



# **Public Transport Authority**

Kenwick Biological Survey

November 2020

## **Executive summary**

The Public Transport Authority (PTA) has recognised the requirement to identify the environmental constraints of an area associated with the proposed Kenwick Rail Freight Facility. The survey area is 0.52 hectares (ha) and is located adjacent to Roe Highway, south of the Orrong Road overpass in Beckenham, City of Gosnells.

GHD Pty Ltd (GHD) was commissioned by PTA to undertake an ecological assessment of the survey area. The purpose of the survey was to delineate key flora, vegetation and fauna values within the survey area. The results will be used to identify and assess the ecological impacts of the project and inform the environmental assessment approvals process.

This report is subject to, and must be read in conjunction with, the limitations set out in section 1.6 and the assumptions and qualifications contained throughout this report.

#### **Key findings**

#### Vegetation and flora

- The survey area comprises of highly modified vegetation with a mix of planted and introduced species and some natural regeneration. The vegetation consists predominantly of a mixed shrubland of Melaleuca species, Acacia saligna, young Eucalyptus rudis, Calothamnus rupestris and \*Schinus terebinthifolius1 over an understorey completely dominated by weeds. The vegetation along the edge of railway and vehicle access track is completely dominated by the introduced grass \*Hyparrhenia hirta
- The vegetation remaining in the survey area is considered to be in Completely Degraded condition (0.412 ha) with extensive weed invasion occurring throughout the site. A total of 0.107 ha of the survey area is cleared (tracks, railway)
- No conservation significant ecological communities were identified within the survey area
- A total of 33 flora taxa (including subspecies and varieties) was recorded from the survey area during the field survey. This total comprised eight native taxa and 25 introduced (including naturalised) flora taxa
- Extensive weed invasion, which has replaced the entire ground layer, has occurred throughout the survey area. Of the 25 introduced taxa recorded within the survey area, one species, \*Gomphocarpus fruticosus (Narrowleaf Cottonbush), is listed as a Declared Pest under the Biosecurity and Management Act 2007
- No threatened flora listed under the EPBC Act and/or BC Act or Priority flora listed by the DBCA was recorded in the survey area.

#### **Fauna**

- The survey area comprises of two main habitat types consisting of open shrubland over grassland and open water (Woodlupine drain)
- During the field survey twelve fauna species were recorded within the survey area. No introduced fauna species were recorded
- One conservation significant fauna species, Forest Red-tailed Cockatoo (Calyptorhynchus banksii naso), was recorded during the field survey, flying over the survey area

<sup>1</sup> Use of \* denotes weed species

•	No suitable foraging, breeding or roosting habitat for Black Cockatoo was present within the survey area.

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## 1. Introduction

#### 1.1 Background

The Public Transport Authority (PTA) has recognised the requirement to identify the environmental constraints of an area associated with the proposed Kenwick Rail Freight Facility. The survey area is 0.52 hectares (ha) and is located adjacent to Roe Highway, south of the Orrong Road overpass in Beckenham, City of Gosnells (Figure 1, Appendix A).

#### 1.2 Purpose of the report

GHD Pty Ltd (GHD) was commissioned by PTA to undertake an ecological assessment of the survey area. The purpose of the survey was to delineate key flora, vegetation and fauna values within the survey area. The results will be used to identify and assess the ecological impacts of the project and inform the environmental assessment approvals process.

#### 1.3 Scope of works

GHD understands the scope of works is to include:

- A review of existing information relevant to the survey area
- Identification and mapping of vegetation community types present in the survey area, including the potential presence of Threatened or Priority Ecological Communities
- Identification and mapping of the vegetation condition within the survey area, including the location of any Weeds of National Significance or Declared Weeds
- Identification and mapping of black cockatoo breeding and foraging habitat and trees
- Targeted searches for significant flora and fauna
- A technical report (this document) that details the methods and results of the field survey
- Provision of relevant spatial data obtained during the survey.

# 1.4 Relevant legislation, conservation codes and background information

In Western Australia (WA) significant communities, and flora and fauna are protected under both Federal and State Government legislation. In addition, regulatory bodies also provide a range of guidance and information on expected standards and protocols for environmental surveys.

An overview of key legislation and guidelines, conservation codes and background information relevant to this project and provided in Appendix B.

#### 1.5 Limitations and assumptions

This report has been prepared by GHD for PTA and may only be used and relied on by PTA for the purpose agreed between GHD and the PTA as set out in section 1.2 of this report.

GHD otherwise disclaims responsibility to any person other than PTA arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible. The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by PTA and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the site may be different from the site conditions found at the specific sample points.

Site conditions may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the site conditions. GHD is also not responsible for updating this report if the site conditions change.

This report has assessed the values within the survey area, as shown in Figure 1, Appendix A. Should the survey area change or be refined, further assessment may be required.

## 2. Methodology

#### 2.1 Desktop assessment

Prior to the commencement of the field survey, a desktop assessment was undertaken to identify relevant ecological information pertaining to the survey area and to assist in survey design. The assessment included viewing GIS spatial files available from Government of Western Australia (GoWA 2020) and reviewing relevant reports and publicly available government managed databases. This included a review of:

- The Department of Agriculture, Water and the Environment (DAWE) Protected Matters
   Search Tool (PMST) to identify communities and species listed under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) potentially occurring within
   the survey area (Appendix C)
- The DBCA NatureMap database for flora and fauna species previously recorded within a 5 km buffer of the survey area (Appendix C)
- Existing datasets including previous pre-European vegetation mapping of the survey area
  (Beard 1979 and Heddle et al. 1980), aerial photography, geology/soils and hydrology
  information to provide background information on the variability of the environment, likely
  vegetation units and fauna habitats and to identify areas that potentially contain Threatened
  Ecological Communities (TECs) and Priority Ecological Communities (PECs).
- Identification of Environmentally Sensitive Areas (ESA), Bush Forever sites and Department of Biodiversity Conservation and Attractions (DBCA) - managed conservation estates and reserves.

#### 2.2 Field survey

#### 2.2.1 Flora and vegetation

GHD senior ecologist Erin Lynch (flora licence no. FB62000081-2) completed a reconnaissance flora and vegetation survey of the survey area on 19 August 2020. The field survey was undertaken to identify and describe the dominant vegetation units, assess vegetation condition, and search for significant flora taxa.

The survey methodology employed by GHD was undertaken with reference to the Environmental Protection Authority (EPA) Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment (EPA 2016).

#### Data collection

Field survey methods involved traversing the survey area by foot to characterise the dominant vegetation and record flora species (native and exotic) present in the survey area at the time of survey. A combination of photo points and opportunistic sampling were undertaken.

#### Vegetation units

Vegetation units were identified and boundaries delineated using a combination of aerial photography, topographical features and field data/observations. Vegetation units were described based on structure, dominant taxa and cover characteristics as defined by field observations.

#### **Vegetation condition**

The vegetation condition of the survey area was assessed and mapped in accordance with the vegetation condition rating scale for the South West and Interzone Botanical Provinces (EPA 2016). This scale recognises the intactness of vegetation, which is defined by the following:

- Completeness of structural levels
- Extent of weed invasion
- Historical disturbance from tracks and other clearing or dumping of rubbish
- The potential for natural or assisted regeneration.

The scale consists of six rating levels as outlined in Appendix B.

#### Targeted flora searches

Significant flora identified in the desktop assessment were targeted during the field survey. Potential habitats were searched by opportunistic sampling. If individuals were identified, the location and number of plants present were to be recorded using a handheld GPS.

#### Flora identification and nomenclature

Species well known to the senior ecologist were identified in the field; all other species were collected and assigned a unique collection number to facilitate tracking. Specimens collected during the field assessment were identified by the use of taxonomic literature, electronic keys and online electronic databases.

The conservation status of all recorded flora was compared against the current lists available on *FloraBase* (WA Herbarium 1998–) and the EPBC Act Threatened species database provided by DAWE (2020).

Nomenclature used in this report follows that used by the Western Australian Herbarium as reported on *FloraBase* (WA Herbarium 1998–).

#### 2.2.2 Black cockatoo and significant fauna

A black cockatoo habitat assessment of the survey area was undertaken con-currently with the vegetation and flora survey. The survey area was traversed on foot to identify and map suitable black cockatoo habitat. An assessment of the likelihood of occurrence of significant fauna was also undertaken based on database search results and previous local studies in consideration of fauna habitats occurring within the survey area.

The survey methodology employed by GHD was undertaken with reference to the EPA Technical Guidance – Terrestrial Fauna Surveys (EPA 2020).

#### Black cockatoo habitat assessment

The black cockatoo habitat assessment was undertaken in accordance with the EPBC Act referral guidelines for three threatened black cockatoo species: Carnaby's Cockatoo (endangered) *Calyptorhynchus latirostris*, Baudin's Cockatoo (vulnerable) *Calyptorhynchus baudinii*, Forest Red Tailed Black Cockatoo (vulnerable) *Calyptorhynchus banksii naso* (Department of Sustainability, Environment, Water, Populations and Communities (DSEWPaC) 2012). The assessment included:

 The identification and recording (via GPS) of the locations of potential and actual breeding habitat within the survey area (relevant tree species with a diameter at breast height (DBH) of >500 millimetres (mm) for Jarrah, Marri and Tuart or DBH of >300 mm for Wandoo or Salmon Gum)

- Identifying, describing and recording the size of existing tree hollows and any evidence of use by black cockatoos within the survey area
- Identifying, recording and describing the locations of potential night roosting habitat
- Identifying, recording and describing the locations of potential foraging habitat.

The survey distinguished between actual and potential breeding habitat as per the following:

- Actual nest trees: Evidenced as currently being used or have been used in the past
- Potential breeding habitat: trees with available hollows that do not show evidence of use now or in the past. Trees with hollows that do not show evidence of use now or in the past where the hollow is not available (e.g. hollows are occupied by bees or galahs); and those trees without hollows but which have the potential to develop hollows in the future, and which have DBH >500 mm or 300 mm for different species. This was a ground based assessment using binoculars to identify potential and/or actual breeding hollows.

#### Fauna species identification

Identification of fauna species was made in the field using available field guides and electronic guides. Nomenclature used in this report follows that used by the WA Museum and the DBCA NatureMap (DBCA 2007–) with the exception of birds, where by Christidis and Boles (2008) was used.

#### 2.3 Limitations

#### 2.3.1 Desktop limitations

Desktop investigations use a variety of online resources such as the WA Museum and DBCA *NatureMap* database, and the EPBC Act PMST (Appendix C). The EPBC Act PMST is based on bioclimatic modelling for the potential presence of species. As such, this does not represent actual records of the species within the area. The records from the DBCA *NatureMap* searches of threatened fauna provide more accurate information for the general area. However, some records of collections, sightings or trappings cannot be dated and often misrepresent the current range of threatened species

#### 2.3.2 Survey limitations

The EPA (2016, 2020) Technical Guide states flora and vegetation and fauna survey reports for environmental impact assessment in WA should contain a section describing the limitations of the survey methods used. The limitations and constraints associated with this field survey are discussed in Table 1. Based on this assessment, the present survey effort has not been subject to any constraints which affect the thoroughness of the assessment or the conclusions that have been formed.

Table 1 Field survey limitations

Aspect	Constraint	Comment
Sources of information and availability of contextual information	乭	Adequate information is available for the project area:  Broad scale (1:250,000) mapping by Beard (1979) and digitised by Shepherd et al. (2002)
Scope (what life forms were sampled etc.)	Ē	Vascular flora and terrestrial vertebrate fauna were sampled during the survey. Non-vascular flora, invertebrate and aquatic fauna were not surveyed.
Proportion of flora collected and identified (based on sampling, timing and intensity) Proportion of fauna identified, recorded and/or collected	Minor	The vegetation and flora survey was undertaken in late winter 2020. The vegetation survey was a broad scale and targeted assessment, undertaken to identify and describe the dominant vegetation units and map conservation significant flora. As with any biological survey, ephemeral species such as orchids are not always present in each year/season or at the particular time a single botanical survey is conducted. A full flora species list is provided in Appendix D.  The black cockatoo habitat assessment was undertaken in conjunction with the flora and vegetation survey. The assessment was limited to identifying habitat types for black cockatoos and other significant fauna utilising the survey area. No sampling for invertebrates or aquatic species occurred.
Flora determination	Ē	Flora determination was undertaken by the GHD senior ecologist in the field. Species were identified to species level where possible. Some species, particularly grasses and herbs, may have been overlooked due to lack of material. None of these species were considered to be potential conservation significant flora.  The taxonomy and conservation status of the WA flora is dynamic. This report was prepared with reliance on taxonomy and conservation status current at the time report development, but it should be noted this may change in response to ongoing research and review of International Union for Conservation Nature criteria.
Completeness and further work which might be needed (e.g. was the relevant area fully surveyed)	Ē	The entire survey area was accessible on foot.
Mapping reliability	Minor	The vegetation was mapped using high-resolution ESRI aerial imagery obtained from Landgate, topographical features, previous broad scale mapping (Beard 1979) and field data. Data was recorded in the field using hand-held GPS tools (e.g. Samsung Galaxy Tablet S2). Certain atmospheric factors and other sources of error can affect the accuracy of GPS receivers. The GPS units used for this survey are accurate to within ±5 metres on average. Therefore the data points consisting of coordinates recorded from the GPS may contain inaccuracies.
Timing/weather/season/cycle	Minor	The field survey was conducted in late winter 2020. The timing of the flora and vegetation survey is not considered the most optimal time to complete surveys on the Swan Coastal Plain (SWA) (optimal time is during spring) however should be considered acceptable given the highly degraded nature of the site with little to no native understorey remaining.

Aspect	Constraint	nt Comment
		The weather conditions recorded during the survey are considered unlikely to have impacted upon the survey.
Disturbances (e.g. fire, flood, accidental human intervention)	Ē	Much of the project area has been subjected to historical disturbance events (e.g. clearing, drainage, vehicle tracks); however, these disturbances did not impact the survey.
Resources	Ē	Adequate resources were employed during the field survey.
Access restrictions	Ē	The entirety of the project area was accessible at the time of the survey.
Experience levels	Ē	The senior ecologist who executed the survey are practitioners suitably qualified and experienced in their respective fields. Erin Lynch (senior ecologist) has over 12 years' experience undertaking flora and fauna surveys within WA and on the SWA.

## 3. Desktop assessment

#### 3.1 Regional biogeography

The survey area is situated in the South West Botanical Province of Western Australia (Beard 1990) within the SWA bioregion and Perth sub-region described by the Interim Biogeographic Regionalisation of Australia (IBRA).

The SWA bioregion is a low lying coastal plain, mainly covered with woodlands. The Perth subregion is characterised by colluvial and aeolian sands, alluvial river flats and coastal limestone. Heath and/or Tuart woodlands occur on limestone, Banksia and Jarrah- Banksia woodlands on Quaternary marine dunes of various ages, and Marri on colluvial and alluvials. The region also includes a complex series of seasonal wetlands (Mitchell *et al.* 2002).

#### 3.2 Soils, geology and landforms

The SWA is comprised of five major geomorphological units, which lie more or less parallel to the coast. These geomorphological units are the Quindalup, Spearwood and Bassendean Dunes, the Pinjarra Plain and the Ridge Hill Shelf (McArthur and Bettenay 1960, Churchwood and McArthur 1980). The survey areas lies within the Pinjarra Plain which is an alluvial tract of unconsolidated clay and loams, with minor amounts of limestone, extending west from the Ridge Hill Shelf for 1.5 to 5 km. It consists of alluvial fans near the scarp and floodplains along the rivers.

Churchwood and McArthur (1980) identified the soils within the survey area as consisting of the Guildford soil unit which is described as flat plain with medium textured deposits; yellow duplex soils.

#### 3.3 Surface Water

The Woodlupine Brook/Drain traverses through the survey area. The Woodlupine Brook/Drain is situated in the Yule Brook Catchment and flows south into Yule Brook Main Drain. The drain discharges into the Canning River upstream of Kent Weir.

#### 3.4 Environmentally Sensitive Area

There are no Environmentally Sensitive Areas (ESA) located within or adjacent to the survey area. The closest known ESA is located approximately 450 m west and 600 m south of the survey area.

#### 3.5 Conservation reserves and estates

There are no conservation reserves or estates located within or adjacent to the survey area. The closest known nature reserves are located approximately 1 to 2 km south and east of the survey area which form the Kenwick Wetlands.

#### 3.6 Vegetation and flora

#### 3.6.1 Broad vegetation association

#### Vegetation associations

Broad scale (1:250,000) pre-European vegetation mapping of the study area has been completed by Beard (1979) at an association level. The mapping indicates the survey area intersects one vegetation association:

• Woodland southwest (association 968): Jarrah, marri and wandoo *Eucalyptus marginata, Corymbia calophylla, E. wandoo*.

The pre-European mapping has been adapted and digitised by Shepherd *et al.* (2002). The extent of the vegetation associations have been determined by the state-wide vegetation remaining extent calculations maintained by the DBCA (current as of March 2019 –Government of Australia (GoWA) 2019a). As shown in Table 2, the current extent of vegetation association 968 is less than 10 % of its pre-European extent at the IBRA bioregion, IBRA subregion and Local Government Authority (LGA) levels.

Table 2 Extents of vegetation complexes on the SWA mapped within the survey area (GoWA 2019a)

Vegetation association	Scale	Pre- European extent (ha)	Current extent (ha)	Remaining (%)	% Current extent in all DBCA managed land (proportion of current extent)
968	State: Western Australia	296,977.84	95,048.82	32.02	18.45
	IBRA Bioregion: SWA	136,188.20	9,017.32	6.62	1.43
	IBRA Subregion: Perth	136,188.20	9,017.32	6.62	1.43
	LGA: City of Gosnells	3,643.73	339.99	9.33	2.44

#### Vegetation complexes

Regional vegetation complex mapping has been completed by Heddle *et al.* (1980) with updates from Webb *et al.* (2016) based on major landform boundaries within the SWA and forested region of south-west Western Australia. The mapping indicates one vegetation complex is present within the survey area:

Guildford Complex – A mixture of open forest to tall open forest of Corymbia calophylla
 (Marri) – Eucalyptus wandoo (Wandoo) – Eucalyptus marginata (Jarrah) and woodland of
 Eucalyptus wandoo (Wandoo) (with rare occurrences of Eucalyptus lane-poolei (Salmon
 White Gum). Minor components include Eucalyptus rudis (Flooded Gum) – Melaleuca
 rhaphiophylla (Swamp paperbark).

GoWA (2019b) has assessed the vegetation complexes mapped by Heddle *et al.* (1980) and Webb *et al.* (2016) against presumed pre-European extents within the SWA IBRA bioregion (Table 3) and LGA levels (Table 4). These tables show the current extent of the vegetation complex within the survey area is less than 10% of their pre-European extents remaining within the SWA IBRA bioregion and the City of Gosnells.

Table 3 Extent of vegetation complexes on the SWA mapped within the survey area (GoWA 2019b)

Vegetation complex	Pre-European extent (ha)	Current extent (ha)	Remaining (%)	% Current extent in all DBCA managed lands
Guildford Complex	90,513.13	4,607.91	5.09	0.33

Table 4 Extent of vegetation complexes within the City of Gosnells for the survey area (GoWA 2019b)

Vegetation complex	Pre- European extent (ha)	Current extent (ha)	% of pre- European extent	Proportion of the vegetation complex within the LGA %
Guildford Complex	1,966.15	162.44	8.26	2.17

#### 3.6.2 Conservation significant ecological communities

The EPBC Act PMST (Appendix C) (DAWE 2020) identified the potential presence of four TEC's occurring within the survey area:

- Banksia Woodlands of the Swan Coastal Plain. Listed as Endangered under the EPBC Act
- Clay Pans of the Swan Coastal Plain. Listed as Critically Endangered under the EPBC Act
- Corymbia calophylla Kingia australis woodlands on heavy soils of the Swan Coastal Plain. Listed as Endangered under the EPBC Act
- Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community. Listed as Critically Endangered under the EPBC Act.

#### 3.6.3 Flora diversity

The *NatureMap* database (Appendix C) identified 981 flora taxa, representing 112 families and 376 genera previously recorded within the survey area. This total comprised 785 native taxa and 196 naturalised (introduced) taxa. Dominant families recorded included Fabaceae (87 taxa), Myrtaceae (75 taxa), Cyperaceae (74 taxa) and Proteaceae (71 taxa).

#### 3.6.4 Conservation significant flora

Searches of the EPBC Act PMST and *NatureMap* database (Appendix C) identified the presence/potential presence of 72 conservation significant flora taxa within a 5 km buffer of the survey area. The searches identified 30 Threatened taxa listed under the EPBC Act and/or BC Act and 42 Priority taxa listed by the DBCA.

The locations of conservation significant flora registered on the DBCA databases are mapped on Figure 2, Appendix A.

#### 3.7 Fauna

#### 3.7.1 Fauna diversity

The *NatureMap* database (Appendix C) identified 216 terrestrial vertebrate fauna species previously recorded within 5 km of the survey area. This total comprised 145 birds, 45 reptiles, 16 mammals and 10 amphibians. Of the 216 fauna species previously recorded 204 are native species and 12 are naturalised (introduced) species.

