           572.         48071         Phylidonyris niger (White-cheeked Honeyeater)         Y           573.         24596         Phylidonyris niger (White-cheeked Honeyeater)         Y           574.         Phylidophyra soortea         Y           575.         Phylidophyra soortea         Y           576.         Physa acuta         Y           577.         Picilabrus faiclevius         Y           578.         Picilabrus sp.         Y           580.         24814         Platalea faiclevius Sp.         Y           581.         2482.         Platalea regie (Royal Spoonbill)         Y           582.         Platycercus ickeroties (Western Rosella)         Y           584.         24747         Platycercus ickeroties (Western Rosella)         Y           585.         Platycercus spurius (Red-capped Parrot)         Platycercus spurius (Red-capped Parrot)           586.         24843         Plegurexus inermis         Y           587.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 565. | 25698   | Phalacrocorax melanoleucos (Little Pied Cormorant)  |             |                   |                                       |
| 568.         24409         Phaps chalcoptera (Common Bronzewing)           569.         25587         Phaps clegans (Brush Bronzewing)           571.         Phycodurus eques subsp. glauerti         Y           572.         48071         Phylidorytis niger (White-cheeked Honeyeater)         Y           573.         24596         Phylidorytis rosenballoaldiae (New Holland Honeyeater)         Y           574.         Phylidorytis rosenballoadiae         Y           575.         Phylidorytis rosenballoadiae         Y           576.         Physa acuta         Y           577.         Pictilabrus laticlavius         Y           579.         Picacobdelloides sp.         Y           580.         24811         Platalea laviyes (Yellow-billed Spoonbill)         Y           581.         2482.         Platalea regia (Royal Spoonbill)         Y           582.         Platycephalus speculator         Y           583.         25720         Playcercus sperulator         Y           584.         24747         Platycercus spurius (Red-capped Parrot)         Y           585.         Platycypris baueri         IA           586.         24843         Plegadis faicinellus (Glossy Ibis)         IA           587. </td <td>566.</td> <td>24667</td> <td>Phalacrocorax sulcirostris (Little Black Cormorant)</td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 566. | 24667   | Phalacrocorax sulcirostris (Little Black Cormorant) |             |                   |                                       |
| 569.         25587         Phaps elegans (Brush Bronzewing)           570.         Philodinidae sp.         Y           571.         Phyrodurus eques subsp. glauerti         Y           572.         48071         Phyridonyris niger (White-cheeked Honeyeater)           573.         24596         Phyridonyris novaehollandiae (New Holland Honeyeater)           574.         Phylipothyris scorena         ************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 567. | 25699   | Phalacrocorax varius (Pied Cormorant)               |             |                   |                                       |
| 570.         Philodinidae sp.         Y           571.         Phycodrus eques subsp. glauerti         Y           572.         4801** Phyliclonyris rovaehollandiae (New Holland Honeyeater)         ************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 568. | 24409   | Phaps chalcoptera (Common Bronzewing)               |             |                   |                                       |
| 571.         Phycodurus eques subsp. glauerti         Y           572.         4807         Phylicloryris niger (White-cheeked Honeyeater)         ************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 569. | 25587   | Phaps elegans (Brush Bronzewing)                    |             |                   |                                       |
| 572.       48071       Phylidonyris niger (White-cheeked Honeyeater)         573.       24596       Phylidonyris novaehollandiae (New Holland Honeyeater)         574.       Phyliophryn scortea         575.       Phyliophryn seariolatus         576.       Physa acuta         577.       Pictilabrus laticlavius         578.       Pictilabrus laticlavius         579.       Placobdelloides sp.         580.       24841       Platalea lavipes (Yellow-billed Spoonbill)         581.       24842       Platalea regia (Royal Spoonbill)         582.       Platyceprolus Speculator         583.       25720       Platyceprous Seprulus (Red-capped Parrot)         584.       24747       Platyceprous spurius (Red-capped Parrot)         585.       Platycypris baueri       IA         586.       24843       Pleuroxus inermis       IA         588.       Pleuroxus inermis       IA         589.       Plumatella sp. <td>570.</td> <td></td> <td>Philodinidae sp.</td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 570. |         | Philodinidae sp.                                    |             |                   |                                       |
| 573.       24596       Phylidonyris novaehollandiae (New Holland Honeyeater)         574.       Phyliophryne scortea         575.       Phyliopteryx teeniolatus         576.       Physa acuta         577.       Pictilabrus laticlavius         578.       Pictilabrus sp.         580.       24841       Piatalea flavipes (Yellow-billed Spoonbill)         581.       24822       Platalea regia (Royal Spoonbill)         582.       Platycepriaus speculator         583.       25720       Platycepriaus speculator         584.       24747       Platycercus spurius (Red-capped Parrot)         585.       Platycypris baueri       IA         586.       24843       Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis       IA         588.       Pleuroxus jugosus       IA         589.       Pluriagin achalitodis       IA         589.       Pluriagin achalitodis       <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 571. |         |                                                     |             |                   | Υ                                     |
| 574.         Phyllophryne scortea           575.         Phyllopteryx teaniolatus           576.         Physa acuta           577.         Pictilabrus laticlavius           578.         Pictilabrus sp.           579.         Placobelloides sp.           580.         24841.           Platalea Raiyes (Yellow-billed Spoonbill)           581.         24842.           Platuelae regia (Royal Spoonbill)           582.         Platyceptalus speculator           583.         25720.         Platycerous icterotis (Western Rosella)           584.         24747.         Platycerous icterotis (Western Rosella)           585.         Platycrypris baueri         IA           586.         24843.         Plequirous inemia         IA           587.         Pleuroxus inemia         IA           588.         Pleuroxus inemia         IA           589.         Pleuroxus inemia         III           590.         Pulmatella sp.         III           591.         Plurispina chauliodis         III           592.         24381.         Pluvialis dominica (American Golden Plover)         IA           594.         24382.         Pluvialis squatarola (Grey Plover)         IA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |         |                                                     |             |                   |                                       |
| 575.         Phyllopteryx taeniolatus           576.         Physa acuta           577.         Pictilabrus laticlavius           578.         Pictilabrus sp.           579.         Placobdelloides sp.           580.         24841         Platalea flavipes (Yellow-billed Spoonbill)           581.         24842         Platalea regia (Royal Spoonbill)           582.         Palaycephalus speculator           583.         25720         Platycephalus speculator           584.         24747         Platycercus spurius (Red-capped Parrot)           585.         Platycypris baueri         IA           586.         24843         Plegadis facillus (Glossy Ibis)         IA           587.         Pleuroxus inermis         IA           588.         Pleuroxus jugosus         IA           589.         Pluratella sp.         III           589.         Pluratella sp.         III           599.         24381         Pluvialis dominica (American Golden Plover)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | 24596   |                                                     |             |                   |                                       |
| 576. Physa acuta 577. Pictilabrus laticlavius 578. Pictilabrus sp. 579. Placobdelloides sp. 580. 24841 Platalea flavipes (Yellow-billed Spoonbill) 581. 24842 Platalea regia (Royal Spoonbill) 582. Platycerous icterotis (Western Rosella) 583. 25720 Platycerous icterotis (Western Rosella) 584. 24747 Platycerous spurius (Red-capped Parrot) 585. Platycypris baueri 586. 24843 Plegadis falcinellus (Glossy Ibis) 587. Pleuroxus inermis 588. Pleuroxus inermis 589. Pleuroxus sp. 590. Plumatella sp. 591. Plurispina chauliodis 592. 24381 Pluvialis dominica (American Golden Plover) 593. 24382 Pluvialis fulva (Pacific Golden Plover) 594. 24383 Pluvialis squatarola (Grey Plover) 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Poglopan minor subsp. minor (Dwarf Bearded Dragon) 598. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |         |                                                     |             |                   |                                       |
| 577.         Pictilabrus laticlavius           578.         Pictilabrus sp.           579.         Placobdelloides sp.           580.         24841         Platalea flavipes (Yellow-billed Spoonbill)           581.         24842         Platalea regia (Royal Spoonbill)           582.         Platycephalus speculator           583.         25720         Platycercus citerotis (Western Rosella)           584.         24747         Platycepris baueri           586.         24843         Plegadis falcinellus (Glossy Ibis)         IA           587.         Pleuroxus inermis         IA           588.         Pleuroxus inermis         IA           589.         Plurialia doninica (American Golden Plover)         IA           591.         Pluria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |                                                     |             |                   |                                       |
| 578.         Pictilabrus sp.           579.         Placobdelloides sp.           580.         24841         Platalea flavipes (Yellow-billed Spoonbill)           581.         24842         Platalea regia (Royal Spoonbill)           582.         Platycephalus speculator           583.         25720         Platycercus icterotis (Western Rosella)           584.         24747         Platycercus spurius (Red-capped Parrot)           585.         Platycypris baueri         IA           586.         24843         Plegaris falcinellus (Glossy Ibis)         IA           587.         Pleuroxus inermis         IA           588.         Pleuroxus jugosus         IA           589.         Pleuroxus yp.         IP           590.         Plumatella sp.         IP           591.         Plurispina chauliodis         IA           592.         24381         Plurivalis dominica (American Golden Plover)         IA           593.         24382         Plurivalis fulva (Pacific Golden Plover)         IA           594.         24383         Pluvialis squatarola (Grey Plover)         IA           595.         25703         Podiceps cristatus (Great Crested Grebe)           597.         24907         Pogona                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                     |             |                   |                                       |
| 579.       Placobdelloides sp.         580.       24841       Platalea flavipes (Yellow-billed Spoonbill)         581.       24842       Platalea regia (Royal Spoonbill)         582.       Platycephalus speculator         583.       25720       Platycercus icterotis (Western Rosella)         584.       24747       Platycypris baueri         585.       Platycypris baueri       IA         587.       Pleuroxus inclusi (Glossy Ibis)       IA         587.       Pleuroxus jugosus         589.       Pleuroxus jugosus         589.       Pleuroxus sp.         590.       Plumatella sp.         591.       Plurispina chauliodis         592.       24381       Pluvialis dominica (American Golden Plover)         593.       24382       Pluvialis dulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Polipoephalus poliocephalus (Hoary-headed Grebe)         599.       <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |         |                                                     |             |                   |                                       |
| 580.       24841       Platalea flavipes (Yellow-billed Spoonbill)         581.       24842       Platalea regia (Royal Spoonbill)         582.       25720       Platycephalus speculator         583.       25720       Platycercus icterotis (Western Rosella)         584.       24747       Platycycrus (Red-capped Parrot)         585.       Platycypris baueri         586.       24843       Plegalis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis       IA         588.       Pleuroxus jugosus       IA         589.       Pleuroxus yp.       IP         591.       Plurispina chauliodis       IP         592.       24381       Pluvialis dominica (American Golden Plover)       IA         593.       24382       Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tamry Frogmouth)         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Poliopedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                     |             |                   |                                       |
| 581.       24842       Platycephalus speculator         582.       25720       Platycercus icterotis (Western Rosella)         583.       24747       Platycercus spurius (Red-capped Parrot)         585.       24747       Platycypris baueri         586.       24843       Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis       IA         588.       Pleuroxus jugosus       Incompany of the pleuroxus sp.         590.       Plumatella sp.       Pleuroxus sp.         591.       Plurispina chauliodis         592.       24381       Pluvialis dominica (American Golden Plover)         593.       24382       Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)       IA         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24881       Polippedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 04044   |                                                     |             |                   |                                       |
| 582.       Platycephalus speculator         583.       25720       Platycercus icterotis (Western Rosella)         584.       24747       Platycepris baueri         585.       Platycypris baueri         586.       24843       Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis       Pleuroxus jugosus         588.       Pleuroxus sp.       Ferrow Plumatella sp.         590.       Plumatella sp.       Plurispina chauliodis         591.       Plurispina chauliodis       Ferrow Plover)         593.       24381       Pluvialis dominica (American Golden Plover)       IA         594.       24381       Pluvialis quaterola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |         |                                                     |             |                   |                                       |
| 583.       25720 Platycercus icterotis (Western Rosella)         584.       24747 Platycercus spurius (Red-capped Parrot)         585.       Platycypris baueri         586.       24843 Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis         588.       Pleuroxus jugosus         589.       Pleuroxus sp.         590.       Plumatella sp.         591.       Plurispina chauliodis         592.       24381 Pluvialis dominica (American Golden Plover)         593.       24382 Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383 Pluvialis squatarola (Grey Plover)       IA         595.       25703 Podargus strigoides (Tawny Frogmouth)         596.       25704 Podiceps cristatus (Great Crested Grebe)         597.       24907 Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681 Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 24842   |                                                     |             |                   |                                       |
| 584.       24747       Platycercus spurius (Red-capped Parrot)         585.       Platycypris baueri         586.       24843       Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis         588.       Pleuroxus jugosus         589.       Pleuroxus sp.         590.       Pluratella sp.         591.       Pluriatila dominica (American Golden Plover)         593.       24381       Pluvialis dominica (American Golden Plover)         594.       24383       Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)       IA         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 25720   |                                                     |             |                   |                                       |
| 585.Platycypris baueri586.24843Plegadis falcinellus (Glossy Ibis)IA587.Pleuroxus inermis588.Pleuroxus jugosus589.Pleuroxus sp.590.Plumatella sp.591.Plurispina chauliodis592.24381Pluvialis dominica (American Golden Plover)593.24382Pluvialis fulva (Pacific Golden Plover)IA594.24383Pluvialis squatarola (Grey Plover)IA595.25703Podargus strigoides (Tawny Frogmouth)596.25704Podiceps cristatus (Great Crested Grebe)597.24907Pogona minor subsp. minor (Dwarf Bearded Dragon)598.24681Poliocephalus poliocephalus (Hoary-headed Grebe)599.Polypedilum nr vespertinus (M2) (SAP)600.Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |         | . , , , , , , , , , , , , , , , , , , ,             |             |                   |                                       |
| 586.       24843 Plegadis falcinellus (Glossy Ibis)       IA         587.       Pleuroxus inermis         588.       Pleuroxus jugosus         589.       Pleuroxus sp.         590.       Plumatella sp.         591.       Plurispina chauliodis         592.       24381 Pluvialis dominica (American Golden Plover)         593.       24382 Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383 Pluvialis squatarola (Grey Plover)       IA         595.       25703 Podargus strigoides (Tawny Frogmouth)       IA         596.       25704 Podiceps cristatus (Great Crested Grebe)       IA         597.       24907 Pogona minor subsp. minor (Dwarf Bearded Dragon)       IA         598.       24681 Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | 47141   |                                                     |             |                   |                                       |
| 587. Pleuroxus inermis 588. Pleuroxus jugosus 589. Pleuroxus sp. 590. Plumatella sp. 591. Plurispina chauliodis 592. 24381 Pluvialis dominica (American Golden Plover) 593. 24382 Pluvialis fulva (Pacific Golden Plover) 594. 24383 Pluvialis squatarola (Grey Plover) 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon) 598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe) 599. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      | 24843   |                                                     |             | IΔ                |                                       |
| 588.       Pleuroxus jugosus         589.       Pleuroxus sp.         590.       Plumatella sp.         591.       Plurispina chauliodis         592.       24381       Pluvialis dominica (American Golden Plover)         593.       24382       Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | 27043   |                                                     |             | IA .              |                                       |
| 589. Pleuroxus sp. 590. Plumatella sp. 591. Plurispina chauliodis 592. 24381 Pluvialis dominica (American Golden Plover) 593. 24382 Pluvialis fulva (Pacific Golden Plover) 1A 594. 24383 Pluvialis squatarola (Grey Plover) 1A 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon) 598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe) 599. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |         |                                                     |             |                   |                                       |
| 590. Plurispina chauliodis 592. 24381 Pluvialis dominica (American Golden Plover) 593. 24382 Pluvialis fulva (Pacific Golden Plover) 594. 24383 Pluvialis squatarola (Grey Plover) 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon) 598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe) 599. Polypedilum nr vespertinus (M2) (SAP) 600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |                                                     |             |                   |                                       |
| 591. Plurispina chauliodis 592. 24381 Pluvialis dominica (American Golden Plover) 593. 24382 Pluvialis fulva (Pacific Golden Plover) 1A 594. 24383 Pluvialis squatarola (Grey Plover) 1A 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon) 598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe) 599. Polypedilum nr vespertinus (M2) (SAP) 600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |         |                                                     |             |                   |                                       |
| 592.       24381       Pluvialis dominica (American Golden Plover)       IA         593.       24382       Pluvialis fulva (Pacific Golden Plover)       IA         594.       24383       Pluvialis squatarola (Grey Plover)       IA         595.       25703       Podargus strigoides (Tawny Frogmouth)         596.       25704       Podiceps cristatus (Great Crested Grebe)         597.       24907       Pogona minor subsp. minor (Dwarf Bearded Dragon)         598.       24681       Poliocephalus poliocephalus (Hoary-headed Grebe)         599.       Polypedilum nr vespertinus (M2) (SAP)         600.       Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |         |                                                     |             |                   |                                       |
| 593. 24382 Pluvialis fulva (Pacific Golden Plover) IA 594. 24383 Pluvialis squatarola (Grey Plover) IA 595. 25703 Podargus strigoides (Tawny Frogmouth) 596. 25704 Podiceps cristatus (Great Crested Grebe) 597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon) 598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe) 599. Polypedilum nr vespertinus (M2) (SAP) 600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | 24381   |                                                     |             |                   |                                       |
| 594. 24383 Pluvialis squatarola (Grey Plover)  595. 25703 Podargus strigoides (Tawny Frogmouth)  596. 25704 Podiceps cristatus (Great Crested Grebe)  597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon)  598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe)  599. Polypedilum nr vespertinus (M2) (SAP)  600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 593. |         |                                                     |             | IA                |                                       |
| <ul> <li>595. 25703 Podargus strigoides (Tawny Frogmouth)</li> <li>596. 25704 Podiceps cristatus (Great Crested Grebe)</li> <li>597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon)</li> <li>598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe)</li> <li>599. Polypedilum nr vespertinus (M2) (SAP)</li> <li>600. Polypedilum nr. convexum (SAP)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |                                                     |             |                   |                                       |
| <ul> <li>596. 25704 Podiceps cristatus (Great Crested Grebe)</li> <li>597. 24907 Pogona minor subsp. minor (Dwarf Bearded Dragon)</li> <li>598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe)</li> <li>599. Polypedilum nr vespertinus (M2) (SAP)</li> <li>600. Polypedilum nr. convexum (SAP)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |         |                                                     |             |                   |                                       |
| <ul> <li>598. 24681 Poliocephalus poliocephalus (Hoary-headed Grebe)</li> <li>599. Polypedilum nr vespertinus (M2) (SAP)</li> <li>600. Polypedilum nr. convexum (SAP)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 596. | 25704   | Podiceps cristatus (Great Crested Grebe)            |             |                   |                                       |
| 599. Polypedilum nr vespertinus (M2) (SAP) 600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 597. | 24907   | Pogona minor subsp. minor (Dwarf Bearded Dragon)    |             |                   |                                       |
| 600. Polypedilum nr. convexum (SAP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 598. | 24681   | Poliocephalus poliocephalus (Hoary-headed Grebe)    |             |                   |                                       |
| "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 599. |         | Polypedilum nr vespertinus (M2) (SAP)               |             |                   |                                       |
| 601. Polypedilum nubifer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 600. |         | Polypedilum nr. convexum (SAP)                      |             |                   |                                       |
| Department of Biodiversity, Conservation and Attractions  WES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 601. |         | Polypedilum nubifer                                 | 4.5         |                   |                                       |







|              | Name ID | Species Name                                                                                               | Naturalised  | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------|---------|------------------------------------------------------------------------------------------------------------|--------------|-------------------|---------------------------------------|
| 602.         |         | Pomatiopsidae sp.                                                                                          |              |                   |                                       |
| 603.         | 24683   | Pomatostomus superciliosus (White-browed Babbler)                                                          |              |                   |                                       |
| 604.         | 25731   | Porphyrio porphyrio (Purple Swamphen)                                                                      |              |                   |                                       |
| 605.         | 24767   | Porphyrio porphyrio subsp. bellus (Purple Swamphen)                                                        |              |                   |                                       |
| 606.         | 24769   | Porzana fluminea (Australian Spotted Crake)                                                                |              |                   |                                       |
| 607.         | 24771   | Porzana tabuensis (Spotless Crake)                                                                         |              |                   |                                       |
| 608.         |         | Posidonichthys hutchinsi                                                                                   |              |                   |                                       |
| 609.         |         | Pristina jenkinae                                                                                          |              |                   |                                       |
| 610.         |         | Pristina longiseta                                                                                         |              |                   |                                       |
| 611.         |         | Procladius paludicola                                                                                      |              |                   |                                       |
| 612.         |         | Procladius villosimanus                                                                                    |              |                   |                                       |
| 613.         |         | Protogarypinus giganteus                                                                                   |              |                   |                                       |
| 614.         |         | Protozoan sp                                                                                               |              |                   |                                       |
| 615.         |         | Pseudocaranx dentex                                                                                        |              |                   |                                       |
| 616.         | 44005   | Pseudogobius olorum  Pseudogobius olorum                                                                   |              | Do.               |                                       |
| 617.         | 44625   | Pseudohydryphantes doegi (Doeg's Watermite)                                                                |              | P2                |                                       |
| 618.         |         | Pseudolabrus biserialis                                                                                    |              |                   | V                                     |
| 619.         |         | Pseudolabrus parilus                                                                                       |              |                   | Υ                                     |
| 620.<br>621. | 24220   | Pseudolabrus sp. Pseudomys albocinereus (Ash-grey Mouse)                                                   |              |                   |                                       |
| 622.         |         |                                                                                                            |              |                   |                                       |
| 623.         |         | Pseudonaja affinis subsp. affinis (Dugite)                                                                 |              | P4                |                                       |
| 623.<br>624. |         | Pseudonaja affinis subsp. tanneri (Pygmy Dugite, Recherche Dugite) Pseudonaja modesta (Ringed Brown Snake) |              | P4                |                                       |
| 625.         |         | Pseudohryne guentheri (Crawling Toadlet)                                                                   |              |                   |                                       |
| 626.         | 20400   | Pseudophycis breviuscula                                                                                   |              |                   |                                       |
| 627.         |         | Pseudorhombus jenynsii                                                                                     |              |                   |                                       |
| 628.         |         | Psychodidae sp.                                                                                            |              |                   |                                       |
| 629.         | 2/1711  | Puffinus assimilis subsp. assimilis (Little Shearwater)                                                    |              |                   |                                       |
| 630.         |         | Purnella albifrons (White-fronted Honeyeater)                                                              |              |                   |                                       |
| 631.         | .20     | Purpureicephalus spurius                                                                                   |              |                   |                                       |
| 632.         | 25008   | Pygopus lepidopodus (Common Scaly Foot)                                                                    |              |                   |                                       |
| 633.         |         | Pyralidae sp.                                                                                              |              |                   |                                       |
| 634.         | 24243   | Rattus fuscipes (Western Bush Rat)                                                                         |              |                   |                                       |
| 635.         |         | Rattus rattus (Black Rat)                                                                                  | Υ            |                   |                                       |
| 636.         |         | Raveniella cirrata                                                                                         |              |                   |                                       |
| 637.         | 24776   | Recurvirostra novaehollandiae (Red-necked Avocet)                                                          |              |                   |                                       |
| 638.         |         | Reticypris ?pinguis (SAP)                                                                                  |              |                   |                                       |
| 639.         |         | Reticypris clava                                                                                           |              |                   |                                       |
| 640.         |         | Reticypris sp. 557 (n. sp.) (SAP)                                                                          |              |                   |                                       |
| 641.         |         | Reticypris walbu                                                                                           |              |                   |                                       |
| 642.         |         | Rhantus suturalis                                                                                          |              |                   |                                       |
| 643.         | 30818   | Rhinoplocephalus bicolor (Square-nosed Snake)                                                              |              |                   |                                       |
| 644.         | 48096   | Rhipidura albiscapa (Grey Fantail)                                                                         |              |                   |                                       |
| 645.         | 25614   | Rhipidura leucophrys (Willie Wagtail)                                                                      |              |                   |                                       |
| 646.         |         | Rhombognathus delicatulus                                                                                  |              |                   |                                       |
| 647.         |         | Rhombognathus tener                                                                                        |              |                   | Υ                                     |
| 648.         |         | Rhombognathus vulgaris                                                                                     |              |                   |                                       |
| 649.         |         | Saldula brevicornis                                                                                        |              |                   |                                       |
| 650.         |         | Salmo trutta                                                                                               |              |                   |                                       |
| 651.         |         | Sarscypridopsis aculeata                                                                                   |              |                   |                                       |
| 652.         |         | Scatopsidae sp.                                                                                            |              |                   |                                       |
| 653.         |         | Schizopera clandestina                                                                                     |              |                   |                                       |
| 654.         |         | Sciomyzidae sp.                                                                                            |              |                   |                                       |
| 655.         |         | Scirtidae sp.                                                                                              |              |                   |                                       |
| 656.<br>657. |         | Scobinichthys granulatus<br>Scomber australasicus                                                          |              |                   |                                       |
| 658.         |         | Scomber australasicus Scomberomorus semifasciatus                                                          |              |                   |                                       |
| 659.         | 25534   | Sericornis frontalis (White-browed Scrubwren)                                                              |              |                   |                                       |
| 660.         |         | Sericornis frontalis subsp. maculatus (White-browed Scrubwren)                                             |              |                   |                                       |
| 661.         | 27213   | Sigara sp.                                                                                                 |              |                   |                                       |
| 662.         |         | Sillago bassensis                                                                                          |              |                   |                                       |
| 663.         |         | Simocephalus elizabethae                                                                                   |              |                   |                                       |
| 664.         |         | Simuliidae sp.                                                                                             |              |                   |                                       |
| 665.         |         | Siphonognathus argyrophanes                                                                                |              |                   |                                       |
| 666.         |         | Siphonognathus radiatus                                                                                    |              |                   |                                       |
| 667.         | 30948   | Smicrornis brevirostris (Weebill)                                                                          |              |                   |                                       |
| 668.         |         | Sminthopsis crassicaudata (Fat-tailed Dunnart)                                                             |              |                   |                                       |
| 669.         |         | Sphaeriidae sp.                                                                                            |              |                   |                                       |
| 670.         |         | Sphaeromatidae sp.                                                                                         |              |                   |                                       |
| 671.         | 24645   | Stagonopleura oculata (Red-eared Firetail)                                                                 |              |                   |                                       |
|              |         |                                                                                                            | Department o | Biodiversity,     | MESTERN                               |







