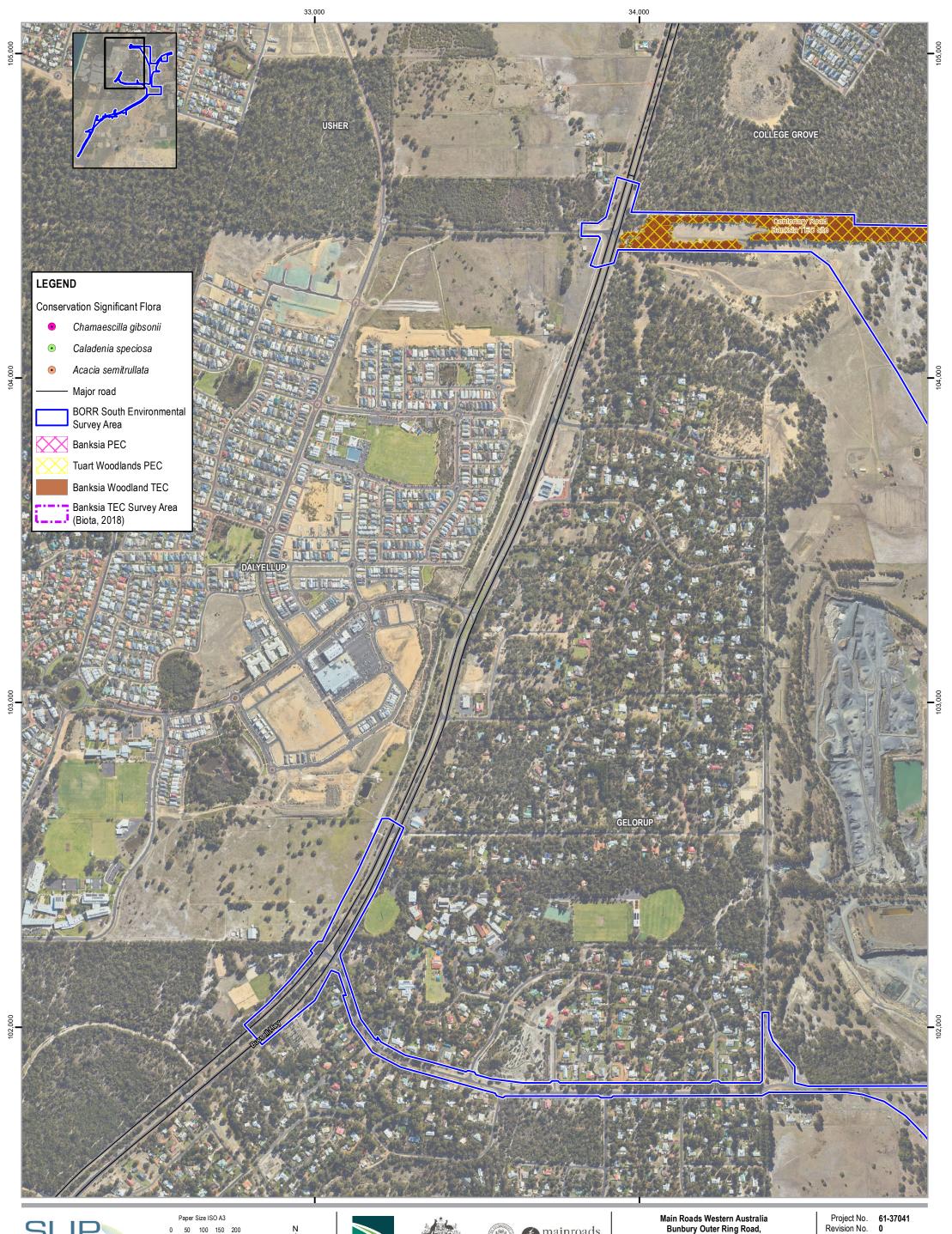


Bunbury Outer Ring Road Southern Section Vegetation and Flora Study (BORR IPT 2019a)