#### 3.7.2 Conservation significant fauna

Searches of the EPBC Act PMST and *NatureMap* (Appendix C) database identified the presence/potential presence of 24 conservation significant fauna within a 5 km buffer of the survey area.

The desktop searches identified:

11 species listed as Threatened under the EPBC Act and/or BC Act

- Seven bird species listed as Migratory only (terrestrial and wetland) under the EPBC Act and/or as Migratory species under the BC Act
- One species listed as Other Specially Protected fauna under the BC Act
- Five species listed as Priority by DBCA.

## 4. Survey results

#### 4.1 Flora and Vegetation

#### 4.1.1 Vegetation types

The survey area comprises of highly modified vegetation with a mix of planted and introduced species and some natural regeneration. The vegetation consists of a mixed shrubland of *Melaleuca* species, *Acacia saligna*, young *Eucalyptus rudis*, *Calothamnus rupestris* and \**Schinus terebinthifolius*<sup>2</sup> over an understorey completely dominated by weeds. The vegetation along the edge of railway and vehicle access track is completely dominated by the introduced grass \**Hyparrhenia hirta*.

Three vegetation types, not including cleared areas, have been mapped and described across the survey area:

- Typha Open Sedgeland
- \*Hyparrhenia<sup>2</sup> Closed Grassland
- Revegetation/Planted.

The vegetation types are described in further detail in Table 5 and mapped in Figure 2, Appendix A.

#### 4.1.2 Vegetation condition

The vegetation remaining in the survey area is considered to be in Completely Degraded condition (0.412 ha) with extensive weed invasion occurring throughout the site. A total of 0.107 ha of the survey area is cleared (tracks, railway). Based on historical aerial imagery, the entire survey area has previously been cleared as part of works associated with Roe Highway. Parts of the survey area have since revegetated as a result of replanting and some natural regeneration.

The vegetation condition of the survey area is mapped on Figure 3, Appendix A.

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<sup>&</sup>lt;sup>2</sup> Use of \* denotes weed species

Table 5 Vegetation types recorded within the survey area

Representative Photograph	
Total area (ha) 0.06 ha	0.208 ha
Vegetation description <sup>3</sup> Melaleuca viminalis (naturalised) and *Schinus terebinthifolius scattered trees over *Hibiscus diversifolius and *Gomphocarpus fruticosus scattered shrubs over Typha ?domingensis and Juncus pallidus open sedgeland over introduced grasses and herbs within and along the banks of a drain.	*Hyparrhenia hirta closed grassland over scattered introduced herbs.
Vegetation Type  Typha Open Sedgeland	* <i>Hyparrhenia</i> Closed Grassland

<sup>3</sup> Use of \* denotes weed species

Representative Photograph		
Total area (ha)	0.145 ha	0.107
Vegetation description <sup>3</sup>	Previously disturbed/cleared areas where a mixture of revegetation and natural regrowth has occurred. Mixture of locally native and non-native trees and shrubs scattered over an understorey completely dominated by introduced grasses and herbs.  Dominant trees and shrubs include young Eucalyptus rudis, Acacia saligna, Calothamnus quadrifidus, Melaleuca rhaphiophylla, Melaleuca sp. and Kunzea glabrescens.	Completely cleared of vegetation (vehicle tracks and railway).
Vegetation Type	Revegetation/Planted	Cleared

#### 4.1.3 Conservation significant ecological communities

Based on the results of the dominant species, landform features and field observations, no conservation significant ecological communities were identified within the survey area.

#### 4.1.4 Flora diversity

A total of 33 flora taxa (including subspecies and varieties) representing 14 families and 29 genera were recorded from the survey area during the field survey. This total comprised eight native taxa and 25 introduced (including naturalised) flora taxa.

Dominant families recorded from the survey area included:

- Poaceae (8 taxa)
- Myrtaceae (6 taxa)
- Asteraceae (4 taxa)
- Fabaceae (4 taxa).

A full inventory of flora taxa identified within the survey area is provided in Appendix D.

#### 4.1.5 Introduced flora

Extensive weed invasion, which has replaced the entire ground layer, has occurred throughout the survey area. Of the 25 introduced taxa recorded within the survey area, one species, \*Gomphocarpus fruticosus (Narrowleaf Cottonbush), is listed as a Declared Pest under the Biosecurity and Management Act 2007 (BAM Act).

No Weeds of National Significance were identified within the survey area.

#### 4.1.6 Conservation significant flora

No threatened flora listed under the EPBC Act and/or BC Act or Priority flora listed by the DBCA was recorded in the survey area.

One plant recorded in the survey area has been tentatively identified as *Melaleuca viminalis*. *Melaleuca viminalis* is listed Priority 2 by the DBCA. This slender tree/tall shrub, ranging from 2 to 3 m tall with weeping branches and red flowers was recorded scattered within and along the drain in the survey area. There is one record of this species occurring approximately 3 km north of the survey area, along Tonkin Highway (DBCA 2007-).

According to Craven et al. (2010) *Melaleuca viminalis* naturally occurs in the Kimberley region of Western Australia, in Queensland and in New South Wales. This species is one of the most commonly cultivated Melaleucas and is a common garden plant and street tree. The records of this species around the Perth region, including the survey area, are considered naturalised occurrences originating from cultivated plants.

No other conservation significant flora are considered likely to occur within the survey area based on the habitat requirements, efficacy and intensity of the survey, and flowering times of potential conservation significant flora known from the area.

#### 4.2 Fauna

#### 4.2.1 Fauna habitat

The survey area comprises of two main habitat types consisting of open shrubland over grassland and open water (Woodlupine drain). The small trees and shrubs provide good value fauna habitat, particularly for bird species, providing shelter and opportunistic food for some

species. The understorey throughout the survey area is completely dominated by introduced grasses and herbs which provides limited habitat value. Woodlupine brook/drain traverses the survey area and supports patches of *Typha* and other sedges, scattered Melaleucas (naturalised species) and a number of invasive weed species which dominate the ground cover. The water body would also be utilised by most fauna species as a water source and inhabited by species such as frogs.

#### 4.2.2 Fauna diversity

During the field survey 12 fauna species were recorded within the survey area, including 11 birds and one amphibian species. No introduced fauna species were recorded.

A full list of fauna recorded during the survey is provided in Appendix D.

#### 4.2.3 Conservation significant fauna

One conservation significant fauna species was recorded during the field survey: The Forest Red-tailed Cockatoo (*Calyptorhynchus banksii naso*) – listed as Vulnerable under the EPBC Act and BC Act. Three individuals were observed flying over the survey area.

No evidence of any conservation significant fauna species was recorded in the survey area during the survey. Given the condition and fragmented nature of the survey area, and its location between a main road and railway, it is not considered to contain significant habitat for threatened fauna.

#### 4.2.4 Targeted Black Cockatoo habitat assessment

No suitable foraging, breeding or roosting habitat is present within the survey area.

## 5. Discussion

The survey area comprises of highly modified vegetation with a mix of planted and introduced species and some natural regeneration. Based on historical aerial imagery, the entire survey area has previously been cleared as part of works associated with Roe Highway. Parts of the survey area have since revegetated as a result of replanting and some natural re-generation. The vegetation remaining in the survey area is considered to be in Completely Degraded condition with extensive weed invasion occurring throughout the site. Based on the results of the dominant species, landform features and field observations, no conservation significant ecological communities were identified within the survey area.

Of the 33 flora taxa (including subspecies and varieties) recorded from the survey area, 25 are introduced, with one \*Gomphocarpus fruticosus (Narrowleaf Cottonbush), listed as a Declared Pest under the BAM Act. Apart from one plant, which has been tentatively identified as Melaleuca viminalis (Priority 2), no other conservation significant flora are considered likely to occur within the survey area.

The survey area comprises of two main habitat types consisting of open shrubland over grassland and open water. The small trees and shrubs provide good value fauna habitat, particularly for bird species, but the understory dominated by introduced grasses and herbs would provide limited habitat value. Woodlupine drain would be utilised by most fauna species as a water source and inhabited by species such as frogs.

Eleven native birds and one native amphibian was recorded during the survey. Although three Forest Red-tailed Cockatoos were observed flying over the survey area, no suitable foraging, breeding or roosting habitat is present within the survey area.

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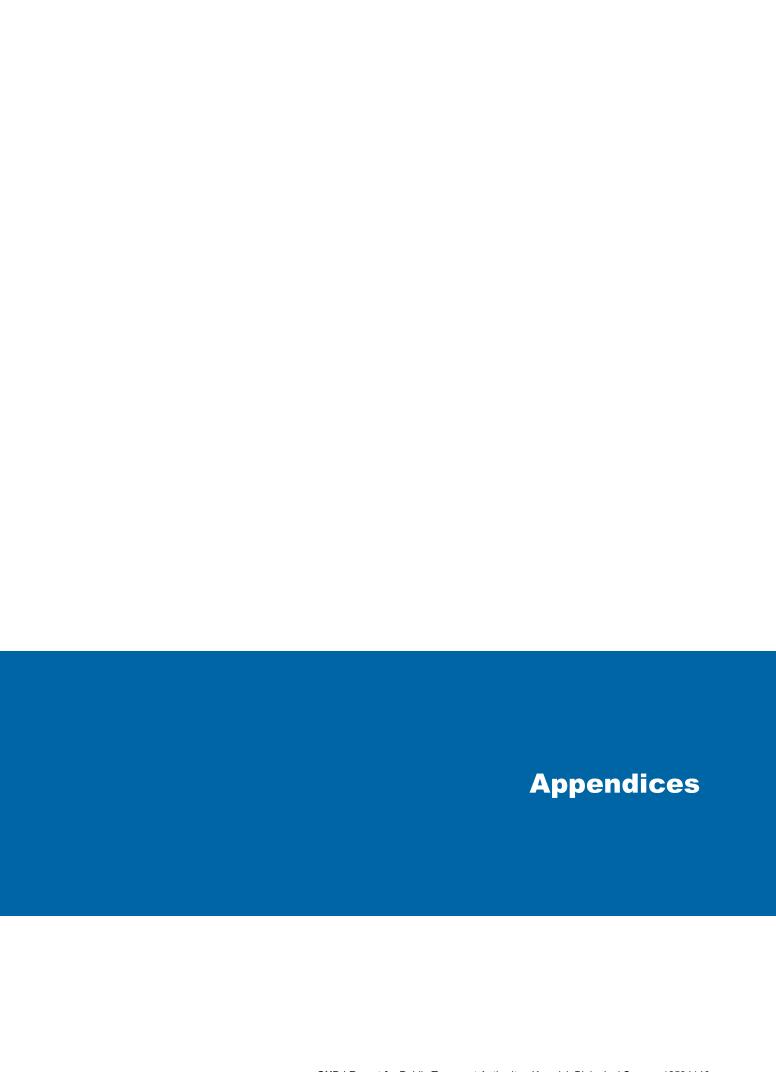
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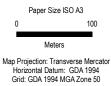
# **Appendix A** – Figures

Figure 1 Survey area

Figure 2 Vegetation types

Figure 3 Vegetation condition





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PTA Kenwick Biological Survey Project No. 12534146
Revision No. B
Date 30/09/2020

Survey Area

FIGURE 1



Paper Size ISO A3
0 25
Meters

Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 50





PTA Kenwick Biological Survey Project No. 12534146
Revision No. B
Date 19/10/2020

Vegetation Types

FIGURE 2



Paper Size ISO A3
0 25
Meters

Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 50





PTA Kenwick Biological Survey Project No. 12534146
Revision No. B
Date 19/10/2020

**Vegetation Condition** 

FIGURE 3

# **Appendix B** – Relevant legislation, background information and conservation code

#### Relevant legislation

#### Federal Environment Protection and Biodiversity Conservation Act 1999

The Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) is the Federal Government's central piece of environmental legislation. It provides a legal framework to protect and manage nationally and internationally important flora, fauna, ecological communities and heritage places, which are defined in the EPBC Act as Matters of National Environmental Significance (MNES).

The biological aspects listed as MNES include:

- Nationally threatened flora and fauna species and ecological communities
- Migratory species.

A person must not undertake an action that has, will have, or is likely to have a significant impact (direct or indirect) on MNES, without approval from the Federal Minister for the Environment.

The EPBC Act is administered by the Department of Agriculture, Water and the Environment (DAWE).

#### State Environmental Protection Act 1986

The *Environmental Protection Act 1986* (EP Act) is the primary legislative Act dealing with the protection of the environment in Western Australia. The Act allows the Environmental Protection Authority (EPA), to prevent, control and abate pollution and environmental harm, for the conservation, preservation, protection, enhancement and management of the environment and for matters incidental to or connected with the foregoing. Part IV of the EP Act is administered by the EPA and makes provisions for the EPA to undertake environmental impact assessment of significant proposals, strategic proposals and land use planning schemes.

The Department of Water and Environment Regulation (DWER) is responsible for administering the clearing provisions of the EP Act (Part V). Clearing of native vegetation in Western Australia requires a permit from the DWER, unless exemptions apply. Applications for clearing permits are assessed by the Department and decisions are made to grant or refuse the application in accordance with the Act. When making a decision the assessment considers clearing against the ten clearing principles as specified in Schedule 5 of the EP Act:

- a) Native vegetation should not be cleared if it comprises a high level of biodiversity.
- b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a significance habitat for fauna indigenous to Western Australia.
- c) Native vegetation should not be cleared if it includes, or is necessary, for the continued existence of rare flora.
- d) Native vegetation should not be cleared if it comprises the whole or part of native vegetation in an area that has been extensively cleared.
- e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.
- f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.
- g) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.
- h) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.

- Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.
- j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence of flooding.

Exemptions for clearing include clearing that is a requirement of a written law or authorised under certain statutory processes (listed in Schedule 6 of the EP Act) and exemptions for prescribed low impact day-to-day activities (prescribed in the Environmental Protection (Clearing of Native Vegetation) Regulations 2004); these exemptions do not apply in environmentally sensitive areas (ESAs).

#### State Biodiversity and Conservation Act 2016

The *Biodiversity Conservation Act 2016* (BC Act) provides for the conservation and protection of biodiversity and biodiversity components, as well as the promotion of the ecologically sustainable use of biodiversity components in Western Australia. The BC Act replaces both the repealed *Wildlife Conservation Act 1950* (WC Act) and the *Sandalwood Act 1929* (Sandalwood Act), as well as their associated regulations. To attain the objectives of the BC Act, principles of ecological sustainable development have been established:

- Decision-making processes should effectively integrate both long-term and short-term economic, environmental, social and equitable considerations
- If there are threats of serious or irreversible environmental damage, lack of full scientific certainty should not be used as a reason for postponing measures to prevent environmental degradation
- The present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations
- The conservation of biodiversity and ecological integrity should be a fundamental consideration indecision-making
- Improved valuation, pricing and incentive mechanisms should be promoted.

The BC Act is administered by the Department of Biodiversity Conservation and Attractions (DBCA).

#### State Biosecurity and Agriculture Management Act 2007

The *Biosecurity and Agriculture Management Act 2007* (BAM Act) and associated regulations are administered by the Department of Primary Industries and Regional Development (DPIRD) and replace the repealed *Agriculture and Related Resources Protection Act 1976*. The main purposes of the BAM Act and its regulations are to:

- Prevent new animal and plant pests (vermin and weeds) and diseases from entering WA
- Manage the impact and spread of those pests already present in the state
- Safely manage the use of agricultural and veterinary chemicals
- Increased control over the sale of agricultural products that contain violative chemical residues.

The Western Australian Organism List (WAOL) provides the status of organisms which have been categorised under the BAM Act. A Declared Pest is a prohibited organism or an organism for which a declaration under Section 22(2) of the Act is in force. Declared Pests may be assigned a control category including: C1 (exclusion), C2 (eradication) and C3 (management). The category may apply to the whole of the State, LGAs, districts, individual properties or even paddocks, and all landholders are obliged to comply with the specific category of control. Categories of control are defined below.

### **DPIRD Categories for Declared Pests under the BAM Act**

Control class code	Description
C1 (Exclusion)	Pests will be assigned to this category if they are not established in Western Australia and control measures are to be taken, including border checks, in order to prevent them entering and establishing in the State.
C2 (Eradication)	Pests will be assigned to this category if they are present in Western Australia in low enough numbers or in sufficiently limited areas that their eradication is still a possibility.
C3 (Management)	Pests will be assigned to this category if they are established in Western Australia but it is feasible, or desirable, to manage them in order to limit their damage. Control measures can prevent a C3 pest from increasing in population size or density or moving from an area in which it is established into an area which currently is free of that pest.

#### **Background information**

#### **Environmentally Sensitive Areas**

Environmentally Sensitive Areas (ESAs) are declared by the Minister for Environment under Section 51B of the EP Act. The Table below outlines the aspects of areas declared as ESA in the Environmental Protection (Environmentally Sensitive Areas) Notice 2005.

#### **Aspects of ESAs**

#### Aspects of Environmentally Sensitive Areas

A declared World Heritage property as defined in Section 13 of the EPBC Act.

An area that is included on the Register of the National Estate (RNE), because of its natural values, under the *Australian Heritage Commission Act 1975* of the Commonwealth (the RNE was closed in 2007 and is no longer a statutory list – all references to the RNE were removed from the EPBC Act on 19 February 2012).

A defined wetland and the area within 50 m of the wetland. Defined wetlands include Ramsar wetlands, conservation category wetlands and nationally important wetlands.

The area covered by vegetation within 50 m of rare flora, to the extent to which the vegetation is continuous with the vegetation in which the rare flora is located.

The area covered by a Threatened Ecological Community.

A Bush Forever Site listed in "Bush Forever" Volumes 1 and 2 (2000), published by the Western Australia Planning Commission, except to the extent to which the site is approved to be developed by the Western Australia Planning Commission.

The areas covered by the Environmental Protection (Gnangara Mound Crown Land) Policy 1992.

The areas covered by the Environmental Protection (Western Swamp Tortoise Habitat) Policy 2002.

The areas covered by the lakes to which the *Environmental Protection (Swan Coastal Plain Lakes) Policy 1992* (EPP Lakes) applies.

Protected wetlands as defined in the *Environmental Protection (South West Agricultural Zone Wetlands) Policy* 1998.

#### Reserves and conservation areas

#### Department of Biodiversity, Conservation and Attractions managed lands and waters

DBCA manages lands and waters throughout Western Australia to conserve ecosystems and species, and to provide for recreation and appreciation of the natural environment. DBCA managed lands and waters include national parks, conservation parks and reserves, marine parks and reserves, regional parks, nature reserves, State forest and timber reserves. Access to, or through, some areas of DBCA managed lands may require a permit or could be restricted due to management activities. Proposed land use changes and development proposals that abut DBCA managed lands will generally be referred to DBCA throughout the assessment process.

#### **Wetlands**

Wetlands include not only lakes with open water, but areas of seasonally, intermittently or permanently waterlogged soil.

Ramsar Wetlands (Wetlands of International Importance)

The Convention of Wetlands of International Importance was signed in 1971 at the Iranian town of Ramsar. The Convention has since been referred to as the Ramsar Convention. Ramsar Listed wetlands are "sites containing representative, rare or unique wetlands, or wetlands that are important for conserving biological diversity ... because of their ecological, botanical, zoological, limnological or hydrological importance" (DAWE 2020b). Once a Ramsar Listed Wetland is designated, the country agrees to manage its conservation and ensure its wise use. Under the Convention, wise use is broadly defined as "maintaining the ecological character of a wetland" (DAWE 2020b).

#### **Nationally important wetlands**

Wetlands of national significance are listed under the Directory of Important Wetlands in Australia. Nationally important wetlands are wetlands which meet at least one of the following criteria (DAWE 2020a):

- It is a good example of a wetland type occurring within a biogeographic region in Australia
- It is a wetland which plays an important ecological or hydrological role in the natural functioning of a major wetland system/complex
- It is a wetland which is important as the habitat for animal taxa at a vulnerable stage in their life cycles, or provides a refuge when adverse conditions such as drought prevail
- The wetland supports one percent or more of the national populations of any native plant or animal taxa
- The wetland supports native plant or animal taxa or communities which are considered endangered or vulnerable at the national level
- The wetland is of outstanding historical or cultural significance.

#### Vegetation extent and status

The National Objectives and Targets for Biodiversity Conservation 2001–2005 (Commonwealth of Australia 2001) recognise that the retention of 30 percent or more of the pre-clearing extent of each ecological community is necessary if Australia's biological diversity is to be protected. This is the threshold level below which species loss appears to accelerate exponentially and loss below this level should not be permitted. This level of recognition is in keeping with the targets recommended in the review of the National Strategy for the Conservation of Australia's Biological Diversity (ANZECC 2000).

The extent of remnant native vegetation in WA has been assessed by Shepherd et al. (2002) and the GoWA (2019), based on broadscale vegetation association mapping by Beard (various publications). The GoWA produces Statewide Vegetation Statistics Reports that are used for a number of purposes including conservation planning, land use planning and when assessing development applications. The reports are updated every 2-3 years.

#### **Vegetation condition**

The vegetation condition can be assessed in accordance with the vegetation condition rating scale for the South West and Interzone Botanical Provinces (EPA 2016a). The scale recognises the intactness of vegetation and consists of six rating levels as outlined below.