|                              | Name ID        | Species Name                                                           | Naturali | ised Conservation | on Code <sup>1</sup> Endemic To Que<br>Area |
|------------------------------|----------------|------------------------------------------------------------------------|----------|-------------------|---------------------------------------------|
| 672.                         |                | Staphylinidae sp.                                                      |          |                   |                                             |
| 673.                         |                | Steatoda grossa                                                        |          |                   |                                             |
| 674.                         | 48116          | Stercorarius antarcticus (Brown Skua)                                  |          | P4                |                                             |
| 675.                         | 25643          | Sterna hybrida (Whiskered Tern)                                        |          |                   |                                             |
| 676.                         |                | Sternopriscus multimaculatus                                           |          |                   |                                             |
| 677.                         |                | Sternopriscus sp.                                                      |          |                   |                                             |
| 678.                         | 48594          | Sternula nereis (Fairy Tern)                                           |          |                   |                                             |
| 679.                         | 24329          | Stictonetta naevosa (Freckled Duck)                                    |          |                   |                                             |
| 680.                         | 25655          | Stipiturus malachurus (Southern Emu-wren)                              |          |                   |                                             |
| 681.                         | 24554          | Stipiturus malachurus subsp. westernensis (Southern Emu-wren)          |          |                   |                                             |
| 682.                         |                | Storena fungina                                                        |          |                   |                                             |
| 683.                         |                | Stratiomyidae sp.                                                      |          |                   |                                             |
| 684.                         | 25597          | Strepera versicolor (Grey Currawong)                                   |          |                   |                                             |
| 685.                         | 25590          | Streptopelia senegalensis (Laughing Turtle-Dove)                       | Υ        |                   |                                             |
| 686.                         | 25518          | Strophurus spinigerus                                                  |          |                   |                                             |
| 687.                         | 24943          | Strophurus spinigerus subsp. inornatus                                 |          |                   |                                             |
| 688.                         | 24259          | Sus scrofa (Pig)                                                       | Υ        |                   |                                             |
| 689.                         |                | Symphitoneuria wheeleri                                                |          |                   |                                             |
| 690.                         |                | Synchiropus papilio                                                    |          |                   |                                             |
| 691.                         |                | Synsphyronus callus                                                    |          |                   |                                             |
| 692.                         |                | Synsphyronus leo                                                       |          |                   | Υ                                           |
| 693.                         |                | Synsphyronus mimulus                                                   |          |                   |                                             |
| 694.                         |                | Tabanidae sp.                                                          |          |                   |                                             |
| 695.                         | 25705          | Tachybaptus novaehollandiae (Australasian Grebe, Black-throated Grebe) |          |                   |                                             |
| 696.                         | 24331          | Tadorna tadornoides (Australian Shelduck, Mountain Duck)               |          |                   |                                             |
| 697.                         |                | Talitridae sp.                                                         |          |                   |                                             |
| 698.                         |                | Tanypodinae sp.                                                        |          |                   |                                             |
| 699.                         |                | Tanytarsus barbitarsis                                                 |          |                   |                                             |
| 700.                         |                | Tanytarsus fuscithorax/semibarbitarsus                                 |          |                   |                                             |
| 701.                         |                | Tanytarsus nr bispinosus (SAP)                                         |          |                   |                                             |
| 702.                         |                | Tardigrada sp.                                                         |          |                   |                                             |
| 703.                         | 24167          | Tarsipes rostratus (Honey Possum, Noolbenger)                          |          |                   |                                             |
| 704.                         |                | Tasmanocoenis tillyardi                                                |          |                   |                                             |
| 705.                         |                | Testudinella patina                                                    |          |                   |                                             |
| 706.                         |                | Tetragnatha nitens                                                     |          |                   |                                             |
| 707.                         |                | Tetragnatha valida                                                     |          |                   |                                             |
| 708.                         | 34007          | Thalassarche chlororhynchos (Atlantic Yellow-nosed Albatross)          |          | Т                 |                                             |
| 709.                         |                | Thalasseleotris adela                                                  |          |                   |                                             |
| 710.                         |                | Thalasseus bergii (Crested Tern)                                       |          | IA                |                                             |
| 711.                         | 48135          | Thinornis rubricollis (Hooded Plover, Hooded Dotterel)                 |          | P4                |                                             |
| 712.                         |                | Threpterius maculosus                                                  |          |                   |                                             |
| 713.                         |                | Threskiornis spinicollis (Straw-necked Ibis)                           |          |                   |                                             |
| 714.                         |                | Tiliqua occipitalis (Western Bluetongue)                               |          |                   |                                             |
| 715.                         | 25207          | Tiliqua rugosa subsp. rugosa                                           |          |                   |                                             |
| 716.                         |                | Tipulidae sp.                                                          |          |                   |                                             |
| 717.                         |                | Tipulidae type F (SAP)                                                 |          |                   |                                             |
| 718.                         |                | Tipulidae type J (SAP)                                                 |          |                   | Y                                           |
| 719.                         |                | Todiramphus sanctus (Sacred Kingfisher)                                |          |                   |                                             |
| 720.                         | 24309          | Todiramphus sanctus subsp. sanctus (Sacred Kingfisher)                 |          |                   |                                             |
| 721.                         |                | Trachinops sp.                                                         |          |                   | Υ                                           |
| 722.                         |                | Trianectes bucephalus                                                  |          |                   |                                             |
| 723.                         | 48141          | Tribonyx ventralis (Black-tailed Native-hen)                           |          |                   |                                             |
| 724.                         |                | Trichocerca sp.                                                        |          |                   |                                             |
| 725.                         |                | Tringa brevipes (Grey-tailed Tattler)                                  |          | P4                |                                             |
| 726.                         |                | Tringa glareola (Wood Sandpiper)                                       |          | IA                |                                             |
| 727.                         |                | Tringa nebularia (Common Greenshank, greenshank)                       |          | IA                |                                             |
| 728.                         | 24809          | Tringa stagnatilis (Marsh Sandpiper, little greenshank)                |          | IA                |                                             |
| 729.                         |                | Triplectides australis                                                 |          |                   |                                             |
| 730.                         |                | Turbellaria sp.                                                        |          |                   |                                             |
| 731.                         |                | Turnix varius (Painted Button-quail)                                   |          |                   |                                             |
| 732.                         |                | Turnix velox (Little Button-quail)                                     |          |                   |                                             |
| 733.                         |                | Tursiops aduncus (Indo-Pacific Bottlenose Dolphin)                     |          |                   |                                             |
| 734.                         |                | Tursiops truncatus (Bottlenose Dolphin)                                |          |                   |                                             |
| 735.                         | 24983          | Underwoodisaurus milii (Barking Gecko)                                 |          |                   |                                             |
|                              |                | Upeneichthys lineatus                                                  |          |                   |                                             |
| 736.                         |                | Urodacus novaehollandiae                                               |          |                   |                                             |
| 736.<br>737.                 |                |                                                                        |          |                   |                                             |
| 736.<br>737.<br>738.         |                | Vanellus miles (Masked Lapwing)                                        |          |                   |                                             |
| 736.<br>737.<br>738.<br>739. | 24385          | Vanellus miles subsp. novaehollandiae (Masked Lapwing)                 |          |                   |                                             |
| 736.<br>737.<br>738.         | 24385<br>24386 | · · · · · · · · · · · · · · · · · · ·                                  |          |                   |                                             |







|              | Name ID | Species Name                                             | Naturalised | Conservation Code | Area |
|--------------|---------|----------------------------------------------------------|-------------|-------------------|------|
| 742.         | 0.4000  | Venatrix pullastra                                       |             |                   |      |
| 743.         | 24206   | Vespadelus regulus (Southern Forest Bat)                 |             |                   |      |
| 744.         | 04040   | Vincentia punctata                                       | .,          |                   |      |
| 745.         |         | Vulpes vulpes (Red Fox)                                  | Υ           | _                 |      |
| 746.         | 34113   | Westralunio carteri (Carter's Freshwater Mussel)         |             | Т                 |      |
| 747.         |         | Xanthagrion erythroneurum                                |             |                   |      |
| 748.         |         | Zeus faber                                               |             |                   | .,   |
| 749.         | 05705   | Zonocypris sp BOS082                                     |             |                   | Υ    |
| 750.         | 25/65   | Zosterops lateralis (Grey-breasted White-eye, Silvereye) |             |                   |      |
| romista      |         |                                                          |             |                   |      |
| 751.         | 26443   | Acrocarpia robusta                                       |             |                   |      |
| 752.         | 26586   | Caulocystis uvifera                                      |             |                   |      |
| 753.         | 35912   | Cladosiphon vermicularis                                 |             |                   |      |
| 754.         | 26717   | Cystophora brownii                                       |             |                   |      |
| 755.         | 26719   | Cystophora gracilis                                      |             |                   |      |
| 756.         | 26722   | Cystophora monilifera                                    |             |                   |      |
| 757.         | 26724   | Cystophora pectinata                                     |             |                   |      |
| 758.         | 26726   | Cystophora racemosa                                      |             |                   |      |
| 759.         | 26727   | Cystophora retorta                                       |             |                   |      |
| 760.         | 26729   | Cystophora subfarcinata                                  |             |                   |      |
| 761.         | 26764   | Dictyopteris australis                                   |             |                   |      |
| 762.         | 26765   | Dictyopteris gracilis                                    |             |                   |      |
| 763.         | 26766   | Dictyopteris muelleri                                    |             |                   |      |
| 764.         | 26767   | Dictyopteris plagiogramma                                |             |                   |      |
| 765.         | 26776   | Dictyota dichotoma                                       |             |                   |      |
| 766.         | 27392   | Dictyota dichotoma var. intricata                        |             |                   |      |
| 767.         | 29537   | Dictyota fastigiata                                      |             |                   |      |
| 768.         | 26778   | Dictyota furcellata                                      |             |                   |      |
| 769.         | 35218   | Dictyota nigricans                                       |             |                   |      |
| 770.         | 35216   | Dictyota paniculata                                      |             |                   |      |
| 771.         | 35223   | Dictyota polyclada                                       |             |                   |      |
| 772.         | 29536   | Dictyota robusta                                         |             |                   |      |
| 773.         |         | Dilophus marginatus                                      |             |                   | Y    |
| 774.         | 26791   | Distromium flabellatum                                   |             |                   |      |
| 775.         | 26792   | Distromium multifidum                                    |             |                   |      |
| 776.         | 26805   | Ecklonia radiata                                         |             |                   |      |
| 777.         | 26810   | Encyothalia cliftonii                                    |             |                   |      |
| 778.         | 26947   | Hormosira banksii                                        |             |                   |      |
| 779.         | 26949   | Hydroclathrus clathratus                                 |             |                   |      |
| 780.         | 27043   | Lobophora variegata                                      |             |                   |      |
| 781.         | 27044   | Lobospira bicuspidata                                    |             |                   |      |
| 782.         | 27090   | Myriodesma quercifolium                                  |             |                   |      |
| 783.         | 27092   | Myriodesma tuberosum                                     |             |                   |      |
| 784.         | 27105   | Notheia anomala                                          |             |                   |      |
| 785.         | 27152   | Platythalia quercifolia                                  |             |                   |      |
| 786.         | 27164   | Polycerea zostericola                                    |             |                   |      |
| 787.         | 27239   | Sargassum fallax                                         |             |                   |      |
| 788.         | 27246   | Sargassum lacerifolium                                   |             |                   |      |
| 789.         | 27254   | Sargassum podacanthum                                    |             |                   |      |
| 790.         | 27264   | Scaberia agardhii                                        |             |                   |      |
| 791.         | 27271   | Scoresbyella profunda                                    |             |                   |      |
| 792.         | 27273   | Scytothalia dorycarpa                                    |             |                   |      |
| 793.         | 27304   | Sporochnus comosus                                       |             |                   |      |
| 794.         | 27305   | Sporochnus radiciformis                                  |             |                   |      |
| 795.         | 36138   | Zonaria angustata                                        |             |                   |      |
| 796.         | 27371   | Zonaria crenata                                          |             |                   |      |
| 797.         | 27372   | Zonaria spiralis                                         |             |                   |      |
| 798.         | 27373   | Zonaria turneriana                                       |             |                   |      |
| ngi          |         |                                                          |             |                   |      |
| 799.         |         | Agaricus sp.                                             |             |                   |      |
| 799.<br>800. | 39754   | Amanita conicobulbosa                                    |             |                   |      |
| 800.         |         | Anthracophyllum archeri                                  |             |                   |      |
| 802.         | 30138   | Armillaria luteobubalina                                 |             |                   |      |
| 802.         | 22762   | Auriscalpium barbatum                                    |             |                   |      |
| 803.<br>804. |         | Austroparmelina conlabrosa                               |             |                   |      |
|              |         |                                                          |             |                   |      |
| 805.         | 38848   | Bolbitius titubans                                       |             |                   |      |
| 806.<br>807. | 27507   | Boletus sp. Buellia disciformis                          |             |                   |      |
|              | 2/59/   |                                                          |             |                   |      |
| 808.         |         | Caloplaca sp.                                            |             |                   |      |







| 809.<br>810.                                                                                                 | Name ID                                                                                                             | Species Name                                                                                                                                                                                                                                                                                                                           | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|---------------------------------------|
| 810.                                                                                                         | 27663                                                                                                               | Cladia aggregata                                                                                                                                                                                                                                                                                                                       |             |                   | 702                                   |
|                                                                                                              | 48177                                                                                                               | Cladia muelleri                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 811.                                                                                                         | 28208                                                                                                               | Cladonia cervicornis subsp. verticillata                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 812.                                                                                                         |                                                                                                                     | Claviceps purpurea                                                                                                                                                                                                                                                                                                                     |             |                   |                                       |
| 813.                                                                                                         |                                                                                                                     | Coltricia cinnamomea                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 814.                                                                                                         |                                                                                                                     | Coprinus comatus                                                                                                                                                                                                                                                                                                                       |             |                   |                                       |
| 815.                                                                                                         | 27726                                                                                                               | Diplotomma alboatrum                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 816.                                                                                                         |                                                                                                                     | Flavoparmelia ferax                                                                                                                                                                                                                                                                                                                    |             |                   |                                       |
| 817.                                                                                                         |                                                                                                                     | Flavoparmelia rutidota                                                                                                                                                                                                                                                                                                                 |             |                   |                                       |
| 818.                                                                                                         | 27750                                                                                                               | Flavoparmelia secalonica                                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 819.                                                                                                         |                                                                                                                     | Fusarium avenaceum                                                                                                                                                                                                                                                                                                                     |             |                   |                                       |
| 820.                                                                                                         | 00700                                                                                                               | Geastrum sp.                                                                                                                                                                                                                                                                                                                           |             |                   |                                       |
| 821.                                                                                                         |                                                                                                                     | Gymnopilus junonius                                                                                                                                                                                                                                                                                                                    |             |                   |                                       |
| 822.                                                                                                         |                                                                                                                     | Heterodermia obscurata                                                                                                                                                                                                                                                                                                                 |             |                   |                                       |
| 823.<br>824.                                                                                                 |                                                                                                                     | Hypogymnia subphysodes var. subphysodes                                                                                                                                                                                                                                                                                                |             |                   |                                       |
| 825.                                                                                                         |                                                                                                                     | Jackelixia ligulata<br>Laccocephalum tumulosum                                                                                                                                                                                                                                                                                         |             |                   |                                       |
| 826.                                                                                                         | 30002                                                                                                               | Lecidea sp.                                                                                                                                                                                                                                                                                                                            |             |                   |                                       |
| 827.                                                                                                         | 16151                                                                                                               | Leucoagaricus leucothites                                                                                                                                                                                                                                                                                                              |             |                   |                                       |
| 828.                                                                                                         |                                                                                                                     | Limacella pitereka                                                                                                                                                                                                                                                                                                                     |             |                   |                                       |
| 829.                                                                                                         |                                                                                                                     | Macrolepiota turbinata                                                                                                                                                                                                                                                                                                                 |             |                   |                                       |
| 830.                                                                                                         |                                                                                                                     | Omphalotus nidiformis                                                                                                                                                                                                                                                                                                                  |             |                   |                                       |
| 831.                                                                                                         |                                                                                                                     | Peziza austrogeaster                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 832.                                                                                                         | .5010                                                                                                               | Physcia sp.                                                                                                                                                                                                                                                                                                                            |             |                   |                                       |
| 833.                                                                                                         |                                                                                                                     | Phytophthora cinnamomi                                                                                                                                                                                                                                                                                                                 |             |                   |                                       |
| 834.                                                                                                         |                                                                                                                     | Pisolithus sp.                                                                                                                                                                                                                                                                                                                         |             |                   |                                       |
| 835.                                                                                                         |                                                                                                                     | Placoasterella baileyi                                                                                                                                                                                                                                                                                                                 |             |                   |                                       |
| 836.                                                                                                         | 38824                                                                                                               | Pleurotus australis                                                                                                                                                                                                                                                                                                                    |             |                   |                                       |
| 837.                                                                                                         | 48835                                                                                                               | Pycnoporus coccineus                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 838.                                                                                                         | 28027                                                                                                               | Ramalina celastri                                                                                                                                                                                                                                                                                                                      |             |                   |                                       |
| 839.                                                                                                         | 28224                                                                                                               | Ramalina inflata subsp. australis                                                                                                                                                                                                                                                                                                      |             |                   |                                       |
| 840.                                                                                                         | 28034                                                                                                               | Ramboldia crassithallina                                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 841.                                                                                                         |                                                                                                                     | Rhizopogon luteolus                                                                                                                                                                                                                                                                                                                    |             |                   |                                       |
| 842.                                                                                                         |                                                                                                                     | Schizophyllum commune                                                                                                                                                                                                                                                                                                                  |             |                   |                                       |
| 843.                                                                                                         | 28065                                                                                                               | Teloschistes chrysophthalmus                                                                                                                                                                                                                                                                                                           |             |                   |                                       |
| 844.                                                                                                         | 28066                                                                                                               | Teloschistes sieberianus                                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 845.                                                                                                         | 28069                                                                                                               | Thelotrema lepadinum                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 846.                                                                                                         | 45838                                                                                                               | Tilletia ehrhartae                                                                                                                                                                                                                                                                                                                     |             |                   |                                       |
| 847.                                                                                                         |                                                                                                                     | Uromycladium tepperianum                                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 848.                                                                                                         |                                                                                                                     | Usnea dasaea                                                                                                                                                                                                                                                                                                                           |             |                   |                                       |
| 849.                                                                                                         |                                                                                                                     | Usnea inermis                                                                                                                                                                                                                                                                                                                          |             |                   |                                       |
| 850.                                                                                                         | 45909                                                                                                               | Ustilago tritici                                                                                                                                                                                                                                                                                                                       |             |                   |                                       |
| 851.                                                                                                         | 20070                                                                                                               | Ventucaria sp.                                                                                                                                                                                                                                                                                                                         |             |                   |                                       |
| 852.                                                                                                         | 29970                                                                                                               | Xanthoparmelia conranensis                                                                                                                                                                                                                                                                                                             |             |                   |                                       |
| Plantae                                                                                                      |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 853.                                                                                                         | 14608                                                                                                               | Acacia aemula subsp. aemula                                                                                                                                                                                                                                                                                                            |             |                   |                                       |
| 854.                                                                                                         | 3239                                                                                                                | Acacia biflora                                                                                                                                                                                                                                                                                                                         |             |                   |                                       |
| 855.                                                                                                         | 3244                                                                                                                | Acacia brachyclada                                                                                                                                                                                                                                                                                                                     |             |                   |                                       |
| 856.                                                                                                         | 3262                                                                                                                | Acacia cochlearis (Rigid Wattle)                                                                                                                                                                                                                                                                                                       |             |                   |                                       |
| 857.                                                                                                         | 3268                                                                                                                | Acacia conniana                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 858.                                                                                                         | 3276                                                                                                                | Acacia crassuloides                                                                                                                                                                                                                                                                                                                    |             |                   |                                       |
| 859.                                                                                                         | 3277                                                                                                                | Acacia crispula                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 860.                                                                                                         |                                                                                                                     | Acacia cupularis                                                                                                                                                                                                                                                                                                                       |             |                   |                                       |
|                                                                                                              |                                                                                                                     | Acacia cyclops (Coastal Wattle)                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 861.                                                                                                         | 3289                                                                                                                | Acacia delphina                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 861.<br>862.                                                                                                 |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                        |             |                   |                                       |
| 861.<br>862.<br>863.                                                                                         | 3296                                                                                                                | Acacia dermatophylla                                                                                                                                                                                                                                                                                                                   |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.                                                                                 | 3296<br>16123                                                                                                       | Acacia dermatophylla<br>Acacia evenulosa                                                                                                                                                                                                                                                                                               |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.                                                                         | 3296<br>16123<br>3349                                                                                               | Acacia dermatophylla<br>Acacia evenulosa<br>Acacia glaucoptera (Flat Wattle)                                                                                                                                                                                                                                                           |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.                                                                         | 3296<br>16123<br>3349<br>3353                                                                                       | Acacia dermatophylla<br>Acacia evenulosa<br>Acacia glaucoptera (Flat Wattle)<br>Acacia gonophylla                                                                                                                                                                                                                                      |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.                                                                 | 3296<br>16123<br>3349<br>3353<br>3368                                                                               | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita                                                                                                                                                                                                                            |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.                                                         | 3296<br>16123<br>3349<br>3353<br>3368<br>15475                                                                      | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita                                                                                                                                                                                      |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.                                                 | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408                                                              | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur)                                                                                                                                         |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.                                         | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519                                                     | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata                                                                                                      |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.                                 | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476                                            | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes                                                                        |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.<br>871.                         | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476<br>3453                                    | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes Acacia myrtifolia                                                      |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.<br>871.<br>872.                 | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476<br>3453<br>3457                            | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes Acacia myrtifolia Acacia nigricans                                     |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.<br>871.<br>872.                 | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476<br>3453<br>3457<br>16138                   | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes Acacia myrtifolia Acacia nigricans Acacia pachyphylla                  |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.<br>871.<br>872.<br>873.<br>874. | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476<br>3453<br>3457<br>16138<br>12265          | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes Acacia myrtifolia Acacia nigricans Acacia pachyphylla Acacia patagiata |             |                   |                                       |
| 861.<br>862.<br>863.<br>864.<br>865.<br>866.<br>867.<br>868.<br>869.<br>870.<br>871.<br>872.                 | 3296<br>16123<br>3349<br>3353<br>3368<br>15475<br>3408<br>11519<br>15476<br>3453<br>3457<br>16138<br>12265<br>16139 | Acacia dermatophylla Acacia evenulosa Acacia glaucoptera (Flat Wattle) Acacia gonophylla Acacia heteroclita Acacia heteroclita subsp. heteroclita Acacia lasiocalyx (Silver Wattle, Wilyurwur) Acacia lasiocarpa var. bracteolata Acacia latipes subsp. latipes Acacia myrtifolia Acacia nigricans Acacia pachyphylla                  |             |                   |                                       |



|      |       | Species Name                                                    | Naturalise | d Conservation Code | Area |
|------|-------|-----------------------------------------------------------------|------------|---------------------|------|
| 878. |       | Acacia preissiana                                               |            |                     |      |
| 879. | 3498  | Acacia pritzeliana                                              |            |                     |      |
| 880. | 15482 | Acacia pulchella var. goadbyi                                   |            |                     |      |
| 881. | 3504  | Acacia pycnantha (Golden Wattle)                                | Y          |                     |      |
| 882. | 3525  | Acacia rostellifera (Summer-scented Wattle)                     |            |                     |      |
| 883. | 3527  | Acacia saligna (Orange Wattle, Kudjong)                         |            |                     |      |
| 884. | 30034 | Acacia saligna subsp. pruinescens                               |            |                     |      |
| 885. | 30032 | Acacia saligna subsp. saligna                                   |            |                     |      |
| 886. | 3548  | Acacia sorophylla                                               |            |                     |      |
| 887. |       | Acacia subcaerulea                                              |            |                     |      |
| 888. | 13505 | Acacia sulcata var. planoconvexa                                |            |                     |      |
| 889. |       | Acacia triptycha                                                |            |                     |      |
| 890. |       | Acacia varia var. parviflora                                    |            |                     |      |
| 891. |       | Achillea millefolium (Yarrow, Milfoil)                          | Y          |                     |      |
| 892. |       | Acrotriche cordata (Coast Ground Berry)                         | •          |                     |      |
| 893. |       |                                                                 |            |                     |      |
|      |       | Actinotus glomeratus                                            |            |                     |      |
| 894. |       | Adelophycus corneus                                             |            |                     |      |
| 895. |       | Adelphacme minima                                               |            | P3                  |      |
| 896. |       | Adenanthos cuneatus (Coastal Jugflower)                         |            |                     |      |
| 897. |       | Adriana quadripartita (Bitter Bush)                             |            |                     |      |
| 898. | 20331 | Aeonium arboreum                                                | Υ          |                     |      |
| 899. | 20330 | Agonis baxteri                                                  |            |                     |      |
| 900. | 23501 | Agrostocrinum scabrum subsp. scabrum                            |            |                     |      |
| 901. | 184   | Aira caryophyllea (Silvery Hairgrass)                           | Υ          |                     |      |
| 902. |       | Aira cupaniana (Silvery Hairgrass)                              | Υ          |                     |      |
| 903. |       | Aira praecox (Early Hairgrass)                                  | Υ          |                     |      |
| 904. | 1719  | Allocasuarina acuaria                                           |            |                     |      |
| 905. | 1730  | Allocasuarina helmsii                                           |            |                     |      |
| 906. |       | Allocasuarina huegeliana (Rock Sheoak, Kwowl)                   |            |                     |      |
| 907. |       | Allocasuarina humilis (Dwarf Sheoak)                            |            |                     |      |
|      |       |                                                                 |            |                     |      |
| 908. |       | Allocasuarina lehmanniana subsp. ecarinata                      |            |                     |      |
| 909. |       | Allocasuarina thuyoides (Horned Sheoak)                         |            |                     |      |
| 910. |       | Allocasuarina trichodon                                         |            |                     |      |
| 911. |       | Althenia cylindrocarpa                                          |            |                     |      |
| 912. | 48620 | Althenia preissii                                               |            |                     |      |
| 913. | 4905  | Alyogyne hakeifolia                                             |            |                     |      |
| 914. | 35909 | Amansia pinnatifida                                             |            |                     |      |
| 915. | 2655  | Amaranthus albus (Tumbleweed)                                   | Υ          |                     |      |
| 916. | 37280 | Amaranthus muricatus                                            | Υ          |                     | Υ    |
| 917. | 2669  | Amaranthus retroflexus (Redroot Amaranth)                       | Υ          |                     |      |
| 918. | 126   | Amphibolis antarctica (Sea Nymph)                               |            |                     |      |
| 919. | 127   | Amphibolis griffithii                                           |            |                     |      |
| 920. | 13380 | Amphibromus nervosus                                            |            |                     |      |
| 921. |       | Amphipogon avenaceus                                            |            |                     |      |
| 922. |       | Amphipogon turbinatus                                           |            |                     |      |
| 923. |       | Amphiroa anceps                                                 |            |                     |      |
| 924. |       | Anarthria gracilis                                              |            |                     |      |
|      |       | -                                                               |            |                     |      |
| 925. |       | Anarthria humilis                                               |            |                     |      |
| 926. |       | Anarthria laevis                                                |            |                     |      |
| 927. |       | Anarthria polyphylla                                            |            |                     |      |
| 928. |       | Anarthria prolifera                                             |            |                     |      |
| 929. |       | Anarthria scabra                                                |            |                     |      |
| 930. | 6316  | Andersonia macranthera                                          |            |                     |      |
| 931. | 6318  | Andersonia parvifolia                                           |            |                     |      |
| 932. | 29108 | Andersonia sp. Kulin (J.M. Powell 2588)                         |            |                     |      |
| 933. | 6321  | Andersonia sprengelioides                                       |            |                     |      |
| 934. | 40903 | Androcalva aphrix                                               |            |                     |      |
| 935. |       | Angianthus preissianus                                          |            |                     |      |
| 936. |       | Anigozanthos bicolor subsp. minor                               |            | Т                   |      |
| 937. |       | Anigozanthos rufus (Red Kangaroo Paw)                           |            |                     |      |
| 938. |       | Anthocercis littorea (Yellow Tailflower)                        |            |                     |      |
| 939. |       | Anthocercis viscosa subsp. caudata                              |            |                     |      |
|      |       |                                                                 |            |                     |      |
| 940. |       | Anthotium humile (Dwarf Anthotium)                              |            |                     |      |
| 941. |       | Antithamnion hanovioides                                        |            |                     |      |
| 942. |       | Actus sp. Esperance (P.G. Wilson 7904)                          |            |                     |      |
| 943. |       | Aphelia sp. Albany (B.G. Briggs 596)                            |            |                     |      |
| 944. | 6210  | Apium annuum                                                    |            |                     |      |
| 945. | 6211  | Apium prostratum (Sea Celery)                                   |            |                     |      |
| 946. | 12040 | Apium prostratum subsp. prostratum var. prostratum (Sea Celery) |            |                     |      |
|      |       | Arctotheca calendula (Cape Weed, African Marigold)              | Υ          |                     |      |