# Vegetation condition rating scale for the South West and Interzone Botanical Provinces

Condition	South West and Interzone Botanical Provinces description
Pristine	Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement.
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species. Damage to trees caused by fire, the presence of non-aggressive weeds and occasional vehicle tracks.
Very Good	Vegetation structure altered, obvious signs of disturbance. Disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging and grazing.
Good	Vegetation structure significantly altered by very obvious signs of multiple disturbances. Retains basic vegetation structure or ability to regenerate it. Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.
Degraded	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds at high density, partial clearing, dieback and grazing.
Completely Degraded	The structure of 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 or shrubs.

#### **Conservation codes**

Species of significant flora, fauna and communities are protected under both Federal and State Acts. The Federal EPBC Act provides a legal framework to protect and manage nationally important flora and communities. The State BC Act is the primary wildlife conservation legislation in Western Australia. Information on the conservation codes is summarised in the following sections.

#### **Ecological communities**

## Significant communities

Ecological communities are defined as naturally occurring biological assemblages that occur in a particular type of habitat (English and Blyth 1997). Federally listed Threatened Ecological Communities (TECs) are protected under the EPBC Act. The BC Act provides for the Minister to list an ecological community as a TEC (section 27), or as a collapsed ecological community (section 31) statutory listing of State TECs by the Minister. The legislation also describes statutory processes for preparing recovery plans for TECs, the registration of their critical habitat, and penalties for unauthorised modification of TECs.

Possible TECs that do not meet survey criteria are added to the DBCA Priority Ecological Community (PEC) List under Priorities 1, 2 and 3. These are ecological communities that are adequately known; are rare but not threatened, or meet criteria for Near Threatened. PECs that have been recently removed from the threatened list are placed in Priority 4. These ecological communities require regular monitoring. Conservation dependent ecological communities are placed in Priority 5. PECs are not listed under any formal Federal or State legislation, however, may be listed as TECs under the EPBC Act.

#### Codes and definitions for TECs listed under the EPBC Act and/ or BC Act

Categories	Definition	
Federal Government Conservation Categories (EPBC Act)		
Critically Endangered (CR)	An ecological community if, at that time, is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria (as outlined in Environment Protection and Biodiversity Conservation Regulations 2000)	
Endangered (EN)	An ecological community if, at that time:	
	<ul> <li>A) is not critically endangered; and</li> <li>B) is facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria (as outlined in Environment Protection and Biodiversity Conservation Regulations 2000)</li> </ul>	
Vulnerable (VU)	An ecological community if, at that time:	
	<ul> <li>A) is not critically endangered or endangered; and</li> <li>B) is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria (as outlined in Environment Protection and Biodiversity Conservation Regulations 2000)</li> </ul>	
Western Australia C	Conservation Categories (BC Act)	
Threatened Ecological Communities		
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.	

Categories	Definition	
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.	

## Collapsed ecological communities

An ecological community is eligible for listing as a collapsed ecological community at a particular time if, at that time —

- (a) there is no reasonable doubt that the last occurrence of the ecological community has collapsed); or
- (b) the ecological community has been so extensively modified throughout its range that no occurrence of it is likely to recover
  - (i) its species composition or structure; or
  - (ii) its species composition and structure.

Section 33 of the BC Act provides for a collapsed ecological community to be regarded as a threatened ecological community if it is discovered in a state that no longer makes it eligible for listing as a collapsed ecological community.

## Categories and definitions for PECS as listed by the DBCA

Category	Description
Priority 1	Poorly known ecological communities.
	Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤5 occurrences or a total area of ≤100 ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.
Priority 2	Poorly known ecological communities.
	Communities that are known from few occurrences with a restricted distribution (generally ≤10 occurrences or a total area of ≤200 ha). At least some occurrences are not believed to be under immediate threat of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.

Category	Description
Priority 3	Poorly known ecological communities.
	<ul> <li>(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:</li> <li>(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, or;</li> <li>(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, and inappropriate fire regimes.</li> <li>Communities may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and/or are not well defined, and known threatening processes exist that could affect them.</li> </ul>
Priority 4	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.
	<ul> <li>(i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands.</li> <li>(ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.</li> <li>(iii) Ecological communities that have been removed from the list of threatened communities during the past five years.</li> </ul>
Priority 5	Conservation Dependent ecological communities.  Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.

## Other significant vegetation

Vegetation may be significant for a range of reasons other than a statutory listing. The EPA (2016a, b) states that significant vegetation may include vegetation that includes the following:

- Restricted distribution
- Degree of historical impact from threatening processes
- A role as a refuge
- Providing an important function required to maintain ecological integrity of a significant ecosystem
- Local endemism in restricted habitats
- Novel combinations of taxa
- A role as a key habitat for Threatened species or large population representing a significant proportion of the local to regional total population of a species
- Being representative of a vegetation unit in 'pristine' condition in a highly cleared landscape,
   recently discovered range extensions, or isolated outliers of the main range.

This may apply at a number of levels, so the unit may be significant when considered at the fine-scale (intra-locality), intermediate-scale (locality or inter-locality) or broad-scale (local to region).

#### Flora and fauna

#### Significant flora and fauna

Species of significant flora are protected under both Federal and State legislation. Any activities that are deemed to have a significant impact on species that are recognised by the EPBC Act, and/or the BC Act can warrant referral to the DEE and/or the EPA.

The Federal conservation level of flora and fauna species and their significance status is assessed under the EPBC Act. The significance levels for flora and fauna used in the EPBC Act align with the International Union for Conservation of Nature (IUCN) Red List criteria, which are internationally recognised as providing best practice for assigning the conservation status of species. The EPBC Act also protects land and migratory species that are listed under International Agreements. The list of migratory species established under section 209 of the EPBC Act comprises:

- Migratory species which are native to Australia and are included in the appendices to the Bonn Convention (Convention on the Conservation of Migratory Species of Wild Animals Appendices I and II)
- Migratory species included in annexes established under the Japan-Australia Migratory Bird Agreement (JAMBA) and the China–Australia Migratory Bird Agreement (CAMBA)
- Native, migratory species identified in a list established under, or an instrument made under, an
  international agreement approved by the Minister, such as the republic of Korea–Australia
  Migratory Bird Agreement (ROKAMBA)

The State conservation level of flora and fauna species and their significance status also follows the IUCN Red List criteria. Under the BC Act flora and fauna can be listed as Threatened, Extinct and as Specially Protected species.

Threatened species are those are species which have been adequately searched for and are deemed to be, in the wild, either rare, under identifiable threat of extinction, or otherwise in need of special protection, and have been gazetted as such. The assessment of the conservation status of Threatened species is based on their national extent and ranked according to their level of threat using IUCN Red List categories and criteria. Specially protected species meet one or more of the following categories: species of special conservation interest; migratory species; cetaceans; species subject to international agreement; or species otherwise in need of special protection. Species that are listed as Threatened or Extinct species under the BC Act cannot also be listed as Specially Protected species.

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

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

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

For the purposes of this assessment, all species listed under the EPBC Act, BC Act and DBCA Priority species are considered significant.

## Categories and definitions for EPBC Act and BC Act listed flora and fauna species

Conservation category	Definition
Threatened species	
Critically Endangered (CR)	Threatened species considered to be "facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines".
	Listed as critically endangered under section 19(1)(a) of the BC Act in accordance with the criteria set out in section 20 and the ministerial guidelines.
Endangered (EN)	Threatened species considered to be "facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines".
	Listed as endangered under section 19(1)(b) of the BC Act in accordance with the criteria set out in section 21 and the ministerial guidelines
Vulnerable (VU)	Threatened species considered to be "facing a high risk of extinction in the wild in the medium term future, as determined in accordance with criteria set out in the ministerial guidelines".
	Listed as vulnerable under section 19(1)(c) of the BC Act in accordance with the criteria set out in section 22 and the ministerial guidelines.
Extinct species	
Extinct (EX)	Species where "there is no reasonable doubt that the last member of the species has died", and listing is otherwise in accordance with the ministerial guidelines (section 24 of the BC Act).
Extinct in the Wild (EW)	Species that "is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and it has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form", and listing is otherwise in accordance with the ministerial guidelines (section 25 of the BC Act).
Specially protected species	
Migratory (MI)	Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth; and listing is otherwise in accordance with the ministerial guidelines (section 15 of the BC Act).
	Includes birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA), China (CAMBA) and The Republic of Korea (ROKAMBA), and fauna subject to the Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention), an environmental treaty under the United Nations Environment Program. Migratory species listed under the BC Act are a subset of the migratory animals, that are known to visit Western Australia, protected under the international agreements or treaties, excluding species that are listed as Threatened species

Conservation category	Definition
Species of special conservation interest (conservation dependent fauna) (CD)	Fauna of special conservation need being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened.
Other specially protected fauna (OS)	Fauna otherwise in need of special protection to ensure their conservation, and listing is otherwise in accordance with the ministerial guidelines (section 18 of the BC Act).

## **Codes for DBCA listed Priority flora and fauna**

Priority category	Definition
Priority 1	Poorly-known taxa
	Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.
Priority 2	Poorly-known taxa
	Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, e.g. national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.
Priority 3	Poorly-known taxa
	Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.
Priority 4	Rare, Near Threatened and other taxa in need of monitoring
	<ul> <li>A. Rare: Taxa 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 taxa are usually represented on conservation lands.</li> <li>B. Near Threatened. Taxa that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.</li> <li>C. Taxa that have been removed from the list of threatened taxa during the past five years for reasons other than taxonomy.</li> </ul>

#### Other significant flora

Flora species, subspecies, varieties, hybrids and ecotypes may be significant for a range of reasons, other than a statutory listing. The EPA (2016a, b) states that significant flora may include taxa that have/are:

- A keystone role in a particular habitat for Threatened or Priority flora or fauna species, or large populations representing a considerable proportion of the local or regional total population of a species
- Relictual status, being representation of taxonomic or physiognomic groups that no longer occur widely in the broader landscape
- New species or anomalous features that indicate a potential new species
- Being representative of the range of a species (particularly, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range)
- Unusual species, including restricted subspecies, varieties, or naturally occurring hybrids
- Local endemism (a restricted distribution) or association with a restricted habitat type (e.g. surface water or groundwater dependent ecosystems)

#### Other significant fauna

Fauna species may be significant for a range of reasons other than those protected by international agreement or treaty, Specially Protected or Priority Fauna. Significant fauna may include short-range endemic species, species that have declining populations or declining distributions, species at the extremes of their range, or isolated outlying populations, or species which may be undescribed (EPA 2010).

#### Introduced plants (weeds)

### **Declared Pests**

Information on species considered to be Declared Pests is provided under *State Biosecurity and Agriculture Management Act 2007.* 

#### **Weeds of National Significance**

The spread of weeds across a range of land uses or ecosystems is important in the context of socioeconomic and environmental values. The assessment of Weeds of National Significance (WoNS) is based on four major criteria:

- Invasiveness
- Impacts
- Potential for spread
- Socio-economic and environmental values.

Australian state and territory governments have identified thirty-two Weeds of National Significance (WoNS); a list of 20 WoNS was endorsed in 1999 and a further 12 were added in 2012.

#### References

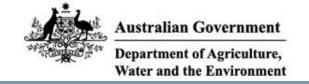
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## **Appendix C** – Desktop searches

EPBC Act PMST (5 km)

Naturemap Flora Report (5 km)

Naturemap Fauna Report (5 km)



## **EPBC Act Protected Matters Report**

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

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: 20/10/20 18:43:10

**Summary** 

Details

Matters of NES
Other Matters Protected by the EPBC Act

Caveat

<u>Acknowledgements</u>

**Extra Information** 



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

Coordinates
Buffer: 5.0Km



## 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:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	4
Listed Threatened Species:	41
Listed Migratory Species:	9

## Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the 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 permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	2
Commonwealth Heritage Places:	None
Listed Marine Species:	15
Whales and Other Cetaceans:	None
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:	6
Regional Forest Agreements:	None
Invasive Species:	46
Nationally Important Wetlands:	2
Key Ecological Features (Marine)	None

## Details

## Matters of National Environmental Significance

Listed Threatened Ecological Communities

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	
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Community likely to occur within area	
Clay Pans of the Swan Coastal Plain	Critically Endangered	Community likely to occur within area	
Corymbia calophylla - Kingia australis woodlands on heavy soils of the Swan Coastal Plain	Endangered	Community known to occur within area	
Tuart (Eucalyptus gomphocephala) Woodlands and Forests of the Swan Coastal Plain ecological community	Critically Endangered	Community may occur within area	
Listed Threatened Species		[ Resource Information ]	
Name	Status	Type of Presence	
Birds			
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	
<u>Calidris ferruginea</u>			
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	
Calyptorhynchus banksii naso			
Forest Red-tailed Black-Cockatoo, Karrak [67034]	Vulnerable	Species or species habitat known to occur within area	
Calyptorhynchus baudinii			
Baudin's Cockatoo, Long-billed Black-Cockatoo [769]	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	
<u>Leipoa ocellata</u>			
Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area	
Numenius madagascariensis			
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	
Rostratula australis			
Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	
Insects			
<u>Leioproctus douglasiellus</u>			
a short-tongued bee [66756]	Critically Endangered	Species or species habitat known to occur within area	

[Resource Information]

Name	Status	Type of Presence
Mammals		31
Dasyurus geoffroii		
Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat known to occur within area
Pseudocheirus occidentalis		
Western Ringtail Possum, Ngwayir, Womp, Woder,	Critically Endangered	Species or species habitat
Ngoor, Ngoolangit [25911]	on acting and acting and acting and acting a	may occur within area
Cataniy brashyumus		
Setonix brachyurus	Modern a male la	Consider an arradical babitat
Quokka [229]	Vulnerable	Species or species habitat
		likely to occur within area
Other		
Westralunio carteri		
Carter's Freshwater Mussel, Freshwater Mussel	Vulnerable	Species or species habitat
[86266]		known to occur within area
Di v		
Plants		
Acacia anomala		
Grass Wattle, Chittering Grass Wattle [8153]	Vulnerable	Species or species habitat
		likely to occur within area
Andersonia gracilis		
Slender Andersonia [14470]	Endangered	Species or species habitat
Olerider / tridersorria [1447 0]	Endangered	known to occur within area
		mem to occur mami area
Austrostipa bronwenae		
[87808]	Endangered	Species or species habitat
•		known to occur within area
Banksia mimica		
Summer Honeypot [82765]	Endangered	Species or species habitat
		likely to occur within area
Caladenia huegelii		
	Endongered	Charles or angeles habitat
King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat likely to occur within area
Spider-ordina [7309]		likely to occur within area
Calytrix breviseta subsp. breviseta		
Swamp Starflower [23879]	Endangered	Species or species habitat
, , ,	3	known to occur within area
Chamelaucium sp. Gingin (N.G.Marchant 6)		
Gingin Wax [88881]	Endangered	Species or species habitat
		may occur within area
Conospermum undulatum		
·	Vulnerable	Charles or angeles habitat
Wavy-leaved Smokebush [24435]	vuinerable	Species or species habitat likely to occur within area
		incery to occur within area
Darwinia apiculata		
Scarp Darwinia [8763]	Endangered	Species or species habitat
	J	may occur within area
<u>Diplolaena andrewsii</u>		
[6601]	Endangered	Species or species habitat
		likely to occur within area
Diurio drummondii		
Diuris drummondii		
Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat
		likely to occur within area
Diuris micrantha		
Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat
B wall Boo oronia [cocc2]	Valiforable	likely to occur within area
		•
Diuris purdiei		
Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat
		known to occur within area
B 1 1 0		
Drakaea elastica		
Glossy-leafed Hammer Orchid, Glossy-leaved	Endangered	Species or species

Name	Status	Type of Presence
Hammer Orchid, Warty Hammer Orchid [16753]		habitat likely to occur within area
<u>Drakaea micrantha</u> Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat may occur within area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat known to occur within area
Eremophila glabra subsp. chlorella [84927]	Endangered	Species or species habitat known to occur within area
Eucalyptus x balanites Cadda Road Mallee, Cadda Mallee [87816]	Endangered	Species or species habitat may occur within area
Goodenia arthrotricha [12448]	Endangered	Species or species habitat likely to occur within area
Grevillea curviloba subsp. incurva Narrow curved-leaf Grevillea [64909]	Endangered	Species or species habitat likely to occur within area
Grevillea thelemanniana Spider Net Grevillea [32835]	Critically Endangered	Species or species habitat known to occur within area
Lepidosperma rostratum Beaked Lepidosperma [14152]	Endangered	Species or species habitat known to occur within area
Macarthuria keigheryi Keighery's Macarthuria [64930]	Endangered	Species or species habitat likely to occur within area
Ptilotus pyramidatus Pyramid Mulla-mulla [18216]	Critically Endangered	Species or species habitat known to occur within area
Synaphea sp. Fairbridge Farm (D. Papenfus 696) Selena's Synaphea [82881]	Critically Endangered	Species or species habitat known to occur within area
Synaphea sp. Pinjarra Plain (A.S. George 17182) [86878]	Endangered	Species or species habitat may occur within area
Thelymitra dedmaniarum Cinnamon Sun Orchid [65105]	Endangered	Species or species habitat likely to occur within area
Thelymitra stellata Star Sun-orchid [7060]	Endangered	Species or species habitat known to occur within area
Listed Migratory Species		[ Resource Information ]
* Species is listed under a different scientific name on		d Species list.
Name Migratory Marine Birds	Threatened	Type of Presence
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
M' ( M) (I I O )		

Migratory Wetlands Species

		T (5
Name	Threatened	Type of Presence
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata		
Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea		
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos		
Pectoral Sandpiper [858]		Species or species habitat may occur within area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus		
Osprey [952]		Breeding known to occur within area
<u>Tringa nebularia</u>		
Common Greenshank, Greenshank [832]		Species or species habitat likely 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 -

<u>Calidris melanotos</u> Pectoral Sandpiper [858]

Commonwealth Land - Defence - AIRTC CANNINGTON		
Listed Marine Species		[Resource Information]
* Species is listed under a different scientific name on		
Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba		
Great Egret, White Egret [59541]		Breeding known to occur within area
Ardea ibis		
Cattle Egret [59542]		Species or species habitat may occur within area
Calidris acuminata		
Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea		
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area

Species or species habitat

may occur within

Name	Threatened	Type of Dresence
name	Inreatened	Type of Presence
		area
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat
		likely to occur within area
Merops ornatus		
•		Cuarias au ausaisa babitat
Rainbow Bee-eater [670]		Species or species habitat may occur within area
		may occur within area
Motacilla cinerea		
Grey Wagtail [642]		Species or species habitat
0.0)g [0.1_]		may occur within area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat
		may occur within area
D. P. J. P. A.		
Pandion haliaetus		
Osprey [952]		Breeding known to occur
Destrutula hanahalansia (asnay lata)		within area
Rostratula benghalensis (sensu lato)	*	C
Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
		likely to occur within area
Thinornis rubricollis		
Hooded Plover [59510]		Species or species habitat
		likely to occur within area
		,
<u>Tringa nebularia</u>		
Common Greenshank, Greenshank [832]		Species or species habitat
		likely to occur within area

## **Extra Information**

State and Territory Reserves	[Resource Information]
Name	State
Canning River	WA
Dundas Road	WA
Kenwick Wetlands	WA
Unnamed WA29815	WA
Unnamed WA37997	WA
Unnamed WA49363	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		
Acridotheres tristis		
Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos		
Mallard [974]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Carduelis carduelis European Goldfinch [403]		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
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Passer montanus Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Streptopelia senegalensis Laughing Turtle-dove, Laughing Dove [781]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Turdus merula Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Feral deer Feral deer species in Australia [85733]		Species or species habitat likely to occur within area
Funambulus pennantii Northern Palm Squirrel, Five-striped Palm Squirrel [129]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus norvegicus Brown Rat, Norway Rat [83]		Species or species habitat likely to occur within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Sus scrofa		
Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes		
Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Anredera cordifolia		Charles or angeles habitat
Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643] Asparagus aethiopicus		Species or species habitat likely to occur within area
Asparagus Fern, Ground Asparagus, Basket Fern,		Species or species habitat
Sprengi's Fern, Bushy Asparagus, Emerald Asparagus [62425] Asparagus asparagoides		likely to occur within area
Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's		Species or species habitat
Smilax, Smilax Asparagus [22473]		likely to occur within area
Asparagus declinatus		0
Bridal Veil, Bridal Veil Creeper, Pale Berry Asparagus Fern, Asparagus Fern, South African Creeper [66908]		Species or species habitat likely to occur within area
Asparagus plumosus		Onnaine and an in the little
Climbing Asparagus-fern [48993]		Species or species habitat likely to occur within area
Brachiaria mutica		
Para Grass [5879]		Species or species habitat may occur within area
Cenchrus ciliaris		
Buffel-grass, Black Buffel-grass [20213]		Species or species habitat may occur within area
Chrysanthemoides monilifera		
Bitou Bush, Boneseed [18983]		Species or species habitat may occur within area
Chrysanthemoides monilifera subsp. monilifera		
Boneseed [16905]		Species or species habitat likely to occur within area
Eichhornia crassipes		
Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat likely to occur within area
Genista linifolia		
Flax-leaved Broom, Mediterranean Broom, Flax Broom [2800]		Species or species habitat likely to occur within area
Genista monspessulana		
Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom [20126]		Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana		
Broom [67538]		Species or species habitat may occur within area
Lantana camara		
Lantana, Common Lantana, Kamara Lantana, Largeleaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Lycium ferocissimum		
African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area
Olea europaea		Onesia
Olive, Common Olive [9160]		Species or species habitat

Olive, Common Olive [9160]

Species or species habitat may occur within

Name	Status	Type of Presence
0 "		area
Opuntia spp. Prickly Pears [82753]		Species or species habitat likely to occur within area
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Pine [20780]	Wilding	Species or species habitat may occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		Species or species habitat likely to occur within area
Sagittaria platyphylla Delta Arrowhead, Arrowhead, Slender Arro [68483]	whead	Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x caloder Willows except Weeping Willow, Pussy Wil Sterile Pussy Willow [68497]		Species or species habitat likely to occur within area
Salvinia molesta Salvinia, Giant Salvinia, Aquarium Watermo Weed [13665]	oss, Kariba	Species or species habitat likely to occur within area
Tamarix aphylla Athel Pine, Athel Tree, Tamarisk, Athel Tar Athel Tamarix, Desert Tamarisk, Flowering Salt Cedar [16018]	· · · · · · · · · · · · · · · · · · ·	Species or species habitat likely to occur within area
Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Nationally Important Wetlands		[ Resource Information ]
Name		State
Brixton Street Swamps		WA
Perth Airport Woodland Swamps		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 qualifications 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

-32.00725 115.97453

## 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.



# **NatureMap Species Report**

Created By Guest user on 21/09/2020

Kingdom Plantae
Current Names Only Yes
Core Datasets Only Yes

Method 'By Circle'

Centre 115° 58' 24" E,32° 00' 31" S

Buffer 5km

Group By Family

Family	Species	Record
Alliaceae	1	4
Amaranthaceae Amaryllidaceae	6 2	1
Anacardiaceae	1	
Anarthriaceae	4	2
Apiaceae	10	4
Apocynaceae	2	
Aponogetonaceae	1	1
Araceae	4	•
Araliaceae Archidiaceae	6 1	3
Asparagaceae	32	11
Asphodelaceae	2	
Asteraceae	49	17
Basellaceae	1	
Boryaceae	2	1
Brassicaceae	4	
Bryaceae	6	
Byblidaceae	1	
Cactaceae	2 6	2
Campanulaceae Caprifoliaceae	1	2
Caryophyllaceae	1	
Casuarinaceae	3	1
Celastraceae	1	
Centrolepidaceae	10	5
Chenopodiaceae	3	
Colchicaceae	7	3
Convolvulaceae	<u>1</u>	
Crassulaceae	7	1
Cucurbitaceae	2	
Cupressaceae	2 74	1
Cyperaceae Dasypogonaceae	6	30 2
Dicranaceae	2	2
Dilleniaceae	13	3
Dioscoreaceae	1	·
Ditrichaceae	1	
Droseraceae	19	8
Elaeocarpaceae	3	
Elatinaceae	1	
Ericaceae	22	5
Euphorbiaceae	7	1 26
Fabaceae Fissidentaceae	87 2	20
Finariaceae	1	
Gentianaceae	3	2
Goodeniaceae	14	7
Haemodoraceae	33	14
Haloragaceae	8	2
Hemerocallidaceae	12	3
Hydatellaceae	2	2
Hydrocharitaceae	2	
Hypoxidaceae	2	_
ridaceae	21	7
Juncaceae	5 10	1 2
Juncaginaceae Lamiaceae	5	1
Lauraceae	8	2
Lentibulariaceae	4	1
inaceae	1	
_oganiaceae	1	
oranthaceae	2	
_ycopodiaceae	1	
_ythraceae	1	
Macarthuriaceae	2	2
Malvaceae	7	3
Marsileaceae Meliaceae	1	
Meliaceae Menyanthaceae	1 3	1
Menyanthaceae Montiaceae	3 5	1
Myrtaceae Myrtaceae	75	28
Nymphaeaceae	1	20
Olacaceae	2	

Department of Biodiversity, Conservation and Attraction





81 3566
1
8 22 1 1
1 3
1 1
2 9
5 22
32 157
1 1
1 1
1 3
1 16
1 3
8 20
2 6
1 1
5 9
18 89
1 1
1 1
71 418
3 8
3 6
2 4
1 1
5 9
6 16
65 208
3 14
2 2
1 2
1 1
3 27
4 6
4 9
3 6
49 116







		Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Quer Area
Alliaceae					
1.	1381	Nothoscordum gracile	Υ		
Amaranthac	eae				
2.	2648	Alternanthera denticulata (Lesser Joyweed)			
3.	2655	Amaranthus albus (Tumbleweed)	Υ		
4.		Ptilotus declinatus (Curved Mulla Mulla)			
5.		Ptilotus esquamatus			
6.		Ptilotus manglesii (Pom Poms, Mulamula)		_	
7.	2753	Ptilotus pyramidatus		Т	Υ
Amaryllidac	eae				
8.	44496	Narcissus tazetta subsp. italicus	Υ		
9.	44495	Narcissus tazetta subsp. tazetta	Υ		
Anacardiace	eae				
10.		Schinus terebinthifolia	Υ		
A 41					
Anarthriace		A			
11.		Anarthria gracilis			
12.		Anarthria laevis			
13. 14.		Lyginia barbata Lyginia imberbis			
14.	10049	Lygirila imberbis			
Apiaceae					
15.	6214	Centella asiatica			
16.		Eryngium pinnatifidum (Blue Devils)			
17.		Eryngium pinnatifidum subsp. Palustre (G.J. Keighery 13459)		P3	
18.	41810	Eryngium sp. Subdecumbens (G.J. Keighery 5390)		P3	
19.		Homalosciadium homalocarpum			
20.		Platysace filiformis			
21.		Platysace juncea			
22.		Platysace ramosissima		P3	
23.		Schoenolaena juncea			
24.	6289	Xanthosia huegelii			
Apocynacea	ae				
25.	17355	Araujia sericifera	Υ		
26.	6587	Gomphocarpus fruticosus (Narrowleaf Cottonbush)	Υ		
Aponogetor	naceae				
27.		Aponogeton hexatepalus (Stalked Water Ribbons)		D.4	
	141			P4	
<b>A</b>	141	Apollogotor rickatopalus (Stantou Water Nibborts)		P4	
Araceae				P4	
28.	32999	Colocasia esculenta var. esculenta	Y	P4	
28. 29.	32999 28342	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed)	Y	P4	
28. 29. 30.	32999 28342 1051	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed)		P4	
28. 29.	32999 28342 1051	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed)	Y	Ρ4	
28. 29. 30. 31.	32999 28342 1051	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed)		Ρ4	
28. 29. 30. 31.	32999 28342 1051 1049	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed)		Ρ4	
28. 29. 30. 31. <b>Araliaceae</b>	32999 28342 1051 1049 6223 6226	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort)		P4	
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34.	32999 28342 1051 1049 6223 6226 6229	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha			
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34.	32999 28342 1051 1049 6223 6226 6229 6233	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort)	Y	P4	
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34. 35.	32999 28342 1051 1049 6223 6226 6229 6233 6238	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides			
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34.	32999 28342 1051 1049 6223 6226 6229 6233 6238	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort)	Y		
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34. 35. 36. 37.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides	Y		
28. 29. 30. 31. <b>Araliaceae</b> 32. 33. 34. 35. 36. 37.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 <b>e</b> 32314	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 <b>e</b> 32314	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 e 32314	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus)	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280  1201 1201 1287	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280  1201 1201 1287 1289	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1205 1201 1287 1289 1307	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily)	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1205 1201 1287 1289 1307 11911	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia sessiliflora subsp. australis	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45. 46.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464 1309	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia squarrosa	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45. 46. 47.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464 1309 1223	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia squarrosa Lomandra caespitosa (Tufted Mat Rush)	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45. 46. 47. 48.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464 1309 1223 1228	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia squarrosa Lomandra caespitosa (Tufted Mat Rush) Lomandra hermaphrodita	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464 1309 1223 1228 1229	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia squarrosa Lomandra caespitosa (Tufted Mat Rush) Lomandra integra	Y		
28. 29. 30. 31.  Araliaceae 32. 33. 34. 35. 36. 37.  Archidiacea 38.  Asparagace 39. 40. 41. 42. 43. 44. 45. 46. 47. 48.	32999 28342 1051 1049 6223 6226 6229 6233 6238 6280 1201 1287 1289 1307 11911 11464 1309 1223 1228 1229	Colocasia esculenta var. esculenta Landoltia punctata (Thin Duckweed) Lemna disperma (Duckweed) Zantedeschia aethiopica (Arum Lily)  Hydrocotyle alata Hydrocotyle callicarpa (Small Pennywort) Hydrocotyle diantha Hydrocotyle lemnoides (Aquatic Pennywort) Hydrocotyle ranunculoides Trachymene pilosa (Native Parsnip)  Archidium rehmannii  Acanthocarpus canaliculatus Asparagus officinalis (Asparagus) Dichopogon capillipes Dichopogon preissii Laxmannia ramosa (Branching Lily) Laxmannia ramosa subsp. ramosa Laxmannia squarrosa Lomandra caespitosa (Tufted Mat Rush) Lomandra hermaphrodita	Y Y		WESTER



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Quei Area
51.	14542	Lomandra micrantha subsp. micrantha			Al va
52.		Lomandra nigricans			
53.	1236	Lomandra odora (Tiered Matrush)			
54.	1239	Lomandra preissii			
55.	1240	Lomandra purpurea (Purple Mat Rush)			
56.	1243	Lomandra sericea (Silky Mat Rush)			
57.	1246	Lomandra suaveolens			
58.	1312	Sowerbaea laxiflora (Purple Tassels)			
59.	1317	Thysanotus anceps		P3	
60.	1318	Thysanotus arbuscula			
61.	1319	Thysanotus arenarius			
62.	1338	Thysanotus manglesianus (Fringed Lily)			
63.		Thysanotus manglesianus/patersonii complex			
64.	1339	Thysanotus multiflorus (Many-flowered Fringe Lily)			
65.		Thysanotus patersonii			
66.	46055	Thysanotus sp. Coastal plain (N.H. Brittan 66/63)			
67.	1351	Thysanotus sparteus			
68.	1354	Thysanotus tenellus			
69.	1357	Thysanotus thyrsoideus			
70.	1358	Thysanotus triandrus			
Asphodelac	eae				
71.	1364	Asphodelus fistulosus (Onion Weed)	Υ		
72.	1366	Bulbine semibarbata (Leek Lily)			
Asteraceae					
73.	7811	Acanthospermum hispidum (Starburr)	Y		
74.		Ambrosia artemisiifolia (Annual Ragweed, Bitterweed, Hay-feverweed, Hog-weed)	Y		
75.		Ambrosia psilostachya (Perennial Ragweed)	Y		
76.		Angianthus preissianus	ī		
77.		Arctotheca calendula (Cape Weed, African Marigold)	Υ		
78.		Brachyscome iberidifolia	ī		
76. 79.		Centaurea solstitialis (St Barnaby's Thistle, Yellow Star Thistle)	V		
			Y		
80.		Centipeda cunninghamii (Common Sneezewood, Gukwonderuk, Old Man Weed)	<b>V</b>		
81.		Conyza bonariensis (Flaxleaf Fleabane)	Y		
82.	7941	Conyza parva	Y		<b>V</b>
83.		Conyza sp. Brix1R			Y
84.	20074	Conyza sp. Brix4			Y
85.		Conyza sumatrensis	Y		
86.		Cotula australis (Common Cotula)			
87.		Cotula coronopifolia (Waterbuttons)	Y		
88.		Cotula turbinata (Funnel Weed)	Y		
89.		Dittrichia graveolens (Stinkwort)	Y		
90.		Eclipta prostrata	Υ		
91.	16311	Gazania linearis	Υ		
92.		Gnephosis tenuissima - drummondii complex			
93.		Gnephosis tenuissima-drummondii complex			
94.		Helianthus annuus (Sunflower, Common Sunflower)	Υ		
95.	12741	Hyalosperma cotula			
96.	8086	Hypochaeris glabra (Smooth Catsear)	Υ		
97.		Lagenophora huegelii			
98.	44490	Leontodon rhagadioloides	Υ		
99.	8106	Millotia tenuifolia (Soft Millotia)			
100.	14187	Myriocephalus occidentalis			
101.	8127	Olearia axillaris (Coastal Daisybush)			
102.	8143	Olearia paucidentata (Autumn Scrub Daisy)			
103.	8175	Podolepis gracilis (Slender Podolepis)			
104.	8177	Podolepis lessonii			
105.	8182	Podotheca angustifolia (Sticky Longheads)			
106.	8188	Pogonolepis stricta			
107.	13255	Pterochaeta paniculata			
108.	8195	Quinetia urvillei			
109.	13312	Rhodanthe pyrethrum			
	20663	Senecio multicaulis subsp. multicaulis			
110.		Senecio vulgaris (Common Groundsel)	Υ		
110. 111.	0220				
		Siloxerus filifolius			
111.	8224				
111. 112. 113.	8224 8225	Siloxerus humifusus (Procumbent Siloxerus)			
111. 112. 113. 114.	8224 8225 14583	Siloxerus humifusus (Procumbent Siloxerus) Siloxerus multiflorus	V		
111. 112. 113. 114. 115.	8224 8225 14583 8231	Siloxerus humifusus (Procumbent Siloxerus) Siloxerus multiflorus Sonchus oleraceus (Common Sowthistle)	Y		
111. 112. 113. 114. 115. 116.	8224 8225 14583 8231 25902	Siloxerus humifusus (Procumbent Siloxerus) Siloxerus multiflorus Sonchus oleraceus (Common Sowthistle) Symphyotrichum squamatum (Bushy Starwort)	Y Y		
111. 112. 113. 114. 115.	8224 8225 14583 8231 25902	Siloxerus humifusus (Procumbent Siloxerus) Siloxerus multiflorus Sonchus oleraceus (Common Sowthistle)	Y	ment of Biodiversity,	Ma M WESTER



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Quer Area
118.	8254	Urospermum picroides (False Hawkbit)	Υ		Alva
119.		Ursinia anthemoides (Ursinia)	Υ		
120.		Ursinia anthemoides subsp. anthemoides	Υ		
121.		Verbesina encelioides	Y		
121.	13723	Verbesiria ericeriolides	1		
Basellaceae					
122.	17455	Anredera cordifolia	Υ		
<b>.</b>					
Boryaceae					
123.	1272	Borya scirpoidea			
124.	1273	Borya sphaerocephala (Pincushions)			
Brassicacea					
		Dunasias ta umafautii (Maditawanan Tumin)	V		
125.		Brassica tournefortii (Mediterranean Turnip)	Υ		
126.		Heliophila pusilla	Y		
127.	3048	Lobularia maritima (Sweet Alyssum)	Y		
128.	3066	Rorippa nasturtium-aquaticum (Watercress)	Υ		
Durana					
Bryaceae					
129.		Bryum argenteum			
130.	32375	Gemmabryum chrysoneuron			
131.	32376	Gemmabryum dichotomum			
132.	32380	Gemmabryum pachythecum			
133.	44608	Rosulabryum billarderii			
134.		Schizymenium bryoides			
	J_ 102	, <del> </del>			
Byblidaceae					
135.	3178	Byblis gigantea (Rainbow Plant)		P3	
Cactaceae					
136.	29276	Opuntia monacantha (Barbary Fig)	Υ		
137.	5227	Opuntia stricta (Common Prickly Pear)	Υ		
Campanulac	eae				
138.	7398	Isotoma pusilla (Small Isotome)			
139.	9289	Lobelia anceps (Angled Lobelia)			
140.	7410	Monopsis debilis	Υ		
141.	37440	Monopsis debilis var. depressa	Υ		
142.		Wahlenbergia capensis (Cape Bluebell)	Υ		
143.		Wahlenbergia preissii			
140.	7000	Trumonoongia protoon			
Caprifoliacea	ae				
144.	7368	Scabiosa atropurpurea (Purple Pincushion)	Υ		
Caryophyllad	eae				
145.	2909	Silene gallica (French Catchfly)	Υ		
Cacuarinaca	20				
Casuarinace					
146.		Allocasuarina fraseriana (Sheoak, Kondil)			
147.		Allocasuarina humilis (Dwarf Sheoak)			
148.	1734	Allocasuarina microstachya			
Calaatuaaaa					
Celastraceae					
149.	4737	Tripterococcus brunonis (Winged Stackhousia)			
Centrolepida	cese				
150.		Aphelia cyperoides			
		ripriolia dypordiada			
		Andre die deservation dis			
151.	1118	Aphelia drummondii			
151. 152.	1118 43548	Aphelia sp. Albany (B.G. Briggs 596)			
151.	1118 43548	•			
151. 152.	1118 43548 1120	Aphelia sp. Albany (B.G. Briggs 596)			
151. 152. 153.	1118 43548 1120 1121	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides			
151. 152. 153. 154.	1118 43548 1120 1121 1123	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis)			
151. 152. 153. 154. 155. 156.	1118 43548 1120 1121 1123 1125	Aphelia sp. Albany (B.G. Briggs 596)  Centrolepis alepyroides  Centrolepis aristata (Pointed Centrolepis)  Centrolepis caespitosa  Centrolepis drummondiana			
151. 152. 153. 154. 155. 156.	1118 43548 1120 1121 1123 1125 1129	Aphelia sp. Albany (B.G. Briggs 596)  Centrolepis alepyroides  Centrolepis aristata (Pointed Centrolepis)  Centrolepis caespitosa  Centrolepis drummondiana  Centrolepis glabra (Smooth Centrolepis)			
151. 152. 153. 154. 155. 156. 157.	1118 43548 1120 1121 1123 1125 1129 1131	Aphelia sp. Albany (B.G. Briggs 596)  Centrolepis alepyroides  Centrolepis aristata (Pointed Centrolepis)  Centrolepis caespitosa  Centrolepis drummondiana  Centrolepis glabra (Smooth Centrolepis)  Centrolepis inconspicua			
151. 152. 153. 154. 155. 156.	1118 43548 1120 1121 1123 1125 1129 1131	Aphelia sp. Albany (B.G. Briggs 596)  Centrolepis alepyroides  Centrolepis aristata (Pointed Centrolepis)  Centrolepis caespitosa  Centrolepis drummondiana  Centrolepis glabra (Smooth Centrolepis)			
151. 152. 153. 154. 155. 156. 157. 158.	1118 43548 1120 1121 1123 1125 1129 1131	Aphelia sp. Albany (B.G. Briggs 596)  Centrolepis alepyroides  Centrolepis aristata (Pointed Centrolepis)  Centrolepis caespitosa  Centrolepis drummondiana  Centrolepis glabra (Smooth Centrolepis)  Centrolepis inconspicua			
151. 152. 153. 154. 155. 156. 157. 158. 159.	1118 43548 1120 1121 1123 1125 1129 1131 1134	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis)	Y		
151. 152. 153. 154. 155. 156. 157. 158. 159. Chenopodiao	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache)	Y		
151. 152. 153. 154. 155. 156. 157. 158. 159. Chenopodiao 160. 161.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea)	Y Y		
151. 152. 153. 154. 155. 156. 157. 158. 159. Chenopodiao	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache)			
151. 152. 153. 154. 155. 156. 157. 158. 159. <b>Chenopodiac</b> 160. 161.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea)			
151. 152. 153. 154. 155. 156. 157. 158. 159. <b>Chenopodiac</b> 160. 161. 162.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis)  Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora			
151. 152. 153. 154. 155. 156. 157. 158. 159. <b>Chenopodiac</b> 160. 161. 162. <b>Colchicaceac</b> 163.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora			
151. 152. 153. 154. 155. 156. 157. 158. 159. <b>Chenopodiad</b> 160. 161. 162. <b>Colchicacead</b> 163. 164.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430 9	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora  Burchardia bairdiae Burchardia congesta			
151. 152. 153. 154. 155. 156. 157. 158. 159. <b>Chenopodiac</b> 160. 161. 162. <b>Colchicaceac</b> 163. 164. 165.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430 9 1383 12770 1385	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis)  Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora  Burchardia bairdiae Burchardia multiflora (Dwarf Burchardia)			
151. 152. 153. 154. 155. 156. 157. 158. 159. Chenopodiad 160. 161. 162. Colchicacead 163. 164.	1118 43548 1120 1121 1123 1125 1129 1131 1134 Ceae 2471 33500 48430 9 1383 12770 1385	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis) Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora  Burchardia bairdiae Burchardia congesta			
151. 152. 153. 154. 155. 156. 157. 158. 159. Chenopodiac 160. 161. 162. Colchicaceac 163. 164. 165. 166.	1118 43548 1120 1121 1123 1125 1129 1131 1134 2ceae 2471 33500 48430 2 1383 12770 1385 1394	Aphelia sp. Albany (B.G. Briggs 596) Centrolepis alepyroides Centrolepis aristata (Pointed Centrolepis) Centrolepis caespitosa Centrolepis drummondiana Centrolepis glabra (Smooth Centrolepis) Centrolepis inconspicua Centrolepis polygyna (Wiry Centrolepis)  Atriplex prostrata (Hastate Orache) Dysphania ambrosioides (Mexican Tea) Salicornia quinqueflora  Burchardia bairdiae Burchardia multiflora (Dwarf Burchardia)	Y Departmen	it of Biodiversity,	WESTER AUSTRA