| 949. 26483 950. 26484 951. 13327 952. 13329 953. 26485 954. 8779 955. 1364 956. 20347 957. 5330 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1849 994. 32143 995. 32145 996. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                             | Arctotheca populifolia (Dune Arctotheca, Beach Pumpkin, Coast Capeweed, Beach Daisy) Areschougia logulata Areschougia ligulata Argentipallium niveum Argentipallium tephrodes Asparagopsis armata Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Astartea reticulata Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Attriplex prostrata (Hastate Orache) Attriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa flavescens Austrostipa juncifolia Austrostipa macalpinei Austrostipa mundula | Y Y | P3                                        | Area          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------|---------------|
| 950. 26484 951. 13327 952. 13329 953. 26485 954. 8779 955. 1364 956. 20347 957. 5330 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 996. 1843 997. 1845 998. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                   | Areschougia ligulata Argentipallium niveum Argentipallium tephrodes Asparagopsis armata Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa macalpinei                                                                                                                                                             | Y   |                                           |               |
| 951. 13327 952. 13329 953. 26485 954. 8779 955. 1364 956. 20347 957. 5330 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32145 996. 1843 997. 1845 996. 1843 997. 1845 999. 32035 1000. 32036 1001. 1856 1002. 32315 1000. 32036 1001. 1856 1002. 32315 1000. 5383                                                                                                                                                                                                                        | Argentipallium niveum Argentipallium tephrodes Asparagopsis armata Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa macalpinei                                                                                                                                                                                  | Y   |                                           |               |
| 952. 13329 953. 26485 954. 8779 955. 1364 956. 20347 957. 5330 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 999. 32197 991. 1837 992. 1839 993. 1844 999. 32198 990. 32197 991. 1837 992. 1839 993. 1844 999. 32198 999. 32197 991. 1837 992. 1839 993. 1845 996. 1843 997. 1845 996. 1843 997. 1845 998. 32198 999. 32197 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                     | Argentipallium tephrodes Asparagopsis armata Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa macalpinei                                                                                                                                                                                                        | Y   |                                           |               |
| 953. 26485   954. 8779   955. 1364   956. 20347   957. 5330   958. 42787   959. 7850   960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                   | Asparagopsis armata Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa macalpinei                                                                                                                                                                                                                                 | Y   |                                           |               |
| 954. 8779 955. 1364 956. 20347 957. 5330 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 977. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 999. 32035 1000. 32036 1000. 32036 1000. 32036 1000. 32036 1000. 745 1000. 5383                                                                                                                                                                                                                        | Asparagus asparagoides (Bridal Creeper) Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa juncifolia Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                             | Y   |                                           |               |
| 955. 1364   956. 20347   957. 5330   958. 42787   959. 7850   960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1000. 32036   1000. 32036   1000. 32036   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 745   1000. 5383 | Asphodelus fistulosus (Onion Weed) Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa macalpinei                                                                                                                                                                                                                                                                                             | Y   |                                           |               |
| 956. 20347   957. 5330   958. 42787   959. 7850   960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                            | Astartea astarteoides Astartea fascicularis (Recherche Astartea) Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                         |     |                                           |               |
| 957. 5330   958. 42787   959. 7850   960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                              | Astartea fascicularis (Recherche Astartea)  Astartea reticulata  Asteridea nivea  Astroloma epacridis  Astroloma prostratum (Cranberry Heath)  Astroloma sp. Grass Patch (A.J.G. Wilson 110)  Astroloma tectum  Atriplex exilifolia  Atriplex prostrata (Hastate Orache)  Atriplex semibaccata (Berry Saltbush)  Austrostipa acrociliata  Austrostipa flavescens  Austrostipa hemipogon  Austrostipa juncifolia  Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                 | Y   |                                           |               |
| 958. 42787 959. 7850 960. 6326 961. 6335 962. 14503 963. 6338 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 3235 1000. 3236 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                      | Astartea reticulata Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                          | Y   |                                           |               |
| 959. 7850   960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1000. 32036   1000. 745   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                | Asteridea nivea Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                              | Y   |                                           |               |
| 960. 6326   961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 745   1007. 5383                                                                                                                                                                                                                  | Astroloma epacridis Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                       | Y   | P2                                        |               |
| 961. 6335   962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                                                  | Astroloma prostratum (Cranberry Heath) Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                           | Y   | P2                                        |               |
| 962. 14503   963. 6338   964. 2457   965. 2471   966. 2475   967. 17231   968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                                                              | Astroloma sp. Grass Patch (A.J.G. Wilson 110) Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Υ   | P2                                        |               |
| 963. 6338 . 964. 2457 . 965. 2471 . 966. 2475 . 967. 17231 . 968. 17236 . 969. 17240 . 970. 17241 . 971. 17242 . 972. 17244 . 973. 35317 . 974. 231 . 975. 233 . 976. 234 . 977. 5352 . 978. 20674 . 979. 20620 . 980. 5373 . 981. 32681 . 982. 32683 . 983. 1805 . 984. 32621 . 985. 1832 . 986. 32203 . 987. 1836 . 988. 11360 . 989. 32198 . 990. 32197 . 991. 1837 . 992. 1839 . 993. 1840 . 994. 32143 . 995. 32145 . 996. 1843 . 997. 1845 . 998. 1850 . 999. 32035 . 1000. 32036 . 1001. 1856 . 1002. 32315 . 1003. 32320 . 1004. 741 . 1005. 743 .                                                                                                                                                                                                                                                                  | Astroloma tectum Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Y   | P2                                        |               |
| 964. 2457 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                             | Atriplex exilifolia Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Υ   |                                           |               |
| 965. 2471 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32197 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                   | Atriplex prostrata (Hastate Orache) Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Y   |                                           |               |
| 966. 2475 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                       | Atriplex semibaccata (Berry Saltbush) Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Y   |                                           |               |
| 967. 17231 968. 17236 969. 17240 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                | Austrostipa acrociliata Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |                                           |               |
| 968. 17236   969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                                                                                                                                        | Austrostipa drummondii Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 969. 17240   970. 17241   971. 17242   972. 17244   973. 35317   974. 231   975. 233   976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                                                                                                                                                     | Austrostipa flavescens Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                           |               |
| 970. 17241 971. 17242 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 989. 32198 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                        | Austrostipa hemipogon Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                           |               |
| 971. 17242                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Austrostipa juncifolia Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                           |               |
| 972. 17244 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 989. 32198 990. 32197 991. 1837 992. 1839 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                              | Austrostipa macalpinei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                           |               |
| 973. 35317 974. 231 975. 233 976. 234 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                       | • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                           |               |
| 974. 231 . 975. 233 . 976. 234 . 977. 5352 . 978. 20674 . 979. 20620 . 980. 5373 . 981. 32681 . 982. 32683 . 983. 1805 . 984. 32621 . 985. 1832 . 986. 32203 . 987. 1836 . 988. 11360 . 989. 32198 . 990. 32197 . 991. 1837 . 992. 1839 . 993. 1840 . 994. 32143 . 995. 32145 . 996. 1843 . 997. 1845 . 998. 1850 . 999. 32035 . 1000. 32036 . 1001. 1856 . 1002. 32315 . 1003. 32320 . 1004. 741 . 1005. 743 . 1006. 745 .                                                                                                                                                                                                                                                                                                                                                                                                 | Austrostipa mundula                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                           |               |
| 975. 233 . 976. 234 . 977. 5352 . 978. 20674 . 979. 20620 . 980. 5373 . 981. 32681 . 982. 32683 . 983. 1805 . 984. 32621 . 985. 1832 . 986. 32203 . 987. 1836 . 988. 11360 . 989. 32198 . 990. 32197 . 991. 1837 . 992. 1839 . 993. 1840 . 994. 32143 . 995. 32145 . 996. 1843 . 997. 1845 . 998. 1850 . 999. 32035 . 1000. 32036 . 1001. 1856 . 1002. 32315 . 1003. 32320 . 1004. 741 . 1005. 743 . 1006. 745 . 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                 | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | P3                                        |               |
| 976. 234   977. 5352   978. 20674   979. 20620   980. 5373   981. 32681   982. 32683   983. 1805   984. 32621   985. 1832   986. 32203   987. 1836   988. 11360   989. 32198   990. 32197   991. 1837   992. 1839   993. 1840   994. 32143   995. 32145   996. 1843   997. 1845   998. 1850   999. 32035   1000. 32036   1001. 1856   1002. 32315   1003. 32320   1004. 741   1005. 743   1006. 745   1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                            | Avellinia michelii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Υ   |                                           |               |
| 977. 5352 978. 20674 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Avena barbata (Bearded Oat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Υ   |                                           |               |
| 978.         20674           979.         20620           980.         5373           981.         32681           982.         32683           983.         1805           984.         32621           985.         1832           986.         32203           987.         1836           988.         11360           989.         32197           991.         1837           992.         1839           993.         1840           994.         32145           996.         1843           997.         1845           998.         1850           999.         32035           1000.         32036           1001.         1856           1002.         32315           1003.         32320           1004.         741           1005.         743           1006.         745           1007.         5383     | Avena fatua (Wild Oat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Υ   |                                           |               |
| 979. 20620 980. 5373 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Baeckea latens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                           |               |
| 980. 5373  981. 32681  982. 32683  983. 1805  984. 32621  985. 1832  986. 32203  987. 1836  988. 11360  989. 32198  990. 32197  991. 1837  992. 1839  993. 1840  994. 32143  995. 32145  996. 1843  997. 1845  998. 1850  999. 32035  1000. 32036  1001. 1856  1002. 32315  1003. 32320  1004. 741  1005. 743  1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Baeckea sp. Esperance (A.G. Gunness AG 2435)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                                           |               |
| 981. 32681 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Baeckea sp. Gibson (K.R. Newbey 11084)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | P1                                        |               |
| 982. 32683 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Baeckea uncinella                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 983. 1805 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Banksia armata (Prickly Dryandra)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 984. 32621 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Banksia armata var. ignicida                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                                           |               |
| 985. 1832 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Banksia blechnifolia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                           |               |
| 986. 32203 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Banksia cirsioides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                           |               |
| 987. 1836 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Banksia media (Southern Plains Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                           |               |
| 988. 11360 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Banksia nivea subsp. nivea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                           |               |
| 989. 32198 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Banksia nutans (Nodding Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                           |               |
| 990. 32197 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Banksia nutans var. nutans (Nodding Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                                           |               |
| 991. 1837 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Banksia obovata (Wedge-leaved Dryandra)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                           |               |
| 992. 1839 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Banksia obtusa (Shining Honeypot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 993. 1840 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Banksia occidentalis (Red Swamp Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |                                           |               |
| 994. 32143 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Banksia petiolaris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                           |               |
| 995. 32145 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Banksia pilostylis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                           |               |
| 996. 1843 997. 1845 998. 1850 999. 32035 1000. 32036 1001. 1856 1002. 32315 1003. 32320 1004. 741 1005. 743 1006. 745 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Banksia prolata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                           |               |
| 997. 1845<br>998. 1850<br>999. 32035<br>1000. 32036<br>1001. 1856<br>1002. 32315<br>1003. 32320<br>1004. 741<br>1005. 743<br>1006. 745<br>1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Banksia prolata subsp. calcicola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     | P4                                        |               |
| 998. 1850<br>999. 32035<br>1000. 32036<br>1001. 1856<br>1002. 32315<br>1003. 32320<br>1004. 741<br>1005. 743<br>1006. 745<br>1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Banksia pulchella (Teasel Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                           |               |
| 999. 32035<br>1000. 32036<br>1001. 1856<br>1002. 32315<br>1003. 32320<br>1004. 741<br>1005. 743<br>1006. 745<br>1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Banksia repens (Creeping Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 1000.     32036       1001.     1856       1002.     32315       1003.     32320       1004.     741       1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Banksia speciosa (Showy Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                           |               |
| 1001.     1856       1002.     32315       1003.     32320       1004.     741       1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Banksia tenuis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                           |               |
| 1002.     32315       1003.     32320       1004.     741       1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Banksia tenuis var. tenuis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                           |               |
| 1003.     32320       1004.     741       1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Banksia violacea (Violet Banksia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                           |               |
| 1004.     741       1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Barbula calycina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                           |               |
| 1005.     743       1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Barbula subcalycina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                           |               |
| 1006.     745       1007.     5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Baumea articulata (Jointed Rush)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                           |               |
| 1007. 5383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Baumea juncea (Bare Twigrush)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Baumea preissii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                           |               |
| 1008. 5388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Beaufortia empetrifolia (South Coast Beaufortia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beaufortia micrantha (Little Bottlebrush, Small-leaved Beaufortia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                           |               |
| 1009. 5391                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Beaufortia schaueri (Pink Beaufortia, Pink Bottlebrush)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                           |               |
| 1010. 34262                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     | P1                                        |               |
| 1011. 34297                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Beyeria physaphylla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beyeria physaphylla<br>Beyeria sulcata var. gracilis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beyeria sulcata var. gracilis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beyeria sulcata var. gracilis<br>Beyeria viscosa (Pinkwood)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beyeria sulcata var. gracilis Beyeria viscosa (Pinkwood) Billardiera coriacea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beyeria sulcata var. gracilis Beyeria viscosa (Pinkwood) Billardiera coriacea Billardiera fusiformis (Australian Bluebell)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 643 |                                           |               |
| is a collaborative project of the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Beyeria sulcata var. gracilis Beyeria viscosa (Pinkwood) Billardiera coriacea Billardiera fusiformis (Australian Bluebell) Billardiera heterophylla (Australian Bluebell)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     | t of Biodiversity,<br>ion and Attractions | WESTER AUSTRA |



| <ul> <li>1018. 749 Bolboschoenus caldwellii (Marsh Club-rush)</li> <li>1019. 4403 Boronia alata (Winged Boronia)</li> <li>1020. 4404 Boronia albiflora</li> <li>1021. 16627 Boronia baeckeacea subsp. baeckeacea</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 1020. 4404 Boronia albiflora                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1021. 16627 Boronia baeckeacea subsp. baeckeacea                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1022. 4409 Boronia coerulescens                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1023. 4411 Boronia crassifolia                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1024. 4416 Boronia denticulata                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1025. 4425 Boronia inornata (Desert Boronia)                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1026. 11381 Boronia ramosa subsp. anethifolia                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1027. 4441 Boronia spathulata (Boronia)                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1028. 4446 Boronia tetrandra (Yellow Boronia)                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1029. 1267 Borya constricta 1030. 1271 Borya nitida (Pincushions)                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1031. 30234 Bossiaea barbarae                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1032. 3707 Bossiaea dentata                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1033. 3716 Bossiaea preissii                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1034. 3718 Bossiaea rufa                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1035. 26518 Botryocladia sonderi                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1036. 30138 Brachyloma geissoloma                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1037. 17922 Brachyloma mogin P3                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1038. 7871 Brachyscome ciliaris                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1039. 7874 Brachyscome eyrensis                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1040. 11187 Brassica barrelieri subsp. oxyrrhina (Smooth-stem Turnip)                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1041. 2999 Brassica rapa Y                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1042. 3000 Brassica tournefortii (Mediterranean Turnip)                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1043. 2995 Brassica x napus Y                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1044. 244 Briza maxima (Blowfly Grass) Y                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1045. 245 Briza minor (Shivery Grass) Y                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1046. 248 Bromus catharticus (Prairie Grass) Y 1047. 249 Bromus diandrus (Great Brome) Y                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1047. 249 Bromus diandrus (Great Brome) Y 1048. 250 Bromus hordeaceus (Soft Brome) Y                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1049. 26525 Bryopsis plumosa                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1050. 1277 Caesia occidentalis                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1051. 3001 Cakile edentula (American Sea Rocket) Y                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1052. 3002 Cakile maritima (Sea Rocket)                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1053. 13853 Caladenia arrecta                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1054. 1580 Caladenia cairnsiana (Zebra Orchid)                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1055. 15343 Caladenia decora                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1056. 15348 Caladenia flava subsp. flava                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1057. 1594 Caladenia graminifolia                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1058. 15353 Caladenia heberleana                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1059. 18023 Caladenia horistes                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1060. 1599 Caladenia latifolia (Pink Fairy Orchid)                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ul><li>1061. 15362 Caladenia longicauda subsp. crassa</li><li>1062. 13860 Caladenia longicauda subsp. rigidula</li></ul>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1063. 1605 Caladenia marginata (White Fairy Orchid)                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1064. 15374 Caladenia pachychila                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1065. Caladenia sp.                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1066. 1589 Caladenia x ericksoniae                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1067. 2845 Calandrinia brevipedata (Short-stalked Purslane)                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1068. 2846 Calandrinia calyptrata (Pink Purslane)                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1069. 2848 Calandrinia corrigioloides (Strap Purslane)                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1070. 48569 Calandrinia sp. Gypsum (F. Obbens & L. Hancock FO 10/14)                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1071. 16365 Calandrinia sp. Kenwick (G.J. Keighery 10905)                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1072. 40827 Calandrinia tholiformis                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1073. 10861 Callistachys lanceolata (Wonnich)                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1074. 93 Callitris drummondii (Drummond's Cypress Pine)                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1075. 96 Callitris preissii (Rottnest Island Pine, Maro)                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1076. 97 Callitris roei (Roe's Cypress Pine) 1077. 26534 Callophycus dorsifer                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1077. 26534 Callophycus dorsifer  1078. Callophyllis lambertii                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1079. 26538 Callophyllis rangiferina                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1080. 5407 Calothamnus gibbosus                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1081. 5409 Calothamnus gracilis                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1082. 35816 Calothamnus quadrifidus subsp. quadrifidus                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1083. 5449 Calytrix decandra (Pink Starflower)                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1084. 5450 Calytrix depressa                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1085. 48451 Calytrix hirta                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1086. 5465 Calytrix leschenaultii                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1087. 5483 Calytrix tetragona (Common Fringe-myrtle)                                                                                                                                                                        | The state of the s |







|                | Name ID | Species Name                                                                        | Naturalised             | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|-------------------------------------------------------------------------------------|-------------------------|-------------------|---------------------------------------|
| 1088.          | 3003    | Camelina sativa (False Flax)                                                        | Υ                       |                   | Alea                                  |
| 1089.          |         | Campylopus bicolor var. bicolor                                                     | ·                       |                   |                                       |
| 1090.          | 32338   | Campylopus introflexus                                                              | Υ                       |                   |                                       |
| 1091.          | 43241   | Carex thecata                                                                       |                         |                   |                                       |
| 1092.          | 2796    | Carpobrotus modestus (Inland Pigface)                                               |                         |                   |                                       |
| 1093.          | 2798    | Carpobrotus virescens (Coastal Pigface, Kolboko, Bain)                              |                         |                   |                                       |
| 1094.          |         | Carpopeltis elata                                                                   |                         |                   |                                       |
| 1095.          |         | Carpopeltis phyllophora                                                             |                         |                   |                                       |
| 1096.          |         | Carrichtera annua (Ward's Weed)                                                     | Y                       |                   |                                       |
| 1097.          |         | Cassytha glabella (Tangled Dodder Laurel)                                           |                         |                   |                                       |
| 1098.<br>1099. |         | Cassytha glabella forma dispar                                                      |                         |                   |                                       |
| 1100.          |         | Cassytha racemosa (Dodder Laurel) Cassytha racemosa forma pilosa                    |                         |                   |                                       |
| 1101.          |         | Catapodium rigidum (Rigid Fescue)                                                   | Υ                       |                   |                                       |
| 1102.          |         | Caulerpa brownii                                                                    |                         |                   |                                       |
| 1103.          |         | Caulerpa fergusonii                                                                 |                         |                   |                                       |
| 1104.          | 26563   | Caulerpa flexilis                                                                   |                         |                   |                                       |
| 1105.          | 48455   | Caulerpa geminata                                                                   |                         |                   |                                       |
| 1106.          | 26564   | Caulerpa hedleyi                                                                    |                         |                   |                                       |
| 1107.          | 26570   | Caulerpa obscura                                                                    |                         |                   |                                       |
| 1108.          |         | Caulerpa papillosa                                                                  |                         |                   |                                       |
| 1109.          |         | Caulerpa racemosa                                                                   |                         |                   |                                       |
| 1110.          |         | Caulerpa scalpelliformis                                                            |                         |                   |                                       |
| 1111.          |         | Caulerpa vesiculifera Caustis dioica                                                |                         |                   |                                       |
| 1112.<br>1113. |         | Caustis diolica Centaurea calcitrapa (Star Thistle)                                 | Υ                       |                   |                                       |
| 1114.          |         | Centaurea melitensis (Maltese Cockspur, Malta Thistle)                              | Y                       |                   |                                       |
| 1115.          |         | Centaurium erythraea (Common Centaury)                                              | Y                       |                   |                                       |
| 1116.          |         | Centella asiatica                                                                   |                         |                   |                                       |
| 1117.          | 35322   | Centranthus ruber subsp. ruber                                                      | Υ                       |                   |                                       |
| 1118.          | 1121    | Centrolepis aristata (Pointed Centrolepis)                                          |                         |                   |                                       |
| 1119.          | 13122   | Centrolepis cephaloformis subsp. cephaloformis                                      |                         |                   |                                       |
| 1120.          | 13121   | Centrolepis cephaloformis subsp. murrayi                                            |                         | P3                |                                       |
| 1121.          | 1130    | Centrolepis humillima (Dwarf Centrolepis)                                           |                         |                   |                                       |
| 1122.          | 1134    | Centrolepis polygyna (Wiry Centrolepis)                                             |                         |                   |                                       |
| 1123.          |         | Centrolepis strigosa subsp. strigosa                                                |                         |                   |                                       |
| 1124.          |         | Ceramium puberulum                                                                  |                         |                   |                                       |
| 1125.          |         | Ceramium tasmanicum                                                                 | V                       |                   |                                       |
| 1126.<br>1127. |         | Cerastium glomeratum (Mouse Ear Chickweed) Chaetemersha ceras                       | Y                       |                   |                                       |
| 1128.          |         | Chaetomorpha aerea Chamaescilla corymbosa (Blue Squill)                             |                         |                   |                                       |
| 1129.          |         | Chamaescilla corymbosa var. corymbosa                                               |                         |                   |                                       |
| 1130.          |         | Chamaescilla spiralis                                                               |                         |                   |                                       |
| 1131.          | 5489    | Chamelaucium axillare (Esperance Waxflower)                                         |                         |                   |                                       |
| 1132.          | 5491    | Chamelaucium ciliatum                                                               |                         |                   |                                       |
| 1133.          | 5495    | Chamelaucium megalopetalum (Large Waxflower)                                        |                         |                   |                                       |
| 1134.          | 26620   | Champia viridis                                                                     |                         |                   | Υ                                     |
| 1135.          | 26621   | Champia zostericola                                                                 |                         |                   |                                       |
| 1136.          |         | Chasmanthe floribunda (African Cornflag)                                            | Y                       |                   |                                       |
| 1137.          |         | Cheilanthes austrotenuifolia                                                        |                         |                   |                                       |
| 1138.          |         | Chenopodium glaucum (Glaucous Goosefoot) Chenopodium murale (Nottle leef Goosefoot) | Y                       |                   |                                       |
| 1139.<br>1140. |         | Chenopodium murale (Nettle-leaf Goosefoot) Chiracanthia arborea                     | Y                       |                   |                                       |
| 1141.          |         | Chloris virgata (Feathertop Rhodes Grass)                                           | Υ                       |                   |                                       |
| 1142.          |         | Chondrilla juncea (Skeleton Weed)                                                   | Y                       |                   |                                       |
| 1143.          |         | Chordifex laxus                                                                     |                         |                   |                                       |
| 1144.          | 17834   | Chordifex sphacelatus                                                               |                         |                   |                                       |
| 1145.          | 763     | Chorizandra enodis (Black Bristlerush)                                              |                         |                   |                                       |
| 1146.          | 13112   | Chorizema aciculare subsp. aciculare                                                |                         |                   |                                       |
| 1147.          | 3758    | Chorizema ilicifolium (Holly Flame Pea)                                             |                         |                   |                                       |
| 1148.          |         | Chorizema nervosum                                                                  |                         |                   |                                       |
| 1149.          |         | Chorizema obtusifolium                                                              |                         |                   |                                       |
| 1150.          |         | Chorizema uncinatum                                                                 |                         |                   |                                       |
| 1151.          |         | Circium vulgara (Space Thiatle, Seatch Thiatle)                                     | Y                       |                   |                                       |
| 1152.<br>1153  |         | Circium vulgare (Spear Thistle, Scotch Thistle)                                     | Y                       |                   |                                       |
| 1153.<br>1154. |         | Cladophora subsimplex Cladurus elatus                                               |                         |                   |                                       |
| 1154.          |         | Claudea elegans                                                                     |                         |                   |                                       |
| 1156.          |         | Clematis linearifolia                                                               |                         |                   |                                       |
| 1157.          |         | Clematis pubescens (Common Clematis)                                                |                         |                   |                                       |
|                |         |                                                                                     | Department Conservation | of Biodiversity,  | WESTERN                               |







|       | Name ID | Species Name                                                | Natura | lised Conservation Code | <sup>1</sup> Endemic To C<br>Area |
|-------|---------|-------------------------------------------------------------|--------|-------------------------|-----------------------------------|
| 1158. | 26666   | Cliftonaea pectinata                                        |        |                         |                                   |
| 1159. | 26672   | Codium galeatum                                             |        |                         |                                   |
| 1160. | 26678   | Codium muelleri                                             |        |                         |                                   |
| 1161. | 26679   | Codium perriniae                                            |        |                         |                                   |
| 1162. | 26683   | Codium spongiosum                                           |        |                         |                                   |
| 1163. |         | Coelarthrum cliftonii                                       |        |                         |                                   |
| 1164. |         | Coelarthrum opuntia                                         |        |                         |                                   |
| 1165. |         | Coleanthera coelophylla                                     |        | P1                      |                                   |
| 1166. |         | Comesperma calcicola                                        |        | P3                      |                                   |
| 1167. |         | Comesperma canceda  Comesperma confertum                    |        | F-3                     |                                   |
| 1168. |         |                                                             |        |                         |                                   |
|       |         | Comesperma drummondii (Drummond's Milkwort)                 |        |                         |                                   |
| 1169. |         | Comesperma flavum                                           |        | <b>D</b> 0              |                                   |
| 1170. |         | Comesperma griffinii                                        |        | P2                      |                                   |
| 1171. |         | Comesperma integerrimum                                     |        |                         |                                   |
| 1172. |         | Comesperma lanceolatum                                      |        | P2                      |                                   |
| 1173. |         | Comesperma virgatum (Milkwort)                              |        |                         |                                   |
| 1174. | 4566    | Comesperma volubile (Love Creeper)                          |        |                         |                                   |
| 1175. | 48634   | Commersonia corniculata                                     |        |                         |                                   |
| 1176. | 40923   | Commersonia craurophylla (Brittle Leaved Rulingia)          |        |                         |                                   |
| 1177. | 40924   | Commersonia rotundifolia (Round-leaved Rulingia)            |        | P3                      |                                   |
| 1178. | 1868    | Conospermum distichum                                       |        |                         |                                   |
| 1179. | 16349   | Conospermum leianthum subsp. leianthum                      |        |                         |                                   |
| 1180. |         | Conospermum leianthum subsp. orientale                      |        |                         |                                   |
| 1181. |         | Conospermum quadripetalum                                   |        | P2                      |                                   |
| 1182. |         | Conospermum stoechadis subsp. stoechadis (Common Smokebush) |        |                         |                                   |
| 1183. |         | Conospermum teretifolium (Spider Smokebush)                 |        |                         |                                   |
| 1184. |         | Conostephium marchantiorum                                  |        | P3                      |                                   |
|       |         |                                                             |        | F-3                     |                                   |
| 1185. |         | Conostylis bealiana                                         |        |                         |                                   |
| 1186. |         | Conostylis breviscapa                                       |        | _                       |                                   |
| 1187. |         | Conostylis lepidospermoides (Sedge Conostylis)              |        | T                       |                                   |
| 1188. |         | Conostylis phathyrantha                                     |        |                         |                                   |
| 1189. | 11923   | Conostylis seorsiflora subsp. seorsiflora                   |        |                         |                                   |
| 1190. | 1453    | Conostylis serrulata                                        |        |                         |                                   |
| 1191. | 5500    | Conothamnus aureus                                          |        |                         |                                   |
| 1192. | 7939    | Conyza bonariensis (Flaxleaf Fleabane)                      | Υ      |                         |                                   |
| 1193. |         | Conyza sp.                                                  |        |                         |                                   |
| 1194. | 20074   | Conyza sumatrensis                                          | Υ      |                         |                                   |
| 1195. | 7418    | Coopernookia polygalacea                                    |        |                         |                                   |
| 1196. | 7419    | Coopernookia strophiolata                                   |        |                         |                                   |
| 1197. | 2891    | Corrigiola litoralis (Strapwort)                            | Υ      |                         |                                   |
| 1198. |         | Corybas despectans                                          |        |                         |                                   |
| 1199. |         | Corynotheca micrantha var. panda                            |        |                         |                                   |
| 1200. |         | Cotula australis (Common Cotula)                            |        |                         |                                   |
| 1201. |         | Cotula bipinnata (Ferny Cotula)                             | Υ      |                         |                                   |
|       |         |                                                             |        |                         |                                   |
| 1202. |         | Cotula coronopifolia (Waterbuttons)                         | Y      |                         |                                   |
| 1203. |         | Cotula cotuloides (Smooth Cotula)                           |        |                         |                                   |
| 1204. |         | Craspedocarpus blepharicarpus                               |        |                         |                                   |
| 1205. | 26704   | Craspedocarpus venosus                                      |        |                         |                                   |
| 1206. |         | Crassula alata                                              | Υ      |                         |                                   |
| 1207. | 3137    | Crassula colorata (Dense Stonecrop)                         |        |                         |                                   |
| 1208. | 11349   | Crassula decumbens var. decumbens                           |        |                         |                                   |
| 1209. | 3139    | Crassula exserta                                            |        |                         |                                   |
| 1210. | 20271   | Crassula extrorsa                                           |        |                         |                                   |
| 1211. | 3142    | Crassula natans                                             | Υ      |                         |                                   |
| 1212. |         | Crassula natans var. minus                                  | Υ      |                         |                                   |
| 1213. |         | Cryptandra minutifolia subsp. brevistyla                    |        |                         |                                   |
| 1214. |         | Cryptandra myriantha                                        |        |                         |                                   |
| 1215. |         | Cryptandra pungens                                          |        |                         |                                   |
| 1216. |         | Cryptonemia undulata                                        |        |                         |                                   |
|       |         |                                                             |        |                         |                                   |
| 1217. |         | Cucumis myriocarpus subsp. myriocarpus                      | Y      |                         |                                   |
| 1218. |         | Curdiea obesa                                               |        |                         |                                   |
| 1219. |         | Cyanicula aperta                                            |        |                         |                                   |
| 1220. |         | Cyanicula gemmata                                           |        |                         |                                   |
| 1221. | 769     | Cyathochaeta clandestina                                    |        |                         |                                   |
| 1222. | 17618   | Cyathochaeta equitans                                       |        |                         |                                   |
| 1223. | 42220   | Cyathostemon ambiguus                                       |        |                         |                                   |
| 1224. | 43962   | Cyathostemon sp. Esperance (A. Fairall 2431)                |        | P1                      |                                   |
| 1225. | 20422   | Cyathostemon tenuifolius                                    |        |                         |                                   |
|       |         | Cycnogeton lineare                                          |        |                         |                                   |
| 1226. |         |                                                             |        |                         |                                   |





|                | Name ID | Species Name                                                  | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|---------------------------------------------------------------|-------------|-------------------|---------------------------------------|
| 1228.          | 6680    | Cynoglossum australe (Australian Hound's-tongue)              |             |                   |                                       |
| 1229.          | 783     | Cyperus congestus (Dense Flat-sedge)                          | Υ           |                   |                                       |
| 1230.          | 801     | Cyperus laevigatus                                            | Υ           |                   |                                       |
| 1231.          | 815     | Cyperus tenellus (Tiny Flatsedge)                             | Υ           |                   |                                       |
| 1232.          | 2779    | Cypselocarpus haloragoides                                    |             |                   |                                       |
| 1233.          | 10964   | Cyrtostylis robusta                                           |             |                   |                                       |
| 1234.          | 10942   | Cyrtostylis tenuissima                                        |             |                   |                                       |
| 1235.          | 287     | Dactylis glomerata (Cocksfoot)                                | Υ           |                   |                                       |
| 1236.          | 7431    | Dampiera decurrens                                            |             | P2                |                                       |
| 1237.          | 7439    | Dampiera fasciculata (Bundled-leaf Dampiera)                  |             |                   |                                       |
| 1238.          |         | Dampiera parvifolia (Many-bracted Dampiera)                   |             |                   |                                       |
| 1239.          |         | Dampiera sacculata (Pouched Dampiera)                         |             |                   |                                       |
| 1240.          |         | Dampiera sericantha                                           |             | P3                |                                       |
| 1241.          |         | Dampiera triloba                                              |             | P3                |                                       |
| 1242.          |         | Darwinia diosmoides                                           |             |                   |                                       |
| 1243.          |         | Darwinia sp. Gibson (R.D. Royce 3569)                         |             | P1                |                                       |
| 1244.          |         | Darwinia sp. Karonie (K. Newbey 8503)                         |             |                   |                                       |
| 1245.          |         | Darwinia sp. Ravensthorpe (G.J. Keighery 8030)                |             |                   |                                       |
| 1246.          |         | Darwinia vestita (Pom-pom Darwinia)                           |             |                   |                                       |
| 1247.          |         | Dasya baldockii                                               |             |                   |                                       |
| 1248.          |         | Dasya clavigera                                               |             |                   |                                       |
| 1249.<br>1250. |         | Dasya crinita                                                 |             |                   | Y                                     |
|                |         |                                                               |             |                   | Y                                     |
| 1251.          |         | Dasya elongata                                                |             |                   |                                       |
| 1252.<br>1253. |         | Dasya extensa Dasya villosa                                   |             |                   |                                       |
| 1253.          |         | Daucus glochidiatus (Australian Carrot)                       |             |                   |                                       |
| 1255.          |         | Daviesia apiculata                                            |             |                   |                                       |
| 1256.          |         | Daviesia incrassata subsp. reversifolia                       |             |                   |                                       |
| 1257.          |         | Daviesia Incidosia Subsp. Teversirolia  Daviesia Incifolia    |             |                   |                                       |
| 1258.          |         | Daviesia major                                                |             |                   |                                       |
| 1259.          |         | Daviesia nematophylla                                         |             |                   |                                       |
| 1260.          |         | Daviesia pauciflora                                           |             | P3                |                                       |
| 1261.          |         | Daviesia teretifolia                                          |             |                   |                                       |
| 1262.          |         | Delisea hypneoides                                            |             |                   |                                       |
| 1263.          |         | Delisea pulchra                                               |             |                   |                                       |
| 1264.          |         | Desmocladus flexuosus                                         |             |                   |                                       |
| 1265.          | 46362   | Desmocladus lateriflorus                                      |             |                   |                                       |
| 1266.          | 299     | Deyeuxia quadriseta (Reed Bentgrass)                          |             |                   |                                       |
| 1267.          | 16326   | Dianella brevicaulis                                          |             |                   |                                       |
| 1268.          | 6616    | Dichondra repens (Kidney Weed)                                |             |                   |                                       |
| 1269.          | 26761   | Dictyomenia harveyana                                         |             |                   |                                       |
| 1270.          | 26762   | Dictyomenia sonderi                                           |             |                   |                                       |
| 1271.          | 26770   | Dictyosphaeria sericea                                        |             |                   |                                       |
| 1272.          | 32346   | Didymodon torquatus                                           |             |                   |                                       |
| 1273.          | 38260   | Dielsiodoxa oligarrhenoides                                   |             |                   |                                       |
| 1274.          | 3864    | Dillwynia divaricata                                          |             |                   |                                       |
| 1275.          |         | Dillwynia uncinata (Silky Parrot Pea)                         |             |                   |                                       |
| 1276.          |         | Diplotaxis tenuifolia (Sand Rocket)                           | Υ           |                   |                                       |
| 1277.          |         | Dipogon lignosus (Dolichos Pea)                               | Υ           |                   |                                       |
| 1278.          |         | Disa bracteata                                                | Y           |                   |                                       |
| 1279.          |         | Dischisma arenarium                                           | Y           |                   |                                       |
| 1280.          |         | Disphyma crassifolium subsp. clavellatum                      |             |                   |                                       |
| 1281.          |         | Dittrichia graveolens (Stinkwort)                             | Y           |                   |                                       |
| 1282.          |         | Diuris concinna                                               |             |                   |                                       |
| 1283.          |         | Diuris conspicillata                                          |             |                   | Υ                                     |
| 1284.          |         | Diuris decrementa                                             |             |                   | V                                     |
| 1285.          |         | Diuris immaculata                                             |             |                   | Υ                                     |
| 1286.<br>1287  |         | Diuris laxiflora (Bee Orchid)                                 |             |                   |                                       |
| 1287.<br>1288. |         | Diuris littoralis                                             |             |                   |                                       |
| 1288.          |         | Diuris pulchella  Dodonaea caespitosa                         |             |                   |                                       |
| 1289.          |         | Dodonaea caespitosa<br>Dodonaea ceratocarpa                   |             |                   |                                       |
| 1290.          |         |                                                               |             |                   |                                       |
| 1291.<br>1292. |         | Doxodasya bolbochaete Doxodasya lanuginosa                    |             |                   |                                       |
| 1292.          |         | Doxodasya lanuginosa Drakaea glyptodon (King-in-his-carriage) |             |                   |                                       |
| 1293.<br>1294. |         | Drakaea gryptodon (king-in-nis-carnage)  Drosera australis    |             |                   |                                       |
| 1294.          |         | Drosera drummondii                                            |             |                   |                                       |
| 1295.          |         | Drosera drummondii  Drosera glanduligera (Pimpernel Sundew)   |             |                   |                                       |
| 1297.          |         | Drosera huegelii (Bold Sundew)                                |             |                   |                                       |
|                | 2.02    |                                                               | Department  | of Biodiversity,  | WESTERN                               |