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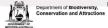


	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Quei Area
167.		Wurmbea dioica subsp. aff. alba (gjk 12803)			.=
168.	12072	Wurmbea dioica subsp. alba			
169.	1401	Wurmbea pygmaea			
Convolvul	aceae				
170.		Cuscuta planiflora	Υ		
Crassulac					
171.		Crassula closiana			
172.		Crassula colorata (Dense Stonecrop)			
173.		Crassula colorata var. acuminata			
174.		Crassula colorata var. colorata			
175.		Crassula decumbens (Rufous Stonecrop)	.,		
176.		Crassula natans	Y		
177.	15706	Crassula natans var. minus	Y		
Cucurbitad	ceae				
178.	48838	Citrullus amarus	Υ		
179.	7374	Ecballium elaterium (Squirting Cucumber)	Υ		
Cupressac	2020				
180.		Callitris acuminata (Dwarf Cypress)			
181.		Callitris pyramidalis (Swamp Cypress)			
_		Camillo pyramianie (Gramp Gyproso)			
Cyperacea					
182.		Baumea arthrophylla			
183.		Baumea juncea (Bare Twigrush)			
184.		Bolboschoenus caldwellii (Marsh Club-rush)			
185.		Bolboschoenus fluviatilis		P1	
186.		Carex divisa (Divided Sedge)	Y		
187.		Carex tereticaulis		P3	
188.		Caustis dioica			
189.		Chorizandra enodis (Black Bristlerush)			
190.		Chorizandra multiarticulata			
191.		Cyathochaeta avenacea			
192.		Cyathochaeta clandestina	V		
193.		Cyperus eragrostis (Umbrella Sedge)	Y		
194.		Cyperus involucratus	Y		
195.		Cyperus polystachyos (Bunchy Sedge)	.,		
196.		Cyperus tenellus (Tiny Flatsedge)	Y		
197. 198.		Cyperus tenuiflorus (Scaly Sedge) Eleocharis acuta (Common Spikerush)	Y		
199.		Eleocharis keigheryi		Т	
200.		Fimbristylis velata		•	
201.		Gahnia trifida (Coast Saw-sedge)			
202.		Isolepis cernua (Nodding Club-rush)			
203.		Isolepis cernua var. cernua			
204.		Isolepis cernua var. setiformis			
205.		Isolepis cyperoides			
206.		Isolepis hookeriana (Bristle Club Rush)			
207.		Isolepis hystrix	Υ		
208.		Isolepis marginata (Coarse Club-rush)			
209.		Isolepis oldfieldiana			
210.		Isolepis prolifera (Budding Club-rush)	Υ		
211.		Lepidosperma angustatum			
212.	937	Lepidosperma longitudinale (Pithy Sword-sedge)			
213.		Lepidosperma pubisquameum			
214.	942	Lepidosperma rostratum		Т	
215.	944	Lepidosperma scabrum			
216.		Lepidosperma sp.			
217.	29150	Lepidosperma sp. Margaret River (B.J. Lepschi 1841)			
218.	16284	Lepidosperma sp. P1 small head (M.D. Tindale 166A)			
219.	955	Mesomelaena pseudostygia			
220.	957	Mesomelaena tetragona (Semaphore Sedge)			
221.	971	Schoenus andrewsii			
222.	973	Schoenus asperocarpus (Poison Sedge)			
223.	974	Schoenus benthamii		P3	
224.	975	Schoenus bifidus			
225.	978	Schoenus brevisetis			
226.	979	Schoenus caespititius			
227.		Schoenus capillifolius		P3	
228.	984	Schoenus curvifolius			
		Schoenus discifer			
229.	985	ochochus discher	<b>₩</b>	of Biodiversity,	WESTER



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
230.	986	Schoenus efoliatus			Alou
231.		Schoenus elegans			
232.		Schoenus grammatophyllus			
233. 234.		Schoenus humilis Schoenus laevigatus			
234.		Schoenus latitans			
236.		Schoenus Ioliaceus		P2	
237.		Schoenus nanus (Tiny Bog Rush)			
238.		Schoenus natans (Floating Bog-rush)		P4	
239.	1006	Schoenus odontocarpus			
240.	1007	Schoenus pedicellatus			
241.	1008	Schoenus pennisetis		P3	
242.		Schoenus pleiostemoneus			
243.		Schoenus plumosus			
244.		Schoenus rigens			
245. 246.		Schoenus sculptus (Gimlet Bog-rush) Schoenus sp. Beaufort (G.J. Keighery 6291)		P1	
240.		Schoenus sp. Waroona (G.J. Keighery 12235)		P3	
248.		Schoenus subbarbatus (Bearded Bog-rush)		10	
249.		Schoenus subbulbosus			
250.	1018	Schoenus subfascicularis			
251.	1019	Schoenus subflavus (Yellow Bog-rush)			
252.	1026	Schoenus unispiculatus			
253.		Schoenus variicellae			
254.		Tetraria australiensis		Т	
255.	1036	Tetraria octandra			
Dasypogona	ceae				
256.		Calectasia cyanea (Blue Tinsel Lily)		Т	
257.	1214	Calectasia grandiflora (Blue Tinsel Lily)			
258.	19309	Calectasia narragara			
259.		Dasypogon bromeliifolius (Pineapple Bush)			
260.		Dasypogon obliquifolius			
261.	1221	Kingia australis (Kingia, Pulonok)			
Dicranaceae					
262.	32461	Campylopus bicolor var. bicolor			
263.	32338	Campylopus introflexus	Υ		
Dilleniaceae					
264.	5112	Hibbertia aurea			
265.	5114	Hibbertia commutata			
266.	19778	Hibbertia glomerata subsp. darlingensis			
267.	5134	Hibbertia huegelii			
268.		Hibbertia hypericoides (Yellow Buttercups)			
269.		Hibbertia hypericoides subsp. hypericoides			
270.		Hibbertia montana		P4	
271. 272.		Hibbertia mylnei Hibbertia ovata			
272.					
273. 274.		Hibbertia racemosa (Stalked Guinea Flower) Hibbertia serrata (Serrate Leaved Guinea Flower)			
275.		Hibbertia stellaris (Orange Stars)			
276.		Hibbertia striata			
n:					
Dioscoreace		Diagona hostifalis (Mayring Mayrun)			
277.	1509	Dioscorea hastifolia (Warrine, Wararn)			
	1509	Dioscorea hastifolia (Warrine, Wararn)			
277.	1509	Dioscorea hastifolia (Warrine, Wararn)  Ditrichum difficile			
277. Ditrichaceae	1509 32347				
277.  Ditrichaceae 278.	1509 32347				
277.  Ditrichaceae 278.  Droseraceae	1509 32347 48751	Ditrichum difficile			
277.  Ditrichaceae 278.  Droseraceae 279.	1509 32347 48751 3095	Ditrichum difficile  Drosera drummondii			
277.  Ditrichaceae 278.  Droseraceae 279. 280.	1509 32347 48751 3095 3097	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281.	1509 32347 48751 3095 3097 3098 13195	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284.	1509 32347 48751 3095 3097 3098 13195 3101	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284. 285.	32347 48751 3095 3097 3098 13195 3101 3106	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)  Drosera macrantha (Bridal Rainbow)			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284. 285. 286.	32347 48751 3095 3097 3098 13195 3101 3106 3109	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)  Drosera macrantha (Bridal Rainbow)  Drosera menziesii (Pink Rainbow)			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284. 285. 286. 287.	32347  48751 3095 3097 3098 13195 3101 3106 3109 3113	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)  Drosera macrantha (Bridal Rainbow)  Drosera menziesii (Pink Rainbow)  Drosera neesii (Jewel Rainbow)			
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284. 285. 286. 287. 288.	1509 32347 48751 3095 3097 3098 13195 3101 3106 3109 3113 3114	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)  Drosera macrantha (Bridal Rainbow)  Drosera menziesii (Pink Rainbow)  Drosera neesii (Jewel Rainbow)  Drosera nitidula (Shining Sundew)		D4	
277.  Ditrichaceae 278.  Droseraceae 279. 280. 281. 282. 283. 284. 285. 286. 287.	32347  48751 3095 3097 3098 13195 3101 3106 3109 3113 3114 3115	Ditrichum difficile  Drosera drummondii  Drosera erythrorhiza (Red Ink Sundew)  Drosera gigantea (Giant Sundew)  Drosera glanduligera (Pimpernel Sundew)  Drosera helodes  Drosera heterophylla (Swamp Rainbow)  Drosera macrantha (Bridal Rainbow)  Drosera menziesii (Pink Rainbow)  Drosera neesii (Jewel Rainbow)		P4	

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	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Quer Area
291.	3128	Drosera ramellosa (Branched Sundew)			
292.	8911	Drosera rosulata			
293.		Drosera sp.			
294.	49090	Drosera sp. Branched styles (S.C. Coffey 193)			
295.	3131	Drosera stolonifera (Leafy Sundew)			
296.	13205	Drosera tubaestylis			
297.	3135	Drosera zonaria (Painted Sundew)			
		,			
laeocarpa					
298.		Platytheca galioides			
299.	48342	Tetratheca hirsuta subsp. hirsuta			
300.	4537	Tetratheca nuda			
Elatinaceae					
301.		Elatine gratioloides (Waterwort)			
001.	0101	Elatino grationidos (Fratoritori)			
ricaceae					
302.	6300	Andersonia aristata (Rice Flower)			
303.	6309	Andersonia gracilis		Т	
304.	6312	Andersonia involucrata			
305.	11471	Andersonia lehmanniana subsp. lehmanniana			
306.	6327	Astroloma foliosum (Candle Cranberry)			
307.		Astroloma macrocalyx (Swan Berry)			
308.		Astroloma pallidum (Kick Bush)			
309.		Astroloma stomarrhena (Red Swamp Cranberry)			
310.		Brachyloma preissii (Globe Heath)			
311.		Conostephium minus (Pink-tipped Pearl flower)			
311.		, , , , , , , , , , , , , , , , , , , ,			
		Conostephium preissii			
313.		Conostephium preissii			
314.		Leucopogon conostephioides			
315.		Leucopogon glaucifolius			
316.	6427	Leucopogon parviflorus (Coast Beard-heath)			
317.	6444	Leucopogon sprengelioides			
318.	6445	Leucopogon squarrosus			
319.	40803	Leucopogon squarrosus subsp. squarrosus			
320.	6456	Lysinema ciliatum (Curry Flower)			
321.	34736	Lysinema pentapetalum			
322.	48297	Styphelia filifolia		P3	
323.	6476	Styphelia tenuiflora (Common Pinheath)			
uphorbiac					
324.		Calycopeplus paucifolius			
325.		Euphorbia maculata	Y		
326.	34757	Euphorbia prostrata	Y		
327.	4648	Euphorbia terracina (Geraldton Carnation Weed)	Υ		
328.	4662	Monotaxis grandiflora (Diamond of the Desert)			
329.	19585	Monotaxis grandiflora var. grandiflora			
330.	4716	Stachystemon vermicularis			
abaceae					
331.		Acacia applanata			
332.		Acacia dentifera			
333.		Acacia drewiana subsp. drewiana			
334.		Acacia horridula		P3	
335.	3374	Acacia huegelii			
336.	3382	Acacia incrassata			
337.	3409	Acacia lasiocarpa (Panjang)			
338.	11611	Acacia lasiocarpa var. lasiocarpa			
339.	17861	Acacia longifolia	Υ		
340.		Acacia longifolia subsp. longifolia	Y		
341.		Acacia obovata			
342.		Acacia podalyriifolia	Υ		
343.		Acacia pulchella var. glaberrima	•		
344.		Acacia pulchella var. pulchella			
345.		Acacia saligna (Orange Wattle, Kudjong)			
		Acacia saligna subsp. lindleyi			
346.		Acacia saligna subsp. saligna			
347.	3541	Acacia sessilis			
		Acacia stenoptera (Narrow Winged Wattle)			
347.					
347. 348.	3557	Acacia teretifolia			
347. 348. 349.	3557 3574	Acacia teretifolia Acacia willdenowiana (Grass Wattle)			
347. 348. 349. 350.	3557 3574 3602				
347. 348. 349. 350. 351.	3557 3574 3602 3686	Acacia willdenowiana (Grass Wattle)		_	



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Que Area
354.	3710	Bossiaea eriocarpa (Common Brown Pea)			
355.	3753	Chorizema dicksonii (Yellow-eyed Flame Pea)			
356.	35838	Cristonia biloba subsp. biloba			
357.	3793	Daviesia angulata			
358.	3799	Daviesia cordata (Bookleaf)			
359.	19747	Daviesia decurrens subsp. decurrens			
360.	3807	Daviesia divaricata (Marno)			
361.	18560	Daviesia divaricata subsp. divaricata			
362.	3815	Daviesia horrida (Prickly Bitter-pea)			
363.	3824	Daviesia nudiflora			
364.	16585	Daviesia nudiflora subsp. nudiflora			
365.	3832	Daviesia physodes			
366.	3845	Daviesia triflora			
367.	3867	Dipogon lignosus (Dolichos Pea)	Υ		
368.	48633	Erythrina crista-galli	Υ		Υ
369.	18299	Erythrina x sykesii	Y		
370.	3872	Euchilopsis linearis (Swamp Pea)			
371.	3880	Eutaxia virgata			
372.	3887	Gastrolobium acutum			
373.	20475	Gastrolobium capitatum			
374.	20483	Gastrolobium linearifolium			
375.	3923	Gastrolobium spathulatum (Poison Bush)			
376.	10909	Gompholobium confertum			
377.	3950	Gompholobium knightianum			
378.	3951	Gompholobium marginatum			
379.	3956	Gompholobium shuttleworthii			
380.	3957	Gompholobium tomentosum (Hairy Yellow Pea)			
381.	3961	Hardenbergia comptoniana (Native Wisteria)			
382.	3966	Hovea pungens (Devil's Pins, Puyenak)			
383.	3968	Hovea trisperma (Common Hovea)			
384.		Hovea trisperma var. trisperma			
385.		Isotropis cuneifolia (Granny Bonnets)			
386.		Isotropis cuneifolia subsp. glabra		P3	
387.		Jacksonia angulata			
388.		Jacksonia floribunda (Holly Pea)			
389.		Jacksonia furcellata (Grey Stinkwood)			
390.		Jacksonia gracillima		P3	
391.		Jacksonia lehmannii		10	
392.		Jacksonia restioides			
393.		Jacksonia sternbergiana (Stinkwood, Kapur)			
394.		Kennedia prostrata (Scarlet Runner)			
395.		Labichea punctata (Lance-leaved Cassia)			
396. 307		Latrobea tenella	V		
397.		Lotus angustissimus (Narrowleaf Trefoil)	Y		
398.		Lotus subbiflorus	Y		
399.		Lupinus luteus (Yellow Lupin)  Mediagga polymorpha (Pyrr Madia)	Y		
400.		Medicago polymorpha (Burr Medic)	Y		
401.		Medicago sativa (Alfalfa)	Υ		
402.		Mirbelia spinosa			
403.		Pultenaea ericifolia			
404.		Pultenaea reticulata			
405.		Robinia pseudoacacia	Υ		
406.		Sphaerolobium linophyllum			
407.		Sphaerolobium macranthum			
408.		Templetonia drummondii			
409.		Trifolium angustifolium var. angustifolium	Υ		
410.		Trifolium arvense (Hare's Foot Clover)	Υ		
411.		Trifolium campestre (Hop Clover)	Υ		
412.	4295	Trifolium dubium (Suckling Clover)	Υ		
413.	4297	Trifolium glomeratum (Cluster Clover)	Υ		
414.	4322	Vicia sativa (Common Vetch)	Υ		
	12070	Vicia sativa subsp. sativa	Υ		
415.	12010				
		Vicia tetrasperma	Υ		Υ

## 418.

32368 Fissidens taylorii

419. 32469 Fissidens taylorii var. taylorii

## Funariaceae

420. 32370 Funaria hygrometrica

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	Name ID	Species Name	Naturalised	Conservation Code	Endemic To Qu Area
entianacea	ae				
421.	6539	Centaurium erythraea (Common Centaury)	Υ		
422.	6542	Centaurium tenuiflorum	Υ		
423.	6543	Cicendia filiformis (Slender Cicendia)	Υ		
oodeniace	ae				
424.		Anthotium junciforme			
425.		Dampiera linearis (Common Dampiera)			
426.		Dampiera pedunculata			
427.		Goodenia coerulea			
428.		Goodenia incana (Hoary Goodenia)			
429.		Goodenia micrantha			
430.		Goodenia pulchella			
430.		Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634)			
431.					
432.		Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336)			
		Lechenaultia biloba (Blue Leschenaultia)			
434.		Scaevola glandulifera (Viscid Hand-flower)			
435.		Scaevola lanceolata (Long-leaved Scaevola)			
436.		Scaevola repens var. repens			
437.	7665	Velleia trinervis			
laemodora	ceae				
438.		Anigozanthos bicolor subsp. bicolor			
439.		Anigozanthos humilis (Catspaw)			
440.		Anigozanthos humilis subsp. humilis			
441.		Anigozanthos manglesii (Mangles Kangaroo Paw, Kurulbrang)			
442.		Anigozanthos manglesii subsp. manglesii			
443.		Anigozanthos viridis (Green Kangaroo Paw, Kurulbardang)			
444.		Anigozanthos viridis subsp. viridis			
445.		Blancoa canescens (Winter Bell)			
446.		Conostylis aculeata subsp. aculeata			
447.					
		Conostylis androstemma (Trumpets)			
448.		Conostylis aurea (Golden Conostylis)			
449.		Conostylis caricina			
450.		Conostylis caricina subsp. caricina			
451.		Conostylis festucacea subsp. festucacea			
452.	1436	Conostylis juncea			
453.	1437	Conostylis latens			
454.	1454	Conostylis setigera (Bristly Cottonhead)			
455.	11597	Conostylis setigera subsp. setigera			
456.		Conostylis sp.			
457.	1464	Haemodorum brevisepalum			
458.	1468	Haemodorum laxum			
459.	1469	Haemodorum Ioratum		P3	
460.	1472	Haemodorum simplex			
461.	1474	Haemodorum sparsiflorum			
462.		Haemodorum spicatum (Mardja)			
463.		Phlebocarya ciliata			
464.		Phlebocarya filifolia			
465.		Tribonanthes australis (Southern Tiurndin)			
		,			
466. 467		Tribonanthes brachypetala (Nodding Tiurndin)			
467.		Tribonanthes Iongipetala (Branching Tiurndin)			
468.		Tribonanthes uniflora (Woolly Tiurndin)			
469.		Tribonanthes variabilis (Hairy-stigma Tiurndin)			
470.	1485	Tribonanthes violacea (Violet Tiurndin)			
Haloragacea	ae				
471.		Glischrocaryon aureum (Common Popflower)			
472.		Gonocarpus cordiger			
473.		Gonocarpus nodulosus			
474.		Gonocarpus paniculatus			
475.		Gonocarpus pithyoides			
476.		Meionectes tenuifolia		P3	
470.				۲۵	
		Myriophyllum crispatum  Myriophyllum achinatum		D2	
478.	0193	Myriophyllum echinatum		P3	
- Hemerocalli	daceae				
479.	23474	Agrostocrinum hirsutum			
480.		Agrostocrinum scabrum (Blue Grass Lily)			
481.		Agrostocrinum scabrum subsp. scabrum			
		Arnocrinum preissii			
482.	1264	Amodinam preissii			
482. 483.		Caesia micrantha (Pale Grass Lily)			



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Que Area
484.	1277	Caesia occidentalis			
485.	1298	Johnsonia pubescens (Pipe Lily)			
486.	19632	Johnsonia pubescens subsp. pubescens			
487.	1260	Stypandra glauca (Blind Grass)			
488.	1361	Tricoryne elatior (Yellow Autumn Lily)			
489.	1362	Tricoryne humilis			
490.	1363	Tricoryne tenella			
	_				
ydatellacea					
491.		Trithuria bibracteata			
492.	1141	Trithuria submersa			
ydrocharita	ceae				
493.		Ottelia ovalifolia (Swamp Lily)			
494.		Ottelia ovalifolia subsp. ovalifolia			
		Stand Standard Subsept Standard			
ypoxidacea	e				
495.	43760	Pauridia occidentalis			
496.	43761	Pauridia occidentalis var. occidentalis			
idaceae					
497.		Babiana angustifolia	Υ		
498.		Chasmanthe floribunda (African Cornflag)	Υ		
499.	1518	Gladiolus angustus (Long Tubed Painted Lady)	Υ		
500.	18298	Gladiolus carneus	Υ		
501.	1520	Gladiolus caryophyllaceus (Wild Gladiolus)	Υ		
502.	1526	Hesperantha falcata	Υ		
503.	19179	Moraea flaccida (One-leaf Cape Tulip)	Υ		
504.		Moraea lewisiae	Υ		
505.	19438	Moraea ochroleuca	Y		
506.		Orthrosanthus laxus var. laxus (Morning Iris)	,		
507.					
		Patersonia juncea (Rush Leaved Patersonia)			
508.		Patersonia occidentalis (Purple Flag, Koma)			
509.		Patersonia occidentalis var. occidentalis			
510.	1556	Romulea rosea (Guildford Grass)	Y		
511.	1558	Sparaxis bulbifera	Υ		
512.	13103	Watsonia borbonica	Υ		
513.	1566	Watsonia marginata	Y		
514.	1567	Watsonia meriana (Bulbil Watsonia)	Υ		
515.	18108	Watsonia meriana var. bulbillifera	Υ		
516.	18118	Watsonia meriana var. meriana	Υ		
517.	1569	Watsonia versfeldii	Υ		
uncaceae					
518.	1178	Juncus bufonius (Toad Rush)	Υ		
519.	1180	Juncus capitatus (Capitate Rush)	Y		
520.	11922	Juncus kraussii subsp. australiensis			
521.	1188	Juncus pallidus (Pale Rush)			
522.		Juncus usitatus (Common Rush)	Υ		
_					
uncaginace	ae				
523.		Cycnogeton lineare			
524.	33676	Triglochin calcitrapa			
525.	33677	Triglochin centrocarpa			
526.	147	Triglochin mucronata			
527.	148	Triglochin muelleri			
528.		Triglochin nana			
529.		Triglochin sp. scps			
530.		Triglochin sp.Brixton 04 (possibly T. mullerii)			Υ
531.	150	Triglochin stowardii			,
532.		Triglochin striata			
JUZ.	101	rrigiooniiri surata			
amiaceae					
533.	16933	Hemiandra glabra			
534.		Hemiandra linearis (Speckled Snakebush)			
535.		Hemiandra pungens (Snakebush)			
536.		Hemiphora bartlingii (Woolly Dragon)			
537.		Stachys arvensis (Staggerweed)	Y		
551.	0330	Gladings al vertisis (Glagger Weca)	Y		
auraceae					
538.	11351	Cassytha aurea var. hirta			
539.		Cassytha flava (Dodder Laurel)			
		Cassytha glabella (Tangled Dodder Laurel)			
540.					

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	Name ID	Species Name	Naturalised	d Conservation Code	<sup>1</sup> Endemic To Que Area
542.	2957	Cassytha racemosa (Dodder Laurel)			
543.		Cassytha racemosa forma pilosa			
544.	11799	Cassytha racemosa forma racemosa			
545.		Cassytha sp. scps			Υ
Lentibulariac	-636				
546.	ouc	Polypompholyx tenella scps			
547.	7138	Utricularia inaequalis			
548.		Utricularia multifida			
549.		Utricularia tenella			
0.10.	00				
Linaceae 550.	4363	Linum trigynum (French Flax)	Y		
Loganiaceae					
551.		Phyllangium divergens			
Loranthacea	Δ.				
552.		Amyema linophylla subsp. linophylla			
553.		Nuytsia floribunda (Christmas Tree, Mudja)			
555.	2401	Nuytsia iloilibullua (Cillisullas 11ec, iviudja)			
Lycopodiace 554.		Phylloglossum drummondii (Pigmy Clubmoss)			
Lythropoo					
Lythraceae 555.	5281	Lythrum hyssopifolia (Lesser Loosestrife)	Υ		
		_, , 3000pa.u (20000. 20000u.lu)	ī		
Macarthuriac					
556.		Macarthuria australis			
557.	17106	Macarthuria keigheryi		T	
Malvaceae					
558.	19708	Abutilon grandifolium	Υ		
559.		Lasiopetalum bracteatum (Helena Velvet Bush)	·	P4	
560.		Lasiopetalum glutinosum subsp. glutinosum		P3	
561.		Lawrencia squamata		F-3	
		Modiola caroliniana	V		
562.			Υ		
563.		Sida hookeriana			
564.	5087	Thomasia macrocarpa (Large Fruited Thomasia)			
Marsileaceae	1				
565.	78	Pilularia novae-hollandiae (Austral Pillwort)			
Meliaceae					
566.	4516	Melia azedarach (White Cedar)			
		mona azoadada (mino odda)			
Menyanthace	ae				
567.	36160	Liparophyllum capitatum			
568.	36177	Ornduffia albiflora			
569.	36200	Ornduffia submersa		P4	
Montiaceae					
570.	2848	Calandrinia corrigioloides (Strap Purslane)			
570. 571.		Calandrinia corrigioloides (Strap Pursiane)  Calandrinia granulifera (Pygmy Pursiane)			
572.		Calandrinia liniflora (Parakeelya)			
573.		Calandrinia sp. Kenwick (G.J. Keighery 10905)		5:	
574.	20096	Calandrinia sp. Piawaning (A.C. Beauglehole 12257)		P1	
Myrtaceae					
575.		Astartea aff. fascicularis sthost			
576.	20350	Astartea affinis (West-coast Astartea)			
577.		Astartea leptophylla (River-bank Astartea)			
578.		Astartea scoparia (Common Astartea)			
579.		Babingtonia camphorosmae (Camphor Myrtle)			
580.		Babingtonia pelloeae (Pelloe's Babingtonia)			
581.		Babingtonia urbana (Coastal Plain Babingtonia)		P3	
582.		Beaufortia macrostemon (Darling Range Beaufortia)		. 5	
583.		Beaufortia squarrosa (Sand Beaufortia, Sand Bottlebrush, Puno)			
584.		Calothamnus hirsutus			
585.		Calothamnus lateralis			
586.		Calothamnus quadrifidus subsp. quadrifidus			
587. 588.		Calothamnus torulosus Calothamnus torulosus Calothamnus torulosus Calothamnus torulosus Calothamnus torulosus			
		Calytrix angulata (Yellow Starflower)			
	5441	Calytrix aurea			
589.	400			Т	
589. 590.		Calytrix breviseta subsp. breviseta			
589. 590. 591.	5458	Calytrix flavescens (Summer Starflower)		· ·	
589. 590.	5458		<b>L</b> est Depa	artment of Biodiversity,	WESTER



593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 611. 612. 613. 614. 615. 616. 617. 618.	5498 5502 17104 5508 5540 14103 14104 17359 5580 48440 5708 13547 5763 13511 5790 5817 35070 5825 5832 15498 5835 17461 17785	Calytrix sapphirina Chamelaucium uncinatum (Geraldton Wax) Conothamnus trinervis Corymbia calophylla (Marri) Darwinia citriodora (Lemon-scented Darwinia) Eremaea fimbriata Eremaea pauciflora var. calyptra Eremaea pauciflora var. pauciflora Eucalyptus botryoides Eucalyptus camaldulensis (River Gum, Yabalinyba) Eucalyptus grandis Eucalyptus marginata (Jarrah, Djara) Eucalyptus marginata subsp. marginata (Jarrah) Eucalyptus rudis (Flooded Gum, Kulurda) Eucalyptus rudis (Flooded Gum, Kulurda) Eucalyptus todtiana (Coastal Blackbutt) Hypocalymma angustifolium (White Myrtle, Kudjid) Hypocalymma robustum (Swan River Myrtle) Kunzea ericifolia (Spearwood, Pondil) Kunzea glabrescens (Spearwood) Kunzea micrantha	Y		
595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616.	5502 17104 5508 5540 14103 14104 17359 5580 48440 5708 13547 5763 13511 5790 5817 35070 5825 5832 15498 5835 17461	Conothamnus trinervis Corymbia calophylla (Marri) Darwinia citriodora (Lemon-scented Darwinia) Eremaea fimbriata Eremaea pauciflora var. calyptra Eremaea pauciflora var. pauciflora Eucalyptus botryoides Eucalyptus camaldulensis (River Gum, Yabalinyba) Eucalyptus grandis Eucalyptus marginata (Jarrah, Djara) Eucalyptus marginata subsp. marginata (Jarrah) Eucalyptus rudis (Flooded Gum, Kulurda) Eucalyptus rudis subsp. rudis Eucalyptus todtiana (Coastal Blackbutt) Hypocalymma angustifolium (White Myrtle, Kudjid) Hypocalymma robustum (Swan River Myrtle) Kunzea ericifolia (Spearwood, Pondil) Kunzea glabrescens (Spearwood)			
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612. 613. 614. 615. 616.	5832 15498 5835 17461 17785	Kunzea ericifolia (Spearwood, Pondil) Kunzea glabrescens (Spearwood)			
613. 614. 615. 616. 617.	15498 5835 17461 17785	Kunzea glabrescens (Spearwood)			
614. 615. 616. 617.	5835 17461 17785	,			
615. 616. 617.	17461 17785	Kunzea micrantha			
616. 617.	17785				
617.		Kunzea micrantha subsp. micrantha			
		Kunzea micrantha subsp. petiolata			
618.	37580	Melaleuca acutifolia			
	19721	Melaleuca armillaris	Υ		
619.	5881	Melaleuca brevifolia			
620.	40780	Melaleuca citrina	Υ		
621.	13273	Melaleuca incana subsp. incana			
622.		Melaleuca lateritia (Robin Redbreast Bush)			
623.		Melaleuca leucadendra			
624.		Melaleuca nesophila (Mindiyed)			
625.		Melaleuca osullivanii			
626.		Melaleuca parviceps			
627.		Melaleuca preissiana (Moonah)			
628.		Melaleuca quinquenervia	Y		
629.		Melaleuca radula (Graceful Honeymyrtle)			
630.		Melaleuca rhaphiophylla (Swamp Paperbark)			
631.		Melaleuca scabra (Rough Honeymyrtle, Wurru Bush)			
632.	5964	Melaleuca seriata			
633.	37683	Melaleuca viminalis		P2	
634.	5987	Melaleuca viminea (Mohan)			
635.	13280	Melaleuca viminea subsp. viminea			
636.	16478	Pericalymma ellipticum var. floridum			
637.	6012	Regelia ciliata			
638.	6033	Scholtzia involucrata (Spiked Scholtzia)			
639.		Verticordia acerosa			
640.		Verticordia acerosa var. acerosa			
641.		Verticordia acerosa var. preissii			
642.		Verticordia decirosa var. preissii Verticordia densiflora (Compacted Featherflower)			
643.		Verticordia densiflora var. densiflora			
644.					
		Verticordia huegelii (Variegated Featherflower)			
645.		Verticordia huegelii var. huegelii		5.4	
646.		Verticordia lindleyi subsp. lindleyi		P4	
647.		Verticordia pennigera			
648.		Verticordia plumosa (Plumed Featherflower)			
649.	12449	Verticordia plumosa var. brachyphylla			
Nymphaeacea	20				
650.		Nymphaea odorata (Fragrant Waterlily)	Y		
300.	2020		1		
Olacaceae					
651.	2365	Olax benthamiana			
652.	2367	Olax scalariformis			
0					
Onagraceae					
653.		Epilobium ciliatum	Y		
654.		Epilobium hirtigerum (Hairy Willow Herb)			
655.	14289	Epilobium tetragonum subsp. tetragonum	Υ		
656.	44680	Ludwigia repens	Υ		
657.	6138	Oenothera drummondii (Beach Evening Primrose)	Υ		
658.	16390	Oenothera drummondii subsp. drummondii	, (iii) .	and of Pleadhouse !*	
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	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
659.	20052	Oenothera jamesii	Y		
660.		Oenothera laciniata	Y		
661.		Oenothera mollissima	Y		
662.		Oenothera stricta (Common Evening Primrose)	Y		
663.		Oenothera stricta subsp. stricta	Υ		
Ophioglossa 664.		Ophioglossum lusitanicum (Adders Tongue)			
Orchidaceae	<b>a</b>				
665.		Caladenia arenicola			
666.		Caladenia discoidea (Dancing Orchid)			
667.		Caladenia ferruginea (Rusty Spider Orchid)			
668.	1592	Caladenia flava (Cowslip Orchid)			
669.	15348	Caladenia flava subsp. flava			
670.	15354	Caladenia hirta subsp. hirta			
671.	1596	Caladenia huegelii (Grand Spider Orchid)		Т	
672.		Caladenia longicauda subsp. longicauda			
673.		Caladenia nobilis			
674.		Caladenia paludosa			
675. 676		Cyanicula gemmata  Disa bracteata	V		
676. 677.		Disa bracteata Diuris brumalis	Υ		
678.		Diuris corymbosa			
679.		Diuris decrementa			
680.		Diuris laxiflora (Bee Orchid)			
681.		Diuris magnifica			
682.		Diuris purdiei (Purdie's Donkey Orchid)		Т	
683.	15406	Drakaea gracilis			
684.	1643	Elythranthera brunonis (Purple Enamel Orchid)			
685.	1645	Epiblema grandiflorum (Babe-in-a-cradle)			
686.	15414	Eriochilus helonomos			
687.	1653	Leporella fimbriata (Hare Orchid)			
688.	1656	Lyperanthus serratus (Rattle Beak Orchid)			
689.		Microtis atrata (Swamp Mignonette Orchid)			
690.		Microtis media (Tall Mignonette Orchid)			
691.		Microtis media subsp. media			
692.		Pheladenia deformis			
693.		Prasophyllum drummondii (Swamp Leek Orchid)			
694. 695.		Prasophyllum parvifolium (Autumn Leek Orchid) Prasophyllum plumiforme			
696.		Pterostylis barbata (Bird Orchid)			
697.		Pterostylis erubescens			
698.		Pterostylis pyramidalis (Snail Orchid)			
699.		Pterostylis recurva (Jug Orchid)			
700.	12217	Pterostylis sanguinea			
701.		Pterostylis sp.			
702.	1698	Pterostylis vittata (Banded Greenhood)			
703.	16367	Pyrorchis nigricans (Red beaks, Elephants ears)			
704.		Thelymitra antennifera (Vanilla Orchid)			
705.		Thelymitra crinita (Blue Lady Orchid)			
706.		Thelymitra flexuosa (Twisted Sun Orchid)			
707.		The lymitra macrophylla  The lymitra macrophylla  The lymitra macrophylla  The lymitra macrophylla			
708.	20729	Thelymitra magnifica (Crystal Brook Star Orchid)		P1	
709.	1745	Thelymitra sp.:  Thelymitra spiralis (Curlylocks)			
710. 711.		Thelymitra spiralis (Curlylocks) Thelymitra stellata (Star Orchid)		Т	
711.		Thelymitra villosa (Custard Orchid)			
713.		Thelymitra villosa (Custaru Orchiu) Thelymitra vulgaris			
Orobanchac	eae				
714.		Bellardia trixago (Bellardia)	Y		
715.		Bellardia viscosa  Perentuallia letifelia (Common Portaia)	Y		
716. Oxalidaceae		Parentucellia latifolia (Common Bartsia)	Y		
717.		Oxalis comiculata (Yellow Wood Sorrel)	Υ		
718.		Oxalis glabra	Υ		
719.	4356	Oxalis pes-caprae (Soursob)	Υ		
720.	4358	Oxalis purpurea (Largeflower Wood Sorrel)	Υ		
			***		

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Papaveracea		Species Name	Naturali	sed Conservation Code	<sup>1</sup> Endemic To Qu Area
721.		Fumaria bastardii	Υ		
722.	2969	Fumaria capreolata (Whiteflower Fumitory)	Y		
723.	31532	Fumaria muralis subsp. muralis	Υ		
724.		Fumaria sp.			
hilydraceae	,				
725.		Philydrella drummondii			
726.		Philydrella pygmaea (Butterfly Flowers)			
727.		Philydrella pygmaea subsp. pygmaea			
Dhrumaaaa					
Phrymaceae 728.		Classostiama duummandii (Mudmat)			
		Glossostigma drummondii (Mudmat)			
Phyllanthace	eae				
729.	4691	Poranthera microphylla (Small Poranthera)			
Pittosporace	ae				
730.		Billardiera fusiformis (Australian Bluebell)			
731.	3169	Cheiranthera preissiana			
Plantaginace					
732.		Callitriche stagnalis (Common Starwort)	V		
732.		Gratiola pubescens	Y		
734.		Plantago lanceolata (Ribwort Plantain)	Υ		
_	, 505	g_ minocolata ( monocc minum)	1		
Poaceae					
735.		Aira caryophyllea (Silvery Hairgrass)	Υ		
736.		Aira cupaniana (Silvery Hairgrass)	Y		
737.		Amphibromus nervosus			
738.		Amphipogon debilis			
739.		Amphipogon turbinatus		<b>-</b>	
740.		Austractina compresso		Т	
741. 742.		Austrostipa compressa Austrostipa elegantissima			
743.		Austrostipa hemipogon			
744.		Austrostipa sp. Marchagee (B.R. Maslin 1407)			
745.		Austrostipa variabilis			
746.		Avena barbata (Bearded Oat)	Υ		
747.		Avena sp. Yule5			Υ
748.	244	Briza maxima (Blowfly Grass)	Υ		
749.	245	Briza minor (Shivery Grass)	Υ		
750.	248	Bromus catharticus (Prairie Grass)	Υ		
751.	249	Bromus diandrus (Great Brome)	Υ		
752.	250	Bromus hordeaceus (Soft Brome)	Υ		
753.	41564	Cenchrus clandestinus (Kikuyu Grass)	Υ		
754.	41563	Cenchrus purpureus (Elephant Grass)	Υ		
755.		Cortaderia selloana subsp. selloana	Y		
756.		Cynodon dactylon (Couch)	Y		
757.		Diplachne fusca subsp. fusca			
758.		Echinochloa colona (Awnless Barnyard Grass)	Y		
759. 760		Echinochloa crus-galli Echinochloa crus-galli Echinochloa crus-galli Control (South American Bornyard Cross)	Y		
760. 761		Echinochloa crus-pavonis (South American Barnyard Grass)	Y		
761. 762.		Echinochloa pyramidalis (Antelope Grass) Ehrharta calycina (Perennial Veldt Grass)	Y		
762. 763.		Enriana calycina (Perennial veidi Grass)  Ehrharta longiflora (Annual Veidt Grass)	Y		
764.		Eleusine coracan (Indian Millet)	Y		
765.		Eleusine indica (Crowsfoot Grass)	Y		
766.		Eragrostis cilianensis (Stinkgrass)	Y		
767.		Eragrostis curvula (African Lovegrass)	Y		
768.		Eragrostis elongata (Clustered Lovegrass)			
769.		Glyceria declinata	Υ		
770.	452	Hyparrhenia hirta (Tambookie Grass)	Y		
771.	20019	Lachnagrostis filiformis			
772.	19955	Lachnagrostis plebeia			
773.	475	Lolium multiflorum (Italian Ryegrass)	Υ		
774.		Lolium sp.			
775.	11384	Lolium temulentum forma temulentum	Y		
776.	11073	Lolium x hybridum	Y		
777.		Megathyrsus maximus var. maximus	Y		
778.		Melinis repens	Y		
779.		Microlaena stipoides (Weeping Grass)			
780.		Neurachne alopecuroidea (Foxtail Mulga Grass)			