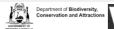
|                | Name ID | Species Name                                                          | Natural | ised Conservation Code | <sup>1</sup> Endemic To Qu<br>Area |
|----------------|---------|-----------------------------------------------------------------------|---------|------------------------|------------------------------------|
| 1298.          | 3105    | Drosera leucoblasta (Wheel Sundew)                                    |         |                        |                                    |
| 1299.          | 3109    | Drosera menziesii (Pink Rainbow)                                      |         |                        |                                    |
| 1300.          | 3113    | Drosera neesii (Jewel Rainbow)                                        |         |                        |                                    |
| 1301.          | 3114    | Drosera nitidula (Shining Sundew)                                     |         |                        |                                    |
| 1302.          | 3128    | Drosera ramellosa (Branched Sundew)                                   |         |                        |                                    |
| 1303.          | 13227   | Drosera sargentii                                                     |         |                        | Υ                                  |
| 1304.          | 3130    | Drosera scorpioides (Shaggy Sundew)                                   |         |                        |                                    |
| 1305.          | 49090   | Drosera sp. Branched styles (S.C. Coffey 193)                         |         |                        |                                    |
| 1306.          | 48708   | Drosera trichocaulis                                                  |         |                        |                                    |
| 1307.          | 3135    | Drosera zonaria (Painted Sundew)                                      |         |                        |                                    |
| 1308.          | 33501   | Dysphania cristata (Crested Goosefoot)                                |         |                        |                                    |
| 1309.          | 33480   | Dysphania pumilio (Clammy Goosefoot)                                  |         |                        |                                    |
| 1310.          | 32351   | Eccremidium pulchellum                                                |         |                        |                                    |
| 1311.          | 26803   | Echinothamnion hystrix                                                |         |                        |                                    |
| 1312.          | 347     | Ehrharta calycina (Perennial Veldt Grass)                             | Υ       |                        |                                    |
| 1313.          | 349     | Ehrharta longiflora (Annual Veldt Grass)                              | Y       |                        |                                    |
| 1314.          |         | Ehrharta sp.                                                          |         |                        |                                    |
| 1315.          | 822     | Eleocharis acuta (Common Spikerush)                                   |         |                        |                                    |
| 1316.          | 831     | Eleocharis sphacelata (Tall Spikerush, Djabren)                       |         |                        |                                    |
| 1317.          | 1643    | Elythranthera brunonis (Purple Enamel Orchid)                         |         |                        |                                    |
| 1318.          | 1644    | Elythranthera emarginata (Pink Enamel Orchid)                         |         |                        |                                    |
| 1319.          | 1645    | Epiblema grandiflorum (Babe-in-a-cradle)                              |         |                        |                                    |
| 1320.          | 11570   | Epilobium billardiereanum subsp. billardiereanum (Smooth Willow Herb) |         |                        |                                    |
| 1321.          | 374     | Eragrostis cilianensis (Stinkgrass)                                   | Y       |                        |                                    |
| 1322.          |         | Eragrostis curvula (African Lovegrass)                                | Υ       |                        |                                    |
| 1323.          | 7180    | Eremophila alternifolia (Poverty Bush)                                |         |                        |                                    |
| 1324.          | 7264    | Eremophila saligna (Willowy Eremophila)                               |         |                        |                                    |
| 1325.          | 14633   | Eremophila subfloccosa subsp. glandulosa                              |         |                        |                                    |
| 1326.          | 1646    | Eriochilus dilatatus (White Bunny Orchid)                             |         |                        |                                    |
| 1327.          | 15413   | Eriochilus dilatatus subsp. undulatus                                 |         |                        |                                    |
| 1328.          | 13866   | Eriochilus pulchellus                                                 |         |                        |                                    |
| 1329.          | 4333    | Erodium cicutarium (Common Storksbill)                                | Y       |                        |                                    |
| 1330.          | 4336    | Erodium moschatum (Musky Crowfoot)                                    | Y       |                        |                                    |
| 1331.          | 26821   | Erythroclonium muelleri                                               |         |                        |                                    |
| 1332.          | 26823   | Erythroclonium sonderi                                                |         |                        |                                    |
| 1333.          | 5550    | Eucalyptus angulosa (Ridge-fruited Mallee, Kwararl)                   |         |                        |                                    |
| 1334.          | 19508   | Eucalyptus calycogona subsp. calycogona                               |         |                        |                                    |
| 1335.          | 13518   | Eucalyptus captiosa                                                   |         |                        |                                    |
| 1336.          | 5597    | Eucalyptus conferruminata (Bald Island Marlock)                       |         |                        |                                    |
| 1337.          | 33520   | Eucalyptus conferruminata subsp. recherche                            |         |                        |                                    |
| 1338.          | 20292   | Eucalyptus conglobata subsp. conglobata                               |         |                        |                                    |
| 1339.          |         | Eucalyptus conglobata subsp. perata                                   |         |                        |                                    |
| 1340.          | 5604    | Eucalyptus cooperiana (Many-flowered Mallee, Merrit)                  |         |                        |                                    |
| 1341.          | 5605    | Eucalyptus cornuta (Yate, Yeid)                                       |         |                        |                                    |
| 1342.          | 5611    | Eucalyptus cylindriflora (White Mallee)                               |         |                        |                                    |
| 1343.          | 5616    | Eucalyptus decurva (Slender Mallee)                                   |         |                        |                                    |
| 1344.          | 12870   | Eucalyptus densa                                                      |         |                        |                                    |
| 1345.          | 12869   | Eucalyptus densa subsp. densa                                         |         |                        |                                    |
| 1346.          |         | Eucalyptus dolichorhyncha                                             |         | P4                     |                                    |
| 1347.          |         | Eucalyptus doratoxylon (Spearwood Mallee, Keidjngund)                 |         |                        |                                    |
| 1348.          |         | Eucalyptus eremophila (Tall Sand Mallee)                              |         |                        |                                    |
| 1349.          |         | Eucalyptus extensa                                                    |         |                        |                                    |
| 1350.          |         | Eucalyptus famelica                                                   |         | P3                     |                                    |
| 1351.          |         | Eucalyptus flocktoniae (Merrit, Merid)                                |         |                        |                                    |
| 1352.          |         | Eucalyptus foliosa                                                    |         | P3                     |                                    |
| 1353.          |         | Eucalyptus forrestiana (Fuchsia Gum)                                  |         |                        |                                    |
| 1354.          |         | Eucalyptus fraseri subsp. fraseri                                     |         |                        |                                    |
| 1355.          |         | Eucalyptus globulus                                                   | Y       |                        |                                    |
| 1356.          |         | Eucalyptus gomphocephala (Tuart, Duart)                               |         |                        |                                    |
| 1357.          |         | Eucalyptus incrassata (Lerp Mallee)                                   |         |                        |                                    |
| 1358.          |         | Eucalyptus kessellii                                                  |         |                        |                                    |
| 1359.          |         | Eucalyptus kessellii subsp. eugnosta                                  |         |                        |                                    |
| 1360.          | 5695    | Eucalyptus leptocalyx (Hopetoun Mallee)                               |         |                        |                                    |
| 1361.          | 19811   | Eucalyptus leptocalyx subsp. leptocalyx                               |         |                        |                                    |
| 1362.          | 12696   | Eucalyptus litorea                                                    |         | P2                     |                                    |
| 1363.          | 5704    | Eucalyptus macrandra (Long-flowered Marlock, Dwed)                    |         |                        |                                    |
| 1364.          | 5712    | Eucalyptus merrickiae (Goblet Mallee)                                 |         | Т                      |                                    |
|                | 5713    | Eucalyptus micranthera (Alexander River Mallee)                       |         |                        |                                    |
| 1365.          |         |                                                                       |         |                        |                                    |
| 1365.<br>1366. |         | Eucalyptus misella                                                    |         | P1                     |                                    |







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|----------------|---------|--------------------------------------------------------------------|-------------|-------------------|---------------------------------------|
| 1368.          | 5745    | Eucalyptus pileata (Capped Mallee)                                 |             |                   | Alou                                  |
| 1369.          | 18551   | Eucalyptus platypus subsp. platypus                                |             |                   |                                       |
| 1370.          | 16180   | Eucalyptus pleurocarpa                                             |             |                   |                                       |
| 1371.          | 15068   | Eucalyptus preissiana subsp. lobata                                |             | P4                |                                       |
| 1372.          |         | Eucalyptus quadrans                                                |             |                   |                                       |
| 1373.          |         | Eucalyptus rigens (Saltlake Mallee)                                |             |                   |                                       |
| 1374.          |         | Eucalyptus salubris (Gimlet)                                       |             |                   |                                       |
| 1375.          |         | Eucalyptus scyphocalyx (Goblet Mallee)                             |             | P3                |                                       |
| 1376.<br>1377. | 13014   | Eucalyptus semiglobosa Eucalyptus sp.                              |             | P3                |                                       |
| 1378.          | 41523   | Eucalyptus sp. Southern Wheatbelt (D. Nicolle & M. French DN 5507) |             |                   |                                       |
| 1379.          |         | Eucalyptus sporadica                                               |             |                   |                                       |
| 1380.          |         | Eucalyptus suggrandis subsp. suggrandis                            |             |                   |                                       |
| 1381.          | 13027   | Eucalyptus tenera                                                  |             |                   |                                       |
| 1382.          | 5788    | Eucalyptus tetraptera (Four-winged Mallee)                         |             |                   |                                       |
| 1383.          | 12889   | Eucalyptus tumida                                                  |             |                   |                                       |
| 1384.          | 5796    | Eucalyptus uncinata (Hook-leaved Mallee)                           |             |                   |                                       |
| 1385.          | 18085   | Eucalyptus utilis                                                  |             |                   |                                       |
| 1386.          | 15808   | Eucalyptus valens                                                  |             |                   |                                       |
| 1387.          |         | Eucalyptus varia                                                   |             |                   |                                       |
| 1388.          |         | Eucalyptus varia subsp. salsuginosa                                |             |                   |                                       |
| 1389.          |         | Eucalyptus varia subsp. varia                                      |             |                   |                                       |
| 1390.<br>1391. |         | Eucalyptus x erythrandra  Fucalyptus x missilis                    |             | P4                |                                       |
| 1392.          |         | Eucalyptus x missilis Euchiton sphaericus                          |             | F4                |                                       |
| 1393.          |         | Euphorbia paralias (Sea Spurge)                                    | Υ           |                   |                                       |
| 1394.          |         | Euphorbia peplus (Petty Spurge)                                    | Υ           |                   |                                       |
| 1395.          |         | Euphorbia segetalis (Shortstemmed Carnation Weed)                  | Υ           |                   | Υ                                     |
| 1396.          |         | Euphorbia terracina (Geraldton Carnation Weed)                     | Υ           |                   |                                       |
| 1397.          | 11271   | Euphrasia collina subsp. tetragona                                 |             |                   |                                       |
| 1398.          | 26830   | Euptilota articulata                                               |             |                   |                                       |
| 1399.          | 37740   | Eutaxia inuncta                                                    |             |                   |                                       |
| 1400.          | 20214   | Eutaxia myrtifolia                                                 |             |                   |                                       |
| 1401.          |         | Eutaxia parvifolia                                                 |             |                   |                                       |
| 1402.          |         | Exocarpos sparteus (Broom Ballart, Djuk)                           |             |                   |                                       |
| 1403.          |         | Fabronia hampeana                                                  | V           | P2                |                                       |
| 1404.<br>1405. |         | Fallopia convolvulus Ficinia nodosa (Knotted Club Rush)            | Υ           |                   |                                       |
| 1406.          |         | Frankenia pauciflora (Seaheath)                                    |             |                   |                                       |
| 1407.          |         | Frankenia tetrapetala (Four Petaled Frankenia)                     |             |                   |                                       |
| 1408.          |         | Franklandia fucifolia (Lanoline Bush)                              |             |                   |                                       |
| 1409.          |         | Gahnia ancistrophylla (Hooked-leaf Saw Sedge)                      |             |                   |                                       |
| 1410.          | 16249   | Gahnia sp. Headland (G.J. Keighery 8501)                           |             |                   |                                       |
| 1411.          | 43205   | Gahnia sp. South West (K.L. Wilson & K. Frank KLW 9266)            |             |                   |                                       |
| 1412.          | 907     | Gahnia trifida (Coast Saw-sedge)                                   |             |                   |                                       |
| 1413.          | 17348   | Galium aparine (Goosegrass)                                        | Υ           |                   |                                       |
| 1414.          |         | Galium murale (Small Goosegrass)                                   | Υ           |                   |                                       |
| 1415.          |         | Gastrolobium bilobum (Heart Leaf Poison)                           |             |                   |                                       |
| 1416.          |         | Gastrolobium discolor                                              |             |                   |                                       |
| 1417.          |         | Gastrolohium heterophyllum                                         |             |                   |                                       |
| 1418.          |         | Gastrolobium latifolium Gastrolobium musaceum                      |             |                   |                                       |
| 1419.<br>1420. |         | Gastrolobium musaceum Gastrolobium parviflorum                     |             |                   |                                       |
| 1421.          |         | Gastrolobium punctatum                                             |             |                   |                                       |
| 1422.          |         | Gastrolobium spinosum (Prickly Poison)                             |             |                   |                                       |
| 1423.          |         | Gazania linearis                                                   | Υ           |                   |                                       |
| 1424.          |         | Gelinaria ulvoidea                                                 |             |                   |                                       |
| 1425.          | 4341    | Geranium solanderi (Native Geranium)                               |             |                   |                                       |
| 1426.          | 1518    | Gladiolus angustus (Long Tubed Painted Lady)                       | Υ           |                   |                                       |
| 1427.          | 33620   | Glischrocaryon angustifolium                                       |             |                   |                                       |
| 1428.          |         | Glischrocaryon aureum (Common Popflower)                           |             |                   |                                       |
| 1429.          |         | Glischrocaryon roei                                                |             |                   |                                       |
| 1430.          |         | Gloiocladia australe                                               |             |                   |                                       |
| 1431.          |         | Gloiocladia halymenioides                                          |             |                   |                                       |
| 1432.          |         | Gloiosaccion brownii  Graphalium indutum (Tiny Cudwood)            |             |                   |                                       |
| 1433.<br>1434. |         | Gnaphalium indutum (Tiny Cudweed) Gnephosis drummondii             |             |                   |                                       |
| 1434.          |         | Gnephosis tridens                                                  |             |                   |                                       |
| 1436.          |         | Gomphocarpus fruticosus (Narrowleaf Cottonbush)                    | Υ           |                   |                                       |
| 1437.          |         | Gompholobium baxteri                                               | ·           |                   |                                       |
|                |         |                                                                    | Department  | of Biodiversity,  | WESTERN                               |







|                | Name ID | Species Name                                                     | Naturalise | ed Conservation Code       | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|------------------------------------------------------------------|------------|----------------------------|---------------------------------------|
| 1438.          |         | Gompholobium confertum                                           |            |                            |                                       |
| 1439.          |         | Gompholobium knightianum                                         |            |                            |                                       |
| 1440.          |         | Gompholobium marginatum                                          |            |                            |                                       |
| 1441.<br>1442. |         | Gompholobium polymorphum Gompholobium scabrum                    |            |                            |                                       |
| 1443.          |         | Gompholobium tomentosum (Hairy Yellow Pea)                       |            |                            |                                       |
| 1444.          |         | Gonocarpus pycnostachyus                                         |            | P3                         |                                       |
| 1445.          |         | Gonocarpus scordioides                                           |            | 10                         |                                       |
| 1446.          |         | Goodenia affinis (Silver Goodenia)                               |            |                            |                                       |
| 1447.          |         | Goodenia concinna (Elegant Goodenia)                             |            |                            |                                       |
| 1448.          | 7503    | Goodenia decursiva                                               |            |                            |                                       |
| 1449.          | 7517    | Goodenia incana (Hoary Goodenia)                                 |            |                            |                                       |
| 1450.          | 12551   | Goodenia micrantha                                               |            |                            |                                       |
| 1451.          | 7537    | Goodenia pterigosperma                                           |            |                            |                                       |
| 1452.          | 7542    | Goodenia quadrilocularis                                         |            | P2                         |                                       |
| 1453.          |         | Goodenia scapigera subsp. scapigera                              |            |                            |                                       |
| 1454.          |         | Goodenia viscida (Viscid Goodenia)                               |            |                            |                                       |
| 1455.          |         | Gracilaria cliftonii                                             |            | D.                         |                                       |
| 1456.<br>1457. |         | Grevillea baxteri (Cape Arid Grevillea) Grevillea disjuncta      |            | P4                         |                                       |
| 1457.          |         | Grevillea huegelii                                               |            |                            |                                       |
| 1459.          |         | Grevillea niuegelii<br>Grevillea oligantha                       |            |                            |                                       |
| 1460.          |         | Grevillea pectinata (Comb-leaved Grevillea)                      |            |                            |                                       |
| 1461.          |         | Grevillea plurijuga subsp. superba                               |            |                            |                                       |
| 1462.          |         | Griffithsia balara                                               |            |                            | Υ                                     |
| 1463.          | 26883   | Griffithsia monilis                                              |            |                            |                                       |
| 1464.          | 26886   | Griffithsia teges                                                |            |                            |                                       |
| 1465.          | 32386   | Grimmia laevigata                                                |            |                            |                                       |
| 1466.          | 5011    | Guichenotia ledifolia                                            |            |                            |                                       |
| 1467.          |         | Guichenotia micrantha (Small Flowered Guichenotia)               |            |                            |                                       |
| 1468.          |         | Gunniopsis glabra                                                |            |                            |                                       |
| 1469.          |         | Gyrostemon sheathii                                              |            |                            |                                       |
| 1470.          |         | Haemodorum brevisepalum                                          |            |                            |                                       |
| 1471.<br>1472. |         | Haemodorum spicatum (Mardja) Hakea adnata                        |            |                            |                                       |
| 1473.          |         | Hakea cinerea (Ashy Hakea)                                       |            |                            |                                       |
| 1474.          |         | Hakea clavata (Coastal Hakea)                                    |            |                            |                                       |
| 1475.          |         | Hakea corymbosa (Cauliflower Hakea)                              |            |                            |                                       |
| 1476.          |         | Hakea denticulata                                                |            |                            |                                       |
| 1477.          | 12227   | Hakea drupacea                                                   |            |                            |                                       |
| 1478.          | 2160    | Hakea ferruginea                                                 |            |                            |                                       |
| 1479.          | 2171    | Hakea laurina (Pincushion Hakea, Kodjet)                         |            |                            |                                       |
| 1480.          | 2175    | Hakea lissocarpha (Honey Bush)                                   |            |                            |                                       |
| 1481.          | 2187    | Hakea nitida (Frog Hakea)                                        |            |                            |                                       |
| 1482.          |         | Hakea obliqua (Needles and Corks)                                |            |                            |                                       |
| 1483.          |         | Hakea obliqua subsp. obliqua                                     |            |                            |                                       |
| 1484.          |         | Hakea pandanicarpa                                               |            |                            |                                       |
| 1485.          |         | Hakea pandanicarpa subsp. pandanicarpa                           |            |                            |                                       |
| 1486.<br>1487. |         | Hakea prostrata (Harsh Hakea)  Hakea ruscifolia (Candle Hakea)   |            |                            |                                       |
| 1488.          |         | Hakea sulcata (Furrowed Hakea)                                   |            |                            |                                       |
| 1489.          |         | Hakea trifurcata (Two-leaf Hakea)                                |            |                            |                                       |
| 1490.          |         | Hakea varia (Variable-leaved Hakea)                              |            |                            |                                       |
| 1491.          |         | Hakea victoria (Royal Hakea, Dalyongurd)                         |            |                            |                                       |
| 1492.          | 6684    | Halgania andromedifolia                                          |            |                            |                                       |
| 1493.          | 161     | Halophila australis                                              |            |                            |                                       |
| 1494.          | 26900   | Haloplegma preissii                                              |            |                            |                                       |
| 1495.          | 6171    | Haloragis digyna                                                 |            |                            |                                       |
| 1496.          |         | Halydictyon arachnoideum                                         |            |                            |                                       |
| 1497.          |         | Halymenia harveyana                                              |            |                            |                                       |
| 1498.          |         | Helianthus annuus (Sunflower, Common Sunflower)                  | Y          |                            |                                       |
| 1499.          |         | Heliophila pusilla                                               | Υ          |                            |                                       |
| 1500.          |         | Heliotropium curassavicum (Smooth Heliotrope)                    | V          |                            |                                       |
| 1501.<br>1502  |         | Heliotropium europaeum (Common Heliotrope) Helminthora australis | Y          |                            |                                       |
| 1502.<br>1503. |         | Hemarthria uncinata (Matgrass)                                   |            |                            |                                       |
| 1504.          |         | Hemarthria uncinata var. uncinata                                |            |                            |                                       |
| 1505.          |         | Hemichroa pentandra (Trailing Jointweed)                         |            |                            |                                       |
| 1506.          |         | Hennedya crispa                                                  |            |                            |                                       |
| 1507.          |         | Heterosiphonia gunniana                                          |            |                            |                                       |
|                |         |                                                                  | Land De    | epartment of Biodiversity, | MESTERN                               |







|                | Name ID | Species Name                                                        | Naturalised | Conservation Code  | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|---------------------------------------------------------------------|-------------|--------------------|---------------------------------------|
| 1508.          | 26936   | Heterosiphonia muelleri                                             |             |                    |                                       |
| 1509.          | 26938   | Heterosiphonia wrangelioides                                        |             |                    |                                       |
| 1510.          | 5108    | Hibbertia acerosa (Needle Leaved Guinea Flower)                     |             |                    |                                       |
| 1511.          | 5110    | Hibbertia andrewsiana                                               |             |                    |                                       |
| 1512.          |         | Hibbertia cuneiformis (Cutleaf Hibbertia)                           |             |                    |                                       |
| 1513.          |         | Hibbertia eatoniae                                                  |             |                    |                                       |
| 1514.          |         | Hibbertia gracilipes                                                |             |                    |                                       |
| 1515.          |         | Hibbertia hemignosta Hibbertia hibbertioides var. meridionalis      |             |                    |                                       |
| 1516.<br>1517. |         | Hibbertia lineata                                                   |             |                    |                                       |
| 1518.          |         | Hibbertia oligantha                                                 |             |                    |                                       |
| 1519.          |         | Hibbertia psilocarpa                                                |             |                    |                                       |
| 1520.          |         | Hibbertia racemosa (Stalked Guinea Flower)                          |             |                    |                                       |
| 1521.          |         | Hibbertia sp.                                                       |             |                    |                                       |
| 1522.          | 5173    | Hibbertia subvaginata                                               |             |                    |                                       |
| 1523.          | 20036   | Hibbertia turleyana                                                 |             | P2                 | Υ                                     |
| 1524.          | 19433   | Hibbertia ulicifolia                                                |             |                    |                                       |
| 1525.          | 13773   | Hopkinsia adscendens                                                |             | P3                 |                                       |
| 1526.          | 449     | Hordeum leporinum (Barley Grass)                                    | Υ           |                    |                                       |
| 1527.          |         | Hornungia procumbens                                                | Υ           |                    |                                       |
| 1528.          |         | Hovea pungens (Devil's Pins, Puyenak)                               |             |                    |                                       |
| 1529.          |         | Hovea trisperma (Common Hovea)                                      |             |                    |                                       |
| 1530.<br>1531. |         | Hydrocotyle alata                                                   |             |                    |                                       |
| 1531.          |         | Hydrocotyle alata Hydrocotyle medicaginoides (Trefoil Pennywort)    |             |                    |                                       |
| 1533.          |         | Hymenena multipartita                                               |             |                    |                                       |
| 1534.          |         | Hymenocladia dactyloides                                            |             |                    |                                       |
| 1535.          |         | Hymenocladia usnea                                                  |             |                    |                                       |
| 1536.          |         | Hyparrhenia hirta (Tambookie Grass)                                 | Υ           |                    |                                       |
| 1537.          | 26971   | Hypnea ramentacea                                                   |             |                    |                                       |
| 1538.          | 26973   | Hypnea valentiae                                                    |             |                    |                                       |
| 1539.          | 5827    | Hypocalymma strictum                                                |             |                    |                                       |
| 1540.          | 8086    | Hypochaeris glabra (Smooth Catsear)                                 | Υ           |                    |                                       |
| 1541.          |         | Hypochaeris radicata (Flat Weed, Cats-ear)                          | Υ           |                    |                                       |
| 1542.          |         | Hypolaena exsulca                                                   |             |                    |                                       |
| 1543.          |         | Hypolaena fastigiata                                                |             |                    |                                       |
| 1544.<br>1545. |         | Hypolaena humilis<br>Isolepis cernua (Nodding Club-rush)            |             |                    |                                       |
| 1546.          |         | Isolepis cyperoides                                                 |             |                    |                                       |
| 1547.          |         | Isolepis marginata (Coarse Club-rush)                               |             |                    |                                       |
| 1548.          |         | Isopogon alcicornis (Elkhorn Coneflower)                            |             | P3                 |                                       |
| 1549.          | 16880   | Isopogon formosus subsp. formosus                                   |             |                    |                                       |
| 1550.          | 2234    | Isopogon polycephalus (Clustered Coneflower)                        |             |                    |                                       |
| 1551.          | 2240    | Isopogon trilobus (Barrel Coneflower)                               |             |                    |                                       |
| 1552.          |         | Isotoma scapigera (Long-scaped Isotome)                             |             |                    |                                       |
| 1553.          |         | Isotropis cuneifolia (Granny Bonnets)                               |             |                    |                                       |
| 1554.          |         | Isotropis drummondii (Lamb Poison)                                  |             |                    |                                       |
| 1555.          |         | Ixiolaena viscosa (Sticky Ixiolaena)                                |             |                    |                                       |
| 1556.<br>1557. |         | Jacksonia alata Jacksonia capitata                                  |             |                    |                                       |
| 1558.          |         | Jacksonia candensata                                                |             |                    |                                       |
| 1559.          |         | Jacksonia spinosa                                                   |             |                    |                                       |
| 1560.          |         | Jacksonia venosa                                                    |             |                    |                                       |
| 1561.          | 14777   | Jacksonia viscosa                                                   |             |                    |                                       |
| 1562.          | 36141   | Jania pulchella                                                     |             |                    |                                       |
| 1563.          |         | Johnsonia acaulis                                                   |             |                    |                                       |
| 1564.          |         | Juncus acutus (Spiny Rush)                                          | Υ           |                    |                                       |
| 1565.          |         | Juncus acutus subsp. acutus                                         | Y           |                    |                                       |
| 1566.<br>1567  |         | Juncus bufonius (Toad Rush)                                         | Υ           |                    |                                       |
| 1567.<br>1568. |         | Juncus caespiticius (Grassy Rush)  Juncus capitatus (Capitate Rush) | Υ           |                    |                                       |
| 1569.          |         | Juncus kraussii subsp. australiensis                                | ,           |                    |                                       |
| 1570.          |         | Juncus pallidus (Pale Rush)                                         |             |                    |                                       |
| 1571.          |         | Juncus radula                                                       |             |                    |                                       |
| 1572.          | 4035    | Kennedia beckxiana (Cape Arid Kennedia)                             |             | P4                 |                                       |
| 1573.          | 4037    | Kennedia coccinea (Coral Vine)                                      |             |                    |                                       |
| 1574.          |         | Kennedia coccinea subsp. esotera                                    |             |                    |                                       |
| 1575.          |         | Kennedia nigricans (Black Kennedia)                                 |             |                    |                                       |
| 1576.<br>1577. |         | Kennedia prostrata (Scarlet Runner)                                 |             |                    |                                       |
| 1011.          | 4∠000   | Kennedia sp. South coast (T.R. Lally 1576 & I.P. Lally)             | Departmen   | t of Biodiversity, | WESTERN                               |