	Humo ib	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Que Area
781.		Paspalum dilatatum	Υ		
782.	528	Paspalum distichum (Water Couch)	Υ		
783.	532	Paspalum urvillei (Vasey Grass)	Υ		
784.	40422	Pentameris pallida	Υ		
785.	551	Phalaris minor (Lesser Canary Grass)	Υ		
786.	571	Poa annua (Winter Grass)	Υ		
787.	582	Polypogon monspeliensis (Annual Beardgrass)	Υ		
788.	583	Polypogon tenellus			
789.	11151	Rostraria pumila	Υ		
790.	40431	Rytidosperma acerosum			
791.	40425	Rytidosperma caespitosum			
792.	40427	Rytidosperma setaceum			
793.	611	Setaria sphacelata (South African Pigeon Grass)	Υ		
794.	616	Sorghum bicolor (Grain Sorghum)	Υ		
795.	635	Sporobolus virginicus (Marine Couch)			
796.	11112	Tribolium uniolae	Υ		
797.	722	Vulpia bromoides (Squirrel Tail Fescue)	Υ		
798.	724	Vulpia myuros (Rat's Tail Fescue)	Υ		
799.	33101	Vulpia myuros forma myuros	Υ		
Polygalacea					
800.		Comesperma calymega (Blue-spike Milkwort)			
801.		Comesperma ciliatum			
802.		Comesperma griffinii		P2	
803.	4560	Comesperma rhadinocarpum (Slender-fruited Comesperma)		P3	
804.		Comesperma sp. Brix1R (possibly virigatum)			Υ
805.	4564	Comesperma virgatum (Milkwort)			
Polygonace	20				
806.		Persicaria decipiens			
807.			Υ		
		Polygonum arenastrum (Sand Wireweed)			
808.		Polygonum aviculare (Wireweed)	Y		
809.		Rumex conglomeratus (Clustered Dock)	Y		
810.	2433	Rumex crispus (Curled Dock)	Υ		
Portulacace		Portulaça oleracea (Purslane Wakati)			
811. Potamogeto	2884 onaceae	Portulaca oleracea (Purslane, Wakati)			
811. Potamogeto 812.	2884 Onaceae 48626	Althenia australis			
811. Potamogeto	2884 Onaceae 48626				
811. Potamogeto 812. 813.	2884 Onaceae 48626	Althenia australis			
811. Potamogeto 812. 813. Pottiaceae	2884 Onaceae 48626 109	Althenia australis Potamogeton crispus (Curly Pondweed)			
811. Potamogeto 812. 813. Pottiaceae 814.	2884 <b>Phaceae</b> 48626 109 32315	Althenia australis Potamogeton crispus (Curly Pondweed) Barbula calycina			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815.	2884 DNACEAE 48626 109 32315 32437	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica			
811. Potamogeto 812. 813. Pottiaceae 814.	2884 DNACEAE 48626 109 32315 32437	Althenia australis Potamogeton crispus (Curly Pondweed) Barbula calycina			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815.	2884 Dnaceae 48626 109 32315 32437 32438	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.	2884 Dnaceae 48626 109 32315 32437 32438	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica	Y		
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae	2884  Dnaceae	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum	Y Y		
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817.	2884  Dnaceae  48626 109  32315 32437 32438  8  36375 36373	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.	2884  Dnaceae  48626 109  32315 32437 32438  8  36375 36373	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae	2884  20naceae 48626 109 32315 32437 32438 29 36375 36373 6483	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820.	2884  20naceae 48626 109 32315 32437 32438  20 36375 36373 6483	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821.	2884  20naceae 48626 109 32315 32437 32438  20 36375 36373 6483 14970 1775	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822.	2884  20naceae 48626 109 32315 32437 32438 8 36375 36373 6483 14970 1775 11837	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823.	2884  20naceae 48626 109 32315 32437 32438  20 36375 36373 6483 14970 1775 11837 32682	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata			
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811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825.	2884  20naceae 48626 109 32315 32437 32438  20 36375 36373 6483 14970 1775 11837 32682 1800 32576	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826.	2884  20naceae 48626 109 32315 32437 32438 8 36375 36373 6483 14970 1775 11837 32682 1800 32576 32580	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi			
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811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829.	2884  20naceae 48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828.	2884  20naceae 48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia dallanneyi subsp. dallanneyi var. mellicula Banksia grandis (Bull Banksia, Pulgarla)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829.	2884  20naceae 48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia)			
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811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831.	2884  20naceae 48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823 33399 1834	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana		T	
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832.	2884  20naceae 48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823 33399 1834 32211	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana var. incana Banksia menziesii (Firewood Banksia)		T	
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833.	2884  Dinaceae  48626 109  32315 32437 32438  8  36375 36373 6483  14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823 33399 1834 32211 32202	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana Banksia menziesii (Firewood Banksia) Banksia mimica (Summer Honeypot)		T P3	
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 817. 818. 819.  Proteaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834.	2884  2000 2000 2000 2000 2000 2000 2000 20	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia jilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana var. incana Banksia menziesii (Firewood Banksia) Banksia mimica (Summer Honeypot) Banksia nivea (Honeypot Dryandra, Pudjarn)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835.	2884  20naceae 48626 109 32315 32437 32438 8 36373 6483 14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823 33399 1834 32211 32202 32138 32080	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos scygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia jilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana var. incana Banksia mmica (Summer Honeypot) Banksia mimica (Summer Honeypot) Banksia nivea (Honeypot Dryandra, Pudjarn) Banksia pteridifolia subsp. vernalis			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836.	2884  2000 2000 2000 2000 2000 2000 2000 20	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia) Banksia ilicifolia (Holly-leaved Banksia) Banksia incana Banksia menziesii (Firewood Banksia) Banksia mimica (Summer Honeypot) Banksia nivea (Honeypot Dryandra, Pudjarn) Banksia pteridifolia subsp. vernalis Banksia sessilis var. sessilis			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837.	2884  2000 2000 2000 2000 2000 2000 2000 20	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia ilicifolia (Holly-leaved Banksia) Banksia ilicifolia (Holly-leaved Banksia) Banksia incana Banksia incana var. incana Banksia menziesii (Firewood Banksia) Banksia mimica (Summer Honeypot) Banksia nivea (Honeypot Dryandra, Pudjarn) Banksia pteridifolia subsp. vernalis Banksia sessilis var. sessilis Banksia telmatiaea (Swamp Fox Banksia)			
811.  Potamogeto 812. 813.  Pottiaceae 814. 815. 816.  Primulaceae 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838.	2884  20naceae 48626 109 32315 32437 32438 8 36373 6483 14970 1775 11837 32682 1800 32576 32580 32577 1819 1822 1823 33399 1834 32211 32202 32138 32080 1852 1855 15607	Althenia australis Potamogeton crispus (Curly Pondweed)  Barbula calycina Syntrichia antarctica Syntrichia pagorum  Lysimachia arvensis (Pimpernel) Lysimachia minima Samolus junceus  Adenanthos barbiger Adenanthos barbiger Adenanthos cygnorum (Common Woollybush) Adenanthos cygnorum subsp. cygnorum (Common Woollybush) Banksia armata var. armata Banksia attenuata (Slender Banksia, Piara) Banksia dallanneyi (Couch Honeypot) Banksia dallanneyi subsp. dallanneyi var. dallanneyi Banksia grandis (Bull Banksia, Pulgarla) Banksia jlicifolia (Holly-leaved Banksia) Banksia incana Banksia incana var. incana Banksia incana var. incana Banksia mimica (Summer Honeypot) Banksia mimica (Summer Honeypot) Banksia nivea (Honeypot Dryandra, Pudjarn) Banksia pteridifolia subsp. vernalis Banksia sessilis var. sessilis Banksia telmatiaea (Swamp Fox Banksia) Banksia victoriae (Woolly Orange Banksia)	Y		WESTER



	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query
841.	16853	Conospermum capitatum subsp. glabratum			Alea
842.		Conospermum huegelii (Slender Smokebush)			
843.	1882	Conospermum stoechadis (Common Smokebush)			
844.		Conospermum triplinervium (Tree Smokebush)			
845.		Conospermum undulatum		Т	
846.		Grevillea bipinnatifida (Fuchsia Grevillea)		•	
847.		Grevillea bipinnatifida subsp. bipinnatifida			
848.		Grevillea endlicheriana (Spindly Grevillea)			
849.		Grevillea leucopteris (White Plume Grevillea)			
850.		Grevillea pilulifera (Woolly-flowered Grevillea)			
851.		Grevillea preissii subsp. preissii		_	
852.		Grevillea thelemanniana (Spider Net Grevillea)		Т	
853.		Hakea candolleana			
854.	2137	Hakea ceratophylla (Horned Leaf Hakea)			
855.	2143	Hakea conchifolia (Shell-leaved Hakea)			
856.	2158	Hakea erinacea (Hedge-hog Hakea)			
857.	2166	Hakea incrassata (Marble Hakea)			
858.	2175	Hakea lissocarpha (Honey Bush)			
859.	2185	Hakea myrtoides (Myrtle Hakea)			
860.		Hakea prostrata (Harsh Hakea)			
861.		Hakea ruscifolia (Candle Hakea)			
862.		Hakea sp. Eastern coastal plain (G.J. Keighery 8014)			
863.		Hakea sulcata (Furrowed Hakea)			
864.		Hakea trifurcata (Two-leaf Hakea)			
		·			
865.		Hakea undulata (Wavy-leaved Hakea)			
866.		Hakea varia (Variable-leaved Hakea)			
867.		Isopogon asper			
868.		Isopogon drummondii		P3	
869.	2229	Isopogon dubius (Pincushion Coneflower)			
870.	2237	Isopogon sphaerocephalus (Drumstick Isopogon)			
871.	2249	Lambertia multiflora (Many-flowered Honeysuckle)			
872.	14083	Lambertia multiflora var. darlingensis			
873.	2255	Persoonia angustiflora			
874.		Persoonia elliptica (Spreading Snottygobble)			
875.		Persoonia saccata (Snottygobble)			
876.		Petrophile biloba (Granite Petrophile)			
877.					
		Petrophile juncifolia			
878.		Petrophile linearis (Pixie Mops)			
879.		Petrophile macrostachya			
880.		Petrophile seminuda			
881.	2312	Petrophile striata			
882.	2316	Stirlingia latifolia (Blueboy)			
883.	2317	Stirlingia simplex			
884.	2321	Synaphea acutiloba (Granite Synaphea)			
885.	2324	Synaphea petiolaris (Synaphea)			
886.	16864	Synaphea petiolaris subsp. petiolaris			
887.		Synaphea sp. Fairbridge Farm (D. Papenfus 696)		Т	
888.		Synaphea spinulosa		•	
889.		Synaphea spinulosa subsp. spinulosa			
890.	2331	Xylomelum occidentale (Woody Pear, Djandin)			
Pteridaceae					
891.	31	Cheilanthes austrotenuifolia			
Ranunculace					
892.	2933	Ranunculus muricatus (Sharp Buttercup)	Υ		
Restionacea	e				
893.		Alexgeorgea nitens			
894.					
		Charetinthus aristatus			
895.		Chordifex sinuosus			
896.		Cytogonidium leptocarpoides			
897.		Desmocladus fasciculatus			
898.	46362	Desmocladus lateriflorus			
899.	17838	Dielsia stenostachya			
900.	1070	Hypolaena exsulca			
901.		Hypolaena pubescens			
		Leptocarpus canus (Hoary Twine-rush)			
902.		Leptocarpus coangustatus			
902. 903					
903.		Leptocarpus decipiens			
903. 904.					
903. 904. 905.	1080	Leptocarpus scariosus			
903. 904.	1080		Department	of Biodiversity,	MESTERI





		Species Name	Naturalis	ration Code	<sup>1</sup> Endemic To Que Area
907.	1085	Lepyrodia glauca		_	
908.		Lepyrodia macra (Large Scale Rush)			
909.		Lepyrodia muirii			
910.		Tremulina tremula			
010.	17004	Tromaina tromaia			
hamnaceae	•				
911.	13470	Cryptandra arbutiflora var. arbutiflora			
912.	4809	Cryptandra pungens			
913.	13475	Stenanthemum humile			
914.	13479	Trymalium ledifolium var. rosmarinifolium			
915.	33418	Trymalium odoratissimum subsp. odoratissimum			
		•			
916.	20496	Rubus laudatus	Υ		
ubiaceae					
917.	19254	Opercularia apiciflora			
917.					
918.	18255	Opercularia vaginata (Dog Weed)			
utaceae					
919.	4413	Boronia crenulata (Aniseed Boronia)			
920.		Boronia crenulata subsp. crenulata var. crenulata			
920.		Boronia crenulata subsp. crenulata var. crenulata  Boronia crenulata subsp. viminea			
922.		Boronia cymosa (Granite Boronia)			
923.		Boronia purdieana subsp. purdieana			
924.		Boronia ramosa			
925.	11381	Boronia ramosa subsp. anethifolia			
926.	18529	Philotheca spicata (Pepper and Salt)			
anindaaaa					
apindaceae		Distance His horse well such as Jahan and i			
927.	10009	Diplopeltis huegelii subsp. lehmannii			
alaninallaa.	eae				
Selaginellace 929.		Selaginella gracillima (Tiny Clubmoss)			
	6 aceae	Selaginella gracillima (Tiny Clubmoss)  Sematophyllum homomallum			
<sub>929.</sub> Sematophyll	6 aceae				
929. Sematophyll 930.	6 <b>aceae</b> 32433		Y		
929. Sematophyll 930. Solanaceae 931. Stylidiaceae	6 <b>aceae</b> 32433 7022	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)	Υ		
929. Sematophyll 930. Solanaceae 931. Stylidiaceae 932.	6 <b>aceae</b> 32433 7022	Sematophyllum homomallum	Y		
929. Sematophyll 930. Solanaceae 931. Stylidiaceae	6 aceae 32433 7022 7676	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)	Y		
929. Sematophylli 930. Solanaceae 931. Stylidiaceae 932.	6 aceae 32433 7022 7676 7677	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)	Y	P3	
929. Sematophyll 930. Solanaceae 931. Stylidiaceae 932. 933.	6 aceae 32433 7022 7676 7677 18564	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)	Y	P3	
929. Sematophylli 930. Solanaceae 931. Stylidiaceae 932. 933. 934.	6 aceae 32433 7022 7676 7677 18564 7681	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum	Y	Р3	
929.  Sematophylli 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935.	6 aceae 32433 7022 7676 7677 18564 7681 7684	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)	Y	P3	
929.  Sematophyll: 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum	Y	P3	
929.  Sematophyll: 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor	Y	P3	
929.  Sematophyll: 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon	Y	P3	
929.  sematophylli 930.  solanaceae 931.  stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457 7693	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort) Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)	Y	P3	
929.  Sematophylli 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457 7693 7696	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort) Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)	Y	P3	
929.  sematophylli 930.  solanaceae 931.  stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457 7693 7696 7699	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort) Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)	Y	P3	
929.  Sematophylli 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457 7693 7696 7699 7712	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)	Y	P3	
929.  Sematophylli 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)	Y	P3	
929.  sematophylli 930.  solanaceae 931.  stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)	Y	P3	
929.  ematophylli 930.  olanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)	Y	P3	
929.  sematophylli 930.  colanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)	Y	P3	
929.  ematophylli 930.  olanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946.	6 aceae 32433 7022 7676 7677 18564 7681 7684 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides	Y	P3	
929.  ematophylli 930.  olanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)	Y	P3	
929.  ematophylli 930.  olanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)	Y	P3	
929.  ematophylli 930.  colanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bindoon  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium guttatum (Dotted Triggerplant)	Y		
929.  ematophylli 930.  colanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bindoon  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)	Y	P3	
929.  Sematophyll. 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951.	6 aceae 32433 7022 7676 7677 18564 7684 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bindoon  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium divaricatum (Daddy-long-legs)  Stylidium divaricatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)	Y	P4	
929.  ematophyll. 930.  colanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7771	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bioclor  Stylidium bioclor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium periscelianthum (Pantaloon Triggerplant)	Y		
929.  sematophyll. 930.  solanaceae 931.  stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7771 7772	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bicolor  Stylidium bicolor  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwart Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium divaricatum (Daddy-long-legs)  Stylidium divaricatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium jundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)  Stylidium periscelianthum (Pantaloon Triggerplant)	Y	P4	
929.  ematophyll. 930.  colanaceae 931.  tylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7771 7772	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bioclor  Stylidium bioclor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium periscelianthum (Pantaloon Triggerplant)	Y	P4	
929.  sematophyll. 930.  solanaceae 931.  stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954.	6 aceae 32433 7022 7676 7677 18564 7681 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7771 7772 7773	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bicolor  Stylidium bicolor  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwart Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium divaricatum (Daddy-long-legs)  Stylidium divaricatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium jundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)  Stylidium periscelianthum (Pantaloon Triggerplant)	Y	P4	
929.  Sematophyll. 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954.	6 aceae 32433 7022 7676 7677 18564 7684 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7771 7772 7773 7774	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwart Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides (Donkey Triggerplant)  Stylidium divaricatum (Daddy-long-legs)  Stylidium divaricatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)  Stylidium periscelianthum (Pantaloon Triggerplant)  Stylidium perpusillum (Tiny Triggerplant)	Y	P4	
929.  Sematophyll. 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956.	6 aceae 32433 7022 7676 7677 18564 7684 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7774 77782	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium jundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)  Stylidium periscelianthum (Pantaloon Triggerplant)  Stylidium perpusillum (Tiny Triggerplant)  Stylidium petiolare (Horn Triggerplant)  Stylidium piliferum (Common Butterfly Triggerplant)  Stylidium pulchellum (Thumbelina Triggerplant)	Y	P4	
929.  Sematophyll. 930.  Solanaceae 931.  Stylidiaceae 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956.	6 aceae 32433 7022 7676 7677 18564 7684 30278 30276 48457 7693 7696 7699 7712 7713 7716 11808 7717 7721 7734 7742 7756 7768 7774 77782	Sematophyllum homomallum  Solanum nigrum (Black Berry Nightshade)  Levenhookia pusilla (Midget Stylewort)  Levenhookia stipitata (Common Stylewort)  Stylidium aceratum  Stylidium affine (Queen Triggerplant)  Stylidium amoenum (Lovely Triggerplant)  Stylidium androsaceum  Stylidium bicolor  Stylidium bicolor  Stylidium bindoon  Stylidium brunonianum (Pink Fountain Triggerplant)  Stylidium calcaratum (Book Triggerplant)  Stylidium carnosum (Fleshy-leaved Triggerplant)  Stylidium despectum (Dwarf Triggerplant)  Stylidium dichotomum (Pins-and-needles)  Stylidium diuroides (Donkey Triggerplant)  Stylidium diuroides subsp. diuroides  Stylidium divaricatum (Daddy-long-legs)  Stylidium emarginatum (Biddy-four-legs)  Stylidium guttatum (Dotted Triggerplant)  Stylidium inundatum (Hundreds and Thousands)  Stylidium longitubum (Jumping Jacks)  Stylidium obtusatum (Pinafore Triggerplant)  Stylidium periscelianthum (Pantaloon Triggerplant)  Stylidium perpusillum (Tiny Triggerplant)  Stylidium petiolare (Horn Triggerplant)	Y	P4	







	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
961.	45594	Stylidium tenue subsp. majusculum (Showy Fountain Triggerplant)			
962.	23511	Stylidium thesioides (Delicate Triggerplant)			
963.	7806	Stylidium utricularioides (Pink Fan Triggerplant)			
Thymelaea	ceae				
964.	5231	Pimelea angustifolia (Narrow-leaved Pimelea)			
965.	11404	Pimelea imbricata var. major			
966.	11402	Pimelea imbricata var. piligera			
967.	12041	Pimelea suaveolens subsp. suaveolens			
968.	5268	Pimelea sulphurea (Yellow Banjine)			
Typhaceae					
969.	98	Typha domingensis (Bulrush, Djandjid)			
970.	99	Typha orientalis (Bulrush, Cumbungi)			
Verbenace	ae				
971.		Lantana camara (Common Lantana)	Υ		
Violaceae					
972.	5216	Hybanthus calycinus (Wild Violet)			
		.,,			
Xanthorrho					
973.		Chamaescilla corymbosa (Blue Squill)			
974.		Chamaescilla corymbosa var. corymbosa			
975.		Chamaescilla gibsonii		P3	
976.		Xanthorrhoea brunonis			
977.		Xanthorrhoea brunonis subsp. brunonis			
978.		Xanthorrhoea drummondii			
979.		Xanthorrhoea preissii (Grass tree, Palga)			
980.	20658	Xanthorrhoea sp. Lesueur (G.J. Keighery 16404)			
Zygophylla	ceae				
981.	4383	Tribulus terrestris (Caltrop)	Υ		

Conservation Codes
T - Rare or likely to become extinct
X - Presumed extinct
A - Protected under international agreement
S - Diverse of the pecially protected fauna
2 - Priority 2
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.



# **NatureMap Species Report**

# Created By Guest user on 21/09/2020

Kingdom Animalia

**Current Names Only** Yes

Core Datasets Only Yes

Method 'By Circle'

Centre 115° 58' 34" E,32° 00' 19" S

Buffer 5km

Group By Species Group

Species Group	Species	Records
Amphibian Bird Fish Invertebrate Mammal Reptile	10 145 3 104 16 45	172 28958 4 378 96 355
TOTAL	323	29963

Name ID Species Name

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

Amphibian					
1.	25398	Crinia georgiana (Quacking Frog)			
2.	25399	Crinia glauerti (Clicking Frog)			
3.	25400	Crinia insignifera (Squelching Froglet)			
4.	25409	Heleioporus barycragus (Hooting Frog)			
5.	25410	Heleioporus eyrei (Moaning Frog)			
6.	25415	Limnodynastes dorsalis (Western Banjo Frog)			
7.	25378	Litoria adelaidensis (Slender Tree Frog)			
8.	25388	Litoria moorei (Motorbike Frog)			
9.	25420	Myobatrachus gouldii (Turtle Frog)			
10.	25433	Pseudophryne guentheri (Crawling Toadlet)			
Bird					
11.	24260	Acanthiza apicalis (Broad-tailed Thornbill, Inland Thornbill)			
12.	24261	Acanthiza chrysorrhoa (Yellow-rumped Thornbill)			
13.	24262	Acanthiza inornata (Western Thornbill)			
14.	24560	Acanthorhynchus superciliosus (Western Spinebill)			
15.	25535	Accipiter cirrocephalus (Collared Sparrowhawk)			
16.	25536	Accipiter fasciatus (Brown Goshawk)			
17.	24282	Accipiter fasciatus subsp. fasciatus (Brown Goshawk)			
18.	25755	Acrocephalus australis (Australian Reed Warbler)			
19.	41323	Actitis hypoleucos (Common Sandpiper)			IA
20.	24312	Anas gracilis (Grey Teal)			
21.	24313	Anas platyrhynchos (Mallard)			
22.		Anas platyrhynchos subsp. domesticus			
23.	24315	Anas rhynchotis (Australasian Shoveler)			
24.	24316	Anas superciliosa (Pacific Black Duck)			
25.	47414	Anhinga novaehollandiae (Australasian Darter)			
26.		Anser anser			
27.	24561	Anthochaera carunculata (Red Wattlebird)			
28.		Anthochaera lunulata (Western Little Wattlebird)			
29.	24285	Aquila audax (Wedge-tailed Eagle)			
30.	41324	Ardea modesta (great egret, white egret)			
31.		Ardea novaehollandiae (White-faced Heron)			
32.		Ardea pacifica (White-necked Heron)			
33.		Artamus cinereus (Black-faced Woodswallow)			
34.		Artamus cyanopterus (Dusky Woodswallow)			
35.	24318	Aythya australis (Hardhead)			
36.		Barnardius zonarius			
37.		Biziura lobata (Musk Duck)			
38.		Burhinus grallarius (Bush Stone-curlew)			
39.	25713	Cacatua galerita (Sulphur-crested Cockatoo)	1	Department of Biodiversity,	WESTERN

NatureMap is a collaborative project of the Department of Biodiversity, Conservation and Attractions and the Western Australian Museum.

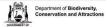






Na	me ID	Species Name	Naturalis	ed Conservation Code	<sup>1</sup> Endemic To 0 Area
40.	25714	Cacatua pastinator (Western Long-billed Corella)			
41.	25715	Cacatua roseicapilla (Galah)			
42.	25716	Cacatua sanguinea (Little Corella)			
		Cacatua tenuirostris (Eastern Long-billed Corella)	Υ		
44.	25598	Cacomantis flabelliformis (Fan-tailed Cuckoo)			
45.	42307	Cacomantis pallidus (Pallid Cuckoo)			
46.	25717	Calyptorhynchus banksii (Red-tailed Black-Cockatoo)			
47.	24731	Calyptorhynchus banksii subsp. naso (Forest Red-tailed Black Cockatoo)		Т	
48.	24733	Calyptorhynchus baudinii (Baudin's Cockatoo, White-tailed Long-billed Black Cockatoo)		Т	
49.	24734	Calyptorhynchus latirostris (Carnaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		Т	
50.	48400	Calyptorhynchus sp. (white-tailed black cockatoo)		Т	
51.	24321	Chenonetta jubata (Australian Wood Duck, Wood Duck)			
52.		Chroicocephalus novaehollandiae			
53.	25601	Chrysococcyx lucidus (Shining Bronze Cuckoo)			
54.	24288	Circus approximans (Swamp Harrier)			
55.	25675	Colluricincla harmonica (Grey Shrike-thrush)			
56.	24399	Columba livia (Domestic Pigeon)	Υ		
57.	25568	Coracina novaehollandiae (Black-faced Cuckoo-shrike)			
58.	25592	Corvus coronoides (Australian Raven)			
59.	24420	Cracticus nigrogularis (Pied Butcherbird)			
60.	25595	Cracticus tibicen (Australian Magpie)			
61.	24422	Cracticus tibicen subsp. dorsalis (White-backed Magpie)			
62.	25596	Cracticus torquatus (Grey Butcherbird)			
63.	24322	Cygnus atratus (Black Swan)			
64.	30901	Dacelo novaeguineae (Laughing Kookaburra)	Υ		
65.	25673	Daphoenositta chrysoptera (Varied Sittella)			
66.	25607	Dicaeum hirundinaceum (Mistletoebird)			
67.		Egretta novaehollandiae			
68.		Elanus axillaris			
69.	24290	Elanus caeruleus subsp. axillaris (Australian Black-shouldered Kite)			
		Elseyornis melanops (Black-fronted Dotterel)			
71.		Eolophus roseicapillus			
72.	24651	Eopsaltria australis subsp. griseogularis (Western Yellow Robin)			
		Erythrogonys cinctus (Red-kneed Dotterel)			
		Falco berigora (Brown Falcon)			
		Falco cenchroides (Australian Kestrel, Nankeen Kestrel)			
		Falco cenchroides subsp. cenchroides (Australian Kestrel, Nankeen Kestrel)			
		Falco longipennis (Australian Hobby)			
		Falco peregrinus (Peregrine Falcon)		S	
		Fulica atra (Eurasian Coot)			
		Fulica atra subsp. australis (Eurasian Coot)			
		Gallinula tenebrosa (Dusky Moorhen)			
		Gallinula tenebrosa subsp. tenebrosa (Dusky Moorhen)			
		Gallirallus philippensis (Buff-banded Rail)			
	23730	7 11 7			
84.	25520	Gallus gallus			
		Gerygone fusca (Western Gerygone)  Chainbile melanons (Taway crowned Honeyester)			
		Glyciphila melanops (Tawny-crowned Honeyeater)			
		Grallina cyanoleuca (Magpie-lark)			
		Haliastur sphenurus (Whistling Kite)			
		Hieracetus morphnoides (Little Eagle)			
		Himantopus himantopus (Black-winged Stilt)			
		Hirundo neoxena (Welcome Swallow)			
		Lichmera indistincta (Brown Honeyeater)			
		Lichmera indistincta subsp. indistincta (Brown Honeyeater)			
		Malacorhynchus membranaceus (Pink-eared Duck)			
		Malurus splendens (Splendid Fairy-wren)			
		Manorina flavigula (Yellow-throated Miner)			
		Megalurus gramineus (Little Grassbird)			
		Melithreptus brevirostris (Brown-headed Honeyeater)			
		Melithreptus chloropsis (Western White-naped Honeyeater)			
	24598	Merops ornatus (Rainbow Bee-eater)			
101.		Microcarbo melanoleucos			
		Neophema elegans (Elegant Parrot)			
	24739	Neophema petrophila (Rock Parrot)			
		Nycticorax caledonicus (Rufous Night Heron)			
105.	24407	Ocyphaps lophotes (Crested Pigeon)			
				D4	
	24328	Oxyura australis (Blue-billed Duck)		P4	

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	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Que Area
108.		Pachycephala rufiventris subsp. rufiventris (Rufous Whistler)			
109.		Pardalotus punctatus (Spotted Pardalote)			
110.		Pardalotus striatus (Striated Pardalote)			
111. 112.		Pelecanus conspicillatus (Australian Pelican)			
113.		Petrochelidon ariel (Fairy Martin) Petrochelidon nigricans (Tree Martin)			
114.		Petroica boodang (Scarlet Robin)			
115.		Petroica goodenovii (Red-capped Robin)			
116.		Phalacrocorax carbo (Great Cormorant)			
117.		Phalacrocorax melanoleucos (Little Pied Cormorant)			
118.	24667	Phalacrocorax sulcirostris (Little Black Cormorant)			
119.	25699	Phalacrocorax varius (Pied Cormorant)			
120.	24409	Phaps chalcoptera (Common Bronzewing)			
121.	48071	Phylidonyris niger (White-cheeked Honeyeater)			
122.	24596	Phylidonyris novaehollandiae (New Holland Honeyeater)			
123.	24841	Platalea flavipes (Yellow-billed Spoonbill)			
124.		Platalea regia (Royal Spoonbill)			
125.		Platycercus icterotis (Western Rosella)			
126.		Platycercus zonarius (Australian Ringneck, Ring-necked Parrot)			
127.		Podargus strigoides (Tawny Frogmouth)			
128.		Poliocephalus poliocephalus (Hoary-headed Grebe)			
129.		Porphyrio porphyrio (Purple Swamphen)			
130. 131.		Porphyrio porphyrio subsp. bellus (Purple Swamphen) Porzana fluminea (Australian Spotted Crake)			
131.		Porzana tabuensis (Spotless Crake)			
133.		Pterodroma brevirostris (Kerguelen Petrel)			
134.	24102	Purpureicephalus spurius			
135.	48096	Rhipidura albiscapa (Grey Fantail)			
136.		Rhipidura leucophrys (Willie Wagtail)			
137.		Sericornis frontalis (White-browed Scrubwren)			
138.		Smicrornis brevirostris (Weebill)			
139.	24525	Sterna fuscata subsp. nubilosa (Sooty Tern)			
140.	24329	Stictonetta naevosa (Freckled Duck)			
141.	25589	Streptopelia chinensis (Spotted Turtle-Dove)	Υ		
142.	25590	Streptopelia senegalensis (Laughing Turtle-Dove)	Υ		
143.	30950	Streptopelia senegalensis subsp. senegalensis (Laughing Turtle-Dove)	Υ		
144.	25705	Tachybaptus novaehollandiae (Australasian Grebe, Black-throated Grebe)			
145.	24682	Tachybaptus novaehollandiae subsp. novaehollandiae (Australasian Grebe, Black-			
440	04004	throated Grebe)			
146. 147.		Tadorna tadornoides (Australian Shelduck, Mountain Duck) Threskiornis spinicollis (Straw-necked Ibis)			
147.		Todiramphus sanctus (Sacred Kingfisher)			
149.		Todiramphus sanctus (Gacred Vingilanci)  Todiramphus sanctus subsp. sanctus (Sacred Kingfisher)			
150.		Tribonyx ventralis (Black-tailed Native-hen)			
151.		Trichoglossus haematodus (Rainbow Lorikeet)			
152.		Tringa glareola (Wood Sandpiper)		IA	
153.		Tringa nebularia (Common Greenshank, greenshank)		IA	
154.		Tyto alba subsp. delicatula (Barn Owl)			
155.		Zosterops lateralis (Grey-breasted White-eye, Silvereye)			
i.a.b.					
ish 156		Afurcagohius sunnositus			
156. 157.	3/1028	Afurcagobius suppositus Galaxias occidentalis (Western Minnow)			
157.	04020	Nannoperca vittata			
		- Tamber of Thoras			
nvertebrat	e				
159.		Akamptogonus novarae			
160. 161		Aname mainae			
161.		Anisops hyperion			
		Araneus cyphoxis			
162. 163		Araneus cyprioxis Araneus senicaudatus			
163.		,			
163. 164.		Araneus talipedatus			
163. 164. 165.		Araneus talipedatus Araiope trifasciata			
163. 164. 165. 166.		Araneus talipedatus Argiope trifasciata Artema atlanta			
163. 164. 165.		Argiope trifasciata			
163. 164. 165. 166. 167.		Argiope trifasciata Artema atlanta			
163. 164. 165. 166. 167. 168.		Argiope trifasciata Artema atlanta Artoria linnaei			
163. 164. 165. 166. 167. 168.		Argiope trifasciata Artema atlanta Artoria linnaei Artoriopsis eccentrica			
163. 164. 165. 166. 167. 168. 169.	48574	Argiope trifasciata Artema atlanta Artoria linnaei Artoriopsis eccentrica Artoriopsis joergi		P3	

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	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
174.		Ballarra longipalpus			
175.		Ceinidae sp.			
176.		Ceratopogonidae sp.			
177.		Cercophonius granulosus			
178.		Cercophonius sulcatus			
179.	33939	Cherax cainii (Marron)			
180.		Cherax destructor			
181.		Chicagoniae an			
182. 183.		Chironominae sp.			
184.		Coenagrionidae sp. Corixidae sp.			
185.		Cormocephalus aurantiipes			
186.		Cormocephalus novaehollandiae			
187.		Cormocephalus rubriceps			
188.		Cormocephalus strigosus			
189.		Cryptoerithus quobba			
190.		Cyclosa trilobata			
191.		Delena cancerides			
192.		Dingosa murata			
193.		Dingosa serrata			
194.		Dinocambala ingens			
195.		Dytiscidae sp.			
196.		Eriophora biapicata			
197.		Eupograpta kottae			
198.	40504	Eurytion incisunguis			Y
199. 200.	48581	Glossurocolletes bilobatus (a short-tongued bee (southwest), short-tongued bee)		P2	
200.		Gripopterygidae sp. Hebridae sp.			
202.		Hemicorduliidae sp.			
203.		Hogna crispipes			
204.		Holasteron perth			
205.		Holasteron wamuseum			Υ
206.		Hydrophilidae sp.			
207.		Idiommata blackwalli			
208.	48935	Idiosoma sigillatum (Swan Coastal Plain shield-backed trapdoor spider)		P3	
209.		Isopeda leishmanni			
210.		Kangarosa properipes			
211.		Lampona cylindrata			
212.	22222	Latrodectus hasseltii		-	
213. 214.	33963	Leioproctus douglasiellus (a short-tongued bee) Leptoceridae sp.		Т	
215.		Libellulidae sp.			
216.		Longepi woodman			
217.		Lycosa godeffroyi			
218.		Maratus pavonis			
219.		Masasteron maini			
220.		Missulena granulosa			
221.		Missulena occatoria			
222.		Mituliodon tarantulinus			
223.		Mitzoruga insularis			
224.		Myandra bicincta			
225.		Myandra cambridgei			
226.	33984	Neopasiphae simplicior (a short-tongued bee)		Т	
227.		Nephila edulis			
228. 229.		Nicodamus mainae Notiasemus glauerti			
229. 230.		Notonectidae sp.			
231.		Oecobius navus			
232.		Oligochaeta sp.			
233.		Orthocladiinae sp.			
234.		Oxyopes gracilipes			
235.		Palaemonidae sp.			
236.		Phenasteron longiconductor			
237.		Phreatoicidae sp.			
238.		Phryganoporus gausapatus subsp. occidentalis			Υ
239.		Physidae sp.			
240.		Pinkfloydia harveii			
241. 242.		Planorbidae sp. Raveniella cirrata			
242.		Raveniella peckorum			
<i>,</i>			Department	of Biodiversity,	WESTERN

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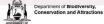






	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Qu Area
244.		Simuliidae sp.			AI Va
245.		Steatoda capensis			
246.		Steatoda grossa			
247.		Storena formosa			
248.		Supunna funerea			
249.		Supunna picta			
250.		Tabanidae sp.			
251.		Tanypodinae sp.			
252.		Tasmanicosa leuckartii			
253.		Tegenaria atrica			Υ
254.		Tipulidae sp.			
255.		Trichocyclus balladong			
256.		Urodacus novaehollandiae			
257.		Urodacus planimanus			
258.		Venator immansueta			
259.		Venatrix pullastra			
260.	34113	Westralunio carteri (Carter's Freshwater Mussel)		T	
261.		Westrarchaea spinosa			
262.		Zachria flavicoma			
lammal					
lammal	04054	Pos touris (Furances Cottle)			
263.		Bos taurus (European Cattle)  Challeslabus maris (Changlata Wattlad Ret)	Υ		
264.		Chalinolobus morio (Chocolate Wattled Bat)		т.	
265.		Dasyurus geoffroii (Chuditch, Western Quoll)	V	Т	
266.		Felis catus (Cat)	Y		
267. 268.		Funambulus pennanti (Indian Palm Squirrel)	Υ	D4	
269.		Isoodon fusciventer (Quenda, southwestern brown bandicoot)		P4	
		Macropus fuliginosus (Western Grey Kangaroo)	V		
270. 271.		Mus musculus (House Mouse)	Υ	P4	
271.		Notamacropus irma (Western Brush Wallaby)	V	P4	
		Oryctolagus cuniculus (Rabbit)	Υ		
273.		Pseudomys delicatulus (Delicate Mouse)			
274.		Rattus fuscipes (Western Bush Rat)			
275.	24243	Rattus rattus (Black Rat)	Υ		
276.	04407	Sminthopsis murina			
277.		Tarsipes rostratus (Honey Possum, Noolbenger)			
278.	24200	Vespadelus regulus (Southern Forest Bat)			
Reptile					
279.		Acritoscincus trilineatus (Western Three-lined Skink)			
280.		Aprasia repens (Sand-plain Worm-lizard)			
281.		Brachyurophis semifasciatus (Southern Shovel-nosed Snake)			
282.		Chelodina colliei (South-western Snake-necked Turtle)			
283.		Christinus marmoratus (Marbled Gecko)			
284.	30893	Cryptoblepharus buchananii			
285.	25020	Cryptoblepharus plagiocephalus			
286.		Ctenophorus ornatus (Ornate Crevice-Dragon)			
287.		Ctenotus australis			
288.	25039	Ctenotus fallens			
289.	25766	Delma fraseri (Fraser's Legless Lizard)			
290.	24999	Delma grayii			
291.	25296	Demansia psammophis subsp. reticulata (Yellow-faced Whipsnake)			
292.	25325	Dendrelaphis punctulata (Green Tree Snake)			
293.	24939	Diplodactylus polyophthalmus			
294.	25250	Elapognathus coronatus (Crowned Snake)			
295.	25119	Hemiergis quadrilineata			
296.	24961	Heteronotia binoei (Bynoe's Gecko)			
297.	25133	Lerista elegans			
298.	25147	Lerista lineata (Perth Slider, Lined Skink)		P3	
299.	25005	Lialis burtonis			
300.	25184	Menetia greyii			
301.	25240	Morelia spilota subsp. imbricata (Carpet Python)			
302.	25192	Morethia obscura			
303.	25248	Neelaps bimaculatus (Black-naped Snake)			
304.	25249	Neelaps calonotos (Black-striped Snake, black-striped burrowing snake)		P3	
305.		Notechis scutatus (Tiger Snake)			
306.		Parasuta gouldii			
307.		Pletholax gracilis subsp. gracilis (Keeled Legless Lizard)			
308.		Pogona minor (Dwarf Bearded Dragon)			
		Pogona minor subsp. minor (Dwarf Bearded Dragon)			
309.	24901				

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	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
311.	25345	Pseudemydura umbrina (Western Swamp Tortoise, Western Swamp Turtle)		Т	
312.	25259	Pseudonaja affinis subsp. affinis (Dugite)			
313.	25266	Simoselaps bertholdi (Jan's Banded Snake)			
314.	24943	Strophurus spinigerus subsp. inornatus			
315.	24942	Strophurus spinigerus subsp. spinigerus			
316.	25203	Tiliqua occipitalis (Western Bluetongue)			
317.	25519	Tiliqua rugosa			
318.	25204	Tiliqua rugosa subsp. aspera			
319.	25207	Tiliqua rugosa subsp. rugosa			
320.	24983	Underwoodisaurus milii (Barking Gecko)			
321.	25218	Varanus gouldii (Bungarra or Sand Monitor)			
322.	25225	Varanus rosenbergi (Heath Monitor)			
323.	25526	Varanus tristis (Racehorse Monitor)			

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

# **Appendix D** – Survey results

## Flora taxa identified within the survey area

Family	Taxon	Status <sup>4</sup>
Anacardiaceae	Schinus terebinthifolius	*
Apocynaceae	Gomphocarpus fruticosus	*DP
Asteraceae	Conyza bonariensis	*
Asteraceae	Sonchus asper	*
Asteraceae	Sonchus oleraceus	*
Asteraceae	Urospermum picroides	*
Brassicaceae	Brassica tournefortii	*
Cupressaceae	Callitris pyramidalis	*
Euphorbiaceae	Euphorbia terracina	*
Euphorbiaceae	Ricinus communis	*
Fabaceae	Acacia saligna	
Fabaceae	Acacia sp.	*
Fabaceae	Lupinus sp.	*
Fabaceae	Vicia sativa subsp. nigra	*
Iridaceae	Watsonia ?meriana	*
Juncaceae	Juncus pallidus	
Malvaceae	Hibiscus diversifolius	*
Myrtaceae	Calothamnus quadrifidus	
Myrtaceae	Eucalyptus rudis	
Myrtaceae	Kunzea glabrescens	
Myrtaceae	Melaleuca ?viminalis	P2 Naturalised
Myrtaceae	Melaleuca radula	
Myrtaceae	Melaleuca rhaphiophylla	
Oxalidaceae	Oxalis pes-caprae	*
Poaceae	Arundo donax	*
Poaceae	Avena barbata	*
Poaceae	Cynodon dactylon	*
Poaceae	Ehrharta calycina	*
Poaceae	Eragrostis curvula	*
Poaceae	Hyparrhenia hirta	*
Poaceae	Lagurus ovatus	*
Poaceae	Stenotaphrum secundatum	*
Typhaceae	Typha ?domingensis	

<sup>4</sup> Use of \* denotes weed species

## Fauna species identified during the survey

Family	Taxa	Common Name	Status
Birds			
Acanthizidae	Acanthiza chrysorrhoa	Yellow-rumped Thornbill	
Anatidae	Anas superciliosa	Pacific Black Duck	
Cacatuidae	Calyptorhynchus banksii naso	Forest Red-tailed Black Cockatoo	V
Corvidae	Corvus coronoides perplexus	Australian Raven	
Hirundinidae	Petrochelidon nigricans	Tree Martin	
Maluridae	Malurus splendens	Splendid Fairy-wren	
Meliphagidae	Lichenostomus virescens	Singing Honeyeater	
Meliphagidae	Phylidonyris novaehollandiae	New Holland Honeyeater	
Rhipiduridae	Rhipidura albiscapa	Grey Fantail	
Rhipiduridae	Rhipidura leucophrys	Willie Wagtail	
Zosteropidae	Zosterops lateralis	Silvereye	
Amphibians			
Myobatrachidae	Crinia glauerti	Clicking froglet	

### GHD

Level 10 999 Hay Street

T: 61 8 6222 8222 F: 61 8 9463 6012 E: permail@ghd.com

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### **Document Status**

Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
0	E Lynch	D Farrar	frum.	D Farrar	fhume .	11/11/2020

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