|                | Name ID | Species Name                                                           | Naturalised | Conservation Code  | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|------------------------------------------------------------------------|-------------|--------------------|---------------------------------------|
| 1578.          |         | Kuetzingia canaliculata                                                |             |                    |                                       |
| 1579.          | 5830    | Kunzea affinis                                                         |             |                    |                                       |
| 1580.          |         | Kunzea baxteri (Baxter's Kunzea)                                       |             |                    |                                       |
| 1581.          |         | Kunzea preissiana                                                      |             |                    |                                       |
| 1582.          |         | Kunzea salina                                                          |             | P3                 |                                       |
| 1583.          |         | Labichea lanceolata subsp. brevifolia                                  |             |                    |                                       |
| 1584.          |         | Lagurus ovatus (Hare's Tail Grass)                                     | Y           | -                  |                                       |
| 1585.          |         | Lambertia echinata subsp. echinata                                     |             | Т                  |                                       |
| 1586.<br>1587. |         | Lambertia inermis (Chittick, Djidiok)                                  |             |                    |                                       |
| 1587.          |         | Lambertia inermis var. drummondii Lambertia inermis var. inermis       |             |                    |                                       |
| 1589.          |         | Lasiopetalum discolor                                                  |             |                    |                                       |
| 1590.          |         | Lasiopetalum indutum                                                   |             |                    |                                       |
| 1591.          |         | Lasiopetalum rosmarinifolium                                           |             |                    |                                       |
| 1592.          |         | Lasiopetalum sp. Mt Ragged (T.E.H. Aplin 4349)                         |             |                    |                                       |
| 1593.          | 26997   | Laurencia arbuscula                                                    |             |                    |                                       |
| 1594.          | 26998   | Laurencia brongniartii                                                 |             |                    |                                       |
| 1595.          | 48408   | Laurencia dendroidea                                                   |             |                    |                                       |
| 1596.          | 27000   | Laurencia elata                                                        |             |                    |                                       |
| 1597.          | 27001   | Laurencia filiformis                                                   |             |                    |                                       |
| 1598.          | 27002   | Laurencia forsteri                                                     |             |                    |                                       |
| 1599.          | 4954    | Lawrencia diffusa                                                      |             |                    |                                       |
| 1600.          |         | Lawrencia spicata                                                      |             |                    |                                       |
| 1601.          |         | Lawrencia squamata                                                     |             |                    |                                       |
| 1602.          |         | Laxmannia brachyphylla (Stilted Paper-lily)                            |             |                    |                                       |
| 1603.          |         | Laxmannia minor                                                        |             |                    |                                       |
| 1604.          |         | Laxmannia omnifertilis                                                 |             |                    |                                       |
| 1605.          |         | Laxmannia ramosa (Branching Lily)                                      |             |                    |                                       |
| 1606.          |         | Laxmannia ramosa subsp. deflexa                                        |             |                    |                                       |
| 1607.<br>1608. |         | Lechenaultia formosa (Red Leschenaultia)                               |             |                    |                                       |
| 1609.          |         | Lechenaultia tubiflora (Heath Leschenaultia) Lemna disperma (Duckweed) |             |                    |                                       |
| 1610.          |         | Lenormandia latifolia                                                  |             |                    |                                       |
| 1611.          |         | Lenormandia muelleri                                                   |             |                    |                                       |
| 1612.          |         | Lenormandia spectabilis                                                |             |                    |                                       |
| 1613.          |         | Leontodon saxatilis (Hairy Hawkbit)                                    | Υ           |                    |                                       |
| 1614.          | 3018    | Lepidium africanum (Rubble Peppercress)                                | Υ           |                    |                                       |
| 1615.          | 3021    | Lepidium bonariense (Peppercress)                                      | Υ           |                    |                                       |
| 1616.          | 3026    | Lepidium fasciculatum (Bundled Peppercress)                            |             | P3                 |                                       |
| 1617.          | 3027    | Lepidium foliosum (Leafy Peppercress)                                  |             |                    |                                       |
| 1618.          | 3044    | Lepidium rotundum (Veined Peppercress)                                 |             |                    |                                       |
| 1619.          |         | Lepidobolus chaetocephalus (Bristle-headed Chaff Rush)                 |             |                    |                                       |
| 1620.          |         | Lepidobolus preissianus                                                |             |                    |                                       |
| 1621.          |         | Lepidosperma gladiatum (Coast Sword-sedge, Kerbin)                     |             |                    |                                       |
| 1622.          |         | Lepidosperma leptostachyum                                             |             |                    |                                       |
| 1623.<br>1624. | 939     | Lepidosperma pruinosum Lepidosperma sp.                                |             |                    |                                       |
| 1625.          | 945     | Lepidosperma squamatum                                                 |             |                    |                                       |
| 1626.          |         | Lepidosperma tenue                                                     |             |                    |                                       |
| 1627.          |         | Lepidosperma tuberculatum                                              |             |                    |                                       |
| 1628.          |         | Leporella fimbriata (Hare Orchid)                                      |             |                    |                                       |
| 1629.          |         | Leptocarpus coangustatus                                               |             |                    |                                       |
| 1630.          | 46381   | Leptocarpus crebriculmis                                               |             |                    |                                       |
| 1631.          | 2347    | Leptomeria lehmannii                                                   |             |                    |                                       |
| 1632.          | 2349    | Leptomeria pachyclada                                                  |             |                    |                                       |
| 1633.          |         | Leptomeria pauciflora (Sparse-flowered Currant Bush)                   |             |                    |                                       |
| 1634.          |         | Leptospermum incanum                                                   |             |                    |                                       |
| 1635.          |         | Leptospermum laevigatum (Coast Teatree)                                | Υ           |                    |                                       |
| 1636.          |         | Leptospermum maxwellii                                                 |             |                    |                                       |
| 1637.          |         | Leptospermum oligandrum                                                |             |                    |                                       |
| 1638.          |         | Leptospermum spinoscops                                                |             |                    |                                       |
| 1639.<br>1640. |         | Leptospermum spinescens Lepyrodia macra (Large Scale Rush)             |             |                    |                                       |
| 1641.          |         | Leucophyta brownii                                                     |             |                    |                                       |
| 1642.          |         | Leucopogon apiculatus                                                  |             | P3                 |                                       |
| 1643.          |         | Leucopogon assimilis                                                   |             | 1.5                |                                       |
| 1644.          |         | Leucopogon carinatus                                                   |             |                    |                                       |
| 1645.          |         | Leucopogon concinnus                                                   |             |                    |                                       |
| 1646.          |         | Leucopogon conostephioides                                             |             |                    |                                       |
| 1647.          | 44222   | Leucopogon corymbiformis                                               |             | P2                 |                                       |
|                |         |                                                                        | Departmen   | t of Biodiversity, | MESTERN                               |





|        | Name ID | Species Name                                                  | Naturalised | Conservation Code | <sup>1</sup> Endemic To Q<br>Area |
|--------|---------|---------------------------------------------------------------|-------------|-------------------|-----------------------------------|
| 1648.  | 6383    | Leucopogon cuneifolius                                        |             |                   |                                   |
| 1649.  | 6406    | Leucopogon interruptus                                        |             | P3                |                                   |
| 1650.  | 40940   | Leucopogon obovatus subsp. obovatus                           |             |                   |                                   |
| 1651.  | 6419    | Leucopogon obtusatus                                          |             |                   |                                   |
| 1652.  | 6427    | Leucopogon parviflorus (Coast Beard-heath)                    |             |                   |                                   |
| 1653.  | 6442    | Leucopogon rotundifolius                                      |             | P3                |                                   |
| 1654.  | 14637   | Leucopogon sp. Coujinup (M.A. Burgman 1085)                   |             |                   |                                   |
| 1655.  | 41769   | Leucopogon sp. Lake Magenta (K.R. Newbey 3387)                |             | P1                |                                   |
| 1656.  |         | Leucopogon sp. Mount Heywood (M.A. Burgman 1211)              |             |                   |                                   |
| 1657.  |         | Leucopogon sp. Newdegate (M. Hislop 3585)                     |             |                   |                                   |
| 1658.  |         | Leucopogon woodsii (Nodding Beard-heath)                      |             |                   |                                   |
| 1659.  |         | Levenhookia dubia (Hairy Stylewort)                           |             |                   |                                   |
| 1660.  |         | Levenhookia pauciflora (Deceptive Stylewort)                  |             |                   |                                   |
| 1661.  |         | Levenhookia pusilla (Midget Stylewort)                        |             |                   |                                   |
|        |         |                                                               |             |                   |                                   |
| 1662.  |         | Liagora harveyana                                             |             |                   |                                   |
| 1663.  |         | Linum marginale (Wild Flax)                                   |             |                   |                                   |
| 1664.  |         | Lissanthe rubicunda                                           |             |                   |                                   |
| 1665.  |         | Lobelia anceps (Angled Lobelia)                               |             |                   |                                   |
| 1666.  | 36862   | Lobelia archeri                                               |             | P1                | Υ                                 |
| 1667.  | 7402    | Lobelia gibbosa (Tall Lobelia)                                |             |                   |                                   |
| 1668.  | 7403    | Lobelia heterophylla (Wing-seeded Lobelia)                    |             |                   |                                   |
| 1669.  | 7405    | Lobelia rarifolia                                             |             |                   |                                   |
| 1670.  | 3048    | Lobularia maritima (Sweet Alyssum)                            | Υ           |                   |                                   |
| 1671.  | 6504    | Logania buxifolia                                             |             |                   |                                   |
| 1672.  | 6507    | Logania fasciculata                                           |             |                   |                                   |
| 1673.  | 6509    | Logania micrantha                                             |             |                   |                                   |
| 1674.  |         | Logania perryana                                              |             |                   |                                   |
| 1675.  |         | Logania vaginalis (White Spray)                               |             |                   |                                   |
| 1676.  |         | Lolium Ioliaceum (Stiff Ryegrass)                             | Υ           |                   |                                   |
| 1677.  |         | Lolium rigidum (Wimmera Ryegrass)                             | Y           |                   |                                   |
|        | 470     |                                                               | 1           |                   |                                   |
| 1678.  | 44004   | Lollium sp.                                                   | .,          |                   |                                   |
| 1679.  |         | Lolium temulentum forma temulentum                            | Υ           |                   |                                   |
| 1680.  |         | Lomandra collina (Pale Mat Rush)                              |             |                   |                                   |
| 1681.  |         | Lomandra hastilis                                             |             |                   |                                   |
| 1682.  | 14543   | Lomandra micrantha subsp. teretifolia                         |             |                   |                                   |
| 1683.  | 1233    | Lomandra mucronata                                            |             |                   |                                   |
| 1684.  | 1234    | Lomandra nigricans                                            |             |                   |                                   |
| 1685.  | 1241    | Lomandra rigida (Stiff Mat Rush)                              |             |                   |                                   |
| 1686.  | 15835   | Loxocarya striata                                             |             |                   |                                   |
| 1687.  | 6968    | Lycium ferocissimum (African Boxthorn)                        | Υ           |                   |                                   |
| 1688.  | 1097    | Lyginia barbata                                               |             |                   |                                   |
| 1689.  | 18049   | Lyginia imberbis                                              |             |                   |                                   |
| 1690.  |         | Lysimachia arvensis (Pimpernel)                               | Υ           |                   |                                   |
| 1691.  |         | Lysinema ciliatum (Curry Flower)                              | ·           |                   |                                   |
| 1692.  |         | Lysinema pentapetalum                                         |             |                   |                                   |
| 1693.  |         | Lythrum hyssopifolia (Lesser Loosestrife)                     | Υ           |                   |                                   |
|        |         | Macarthuria apetala                                           | 1           |                   |                                   |
| 1694.  |         | ·                                                             |             |                   |                                   |
| 1695.  |         | Macrothamnion pellucidum                                      |             |                   |                                   |
| 1696.  |         | Macrozamia dyeri                                              |             |                   |                                   |
| 1697.  |         | Maireana erioclada                                            |             |                   |                                   |
| 1698.  |         | Maireana oppositifolia                                        |             |                   |                                   |
| 1699.  | 36480   | Malva arborea (Tree Mallow)                                   | Υ           |                   |                                   |
| 1700.  | 4961    | Malva parviflora (Marshmallow)                                | Υ           |                   |                                   |
| 1701.  | 19421   | Marianthus bicolor (Painted Marianthus)                       |             |                   |                                   |
| 1702.  |         | Marsilea sp.                                                  |             |                   |                                   |
| 1703.  | 4076    | Medicago lupulina (Black Medic)                               | Υ           |                   |                                   |
| 1704.  |         | Medicago polymorpha (Burr Medic)                              | Υ           |                   |                                   |
| 1705.  |         | Medicago sativa (Alfalfa)                                     | Y           |                   |                                   |
| 1706.  |         | Medicago truncatula (Barrel Medic)                            | Y           |                   |                                   |
| 1707.  |         | Melaleuca brevifolia                                          | •           |                   |                                   |
| 1707.  |         | Melaleuca calycina                                            |             |                   |                                   |
|        |         |                                                               |             |                   |                                   |
| 1709.  |         | Melaleuca cuticularis (Saltwater Paperbark)  Melaleuca dometa |             | 50                |                                   |
| 1710.  |         | Melaleuca dempta                                              |             | P3                |                                   |
| 1711.  |         | Melaleuca elliptica (Granite Bottlebrush, Ngow)               |             |                   |                                   |
| 1712.  |         | Melaleuca fulgens subsp. fulgens                              |             |                   |                                   |
| 1713.  |         | Melaleuca glaberrima                                          |             |                   |                                   |
| 1714.  | 5918    | Melaleuca haplantha                                           |             |                   |                                   |
| 1715.  | 13272   | Melaleuca incana subsp. tenella                               |             |                   |                                   |
| 1716.  | 5922    | Melaleuca lanceolata (Rottnest Teatree, Moonah)               |             |                   |                                   |
| 17 10. |         |                                                               |             |                   |                                   |







|                | Name ID | Species Name                                                                                         | Natura | lised Conse                 | rvation Code | <sup>1</sup> Endemic To Query<br>Area |
|----------------|---------|------------------------------------------------------------------------------------------------------|--------|-----------------------------|--------------|---------------------------------------|
| 1718.          |         | Melaleuca pentagona var. latifolia                                                                   |        |                             |              |                                       |
| 1719.          |         | Melaleuca pentagona var. pentagona                                                                   |        |                             |              |                                       |
| 1720.<br>1721. |         | Melaleuca plumea Melaleuca pulchella (Claw Flower)                                                   |        |                             |              |                                       |
| 1722.          |         | Melaleuca scabra (Rough Honeymyrtle, Wurru Bush)                                                     |        |                             |              |                                       |
| 1723.          |         | Melaleuca societatis                                                                                 |        |                             |              |                                       |
| 1724.          | 5971    | Melaleuca striata                                                                                    |        |                             |              |                                       |
| 1725.          | 5973    | Melaleuca suberosa (Corky Honeymyrtle)                                                               |        |                             |              |                                       |
| 1726.          |         | Melaleuca thapsina                                                                                   |        |                             |              |                                       |
| 1727.          |         | Melaleuca thymoides  Melaleuca terrupta                                                              |        |                             |              |                                       |
| 1728.<br>1729. |         | Melaleuca torquata  Melaleuca tuberculata var. macrophylla                                           |        |                             |              |                                       |
| 1730.          |         | Melaleuca undulata (Hidden Honey-myrtle)                                                             |        |                             |              |                                       |
| 1731.          |         | Melaleuca viminea (Mohan)                                                                            |        |                             |              |                                       |
| 1732.          | 15876   | Melaleuca viminea subsp. demissa                                                                     |        |                             |              |                                       |
| 1733.          | 4084    | Melilotus albus                                                                                      | Y      |                             |              |                                       |
| 1734.          |         | Melilotus indicus                                                                                    | Y      |                             |              |                                       |
| 1735.          |         | Mentha pulegium (Pennyroyal)                                                                         | Y      |                             |              |                                       |
| 1736.<br>1737. |         | Mesembryanthemum crystallinum (Iceplant) Mesomelaena stygia                                          | Υ      |                             |              |                                       |
| 1738.          |         | Mesomelaena stygia subsp. stygia                                                                     |        |                             |              |                                       |
| 1739.          |         | Mesomelaena tetragona (Semaphore Sedge)                                                              |        |                             |              |                                       |
| 1740.          |         | Metagoniolithon stelliferum                                                                          |        |                             |              |                                       |
| 1741.          | 27070   | Metamastophora flabellata                                                                            |        |                             |              |                                       |
| 1742.          |         | Microcorys barbata                                                                                   |        |                             |              |                                       |
| 1743.          |         | Microcorys glabra                                                                                    |        |                             |              |                                       |
| 1744.<br>1745. |         | Microcorys subcanescens Microcybe pauciflora subsp. pauciflora                                       |        |                             |              |                                       |
| 1746.          |         | Micromyrtus elobata                                                                                  |        |                             |              |                                       |
| 1747.          |         | Micromyrtus elobata subsp. elobata                                                                   |        |                             |              |                                       |
| 1748.          | 5998    | Micromyrtus imbricata                                                                                |        |                             |              |                                       |
| 1749.          |         | Microtis alboviridis                                                                                 |        |                             |              |                                       |
| 1750.          |         | Microtis atrata (Swamp Mignonette Orchid)                                                            |        |                             |              |                                       |
| 1751.<br>1752. |         | Microtis brownii Microtis familiaris                                                                 |        |                             |              |                                       |
| 1753.          |         | Microtis media (Tall Mignonette Orchid)                                                              |        |                             |              |                                       |
| 1754.          |         | Microtis media subsp. media                                                                          |        |                             |              |                                       |
| 1755.          | 1660    | Microtis orbicularis (Dark Mignonette Orchid)                                                        |        |                             |              |                                       |
| 1756.          | 8106    | Millotia tenuifolia (Soft Millotia)                                                                  |        |                             |              |                                       |
| 1757.          |         | Millotia tenuifolia var. tenuifolia (Soft Millotia)                                                  |        |                             |              |                                       |
| 1758.          |         | Mirbelia dilatata (Holly-leaved Mirbelia)                                                            |        |                             |              |                                       |
| 1759.<br>1760. |         | Mirbelia ovata  Monoculus monstrosus                                                                 | Υ      |                             |              |                                       |
| 1761.          |         | Monotaxis paxii                                                                                      | '      |                             |              |                                       |
| 1762.          |         | Moraea flaccida (One-leaf Cape Tulip)                                                                | Υ      |                             |              |                                       |
| 1763.          | 2412    | Muehlenbeckia adpressa (Climbing Lignum)                                                             |        |                             |              |                                       |
| 1764.          | 27077   | Mychodea aciculare                                                                                   |        |                             |              |                                       |
| 1765.          |         | Mychodea carnosa                                                                                     |        |                             |              |                                       |
| 1766.          |         | Mychodea disticha                                                                                    |        |                             |              |                                       |
| 1767.<br>1768. |         | Myoporum insulare (Blueberry Tree, boobialla)  Myoporum tetrandrum (Boobialla)                       |        |                             |              |                                       |
| 1769.          |         | Myosotis australis (Southern Forget-me-not)                                                          |        |                             | P4           |                                       |
| 1770.          |         | Myriogramme gunniana                                                                                 |        |                             |              |                                       |
| 1771.          | 6196    | Myriophyllum muelleri (Hooded Water Milfoil)                                                         |        |                             | P1           |                                       |
| 1772.          |         | Needhamiella pumilio                                                                                 |        |                             |              |                                       |
| 1773.          |         | Nematolepis phebalioides                                                                             |        |                             |              |                                       |
| 1774.          |         | Neurachne alopecuroidea (Foxtail Mulga Grass)                                                        |        |                             |              |                                       |
| 1775.<br>1776. |         | Nitraria billardierei (Nitre Bush) Nuytsia floribunda (Christmas Tree, Mudja)                        |        |                             |              |                                       |
| 1777.          |         | Oenothera drummondii (Beach Evening Primrose)                                                        | Υ      |                             |              |                                       |
| 1778.          |         | Oenothera stricta subsp. stricta                                                                     | Y      |                             |              |                                       |
| 1779.          | 2365    | Olax benthamiana                                                                                     |        |                             |              |                                       |
| 1780.          |         | Olax phyllanthi                                                                                      |        |                             |              |                                       |
| 1781.          |         | Olearia axillaris (Coastal Daisybush)                                                                |        |                             |              |                                       |
| 1782.<br>1783. |         | Olearia imbricata (Imbricate Daisy Bush) Olearia sp. Eremicola (Diels & Pritzel s.n. PERTH 00449628) |        |                             |              |                                       |
| 1784.          |         | Oligarrhena micrantha                                                                                |        |                             |              |                                       |
| 1785.          |         | Oncosiphon suffruticosum (Calomba Daisy)                                                             | Υ      |                             |              |                                       |
| 1786.          | 7348    | Opercularia hispidula (Hispid Stinkweed)                                                             |        |                             |              |                                       |
| 1787.          | 18256   | Opercularia spermacocea                                                                              | 543    |                             |              |                                       |
|                |         |                                                                                                      | k 1    | Department of Biodiversity, |              | WESTERN                               |







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|----------------|---------|------------------------------------------------------------------------|-------------|-------------------|------------------------------------|
| 1788.          | 18255   | Opercularia vaginata (Dog Weed)                                        |             |                   |                                    |
| 1789.          | 46217   | Orianthera callosa                                                     |             |                   |                                    |
| 1790.          | 46255   | Orianthera campanulata                                                 |             |                   |                                    |
| 1791.          | 46316   | Orianthera serpyllifolia subsp. angustifolia                           |             |                   |                                    |
| 1792.          | 36181   | Ornduffia parnassifolia                                                |             |                   |                                    |
| 1793.          | 4113    | Ornithopus compressus (Yellow Serradella)                              | Υ           |                   |                                    |
| 1794.          | 4115    | Ornithopus sativus (French Serradella)                                 | Υ           |                   |                                    |
| 1795.          | 7122    | Orobanche minor (Lesser Broomrape)                                     | Υ           |                   |                                    |
| 1796.          | 1539    | Orthrosanthus multiflorus (Morning Iris)                               |             |                   |                                    |
| 1797.          | 27107   | Osmundaria prolifera                                                   |             |                   |                                    |
| 1798.          | 27108   | Osmundaria spiralis                                                    |             |                   |                                    |
| 1799.          | 4349    | Oxalis corniculata (Yellow Wood Sorrel)                                | Υ           |                   |                                    |
| 1800.          | 30375   | Oxalis exilis                                                          |             |                   |                                    |
| 1801.          | 4355    | Oxalis perennans                                                       |             |                   |                                    |
| 1802.          | 34841   | Oxymyrrhine gracilis                                                   |             |                   |                                    |
| 1803.          | 12645   | Ozothamnus lepidophyllus                                               |             |                   |                                    |
| 1804.          | 502     | Panicum capillare (Witchgrass)                                         | Υ           |                   |                                    |
| 1805.          | 2964    | Papaver hybridum (Rough Poppy)                                         | Υ           |                   |                                    |
| 1806.          | 1667    | Paracaleana nigrita (Flying Duck Orchid)                               |             |                   |                                    |
| 1807.          | 23499   | Paracaleana parvula                                                    |             | P2                |                                    |
| 1808.          | 516     | Parapholis incurva (Coast Barbgrass)                                   | Υ           |                   |                                    |
| 1809.          |         | Paraserianthes lophantha subsp. lophantha                              |             |                   |                                    |
| 1810.          |         | Parietaria debilis (Pellitory)                                         |             |                   |                                    |
| 1811.          | 527     | Paspalum dilatatum                                                     | Υ           |                   |                                    |
| 1812.          |         | Patersonia inaequalis (Unequal Bract Patersonia)                       |             | P2                |                                    |
| 1813.          |         | Patersonia juncea (Rush Leaved Patersonia)                             |             |                   |                                    |
| 1814.          | 19670   | Patersonia lanata forma calvata                                        |             |                   |                                    |
| 1815.          | 19669   | Patersonia lanata forma lanata                                         |             |                   |                                    |
| 1816.          | 1549    | Patersonia maxwellii                                                   |             |                   |                                    |
| 1817.          | 1550    | Patersonia occidentalis (Purple Flag, Koma)                            |             |                   |                                    |
| 1818.          | 30472   | Patersonia occidentalis var. occidentalis                              |             |                   |                                    |
| 1819.          | 1552    | Patersonia rudis (Hairy Flag)                                          |             |                   |                                    |
| 1820.          | 4343    | Pelargonium capitatum (Rose Pelargonium)                               | Υ           |                   |                                    |
| 1821.          |         | Pelargonium drummondii                                                 |             |                   |                                    |
| 1822.          |         | Pelargonium littorale                                                  |             |                   |                                    |
| 1823.          |         | Pentameris airoides (False Hairgrass)                                  | Υ           |                   |                                    |
| 1824.          |         | Persicaria prostrata                                                   |             |                   |                                    |
| 1825.          |         | Persoonia scabra                                                       |             | P3                |                                    |
| 1826.          |         | Petrophile fastigiata                                                  |             |                   |                                    |
| 1827.          |         | Petrophile squamata                                                    |             |                   |                                    |
| 1828.          |         | Petrophile squamata subsp. northern (J. Monks 40)                      |             |                   |                                    |
| 1829.          |         | Petrophile teretifolia                                                 |             |                   |                                    |
| 1830.          |         | Peyssonnelia novae-hollandiae                                          |             |                   |                                    |
| 1831.          |         | Phalaris minor (Lesser Canary Grass)                                   | Υ           |                   |                                    |
| 1832.          |         | Phebalium lepidotum                                                    |             |                   |                                    |
| 1833.          |         | Philotheca fitzgeraldii                                                |             |                   |                                    |
| 1834.          |         | Philotheca nodiflora subsp. lasiocalyx                                 |             |                   |                                    |
| 1835.          |         | Philydrella pygmaea (Butterfly Flowers)                                |             |                   |                                    |
| 1836.          |         | Phylogolium diversors                                                  | Υ           |                   |                                    |
| 1837.          |         | Phyllangium divergens  Phyllangium divergens  Phyllangium divergens    |             |                   |                                    |
| 1838.          |         | Phyllanthus calycinus (False Boronia)                                  |             |                   |                                    |
| 1839.          |         | Phyllanthus scaber  Phyllanthus scaber  Phyllanthus scaber             |             |                   |                                    |
| 1840.          |         | Phylloglossum drummondii (Pigmy Clubmoss)                              |             |                   |                                    |
| 1841.          |         | Phymatocarpus maxwellii  Pimalos apprentifelia (Narray Isosad Pimalos) |             |                   |                                    |
| 1842.          |         | Pimelea angustifolia (Narrow-leaved Pimelea)                           |             |                   |                                    |
| 1843.          |         | Pimelea argentea (Silvery Leaved Pimelea)                              |             |                   |                                    |
| 1844.<br>1845. |         | Pimelea brachyphylla  Pimelea bravifolia subsp. bravifolia             |             |                   |                                    |
|                |         | Pimelea clavata                                                        |             |                   |                                    |
| 1846.<br>1847. |         | Pimelea clavata Pimelea drummondii                                     |             |                   |                                    |
| 1848.          |         | Pimelea erecta                                                         |             |                   |                                    |
| 1849.          |         | Pimelea ferruginea                                                     |             |                   |                                    |
| 1850.          |         | Pimelea imbricata var. piligera                                        |             |                   |                                    |
| 1851.          |         | Pimelea subvillifera                                                   |             |                   |                                    |
| 1852.          |         | Pityrodia chrysocalyx                                                  |             | P3                |                                    |
| 1853.          |         | Plantago debilis                                                       |             | FJ                |                                    |
| 1854.          |         | Plantago exilis                                                        |             |                   |                                    |
|                |         | Plantago hispida                                                       |             |                   |                                    |
|                | 7302    |                                                                        |             |                   |                                    |
| 1855.<br>1856. |         | Platysace compressa (Tapeworm Plant)                                   |             |                   |                                    |







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|----------------|---------|--------------------------------------------------------------------|-------------------------|-------------------|---------------------------------------|
| 1858.          | 27150   | Platysiphonia victoriae                                            |                         |                   |                                       |
| 1859.          | 27154   | Plocamium angustum                                                 |                         |                   |                                       |
| 1860.          | 27156   | Plocamium mertensii                                                |                         |                   |                                       |
| 1861.          |         | Plocamium preissianum                                              |                         |                   |                                       |
| 1862.          |         | Poa annua (Winter Grass)                                           | Y                       |                   |                                       |
| 1863.          |         | Poa poiformis (Coastal Poa)                                        |                         |                   |                                       |
| 1864.          |         | Poa porphyroclados                                                 |                         |                   |                                       |
| 1865.          |         | Podolepis rugata (Pleated Podolepis)                               |                         |                   |                                       |
| 1866.          |         | Podotheca angustifolia (Sticky Longheads)                          |                         |                   |                                       |
| 1867.<br>1868. |         | Pollexfenia pedicellata Polycarpon tetraphyllum (Fourleaf Allseed) | Υ                       |                   |                                       |
| 1869.          |         | Polygonum aviculare (Wireweed)                                     | Y                       |                   |                                       |
| 1870.          |         | Polypogon monspeliensis (Annual Beardgrass)                        | Y                       |                   |                                       |
| 1871.          |         | Polypogon tenellus                                                 | ·                       |                   |                                       |
| 1872.          |         | Polysiphonia decipiens                                             |                         |                   |                                       |
| 1873.          | 27177   | Polysiphonia mollis                                                |                         |                   | Υ                                     |
| 1874.          | 14547   | Pomaderris brevifolia                                              |                         |                   |                                       |
| 1875.          | 4818    | Pomaderris myrtilloides                                            |                         |                   |                                       |
| 1876.          | 122     | Posidonia angustifolia                                             |                         |                   |                                       |
| 1877.          | 123     | Posidonia australis (Fibreball Weed)                               |                         |                   |                                       |
| 1878.          | 106     | Posidonia denhartogii                                              |                         |                   |                                       |
| 1879.          |         | Posidonia kirkmanii                                                |                         |                   |                                       |
| 1880.          |         | Posidonia ostenfeldii                                              |                         |                   |                                       |
| 1881.          |         | Posidonia robertsoniae                                             |                         |                   |                                       |
| 1882.          |         | Posidonia sinuosa  Potemagatan drummandii                          |                         |                   |                                       |
| 1883.          |         | Potamogeton drummondii                                             |                         |                   |                                       |
| 1884.<br>1885. |         | Praecoxanthus aphyllus                                             |                         |                   |                                       |
| 1886.          |         | Prasophyllum calcicola Prasophyllum elatum (Tall Leek Orchid)      |                         |                   |                                       |
| 1887.          |         | Prasophyllum fimbria (Fringed Leek Orchid)                         |                         |                   |                                       |
| 1888.          |         | Prasophyllum giganteum (Bronze Leek Orchid)                        |                         |                   |                                       |
| 1889.          |         | Prasophyllum macrostachyum (Laughing Leek Orchid)                  |                         |                   |                                       |
| 1890.          | 17650   | Prasophyllum odoratissimum                                         |                         |                   |                                       |
| 1891.          | 1680    | Prasophyllum parvifolium (Autumn Leek Orchid)                      |                         |                   |                                       |
| 1892.          | 1682    | Prasophyllum sargentii                                             |                         |                   |                                       |
| 1893.          | 6911    | Prostanthera baxteri                                               |                         |                   |                                       |
| 1894.          |         | Protokuetzingia australasica                                       |                         |                   |                                       |
| 1895.          |         | Pseudognaphalium luteoalbum (Jersey Cudweed)                       |                         |                   |                                       |
| 1896.          |         | Pterochaeta paniculata                                             |                         |                   |                                       |
| 1897.<br>1898. |         | Pterostylis dilatata Pterostylis recurva (Jug Orchid)              |                         |                   |                                       |
| 1899.          |         | Pterostylis rogersii (Curled-tongue Shell Orchid)                  |                         |                   |                                       |
| 1900.          |         | Pterostylis sp. robust (W. Jackson BJ294)                          |                         |                   |                                       |
| 1901.          |         | Pterostylis turfosa (Bird Orchid)                                  |                         |                   |                                       |
| 1902.          |         | Pterostylis vittata (Banded Greenhood)                             |                         |                   |                                       |
| 1903.          | 27202   | Ptilocladia australis                                              |                         |                   |                                       |
| 1904.          | 27203   | Ptilocladia pulchra                                                |                         |                   |                                       |
| 1905.          | 27204   | Ptilocladia vestita                                                |                         |                   |                                       |
| 1906.          |         | Puccinellia longior                                                |                         |                   |                                       |
| 1907.          |         | Puccinellia stricta (Marsh Grass)                                  |                         |                   |                                       |
| 1908.          |         | Pultenaea ericifolia                                               |                         |                   |                                       |
| 1909.          |         | Pultenaea heterochila                                              |                         |                   |                                       |
| 1910.          |         | Pultenaea indira subsp. indira                                     |                         |                   |                                       |
| 1911.<br>1912. |         | Pultenaea purpurea Pultenaea spinulosa                             |                         |                   |                                       |
| 1912.          |         | Pultenaea tenuifolia                                               |                         |                   |                                       |
| 1914.          |         | Pultenaea verruculosa                                              |                         |                   |                                       |
| 1915.          |         | Pyrorchis nigricans (Red beaks, Elephants ears)                    |                         |                   |                                       |
| 1916.          |         | Quinetia urvillei                                                  |                         |                   |                                       |
| 1917.          |         | Ranunculus sessiliflorus (Smallflower Buttercup)                   |                         |                   |                                       |
| 1918.          |         | Raphanus raphanistrum (Wild Radish)                                | Υ                       |                   |                                       |
| 1919.          | 3063    | Rapistrum rugosum (Turnip Weed)                                    | Υ                       |                   |                                       |
| 1920.          | 27211   | Rhabdonia coccinea                                                 |                         |                   |                                       |
| 1921.          | 2578    | Rhagodia baccata (Berry Saltbush)                                  |                         |                   |                                       |
| 1922.          |         | Rhagodia baccata subsp. baccata                                    |                         |                   |                                       |
| 1923.          |         | Rhagodia crassifolia (Fleshy Saltbush)                             |                         |                   |                                       |
| 1924.          |         | Rhagodia preissii                                                  |                         |                   |                                       |
| 1925.<br>1926. |         | Rhipiliopsis peltata Rhodanthe citrina                             |                         |                   |                                       |
| 1926.          |         | Rhodopeltis australis                                              |                         |                   |                                       |
|                |         |                                                                    | Department Conservation | of Biodiversity,  | WESTERN                               |







|                | Name ID | Species Name                                                   | Naturalised | Conservation Code | Endemic To Que<br>Area |
|----------------|---------|----------------------------------------------------------------|-------------|-------------------|------------------------|
| 1928.          | 31911   | Ricinocarpos megalocarpus                                      |             |                   |                        |
| 1929.          | 11096   | Rinzia dimorphandra (Esperance Rinzia)                         |             |                   |                        |
| 1930.          | 48269   | Rinzia icosandra (Recherche Mainland Rinzia)                   |             |                   |                        |
| 1931.          | 48887   | Roepera billardierei                                           |             |                   |                        |
| 1932.          | 1556    | Romulea rosea (Guildford Grass)                                | Υ           |                   |                        |
| 1933.          |         | Rostraria cristata                                             | Υ           |                   |                        |
| 1934.          |         | Rosulabryum campylothecium                                     |             |                   |                        |
| 1935.          |         | Rosulabryum torquescens                                        |             |                   |                        |
| 1936.          |         | Rubus laudatus                                                 | Υ           |                   |                        |
| 1937.          |         | Rumex acetosella (Sorrel)                                      | Y           |                   |                        |
| 1938.          |         | Rumex brownii (Swamp Dock)                                     | Y           |                   |                        |
| 1939.          |         | Rumex crispus (Curled Dock)                                    | Y           |                   |                        |
| 1940.          |         |                                                                |             |                   |                        |
|                |         | Rumex hypogaeus                                                | Υ           |                   |                        |
| 1941.<br>1942. |         | Ruppia megacarpa                                               |             |                   |                        |
|                |         | Ruppia polycarpa                                               |             |                   |                        |
| 1943.          |         | Ruppia tuberosa                                                |             |                   |                        |
| 1944.          |         | Rytidosperma acerosum                                          | .,          |                   |                        |
| 1945.          |         | Sagina apetala (Annual Pearlwort)                              | Υ           |                   |                        |
| 1946.          |         | Salicornia blackiana                                           |             |                   |                        |
| 1947.          |         | Salicornia quinqueflora                                        |             |                   |                        |
| 1948.          |         | Salicornia quinqueflora subsp. quinqueflora (Beaded Glasswort) |             |                   |                        |
| 1949.          |         | Salvia reflexa (Mintweed)                                      | Υ           |                   |                        |
| 1950.          |         | Samolus junceus                                                |             |                   |                        |
| 1951.          | 6484    | Samolus repens (Creeping Brookweed)                            |             |                   |                        |
| 1952.          | 27229   | Sarcomenia delesserioides                                      |             |                   |                        |
| 1953.          | 27232   | Sarcotrichia tenera                                            |             |                   |                        |
| 1954.          | 2817    | Sarcozona praecox (Sarcozona)                                  |             |                   |                        |
| 1955.          | 7606    | Scaevola crassifolia (Thick-leaved Fan-flower)                 |             |                   |                        |
| 1956.          | 7607    | Scaevola cuneiformis (Wedge-leaved Scaevola)                   |             |                   |                        |
| 1957.          | 7614    | Scaevola globulifera                                           |             |                   |                        |
| 1958.          | 13151   | Scaevola thesioides subsp. filifolia                           |             |                   |                        |
| 1959.          | 41660   | Schenkia australis                                             |             |                   |                        |
| 1960.          | 976     | Schoenus breviculmis                                           |             |                   |                        |
| 1961.          | 978     | Schoenus brevisetis                                            |             |                   |                        |
| 1962.          | 979     | Schoenus caespititius                                          |             |                   |                        |
| 1963.          |         | Schoenus curvifolius                                           |             |                   |                        |
| 1964.          |         | Schoenus grandiflorus (Large Flowered Bogrush)                 |             |                   |                        |
| 1965.          |         | Schoenus humilis                                               |             |                   |                        |
| 1966.          |         | Schoenus laevigatus                                            |             |                   |                        |
| 1967.          |         | Schoenus nitens (Shiny Bog-rush)                               |             |                   |                        |
| 1968.          |         | Schoenus obtusifolius                                          |             |                   |                        |
| 1969.          |         | Schoenus odontocarpus                                          |             |                   |                        |
|                |         |                                                                |             |                   |                        |
| 1970.          |         | Schoenus pleiostemoneus                                        |             |                   |                        |
| 1971.          |         | Schoenus plumosus                                              |             | D.                |                        |
| 1972.          |         | Schoenus sp. Grey Rhizome (K.L. Wilson 2922)                   |             | P1                |                        |
| 1973.          |         | Schoenus subbarbatus (Bearded Bog-rush)                        |             |                   |                        |
| 1974.          |         | Schoenus subfascicularis                                       |             |                   |                        |
| 1975.          |         | Schoenus subflavus (Yellow Bog-rush)                           |             |                   |                        |
| 1976.          |         | Schoenus subflavus subsp. long leaves (K.L. Wilson 2865)       |             |                   |                        |
| 1977.          |         | Schoenus submicrostachyus                                      |             |                   |                        |
| 1978.          |         | Sebaea ovata (Yellow Sebaea)                                   |             |                   |                        |
| 1979.          |         | Sematophyllum homomallum                                       |             |                   |                        |
| 1980.          | 8207    | Senecio glossanthus (Slender Groundsel)                        |             |                   |                        |
| 1981.          | 8216    | Senecio picridioides                                           |             |                   |                        |
| 1982.          | 25882   | Senecio pinnatifolius var. maritimus (Coastal Groundsel)       |             |                   |                        |
| 1983.          | 25883   | Senecio pinnatifolius var. pinnatifolius                       |             |                   |                        |
| 1984.          | 8217    | Senecio quadridentatus                                         |             |                   |                        |
| 1985.          | 7362    | Sherardia arvensis (Field Madder)                              | Υ           |                   |                        |
| 1986.          | 4980    | Sida hookeriana                                                |             |                   |                        |
| 1987.          |         | Siegfriedia darwinioides                                       |             |                   |                        |
| 1988.          |         | Silene gallica (French Catchfly)                               | Υ           |                   |                        |
| 1989.          |         | Silene gallica var. gallica                                    | Y           |                   |                        |
| 1990.          |         | Siloxerus filifolius                                           | •           |                   |                        |
| 1991.          |         | Siloxerus humifusus (Procumbent Siloxerus)                     |             |                   |                        |
| 1992.          |         | Siloxerus multiflorus                                          |             |                   |                        |
| 1992.          |         | Sisymbrium orientale (Indian Hedge Mustard)                    | Υ           |                   |                        |
|                |         |                                                                |             |                   |                        |
| 1994.          |         | Solanum laciniatum (Kangaroo Apple)                            | Y           |                   |                        |
| 1995.          |         | Solanum nigrum (Black Berry Nightshade)                        | Y           |                   |                        |
| 1996.          |         | Solanum rostratum (Buffalo Burr)                               | Υ           |                   |                        |
|                |         | Solanum eymonii                                                |             |                   |                        |
| 1997.          | 7037    | Solanum symonii                                                | Laid.       | of Biodiversity,  | WESTER                 |



|                | Name ID | Species Name                                        | Naturalised | Conservation Code | <sup>1</sup> Endemic To Qu<br>Area |
|----------------|---------|-----------------------------------------------------|-------------|-------------------|------------------------------------|
| 1998.          | 45036   | Solidago chilensis                                  | Υ           |                   |                                    |
| 1999.          | 27281   | Solieria robusta                                    |             |                   |                                    |
| 2000.          | 8230    | Sonchus asper (Rough Sowthistle)                    | Υ           |                   |                                    |
| 2001.          |         | Sonchus hydrophilus (Native Sowthistle)             |             |                   |                                    |
| 2002.          |         | Sonchus oleraceus (Common Sowthistle)               | Υ           |                   |                                    |
| 2003.          |         | Sonderophycus capensis                              | •           |                   |                                    |
| 2004.          |         | Sorghastrum nutans                                  | Υ           |                   | Υ                                  |
|                |         | -                                                   | Y           |                   | ı                                  |
| 2005.          |         | Sorghum halepense (Johnson Grass)                   |             |                   |                                    |
| 2006.          |         | Sparaxis pillansii (Harlequin Flower)               | Υ           |                   |                                    |
| 2007.          |         | Spergularia brevifolia                              |             |                   |                                    |
| 2008.          |         | Spergularia marina                                  |             |                   |                                    |
| 2009.          | 2915    | Spergularia rubra (Sand Spurry)                     | Y           |                   |                                    |
| 2010.          | 4201    | Sphaerolobium daviesioides (Prickly Globe-pea)      |             |                   |                                    |
| 2011.          | 17551   | Sphaerolobium drummondii                            |             |                   |                                    |
| 2012.          | 4205    | Sphaerolobium linophyllum                           |             |                   |                                    |
| 2013.          | 4206    | Sphaerolobium macranthum                            |             |                   |                                    |
| 2014.          | 4211    | Sphaerolobium vimineum (Leafless Globe Pea)         |             |                   |                                    |
| 2015.          | 624     | Spinifex hirsutus (Hairy Spinifex)                  |             |                   |                                    |
| 2016.          |         | Sporobolus virginicus (Marine Couch)                |             |                   |                                    |
| 2017.          |         | Spyridia dasyoides                                  |             |                   |                                    |
| 2017.          |         | Spyridia ilamentosa                                 |             |                   |                                    |
|                |         |                                                     |             |                   |                                    |
| 2019.          |         | Spyridium globulosum (Basket Bush)                  |             |                   |                                    |
| 2020.          |         | Spyridium majoranifolium                            |             |                   |                                    |
| 2021.          |         | Spyridium microcephalum (Small-headed Spyridium)    |             |                   |                                    |
| 2022.          |         | Spyridium minutum                                   |             |                   |                                    |
| 2023.          | 14795   | Spyridium mucronatum subsp. multiflorum             |             | P2                |                                    |
| 2024.          | 31916   | Spyridium sp. Jerdacuttup (A. Williams 332)         |             |                   |                                    |
| 2025.          | 20537   | Stachystemon virgatus                               |             |                   |                                    |
| 2026.          | 4733    | Stackhousia monogyna                                |             |                   |                                    |
| 2027.          | 4734    | Stackhousia muricata                                |             |                   |                                    |
| 2028.          | 9070    | Stackhousia pubescens (Downy Stackhousia)           |             |                   |                                    |
| 2029.          |         | Stackhousia sp. Hairy fruited (E.N.S. Jackson 1387) |             |                   |                                    |
| 2030.          |         | Stackhousia sp. Thick sepals (A.E. Orchard 1547)    |             |                   |                                    |
| 2031.          |         | Stawellia gymnocephala                              |             |                   |                                    |
| 2031.          |         | Stellaria media (Chickweed)                         | Υ           |                   |                                    |
|                |         |                                                     |             |                   |                                    |
| 2033.          |         | Stellaria pallida                                   | Υ           |                   |                                    |
| 2034.          |         | Stenanthemum notiale subsp. notiale                 |             |                   |                                    |
| 2035.          |         | Stirlingia anethifolia                              |             |                   |                                    |
| 2036.          | 2317    | Stirlingia simplex                                  |             |                   |                                    |
| 2037.          | 27318   | Struvea plumosa                                     |             |                   |                                    |
| 2038.          | 8242    | Stuartina muelleri (Round-leaf Stuartina)           |             |                   | Υ                                  |
| 2039.          | 7678    | Stylidium adnatum (Common Beaked Triggerplant)      |             |                   |                                    |
| 2040.          | 7682    | Stylidium albomontis                                |             |                   |                                    |
| 2041.          | 7687    | Stylidium assimile (Bronze-leaved Triggerplant)     |             |                   |                                    |
| 2042.          |         | Stylidium breviscapum (Boomerang Triggerplant)      |             |                   |                                    |
| 2043.          |         | Stylidium calcaratum (Book Triggerplant)            |             |                   |                                    |
| 2044.          |         | Stylidium corymbosum var. corymbosum                |             |                   |                                    |
|                |         |                                                     |             |                   |                                    |
| 2045.          |         | Stylidium insensitivum (Insensitive Trigger Plant)  |             |                   |                                    |
| 2046.          |         | Stylidium macranthum (Crab Claws)                   |             |                   |                                    |
| 2047.          |         | Stylidium perpusillum (Tiny Triggerplant)           |             |                   |                                    |
| 2048.          |         | Stylidium piliferum (Common Butterfly Triggerplant) |             |                   |                                    |
| 2049.          |         | Stylidium pilosum (Silky Triggerplant)              |             |                   |                                    |
| 2050.          | 7777    | Stylidium preissii (Lizard Triggerplant)            |             |                   |                                    |
| 2051.          | 7785    | Stylidium repens (Matted Triggerplant)              |             |                   |                                    |
| 2052.          | 7794    | Stylidium rupestre (Rock Triggerplant)              |             |                   |                                    |
| 2053.          |         | Stylidium sp.                                       |             |                   |                                    |
| 2054.          | 20599   | Stylidium turleyae                                  |             |                   |                                    |
| 2055.          |         | Stypandra glauca (Blind Grass)                      |             |                   |                                    |
| 2056.          |         | Styphelia intertexta                                |             |                   |                                    |
| 2057.          |         | Styphelia sp. South Coast (J.M. Powell 3374)        |             |                   |                                    |
|                |         |                                                     |             |                   |                                    |
| 2058.          |         | Suaeda australis (Seablite)                         |             |                   |                                    |
| 2059.          |         | Suaeda baccifera                                    | Y           |                   |                                    |
| 2060.          |         | Symphyotrichum squamatum (Bushy Starwort)           | Υ           |                   |                                    |
| 2061.          |         | Synaphea media                                      |             |                   |                                    |
| 2062.          | 12911   | Synaphea obtusata                                   |             |                   |                                    |
| 2002.          | 16772   | Synaphea oligantha                                  |             |                   |                                    |
| 2063.          |         | Synaphea petiolaris (Synaphea)                      |             |                   |                                    |
|                | 2324    | Syriapriea peliciaris (Syriapriea)                  |             |                   |                                    |
| 2063.          |         | Synaphea petiolaris subsp. petiolaris               |             |                   |                                    |
| 2063.<br>2064. | 16864   |                                                     |             |                   |                                    |







| 2008.   2011   Tansordo environ/pulses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | Name ID | Species Name                                   | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|------------------------------------------------|-------------|-------------------|---------------------------------------|
| 2071                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2017.   31652   Teachcome Actionale Scientify Sangharin   92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |         | •                                              |             |                   |                                       |
| 2022   Signature   |       |         |                                                |             |                   |                                       |
| 2074.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197.   3197   |       |         |                                                |             |                   |                                       |
| 2015.   3319   Testionne's before ackage before   2076.   31675   Testionne's before   2077.   31675   Testionne's personants ackage pergranulate (Biostoned Samplein)   2078.   3179   Testionne's personants ackage pergranulate (Biostoned Samplein)   2079.   4279   4279   Testionne's personants ackage pergranulate (Biostoned Samplein)   2080.   32867   Templetone reside (Codelle Traques)   2081.   2022   Testiphoria in prisectories (Divine Samplein)   2082.   1007   Testionne's personants (Divine Samplein)   2083.   35927   Testiphoria in prisectories (Divine Samplein)   2084.   2097   Testiphoria in prisectories (Divine Samplein)   2085.   35927   Testiphoria in prisectories (Divine Samplein)   2086.   1202   Testiphoria in prisectories (Divine Samplein)   2087.   1007   Testiphoria personant (Divine Samplein)   2088.   1007   Testiphoria personant (Divine Samplein)   2089.   1007   Testiphoria personant (Divine Samplein)   2090.   1208   Testiphoria personant (Divine Samplein)   2091.   2072   Testiphoria personant   2091.   2072   Testiphoria personant   2092.   2073   Testiphoria personant   2093.   2073   Testiphoria personant   2094.   2073   Testiphoria personant   2095.   2077   Testiphoria personant   2096.   2077   Testiphoria personant   2097.   2077   Testiphoria personant   2098.   2077   Testiphoria personant   2099.   2077   Testiphoria personan   |       |         |                                                |             | DO.               |                                       |
| 2011.   2017.   1111.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511.   1511   |       |         |                                                |             | P2                |                                       |
| 2017.   3157   Technoma pergramakas platas pergramakas pergramakas platas pergramakas pergrama   |       |         | ·                                              |             |                   |                                       |
| 2007.   SUITY   Tectoromia pergeneutions author, pergeneution (Planchand Samphine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |         |                                                |             |                   |                                       |
| 20718.   311/16   Technories grouppe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2019.   4556   Templotecine trause (Coolede Transpeel)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |         |                                                |             |                   |                                       |
| 2001.   2002.   7   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   100.   1   |       |         |                                                |             |                   |                                       |
| 2001.   2002.   Terrinor on physicscores (Source Sprinach)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |         |                                                |             |                   |                                       |
| 2002.   10.04 Terrorine capitation (Ann. Scrippe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |         | •                                              |             |                   |                                       |
| 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2082. |         |                                                |             |                   |                                       |
| 2005.   1701   Trajeyorina antenorinania (Analisa Cheriska)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2083. | 35582   | Tetraria sp. Mt Madden (C.D. Turley 40 BP/897) |             |                   |                                       |
| 2008.   10585   Traylymica postariania (Leopard Octoba)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2084. | 27327   | Thamnoclonium dichotomum                       |             |                   |                                       |
| 2007.   1705   Thelymina contina (Blue Lady Oronical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2085. | 1701    | Thelymitra antennifera (Vanilla Orchid)        |             |                   |                                       |
| 2088.   11143   Theywrite granitions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2086. | 10856   | Thelymitra benthamiana (Leopard Orchid)        |             |                   |                                       |
| 2008.   16248   Teleyntria gearcines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2087. | 1705    | Thelymitra crinita (Blue Lady Orchid)          |             |                   |                                       |
| 2081. 20733. Theylimina perturbina 2082. 20733. Theylimina perturbina 2083. 20735. Theylimina specialosa 2084. 20735. Theylimina specialosa 2084. 1716 Theylimina specialosa 2085. 2073 Theylimina values (Costant Orchid) 2086. 2073 Theylimina values (Costant Orchid) 2086. 2073 Theylimina values (Costant Orchid) 2087. 2073 Theylimina values (Costant Orchid) 2088. 2073 Theylimina values (Costant Orchid) 2089. 5065 Thomasia macrocalyx 2099. 5065 Thomasia macrocalyx 2090. 5077 Thomasia purpurea 2010. 5094 Thomasia purpurea 2010. 5094 Thomasia purpurea 2010. 5094 Thomasia purpurea 2010. 5095 Thomasia restructurbina 2010. 5094 Thomasia purpurea 2010. 5095 Thomasia restructurbina 2010. 5095 Thomasia restructurbina 2010. 5095 Thomasia purpurea 2010. 5095 Thomasia restructurbina 2010. 5095 Thomasia purpurea 2010. 5095 Thomasia suchesia purpurea 2010. 5095 Thomasia suchesia purpurea 2010. 5095 Thomasia suchesia purpurea 2011. 5095 Thomasia suchesia purpurea 2011. 5095 Thomasia suchesia purpurea 2012. 5095 Thomasia suchesia purpurea 2012  | 2088. | 11143   | Thelymitra graminea                            |             |                   |                                       |
| 2001.   2073 Thelymine perception                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2089. | 18248   | Thelymitra granitora                           |             |                   |                                       |
| 2002. Trolymina sp. 2003. 1718 Thelymina spring (Tiger Orchal) 2005. 1718 Thelymina spring (Tiger Orchal) 2005. 1718 Thelymina spring (Tiger Orchal) 2006. 2073 Thelymina spring (Tiger Orchal) 2007. 2073 Thelymina subject 2007. 2073 Thelymina subject 2007. 2073 Thelymina subject 2008. 2074 Thomase angustifies (Patrou Leaved Thomasia) 2009. 508 Thomase subjects (Patro International Spring Patrough) 2100. 5093 Thomase patrocapts (Paper Flower) 2101. 5094 Thomase patrocapts (Paper Flower) 2102. 5095 Thomase patrocapts (Paper Flower) 2103. 5095 Thomase subjects (Paper Flower) 2104. 5095 Thomase subjects (Paper Flower) 2105. 6095 Thyptomene subscients (Paper Flower) 2106. 5095 Thyptomene subjects (Paper Flower) 2107. 2733 Thureful apprachase (Paper Flower) 2108. 1227 Thypsonia discharates (Paper Flower) 2109. 2733 Thureful apprachase (Paper Flower) 2109. 2734 Thureful apprachase (Paper Flower) 2109. 2735 Thureful apprachase (Paper Flower) 2110. 1341 Thypomote subjects (Paper Flower) 2111. 1351 Thypomote subjects (Paper Flower) 2112. 1351 Thypomote subjects (Paper Flower) 2113. 1365 Thypomote standars 2114. 1368 Thomase patrons standars 2115. 2745 Thomase patrons (Paper Flower) 2116. 1111 Thomase patrons (Paper Flower) 2117. 4260 Thomase patrons (Paper Flower) 2118. 3249 Thomase patrons (Paper Flower) 2119. 3249 Thomase patrons (Paper Flower) 2120. 4280 Thomase patrons (Paper Flower) 2121. 4360 Thomase pager (Paper Flower) 2122. 4360 Thomase pager (Paper Flower) 2123. 4360 Thomase pager (Paper Flower) 2124. 4360 Thomase pager (Paper Flower) 2125. 4361 Thypotheris subjects (Paper Flower) 2126. 4361 Thypotheris subjects (Paper Flower) 2127. 4361 Thypotheris s | 2090. | 20730   | Thelymitra paludosa                            |             |                   |                                       |
| 2093. 2073. Thelymina spoiciosa 2094. 1116. Phalymina sitissa (Custerd Orchid) 2095. 2073. Thelymina sitissa (Custerd Orchid) 2096. 2073. Thelymina sitissa (Custerd Orchid) 2098. 5077. Thomasia cognata 2100. 5093. Thomasia proteina singuisticili (Narrow Levend Thomasia) 2101. 5094. Thomasia proteina 2102. 5094. Thomasia proteina 2103. 2094. Thresiticili diffuse (Costa Bonefuti) 2104. 1998. Thyptomeree australia subsp. australia 2105. 6085. Thyptomeree australia subsp. australia 2106. 27330. Thurelia australiasca 2107. 27331. Thurelia queriolica (Rock Thyptomere) 2108. 1308. Thyptomeree australia subsp. australia 2109. 1333. Thypsomatia dicholomus (Branching Fringe Lily) 2109. 1333. Thypsomatia dicholomus (Branching Fringe Lily) 2109. 1333. Thypsomatia substantia 2111. 1343. Thypsomatia magnisatus (Rock Thyptomaria) 2114. 1343. Thypsomatia proteina 2114. 1343. Thypsomatia proteina 2114. 1343. Thypsomatia proteina 2114. 1343. Thypsomatia particus 2115. 1345. Thypsomatia particus 2116. 1111. Thöbolum uniciba 2117. 1345. Thibosomatia varietus 2118. 32449. Trichosomum berutydoritum 2119. 1344. Thypsomatia varietus 2122. 1357. Tricollum uniciba (Valum Lily) 2124. 1358. Throopy ocitics (Volow Austran Lily) 2125. 4292. Trifolium anguesticum (Harowise Civer) 2126. 4292. Trifolium anguesticum (Harowise Civer) 2127. 4290. Trifolium anguesticum (Harowise Civer) 2128. 4312. Trifolium anguesticum (Kroater Civer) 2129. 4312. Trifolium anguesticum (Kroater Civer) 2134. 1357. Trifolium anguesticum (Kroater Civer) 2145. 4292. Trifolium infolium (Kroater Civer) 2154. 4315. Trifolium infolium infolium (Kroater Civer) 2165. 4327. Trifolium infolium info | 2091. | 20732   | Thelymitra petrophila                          |             |                   |                                       |
| 2094                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2095                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2093. | 20735   | Thelymitra speciosa                            |             |                   |                                       |
| 2098.   2073   Tholymina vulgaria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |         |                                                |             |                   |                                       |
| 2097                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2088                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2100.   5093   Thomasia parlalocallyx (Paper Flower)   2101.   5094   Thomasia putpurea   2102.   5105   Thomasia putpurea   2103.   2644   Threshedia diffusa (Coast Bonefusi)   2104.   19693   Thrystomene australia subsp. australia   2105.   6065   Thrystomene saxiocia (Rock Thrystomene)   2106.   27330   Thuretie australiastics   Y   2107.   27331   Thuretie australiastics   Y   2109.   3138   Thysanotus indicaulis   2119.   3138   Thysanotus mudicaulis   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129.   3129   |       |         | -                                              |             |                   |                                       |
| 2101.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |         |                                                |             |                   |                                       |
| 2102.   5105   Tromasia triplytla   2103.   2644   Trrelikelidia diffusa (Coast Borefruit)   2104.   19698   Tropytomene australis subap, australis   2105.   6065   Tripytomene australis subap, australis   2106.   27330   Trurelia australiss   2107.   27331   Trurelia australiss   2108.   1328   Triparantus dichotomus (Branching Fringe Lily)   2109.   1328   Triparantus dichotomus (Branching Fringe Lily)   2109.   1338   Triparantus motificaulis   2109.   2110.   1341   Triparantus motificaulis   2111.   1343   Triparantus motificaulis   2111.   1343   Triparantus prategisarus (Fringed Lily)   2111.   1343   Triparantus parteus   2113.   1358   Triparantus parteus   2114.   1368   Tricopytometral motification   2114.   1368   Tricopytometral motification   2115.   6280   Trachymene pilosa (Native Paranip)   2116.   6280   Trachymene pilosa (Native Paranip)   2117.   1485   Tribonantus violacea (Violet Turndin)   2118.   32449   Tricostomum brachydontum   2120.   1381   Tricostomum brachydontum   2121.   14648   Tricostomum brachydontum   2122.   1037   Tricostomum prachialmum   2123.   4280   Trifolium dinor (Yellow Autumn Lily)   2124.   41648   Tricostoliaria aphylla   2125.   4229   Trifolium arcense war arcense   4   2125.   4229   Trifolium arcense war arcense   4   2126.   4223   Trifolium arcense war arcense   4   2126.   4229   Trifolium arcense war arcense   4   2126.   4229   Trifolium arcense war arcense   4   2127.   4228   Trifolium arcense war arcense   4   2129.   4229   Trifolium arcense war arcense   4   2129.   4229   Trifolium arcense war arcense   4   4221   4221   4222   4223   Trifolium arcense war arcense   4   4223   Trifolium arcense war arcense     |       |         |                                                |             |                   |                                       |
| 2103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |         |                                                |             |                   |                                       |
| 2104.   19698   Thryptomene australis subsp. australis   2105.   6065   Thryptomene saxiocia (Rock Thryptomene)   7   7   7   7   7   7   7   7   7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |         |                                                |             |                   |                                       |
| 2105.     6065                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |         |                                                |             |                   |                                       |
| 2106.   2733   Thuretia australasica   Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |         |                                                |             |                   |                                       |
| 2107.   27331   Thuretia quercifolia   2108.   1328   Thysanotus dichotomus (Branching Fringe Lily)   2109.   1338   Thysanotus nudicaulis   2111.   1343   Thysanotus nudicaulis   2111.   1343   Thysanotus patersonii   2112.   1351   Thysanotus patersonii   2114.   1368   Trachyandrus patersonii   2114.   1368   Trachyandrus divericata   Y   2115.   6280   Trachyandrus divericata   Y   2115.   6280   Trachyandrus divericata   Y   2117.   1485   Tribolnamintes violacea (Violet Turndin)   2118.   3249   Tribolsomum reckelianum   2119.   32450   Trichostomum reckelianum   2120.   1361   Tricostularia aphylipida   2121.   1468   Tricostularia aphylipida   2122.   1037   Tricostularia aphylipida   2123.   4289   Trifolium aromse var. arvense   Y   2124.   41642   Trifolium aromse var. arvense   Y   2125.   4292   Trifolium campestre (Hop Clover)   Y   2126.   4293   Trifolium campestre (Hop Clover)   Y   2127.   4286   Trifolium campustro (Istantum (Clover)   Y   2128.   4297   Trifolium giomeratum (Cluster Clover)   Y   2129.   4312   Trifolium giomeratum (Cluster Clover)   Y   2130.   4315   Trifolium singiana   4315   Trifolium minutussima   4315   Trifolium intribentum (Woolly Clover)   Y   2131.   33276   Triglochin intribentum (Singlera   4315   Triglochin minutussima   4315   Triglochin intribentum (Singlera   4315   Triglochin intribentum (Singler   |       |         |                                                |             |                   | Υ                                     |
| 1328   Thysanotus dichotomus (Branching Fringe Lily)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2107. | 27331   | Thuretia quercifolia                           |             |                   |                                       |
| 2110.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |         |                                                |             |                   |                                       |
| 2111.       1343       Thysanotus parteus         2112.       1351       Thysanotus sparteus         2113.       1358       Thysanotus triandrus         2114.       1368       Trachyandra divaricata       Y         2115.       6280       Trachyandra divaricata       Y         2116.       1111       Tribolium uniolae       Y         2117.       1485       Tribonanthes violacea (Violet Tiumdin)       Y         2118.       32449       Trichostomum brachydontium         2119.       32450       Trichostomum exelianum         2120.       1361       Tricoyne elatior (Yellow Autumn Lily)         2121.       41648       Tricostularia aphylla         2122.       1037       Tricoliumia ragustilolium (Marowleaf Clover)       Y         2123.       4289       Trifolium arquester (Hop Clover)       Y         2124.       1754       Trifolium arginerum (Drooping Flower Clover)       Y         2126.       4293       Trifolium fragiferum (Strawbeny Clover)       Y         2127.       4266       Trifolium striatum (Knotted Clover)       Y         2128.       4297       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium trincron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2109. | 1338    | Thysanotus manglesianus (Fringed Lily)         |             |                   |                                       |
| 2112.       1351       Thysanotus triandrus         2113.       1358       Thysanotus triandrus         2114.       1368       Trachyandra divaricate       Y         2115.       6280       Trachymene pilosa (Native Parsnip)       Y         2116.       11112       Tribolium uniolae       Y         2117.       1485       Tribonathes violacea (Violet Tiurudin)       Y         2118.       32440       Trichostomum brachydontium         2119.       32450       Trichostomum eckelianum         2120.       1361       Tricostularia compressa         2121.       41648       Tricostularia compressa         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium campestre (Hop Clover)       Y         2127.       4296       Trifolium fragilerum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2130.       4315       Trifolium initiatisma <td>2110.</td> <td>1341</td> <td>Thysanotus nudicaulis</td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2110. | 1341    | Thysanotus nudicaulis                          |             |                   |                                       |
| 2113.   1358   Trysanotus triandrus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2111. | 1343    | Thysanotus patersonii                          |             |                   |                                       |
| 2114.       1368       Trachyandra divaricata       Y         2115.       6280       Trachymene pilosa (Native Parsnip)       Y         2116.       11112       Tribolum uniolae       Y         2117.       1485       Tribonanthes violacea (Violet Tiurndin)       Y         2118.       32449       Trichostomum brachydontium       Y         2119.       32450       Trichostomum eckelianum       Y         2120.       1361       Tricostularia ephylle       Y         2121.       41648       Tricostularia compressa       Y         2122.       1037       Tricostularia compressa       Y         2123.       4289       Trifolium anyeustifolium (Narrowleal Clover)       Y         2124.       17542       Trifolium anyeustifolium (Narrowleal Clover)       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium campestre (Hop Clover)       Y         2127.       4296       Trifolium fagiferum (Strawberry Clover)       Y         2128.       4297       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentesum (Woolly Clover)       Y         2131.       33276                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2112. | 1351    | Thysanotus sparteus                            |             |                   |                                       |
| 2115.       6280       Trachymene pilosa (Native Parsnip)         2116.       11112       Tribolium uniolae       Y         2117.       1485       Tribonanthes violacea (Violet Tiumdin)         2118.       32449       Trichostomum brachydontium         2119.       32450       Trichostomum eckelianum         2120.       1361       Tricostularia aphylla         2121.       41648       Tricostularia compressa         2122.       1037       Trifolium angustifolium (Narrowleaf Clover)       Y         2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium angustifolium (Narrowleaf Clover)       Y         2125.       4292       Trifolium angustifolium (Narrowleaf Clover)       Y         2126.       4293       Trifolium campestre (Hop Clover)       Y         2127.       4296       Trifolium Cernuum (Drooping Flower Clover)       Y         2128.       4297       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin micronata         2132.       146       Triglochin microphora         2133.       147<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2113. | 1358    | Thysanotus triandrus                           |             |                   |                                       |
| 2116.       11112       Tribolium uniolae       Y         2117.       1485       Tribonanthes violacea (Violet Turndin)         2118.       32449       Trichostomum brachydontium         2119.       32450       Trichostomum eckelianum         2120.       1381       Tricostularia ephylla         2121.       41648       Tricostularia aphylla         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium anyaustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium aryense var. arvense       Y         2125.       4292       Trifolium armpestre (Hop Clover)       Y         2126.       4293       Trifolium cernum (Drooping Flower Clover)       Y         2127.       4296       Trifolium graylerum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin minutrissima         2132.       146       Triglochin minutrissima         2133.       147       Triglochin minut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2114. | 1368    | Trachyandra divaricata                         | Υ           |                   |                                       |
| 2117. 1485 Tribonanthes violacea (Violet Tiurndin) 2118. 3249 Trichostomum brachydontium 2119. 32450 Trichostomum brachydontium 2120. 1361 Tricoryne elatior (Yellow Autumn Lily) 2121. 41648 Tricostularia aphylla 2122. 1037 Tricostularia compressa 2123. 4289 Trifolium angustifolium (Narrowleaf Clover) Y 2124. 17542 Trifolium arvense var. arvense Y 2125. 4292 Trifolium carmum (Drooping Flower Clover) Y 2126. 4293 Trifolium cernum (Drooping Flower Clover) Y 2127. 4296 Trifolium fragiferum (Strawberry Clover) Y 2128. 4297 Trifolium glomeratum (Cluster Clover) Y 2130. 4315 Trifolium striatum (Knotted Clover) Y 2131. 33276 Trifolium internatiosum (Woolly Clover) Y 2132. 146 Triglochin istingiana 2133. 147 Triglochin mucronata 2134. 151 Triglochin micronata 2135. 152 Triglochin trichophora 2136. 4737 Triptercocccus brunonis (Winged Stackhousia) 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |         |                                                |             |                   |                                       |
| 2118.       32449       Trichostomum brachydontium         2119.       32450       Trichostomum eckelianum         2120.       1361       Tricostularia aphylla         2121.       41648       Tricostularia compressa         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium regilerum (Strawberry Clover)       Y         2127.       4296       Trifolium fragilerum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin minutissima         2133.       147       Triglochin mirotropate         2134.       151       Triglochin mirotrophora         2135.       152       Triglochin mirotrophora         2136.       4737       Triptercoccus brunonis (Winged Stackhousia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |         |                                                | Υ           |                   |                                       |
| 2119.       32450       Trichostomum eckelianum         2120.       1361       Tricoryne elatior (Yellow Autumn Lily)         2121.       41648       Tricostularia compressa         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium fragiferum (Strawberry Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium gomeratum (Cluster Clover)       Y         2130.       4315       Trifolium striatum (Knotted Clover)       Y         2131.       33276       Triglochin striatum (Knotted Clover)       Y         2132.       146       Triglochin insingiana         2133.       147       Triglochin mucronata         2134.       151       Triglochin mucronata         2135.       152       Triglochin trichophora         2136.       4737       Triplochin trichophora         2137.       32451       Triquetrella papillata    <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |         |                                                |             |                   |                                       |
| 2120.       1361       Tricoryne elatior (Yellow Autumn Lily)         2121.       41648       Tricostularia aphylla         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium rannese var. arvense       Y         2125.       4292       Trifolium cempestre (Hop Clover)       Y         2126.       4293       Trifolium cernuum (Drooping Flower Clover)       Y         2127.       4296       Trifolium giomeratum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin inimiutissima         2132.       146       Triglochin mucronata         2133.       147       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Triptercoccus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |         | •                                              |             |                   |                                       |
| 2121.       41648       Tricostularia aphylla         2122.       1037       Tricostularia compressa         2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium campestre (Hop Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knoted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin minutissima         2133.       147       Triglochin minutissima         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |         |                                                |             |                   |                                       |
| 2122. 1037 Tricostularia compressa 2123. 4289 Trifolium angustifolium (Narrowleaf Clover) Y 2124. 17542 Trifolium arvense var. arvense Y 2125. 4292 Trifolium campestre (Hop Clover) Y 2126. 4293 Trifolium cernuum (Drooping Flower Clover) Y 2127. 4296 Trifolium fragiferum (Strawberry Clover) Y 2128. 4297 Trifolium giomeratum (Cluster Clover) Y 2129. 4312 Trifolium striatum (Knotted Clover) Y 2130. 4315 Trifolium tomentosum (Woolly Clover) Y 2131. 33276 Triglochin isingiana 2132. 146 Triglochin minutissima 2133. 147 Triglochin minutissima 2134. 151 Triglochin trichophora 2136. 4737 Tripterococcus brunonis (Winged Stackhousia) 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |         |                                                |             |                   |                                       |
| 2123.       4289       Trifolium angustifolium (Narrowleaf Clover)       Y         2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium cernuum (Drooping Flower Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2130.       4312       Trifolium striatum (Knotted Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin minutissima         2133.       147       Triglochin mucronata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |         |                                                |             |                   |                                       |
| 2124.       17542       Trifolium arvense var. arvense       Y         2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium cemuum (Drooping Flower Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin mucronata         2133.       147       Triglochin mucronata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |         |                                                | V           |                   |                                       |
| 2125.       4292       Trifolium campestre (Hop Clover)       Y         2126.       4293       Trifolium cemuum (Drooping Flower Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin mucronata         2133.       147       Triglochin mucronata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |         |                                                |             |                   |                                       |
| 2126.       4293       Trifolium cemuum (Drooping Flower Clover)       Y         2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin mucronata         2133.       147       Triglochin mucronata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |         |                                                |             |                   |                                       |
| 2127.       4296       Trifolium fragiferum (Strawberry Clover)       Y         2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin mucronata         2133.       147       Triglochin striata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |         |                                                |             |                   |                                       |
| 2128.       4297       Trifolium glomeratum (Cluster Clover)       Y         2129.       4312       Trifolium striatum (Knotted Clover)       Y         2130.       4315       Trifolium tomentosum (Woolly Clover)       Y         2131.       33276       Triglochin isingiana         2132.       146       Triglochin minutissima         2133.       147       Triglochin mucronata         2134.       151       Triglochin striata         2135.       152       Triglochin trichophora         2136.       4737       Tripterococcus brunonis (Winged Stackhousia)         2137.       32451       Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |         |                                                |             |                   |                                       |
| 2129. 4312 Trifolium striatum (Knotted Clover) Y 2130. 4315 Trifolium tomentosum (Woolly Clover) Y 2131. 33276 Triglochin isingiana 2132. 146 Triglochin minutissima 2133. 147 Triglochin mucronata 2134. 151 Triglochin striata 2135. 152 Triglochin trichophora 2136. 4737 Tripterococcus brunonis (Winged Stackhousia) 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |         |                                                |             |                   |                                       |
| 2130. 4315 Trifolium tomentosum (Woolly Clover)  2131. 33276 Triglochin isingiana  2132. 146 Triglochin minutissima  2133. 147 Triglochin mucronata  2134. 151 Triglochin striata  2135. 152 Triglochin trichophora  2136. 4737 Tripterococcus brunonis (Winged Stackhousia)  2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |         |                                                |             |                   |                                       |
| <ul> <li>2131. 33276 Triglochin isingiana</li> <li>2132. 146 Triglochin minutissima</li> <li>2133. 147 Triglochin mucronata</li> <li>2134. 151 Triglochin striata</li> <li>2135. 152 Triglochin trichophora</li> <li>2136. 4737 Tripterococcus brunonis (Winged Stackhousia)</li> <li>2137. 32451 Triquetrella papillata</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |         |                                                |             |                   |                                       |
| 2132. 146 Triglochin minutissima 2133. 147 Triglochin mucronata 2134. 151 Triglochin striata 2135. 152 Triglochin trichophora 2136. 4737 Tripterococcus brunonis (Winged Stackhousia) 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |         |                                                |             |                   |                                       |
| <ul> <li>2133. 147 Triglochin mucronata</li> <li>2134. 151 Triglochin striata</li> <li>2135. 152 Triglochin trichophora</li> <li>2136. 4737 Tripterococcus brunonis (Winged Stackhousia)</li> <li>2137. 32451 Triquetrella papillata</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |         |                                                |             |                   |                                       |
| <ul> <li>2134. 151 Triglochin striata</li> <li>2135. 152 Triglochin trichophora</li> <li>2136. 4737 Tripterococcus brunonis (Winged Stackhousia)</li> <li>2137. 32451 Triquetrella papillata</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |         | -                                              |             |                   |                                       |
| 2136. 4737 Tripterococcus brunonis (Winged Stackhousia) 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2134. |         |                                                |             |                   |                                       |
| 2137. 32451 Triquetrella papillata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2135. | 152     | Triglochin trichophora                         |             |                   |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | 4737    | Tripterococcus brunonis (Winged Stackhousia)   |             |                   |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2137. | 32451   | Triquetrella papillata                         | 6.7         | <u>_</u>          |                                       |







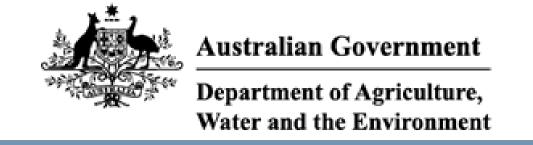
|       | Name ID | Species Name                                                                 | Naturalised | Conservation Code | <sup>1</sup> Endemic To Query<br>Area |
|-------|---------|------------------------------------------------------------------------------|-------------|-------------------|---------------------------------------|
| 2138. | 1139    | Trithuria bibracteata                                                        |             |                   |                                       |
| 2139. | 13479   | Trymalium ledifolium var. rosmarinifolium                                    |             |                   |                                       |
| 2140. | 15757   | Trymalium spatulatum                                                         |             |                   |                                       |
| 2141. | 27347   | Tylotus obtusatus                                                            |             |                   |                                       |
| 2142. | 98      | Typha domingensis (Bulrush, Djandjid)                                        |             |                   |                                       |
| 2143. | 35260   | Ulva compressa                                                               |             |                   |                                       |
| 2144. | 38388   | Ursinia anthemoides subsp. anthemoides                                       | Υ           |                   |                                       |
| 2145. | 1766    | Urtica incisa (Scrub Nettle)                                                 |             |                   |                                       |
| 2146. | 1767    | Urtica urens (Small Nettle)                                                  | Υ           |                   |                                       |
| 2147. | 7145    | Utricularia menziesii (Redcoats)                                             |             |                   |                                       |
| 2148. | 7148    | Utricularia multifida                                                        |             |                   |                                       |
| 2149. | 7153    | Utricularia tenella                                                          |             |                   |                                       |
| 2150. | 13160   | Velleia exigua                                                               |             | P2                |                                       |
| 2151. | 7665    | Velleia trinervis                                                            |             |                   |                                       |
| 2152. | 8257    | Vellereophyton dealbatum (White Cudweed)                                     | Υ           |                   |                                       |
| 2153. | 6072    | Verticordia brownii                                                          |             |                   |                                       |
| 2154. | 6073    | Verticordia chrysantha                                                       |             |                   |                                       |
| 2155. | 6076    | Verticordia densiflora (Compacted Featherflower)                             |             |                   |                                       |
| 2156. | 15432   | Verticordia densiflora var. densiflora                                       |             |                   |                                       |
| 2157. | 6079    | Verticordia fastigiata (Mouse Featherflower)                                 |             |                   |                                       |
| 2158. | 6090    | Verticordia humilis                                                          |             |                   |                                       |
| 2159. | 12432   | Verticordia inclusa                                                          |             |                   |                                       |
| 2160. | 6096    | Verticordia minutiflora                                                      |             |                   |                                       |
| 2161. | 12450   | Verticordia plumosa var. grandiflora                                         |             |                   |                                       |
| 2162. |         | Verticordia sieberi var. sieberi                                             |             |                   |                                       |
| 2163. |         | Verticordia vicinella                                                        |             |                   |                                       |
| 2164. | 11474   | Vicia sativa subsp. nigra                                                    | Υ           |                   |                                       |
| 2165. |         | Vidalia spiralis                                                             |             |                   |                                       |
| 2166. |         | Viminaria juncea (Swishbush, Koweda)                                         |             |                   |                                       |
| 2167. |         | Vittadinia gracilis                                                          |             |                   |                                       |
| 2168. |         | Vulpia bromoides (Squirrel Tail Fescue)                                      | Υ           |                   |                                       |
| 2169. |         | Vulpia fasciculata                                                           | Y           |                   |                                       |
| 2170. |         | Vulpia muralis                                                               | Y           |                   |                                       |
| 2171. |         | Vulpia myuros (Rat's Tail Fescue)                                            | Y           |                   |                                       |
| 2172. |         | Vulpia myuros forma megalura                                                 | Y           |                   |                                       |
| 2173. |         | Vulpia myuros forma myuros                                                   | Y           |                   |                                       |
| 2174. | 00.01   | Vulpia sp.                                                                   | •           |                   |                                       |
| 2175. | 7384    | Wahlenbergia capensis (Cape Bluebell)                                        | Υ           |                   |                                       |
| 2176. |         | Wahlenbergia preissii                                                        | '           |                   |                                       |
| 2177. |         | Watsonia meriana var. bulbillifera                                           | Υ           |                   |                                       |
| 2177. |         | Webervanbossea splachnoides                                                  | ī           |                   |                                       |
| 2178. |         |                                                                              |             |                   |                                       |
| 2179. |         | Westringia dampieri Wilhania haukhayani (Narray loof Wilhania)               |             |                   |                                       |
|       |         | Wilsonia backhousei (Narrow-leaf Wilsonia) Wilsonia humilis (Silky Wilsonia) |             |                   |                                       |
| 2181. |         |                                                                              |             |                   |                                       |
| 2182. |         | Wilsonia rotundifolia (Round-leaf Wilsonia)                                  |             |                   |                                       |
| 2183. |         | Wollastoniella myriophylloides                                               |             |                   |                                       |
| 2184. |         | Wrangelia plumosa                                                            |             |                   |                                       |
| 2185. |         | Wrangelia velutina                                                           |             |                   |                                       |
| 2186. |         | Wurmbea cernua                                                               |             |                   |                                       |
| 2187. |         | Wurmbea dioica (Early Nancy)                                                 |             |                   |                                       |
| 2188. |         | Xanthorrhoea platyphylla                                                     |             |                   |                                       |
| 2189. |         | Xanthosia huegelii                                                           |             |                   |                                       |
| 2190. | 16992   | Yucca aloifolia                                                              | Υ           |                   |                                       |





Conservation Codes
T - Rare or likely to become extinct
X - Presumed extinct
T - Crosecuted under international agreement
- Crosecuted under international agreement
- Priority
2 - Priority 2
3 - Priority 3
4 - Priority 4
5 - Priority 5

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



# **EPBC Act Protected Matters Report**

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about <u>Environment Assessments</u> and the EPBC Act including significance guidelines, forms and application process details.

Report created: 21/09/21 15:56:13

Summary

**Details** 

Matters of NES
Other Matters Protected by the EPBC Act
Extra Information

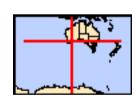
Caveat

<u>Acknowledgements</u>



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2015

Coordinates
Buffer: 30.0Km



## **Summary**

#### Matters of National Environmental Significance

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

| World Heritage Properties:                | None |
|-------------------------------------------|------|
| National Heritage Places:                 | None |
| Wetlands of International Importance:     | 2    |
| Great Barrier Reef Marine Park:           | None |
| Commonwealth Marine Area:                 | None |
| Listed Threatened Ecological Communities: | 1    |
| Listed Threatened Species:                | 48   |
| Listed Migratory Species:                 | 52   |

#### Other Matters Protected by the EPBC Act

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

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

A <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 Land:                 | 1    |
|------------------------------------|------|
| Commonwealth Heritage Places:      | None |
| Listed Marine Species:             | 82   |
| Whales and Other Cetaceans:        | 14   |
| Critical Habitats:                 | None |
| Commonwealth Reserves Terrestrial: | None |
| Australian Marine Parks:           | None |

#### **Extra Information**

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

| State and Territory Reserves:    | 15   |
|----------------------------------|------|
| Regional Forest Agreements:      | None |
| Invasive Species:                | 15   |
| Nationally Important Wetlands:   | 3    |
| Key Ecological Features (Marine) | None |

# **Details**

### Matters of National Environmental Significance

| Wetlands of International Importance (Ramsar) | [ Resource Information ] |
|-----------------------------------------------|--------------------------|
| Name                                          | Proximity                |
| Lake gore                                     | Within 10km of Ramsar    |
| <u>Lake warden system</u>                     | Within Ramsar site       |

#### Listed Threatened Ecological Communities

[Resource Information]

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

| Name                                                                                                                          | Status                | Type of Presence                                                   |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------|
| Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia                     | Endangered            | Community likely to occur within area                              |
| Listed Threatened Species                                                                                                     |                       | [ Resource Information ]                                           |
| Name                                                                                                                          | Status                | Type of Presence                                                   |
| Birds                                                                                                                         |                       |                                                                    |
| Botaurus poiciloptilus Australasian Bittern [1001]                                                                            | Endangered            | Species or species habitat likely to occur within area             |
| Calidris canutus Red Knot, Knot [855]                                                                                         | Endangered            | Species or species habitat likely to occur within area             |
| Calidris ferruginea Curlew Sandpiper [856]                                                                                    | Critically Endangered | Species or species habitat known to occur within area              |
| Calidris tenuirostris Great Knot [862]                                                                                        | Critically Endangered | Roosting known to occur within area                                |
| Calyptorhynchus latirostris Carnaby's Cockatoo, Short-billed Black-Cockatoo [59523]                                           | Endangered            | Species or species habitat known to occur within area              |
| Cereopsis novaehollandiae grisea Cape Barren Goose (south-western), Recherche Cape Barren Goose [25978] Diomedea antipodensis | Vulnerable            | Breeding known to occur within area                                |
| Antipodean Albatross [64458]                                                                                                  | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| <u>Diomedea dabbenena</u> Tristan Albatross [66471]                                                                           | Endangered            | Species or species habitat may occur within area                   |
| <u>Diomedea epomophora</u> Southern Royal Albatross [89221]                                                                   | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| <u>Diomedea exulans</u> Wandering Albatross [89223]                                                                           | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |

| Name                                                                                                             | Status                | Type of Presence                                                   |
|------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------|
| Diomedea sanfordi Northern Royal Albatross [64456]                                                               | Endangered            | Foraging, feeding or related behaviour likely to occur within area |
| Falco hypoleucos Grey Falcon [929]                                                                               | Vulnerable            | Species or species habitat likely to occur within area             |
| Halobaena caerulea Blue Petrel [1059]                                                                            | Vulnerable            | Species or species habitat may occur within area                   |
| <u>Leipoa ocellata</u> Malleefowl [934]                                                                          | Vulnerable            | Species or species habitat likely to occur within area             |
| <u>Limosa lapponica menzbieri</u><br>Northern Siberian Bar-tailed Godwit, Russkoye Bar-<br>tailed Godwit [86432] | Critically Endangered | Species or species habitat known to occur within area              |
| Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]                                        | Endangered            | Species or species habitat may occur within area                   |
| Macronectes halli Northern Giant Petrel [1061]                                                                   | Vulnerable            | Species or species habitat may occur within area                   |
| Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]                                               | Critically Endangered | Species or species habitat likely to occur within area             |
| Pachyptila turtur subantarctica Fairy Prion (southern) [64445]                                                   | Vulnerable            | Species or species habitat may occur within area                   |
| Pterodroma mollis Soft-plumaged Petrel [1036]                                                                    | Vulnerable            | Species or species habitat may occur within area                   |
| Sternula nereis nereis Australian Fairy Tern [82950]                                                             | Vulnerable            | Foraging, feeding or related behaviour known to occur within area  |
| Thalassarche carteri Indian Yellow-nosed Albatross [64464]                                                       | Vulnerable            | Foraging, feeding or related behaviour may occur within area       |
| Thalassarche cauta Shy Albatross [89224]                                                                         | Endangered            | Foraging, feeding or related behaviour likely to occur within area |
| Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]                                | Vulnerable            | Species or species habitat may occur within area                   |
| Thalassarche melanophris Black-browed Albatross [66472]                                                          | Vulnerable            | Species or species habitat may occur within area                   |
| Thalassarche steadi White-capped Albatross [64462]                                                               | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| Mammals                                                                                                          |                       |                                                                    |
| Balaenoptera borealis Sei Whale [34]                                                                             | Vulnerable            | Species or species habitat may occur within area                   |
| Balaenoptera musculus Blue Whale [36]                                                                            | Endangered            | Species or species habitat may occur within area                   |

| Name                                                                                                                    | Status     | Type of Presence                                       |
|-------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------|
| Balaenoptera physalus Fin Whale [37]                                                                                    | Vulnerable | Species or species habitat may occur within area       |
| Dasyurus geoffroii Chuditch, Western Quoll [330]                                                                        | Vulnerable | Species or species habitat may occur within area       |
| Eubalaena australis Southern Right Whale [40]                                                                           | Endangered | Breeding known to occur within area                    |
| Megaptera novaeangliae Humpback Whale [38]                                                                              | Vulnerable | Species or species habitat likely to occur within area |
| Neophoca cinerea  Australian Sea-lion, Australian Sea Lion [22]                                                         | Endangered | Species or species habitat likely to occur within area |
| Parantechinus apicalis Dibbler [313]                                                                                    | Endangered | Species or species habitat likely to occur within area |
| Petrogale lateralis lateralis Black-flanked Rock-wallaby, Moororong, Black-footed Rock Wallaby [66647]                  | Endangered | Translocated population known to occur within area     |
| Phascogale calura Red-tailed Phascogale, Red-tailed Wambenger, Kenngoor [316]                                           | Vulnerable | Species or species habitat may occur within area       |
| Plants                                                                                                                  |            |                                                        |
| Anigozanthos bicolor subsp. minor Little Kangaroo Paw, Two-coloured Kangaroo Paw, Small Two-colour Kangaroo Paw [21241] | Endangered | Species or species habitat known to occur within area  |
| Eucalyptus insularis Twin Peak Island Mallee [3057]                                                                     | Endangered | Species or species habitat likely to occur within area |
| Eucalyptus merrickiae Goblet Mallee [13119]                                                                             | Vulnerable | Species or species habitat known to occur within area  |
| Kennedia glabrata Northcliffe Kennedia [16452]                                                                          | Vulnerable | Species or species habitat likely to occur within area |
| Lambertia echinata subsp. echinata Prickly Honeysuckle [56729]                                                          | Endangered | Species or species habitat likely to occur within area |
| Ricinocarpos trichophorus  Barrens Wedding Bush [19931]                                                                 | Endangered | Species or species habitat likely to occur within area |
| Reptiles                                                                                                                |            |                                                        |
| Caretta caretta Loggerhead Turtle [1763]                                                                                | Endangered | Breeding likely to occur within area                   |
| Chelonia mydas Green Turtle [1765]                                                                                      | Vulnerable | Species or species habitat may occur within area       |
| Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]                                                   | Endangered | Breeding likely to occur within area                   |
| Sharks  Carcharias taurus (west coast population)  Grey Nurse Shark (west coast population) [68752]                     | Vulnerable | Species or species habitat likely to occur within area |

| Name                                                                           | Status     | Type of Presence                                                   |
|--------------------------------------------------------------------------------|------------|--------------------------------------------------------------------|
| Carcharodon carcharias White Shark, Great White Shark [64470]  Rhincodon typus | Vulnerable | Foraging, feeding or related behaviour known to occur within area  |
| Whale Shark [66680]                                                            | Vulnerable | Species or species habitat may occur within area                   |
| Listed Migratory Species                                                       |            | [ Resource Information ]                                           |
| * Species is listed under a different scientific name on                       |            |                                                                    |
| Name Migratory Marine Birds                                                    | Threatened | Type of Presence                                                   |
| Apus pacificus                                                                 |            |                                                                    |
| Fork-tailed Swift [678]                                                        |            | Species or species habitat likely to occur within area             |
| Ardenna carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]    |            | Breeding known to occur within area                                |
| Ardenna grisea Sooty Shearwater [82651]                                        |            | Species or species habitat may occur within area                   |
| Ardenna tenuirostris                                                           |            |                                                                    |
| Short-tailed Shearwater [82652]  Diomedea antipodensis                         |            | Breeding known to occur within area                                |
| Antipodean Albatross [64458]                                                   | Vulnerable | Foraging, feeding or related behaviour likely to occur within area |
| <u>Diomedea dabbenena</u> Tristan Albatross [66471]                            | Endangered | Species or species habitat may occur within area                   |
| <u>Diomedea epomophora</u>                                                     |            |                                                                    |
| Southern Royal Albatross [89221]                                               | Vulnerable | Foraging, feeding or related behaviour likely to occur within area |
| Diomedea exulans Wandering Albatross [89223]                                   | Vulnerable | Foraging, feeding or related behaviour likely to occur within area |
| Diomedea sanfordi Northern Royal Albatross [64456]                             | Endangered | Foraging, feeding or related behaviour likely to occur within area |
| <u>Hydroprogne caspia</u> Caspian Tern [808]                                   |            | Breeding known to occur within area                                |
| Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]      | Endangered | Species or species habitat may occur within area                   |
| Macronectes halli Northern Giant Petrel [1061]                                 | Vulnerable | Species or species habitat may occur within area                   |
| Onychoprion anaethetus Bridled Tern [82845]                                    |            | Foraging, feeding or related behaviour likely to occur within area |
| Thalassarche carteri Indian Yellow-nosed Albatross [64464]  Thalassarche cauta | Vulnerable | Foraging, feeding or related behaviour may occur within area       |
| Thalassarche cauta Shy Albatross [89224] Thalassarche impavida                 | Endangered | Foraging, feeding or related behaviour likely to occur within area |
| Thalassarche impavida Campbell Albatross, Campbell Black-browed                | Vulnerable | Species or species                                                 |

| Name                                                     | Threatened   | Type of Presence                                 |
|----------------------------------------------------------|--------------|--------------------------------------------------|
| Albatross [64459]                                        |              | habitat may occur within                         |
| Thalassarche melanophris                                 |              | area                                             |
| Black-browed Albatross [66472]                           | Vulnerable   | Species or species habitat                       |
|                                                          |              | may occur within area                            |
| Thalassarche steadi                                      |              |                                                  |
| White-capped Albatross [64462]                           | Vulnerable   | Foraging, feeding or related                     |
|                                                          |              | behaviour likely to occur within area            |
| Migratory Marine Species                                 |              |                                                  |
| Balaena glacialis australis Southern Right Whale [75529] | Endangered*  | Breeding known to occur                          |
| Southern Right Whale [15529]                             | Lituarigered | within area                                      |
| Balaenoptera borealis                                    |              |                                                  |
| Sei Whale [34]                                           | Vulnerable   | Species or species habitat may occur within area |
|                                                          |              | may occar within area                            |
| Balaenoptera edeni                                       |              | Consiss on an acies babitat                      |
| Bryde's Whale [35]                                       |              | Species or species habitat may occur within area |
|                                                          |              | ,                                                |
| Balaenoptera musculus                                    | Endangered   | Species or species habitat                       |
| Blue Whale [36]                                          | Endangered   | Species or species habitat may occur within area |
|                                                          |              |                                                  |
| Balaenoptera physalus Fin Whale [37]                     | Vulnerable   | Species or species habitat                       |
| Till Wildle [37]                                         | vuirierable  | may occur within area                            |
|                                                          |              | •                                                |
| Caperea marginata Pygmy Right Whale [39]                 |              | Species or species habitat                       |
| r yginy ragin whate [65]                                 |              | may occur within area                            |
| <u>Carcharhinus longimanus</u>                           |              |                                                  |
| Oceanic Whitetip Shark [84108]                           |              | Species or species habitat                       |
|                                                          |              | may occur within area                            |
| Carcharodon carcharias                                   |              |                                                  |
| White Shark, Great White Shark [64470]                   | Vulnerable   | Foraging, feeding or related                     |
|                                                          |              | behaviour known to occur within area             |
| Caretta caretta                                          |              | within area                                      |
| Loggerhead Turtle [1763]                                 | Endangered   | Breeding likely to occur                         |
| Chelonia mydas                                           |              | within area                                      |
| Green Turtle [1765]                                      | Vulnerable   | Species or species habitat                       |
|                                                          |              | may occur within area                            |
| Dermochelys coriacea                                     |              |                                                  |
| Leatherback Turtle, Leathery Turtle, Luth [1768]         | Endangered   | Breeding likely to occur                         |
| Lagenorhynchus obscurus                                  |              | within area                                      |
| Dusky Dolphin [43]                                       |              | Species or species habitat                       |
|                                                          |              | may occur within area                            |
| <u>Lamna nasus</u>                                       |              |                                                  |
| Porbeagle, Mackerel Shark [83288]                        |              | Species or species habitat                       |
|                                                          |              | likely to occur within area                      |
| Megaptera novaeangliae                                   |              |                                                  |
| Humpback Whale [38]                                      | Vulnerable   | Species or species habitat                       |
|                                                          |              | likely to occur within area                      |
| Orcinus orca                                             |              | _                                                |
| Killer Whale, Orca [46]                                  |              | Species or species habitat                       |
|                                                          |              | may occur within area                            |
| Rhincodon typus                                          | \            |                                                  |
| Whale Shark [66680]                                      | Vulnerable   | Species or species habitat may occur within area |
|                                                          |              | , Joseph Maint aroa                              |
| Migratory Terrestrial Species                            |              |                                                  |

| Name                                                               | Threatened            | Type of Presence                                       |
|--------------------------------------------------------------------|-----------------------|--------------------------------------------------------|
| Motacilla cinerea Grey Wagtail [642]                               |                       | Species or species habitat known to occur within area  |
| Migratory Wetlands Species                                         |                       |                                                        |
| Actitis hypoleucos Common Sandpiper [59309]                        |                       | Species or species habitat known to occur within area  |
| Calidris acuminata Sharp-tailed Sandpiper [874]                    |                       | Species or species habitat known to occur within area  |
| Calidris alba Sanderling [875]                                     |                       | Roosting known to occur within area                    |
| Calidris canutus Red Knot, Knot [855]                              | Endangered            | Species or species habitat likely to occur within area |
| Calidris ferruginea Curlew Sandpiper [856]                         | Critically Endangered | Species or species habitat known to occur within area  |
| Calidris melanotos Pectoral Sandpiper [858]                        |                       | Species or species habitat known to occur within area  |
| Calidris ruficollis Red-necked Stint [860]                         |                       | Roosting known to occur within area                    |
| Calidris tenuirostris Great Knot [862]                             | Critically Endangered | Roosting known to occur within area                    |
| Charadrius bicinctus Double-banded Plover [895]                    |                       | Species or species habitat known to occur within area  |
| Gallinago megala<br>Swinhoe's Snipe [864]                          |                       | Roosting likely to occur within area                   |
| Gallinago stenura Pin-tailed Snipe [841]                           |                       | Roosting likely to occur within area                   |
| Limosa lapponica Bar-tailed Godwit [844]                           |                       | Species or species habitat known to occur within area  |
| Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847] | Critically Endangered | Species or species habitat likely to occur within area |
| Numenius minutus Little Curlew, Little Whimbrel [848]              |                       | Roosting likely to occur within area                   |
| Pandion haliaetus Osprey [952]                                     |                       | Species or species habitat known to occur within area  |
| Tringa brevipes Grey-tailed Tattler [851]                          |                       | Roosting known to occur within area                    |
| Tringa nebularia Common Greenshank, Greenshank [832]               |                       | Species or species habitat known to occur within area  |

#### Other Matters Protected by the EPBC Act

Commonwealth Land [ Resource Information ] The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to

the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name

Commonwealth Land -

**Listed Marine Species** [ Resource Information ]

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

Threatened Type of Presence Name

Birds

**Actitis hypoleucos** 

Common Sandpiper [59309] Species or species habitat

known to occur within area

Apus pacificus

Fork-tailed Swift [678] Species or species habitat

likely to occur within area

Ardea ibis

Species or species habitat Cattle Egret [59542]

may occur within area

Calidris acuminata

Sharp-tailed Sandpiper [874] Species or species habitat

known to occur within area

Calidris alba

Sanderling [875] Roosting known to occur

within area

Calidris canutus

Endangered Red Knot, Knot [855] Species or species habitat

likely to occur within area

Calidris ferruginea

Curlew Sandpiper [856] Species or species habitat Critically Endangered

known to occur within area

Calidris melanotos

Pectoral Sandpiper [858] Species or species habitat

known to occur within area

Calidris ruficollis

Red-necked Stint [860] Roosting known to occur

within area

Calidris tenuirostris

Great Knot [862] Critically Endangered Roosting known to occur

within area

Catharacta skua

Great Skua [59472] Species or species habitat

may occur within area

Cereopsis novaehollandiae grisea

Cape Barren Goose (south-western), Recherche Cape Vulnerable Breeding known to occur

Barren Goose [25978] within area

Charadrius bicinctus

Double-banded Plover [895] Species or species habitat

known to occur within area

Charadrius ruficapillus

Red-capped Plover [881] Roosting known to occur

within area

Chrysococcyx osculans

Black-eared Cuckoo [705] Species or species habitat

likely to occur within area

| Name                                                                      | Threatened            | Type of Presence                                                   |
|---------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------|
| Diomedea antipodensis Antipodean Albatross [64458]  Diomedea dabbenena    | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| Tristan Albatross [66471]                                                 | Endangered            | Species or species habitat may occur within area                   |
| Diomedea epomophora Southern Royal Albatross [89221]                      | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| Diomedea exulans Wandering Albatross [89223]                              | Vulnerable            | Foraging, feeding or related behaviour likely to occur within area |
| Diomedea sanfordi Northern Royal Albatross [64456]                        | Endangered            | Foraging, feeding or related behaviour likely to occur within area |
| Eudyptula minor Little Penguin [1085]                                     |                       | Breeding known to occur within area                                |
| Gallinago megala Swinhoe's Snipe [864]                                    |                       | Roosting likely to occur within area                               |
| Gallinago stenura Pin-tailed Snipe [841]                                  |                       | Roosting likely to occur within area                               |
| Haliaeetus leucogaster White-bellied Sea-Eagle [943]                      |                       | Species or species habitat known to occur within area              |
| Halobaena caerulea Blue Petrel [1059]                                     | Vulnerable            | Species or species habitat may occur within area                   |
| Heteroscelus brevipes Grey-tailed Tattler [59311]                         |                       | Roosting known to occur within area                                |
| Himantopus himantopus Pied Stilt, Black-winged Stilt [870]                |                       | Species or species habitat known to occur within area              |
| Larus novaehollandiae Silver Gull [810]                                   |                       | Breeding known to occur within area                                |
| Larus pacificus Pacific Gull [811]                                        |                       | Breeding known to occur within area                                |
| Limosa lapponica Bar-tailed Godwit [844]                                  |                       | Species or species habitat known to occur within area              |
| Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060] | Endangered            | Species or species habitat may occur within area                   |
| Macronectes halli Northern Giant Petrel [1061]                            | Vulnerable            | Species or species habitat may occur within area                   |
| Merops ornatus Rainbow Bee-eater [670]                                    |                       | Species or species habitat may occur within area                   |
| Motacilla cinerea Grey Wagtail [642]                                      |                       | Species or species habitat known to occur within area              |
| Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]        | Critically Endangered | Species or species habitat likely to occur                         |

| Name                                                                                     | Threatened | Type of Presence                                                   |
|------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------|
|                                                                                          |            | within area                                                        |
| Numenius minutus Little Curlew, Little Whimbrel [848]                                    |            | Roosting likely to occur within area                               |
| Pachyptila turtur Fairy Prion [1066]                                                     |            | Species or species habitat may occur within area                   |
| Pandion haliaetus Osprey [952]                                                           |            | Species or species habitat known to occur within area              |
| Pelagodroma marina White-faced Storm-Petrel [1016]                                       |            | Breeding known to occur within area                                |
| Phalacrocorax fuscescens Black-faced Cormorant [59660]                                   |            | Breeding known to occur within area                                |
| Pterodroma macroptera Great-winged Petrel [1035]                                         |            | Breeding likely to occur within area                               |
| Pterodroma mollis Soft-plumaged Petrel [1036]                                            | Vulnerable | Species or species habitat may occur within area                   |
| Puffinus assimilis Little Shearwater [59363]                                             |            | Breeding known to occur within area                                |
| Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]              |            | Breeding known to occur within area                                |
| Puffinus griseus Sooty Shearwater [1024]                                                 |            | Species or species habitat may occur within area                   |
| Puffinus tenuirostris Short-tailed Shearwater [1029]                                     |            | Breeding known to occur within area                                |
| Recurvirostra novaehollandiae Red-necked Avocet [871]                                    |            | Species or species habitat known to occur within area              |
| Sterna anaethetus Bridled Tern [814]                                                     |            | Foraging, feeding or related behaviour likely to occur within area |
| Sterna caspia Caspian Tern [59467]                                                       |            | Breeding known to occur within area                                |
| Thalassarche carteri Indian Yellow-nosed Albatross [64464]                               | Vulnerable | Foraging, feeding or related behaviour may occur within area       |
| Thalassarche cauta Shy Albatross [89224]                                                 | Endangered | Foraging, feeding or related behaviour likely to occur within area |
| <u>Thalassarche impavida</u> Campbell Albatross, Campbell Black-browed Albatross [64459] | Vulnerable | Species or species habitat may occur within area                   |
| Thalassarche melanophris Black-browed Albatross [66472]                                  | Vulnerable | Species or species habitat may occur within area                   |
| Thalassarche steadi White-capped Albatross [64462]                                       | Vulnerable | Foraging, feeding or related behaviour likely to occur within area |
| Thinornis rubricollis Hooded Plover [59510]                                              |            | Species or species habitat known to occur within area              |

| Name                                                                                                       | Threatened | Type of Presence                                      |
|------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------|
| Tringa nebularia Common Greenshank, Greenshank [832]                                                       |            | Species or species habitat known to occur within area |
| Fish                                                                                                       |            |                                                       |
| Acentronura australe Southern Pygmy Pipehorse [66185]                                                      |            | Species or species habitat may occur within area      |
| Campichthys galei Gale's Pipefish [66191]                                                                  |            | Species or species habitat may occur within area      |
| Heraldia nocturna Upside-down Pipefish, Eastern Upside-down Pipefish, Eastern Upside-down Pipefish [66227] |            | Species or species habitat may occur within area      |
| Hippocampus breviceps Short-head Seahorse, Short-snouted Seahorse [66235]                                  |            | Species or species habitat may occur within area      |
| Histiogamphelus cristatus Rhino Pipefish, Macleay's Crested Pipefish, Ring-back Pipefish [66243]           |            | Species or species habitat may occur within area      |
| <u>Leptoichthys fistularius</u> Brushtail Pipefish [66248]                                                 |            | Species or species habitat may occur within area      |
| <u>Lissocampus caudalis</u> Australian Smooth Pipefish, Smooth Pipefish [66249]                            |            | Species or species habitat may occur within area      |
| <u>Lissocampus runa</u> Javelin Pipefish [66251]                                                           |            | Species or species habitat may occur within area      |
| Maroubra perserrata Sawtooth Pipefish [66252]                                                              |            | Species or species habitat may occur within area      |
| Nannocampus subosseus Bonyhead Pipefish, Bony-headed Pipefish [66264]                                      |            | Species or species habitat may occur within area      |
| Notiocampus ruber Red Pipefish [66265]                                                                     |            | Species or species habitat may occur within area      |
| Phycodurus eques Leafy Seadragon [66267]                                                                   |            | Species or species habitat may occur within area      |
| Phyllopteryx taeniolatus Common Seadragon, Weedy Seadragon [66268]                                         |            | Species or species habitat may occur within area      |
| Pugnaso curtirostris Pugnose Pipefish, Pug-nosed Pipefish [66269]                                          |            | Species or species habitat may occur within area      |
| Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]                                    |            | Species or species habitat may occur within area      |
| Stigmatopora argus Spotted Pipefish, Gulf Pipefish, Peacock Pipefish [66276]                               |            | Species or species habitat may occur within area      |
| Stigmatopora nigra Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]                         |            | Species or species habitat may occur within area      |

| Name                                                                                                                                                                                                                                  | Threatened                         | Type of Presence                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Urocampus carinirostris</u>                                                                                                                                                                                                        |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hairy Pipefish [66282]                                                                                                                                                                                                                |                                    | Species or species habitat may occur within area                                                                                                                                                                                                                                                                                                                                                     |
| Vanacampus margaritifer                                                                                                                                                                                                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mother-of-pearl Pipefish [66283]                                                                                                                                                                                                      |                                    | Species or species habitat may occur within area                                                                                                                                                                                                                                                                                                                                                     |
| Vanacampus phillipi                                                                                                                                                                                                                   |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Port Phillip Pipefish [66284]                                                                                                                                                                                                         |                                    | Species or species habitat may occur within area                                                                                                                                                                                                                                                                                                                                                     |
| Vanacampus poecilolaemus  Longsnout Pipefish, Australian Long-snout Pipefish, Long-snouted Pipefish [66285]                                                                                                                           |                                    | Species or species habitat may occur within area                                                                                                                                                                                                                                                                                                                                                     |
| Mammals                                                                                                                                                                                                                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Arctocephalus forsteri                                                                                                                                                                                                                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Long-nosed Fur-seal, New Zealand Fur-seal [20]                                                                                                                                                                                        |                                    | Species or species habitat likely to occur within area                                                                                                                                                                                                                                                                                                                                               |
| Neophoca cinerea  Australian Sea-lion, Australian Sea Lion [22]                                                                                                                                                                       | Endangered                         | Species or species habitat likely to occur within area                                                                                                                                                                                                                                                                                                                                               |
| Reptiles                                                                                                                                                                                                                              |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Caretta caretta                                                                                                                                                                                                                       |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Loggerhead Turtle [1763]                                                                                                                                                                                                              | Endangered                         | Breeding likely to occur within area                                                                                                                                                                                                                                                                                                                                                                 |
| Chelonia mydas Green Turtle [1765]                                                                                                                                                                                                    | Vulnerable                         | Species or species habitat may occur within area                                                                                                                                                                                                                                                                                                                                                     |
| Dermochelys coriacea                                                                                                                                                                                                                  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Leatherback Turtle, Leathery Turtle, Luth [1768]                                                                                                                                                                                      | Endangered                         | Breeding likely to occur                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                       |                                    | within area                                                                                                                                                                                                                                                                                                                                                                                          |
| Whales and other Cetaceans                                                                                                                                                                                                            |                                    | [ Resource Information                                                                                                                                                                                                                                                                                                                                                                               |
| Whales and other Cetaceans Name                                                                                                                                                                                                       | Status                             | [ Resource Information ]                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                       | Status                             |                                                                                                                                                                                                                                                                                                                                                                                                      |
| Name                                                                                                                                                                                                                                  | Status                             | [ Resource Information ]                                                                                                                                                                                                                                                                                                                                                                             |
| Name<br>Mammals                                                                                                                                                                                                                       | Status                             | [ Resource Information ]                                                                                                                                                                                                                                                                                                                                                                             |
| Name  Mammals  Balaenoptera acutorostrata                                                                                                                                                                                             | Status Vulnerable                  | [Resource Information] Type of Presence  Species or species habitat                                                                                                                                                                                                                                                                                                                                  |
| Name  Mammals  Balaenoptera acutorostrata  Minke Whale [33]  Balaenoptera borealis                                                                                                                                                    |                                    | [Resource Information Type of Presence  Species or species habitat may occur within area  Species or species habitat                                                                                                                                                                                                                                                                                 |
| Name  Mammals  Balaenoptera acutorostrata  Minke Whale [33]  Balaenoptera borealis  Sei Whale [34]  Balaenoptera edeni                                                                                                                |                                    | [Resource Information] Type of Presence  Species or species habitat may occur within area  Species or species habitat may occur within area  Species or species habitat may occur within area                                                                                                                                                                                                        |
| Name Mammals Balaenoptera acutorostrata Minke Whale [33]  Balaenoptera borealis Sei Whale [34]  Balaenoptera edeni Bryde's Whale [35]  Balaenoptera musculus                                                                          | Vulnerable                         | [Resource Information] Type of Presence  Species or species habitat may occur within area                                                                                                                                                      |
| Name Mammals Balaenoptera acutorostrata Minke Whale [33]  Balaenoptera borealis Sei Whale [34]  Balaenoptera edeni Bryde's Whale [35]  Balaenoptera musculus Blue Whale [36]                                                          | Vulnerable                         | [Resource Information] Type of Presence  Species or species habitat may occur within area                                                                                                    |
| Name Mammals Balaenoptera acutorostrata Minke Whale [33]  Balaenoptera borealis Sei Whale [34]  Balaenoptera edeni Bryde's Whale [35]  Balaenoptera musculus Blue Whale [36]  Balaenoptera physalus Fin Whale [37]  Caperea marginata | Vulnerable  Endangered  Vulnerable | [Resource Information Type of Presence  Species or species habitat may occur within area  Species or species habitat may occur within area |

|                                                     | _          |                             |
|-----------------------------------------------------|------------|-----------------------------|
| Name                                                | Status     | Type of Presence            |
| Grampus griseus                                     |            |                             |
| Risso's Dolphin, Grampus [64]                       |            | Species or species habitat  |
|                                                     |            | may occur within area       |
|                                                     |            | •                           |
| <u>Lagenorhynchus obscurus</u>                      |            |                             |
| Dusky Dolphin [43]                                  |            | Species or species habitat  |
|                                                     |            | may occur within area       |
|                                                     |            |                             |
| Megaptera novaeangliae                              |            |                             |
| Humpback Whale [38]                                 | Vulnerable | Species or species habitat  |
|                                                     |            | likely to occur within area |
|                                                     |            |                             |
| Orcinus orca                                        |            |                             |
| Killer Whale, Orca [46]                             |            | Species or species habitat  |
|                                                     |            | may occur within area       |
|                                                     |            |                             |
| <u>Tursiops aduncus</u>                             |            |                             |
| Indian Ocean Bottlenose Dolphin, Spotted Bottlenose |            | Species or species habitat  |
| Dolphin [68418]                                     |            | likely to occur within area |
|                                                     |            |                             |
| <u>Tursiops truncatus s. str.</u>                   |            |                             |
| Bottlenose Dolphin [68417]                          |            | Species or species habitat  |
|                                                     |            | may occur within area       |

#### **Extra Information**

| State and Territory Reserves     | [Resource Information] |
|----------------------------------|------------------------|
| Name                             | State                  |
| Cape Le Grand                    | WA                     |
| Esperance 827 and Part 373 & 826 | WA                     |
| Helms Arboretum                  | WA                     |
| Lake Mortijinup                  | WA                     |
| Lake Warden                      | WA                     |
| Mullet Lake                      | WA                     |
| Recherche Archipelago            | WA                     |
| Shark Lake                       | WA                     |
| Unnamed WA04182                  | WA                     |
| Unnamed WA24511                  | WA                     |
| Unnamed WA24953                  | WA                     |
| Unnamed WA32259                  | WA                     |
| Unnamed WA42379                  | WA                     |
| Woody Island                     | WA                     |
| Woody Lake                       | WA                     |

# Invasive Species [Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

| Name                                          | Status | Type of Presence                                       |
|-----------------------------------------------|--------|--------------------------------------------------------|
| Birds                                         |        |                                                        |
| Anas platyrhynchos                            |        |                                                        |
| Mallard [974]                                 |        | Species or species habitat likely to occur within area |
| Columba livia                                 |        |                                                        |
| Rock Pigeon, Rock Dove, Domestic Pigeon [803] |        | Species or species habitat likely to occur within area |

| Name                                                                                                                 | Status | Type of Presence                                       |
|----------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------|
| Streptopelia senegalensis<br>Laughing Turtle-dove, Laughing Dove [781]                                               |        | Species or species habitat likely to occur within area |
| Sturnus vulgaris<br>Common Starling [389]                                                                            |        | Species or species habitat likely to occur within area |
| Mammals                                                                                                              |        |                                                        |
| Canis lupus familiaris Domestic Dog [82654]                                                                          |        | Species or species habitat likely to occur within area |
| Capra hircus<br>Goat [2]                                                                                             |        | Species or species habitat likely to occur within area |
| Felis catus<br>Cat, House Cat, Domestic Cat [19]                                                                     |        | Species or species habitat likely to occur within area |
| Feral deer<br>Feral deer species in Australia [85733]                                                                |        | Species or species habitat likely to occur within area |
| Mus musculus<br>House Mouse [120]                                                                                    |        | Species or species habitat likely to occur within area |
| Oryctolagus cuniculus<br>Rabbit, European Rabbit [128]                                                               |        | Species or species habitat likely to occur within area |
| Rattus rattus<br>Black Rat, Ship Rat [84]                                                                            |        | Species or species habitat likely to occur within area |
| Vulpes vulpes<br>Red Fox, Fox [18]                                                                                   |        | Species or species habitat likely to occur within area |
| Plants                                                                                                               |        |                                                        |
| Asparagus asparagoides<br>Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's<br>Smilax, Smilax Asparagus [22473] |        | Species or species habitat likely to occur within area |
| Carrichtera annua<br>Ward's Weed [9511]                                                                              |        | Species or species habitat may occur within area       |
| Lycium ferocissimum<br>African Boxthorn, Boxthorn [19235]                                                            |        | Species or species habitat likely to occur within area |
| Nationally Important Wetlands                                                                                        |        | [ Resource Information ]                               |
| Name                                                                                                                 |        | State                                                  |
| Lake Warden System  Mortijinup Lake System  Pink Lake                                                                |        | WA<br>WA<br>WA                                         |

#### Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

## Coordinates

-33.77958 121.86259

# Acknowledgements

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

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

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

Please feel free to provide feedback via the Contact Us page.