- Part 9 of 12







Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 Perth Coastal Grid 1994



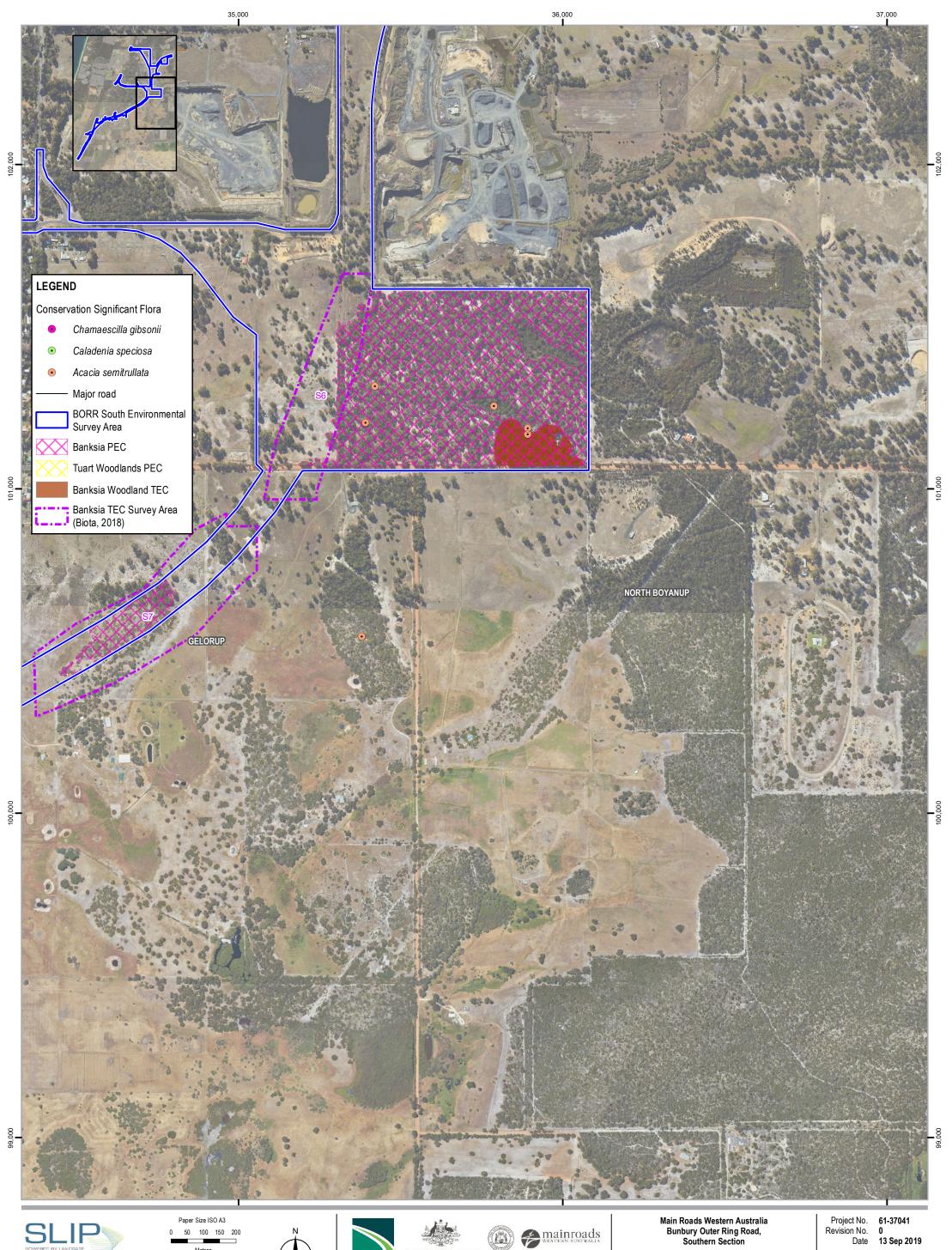




Bunbury Outer Ring Road, Southern Section

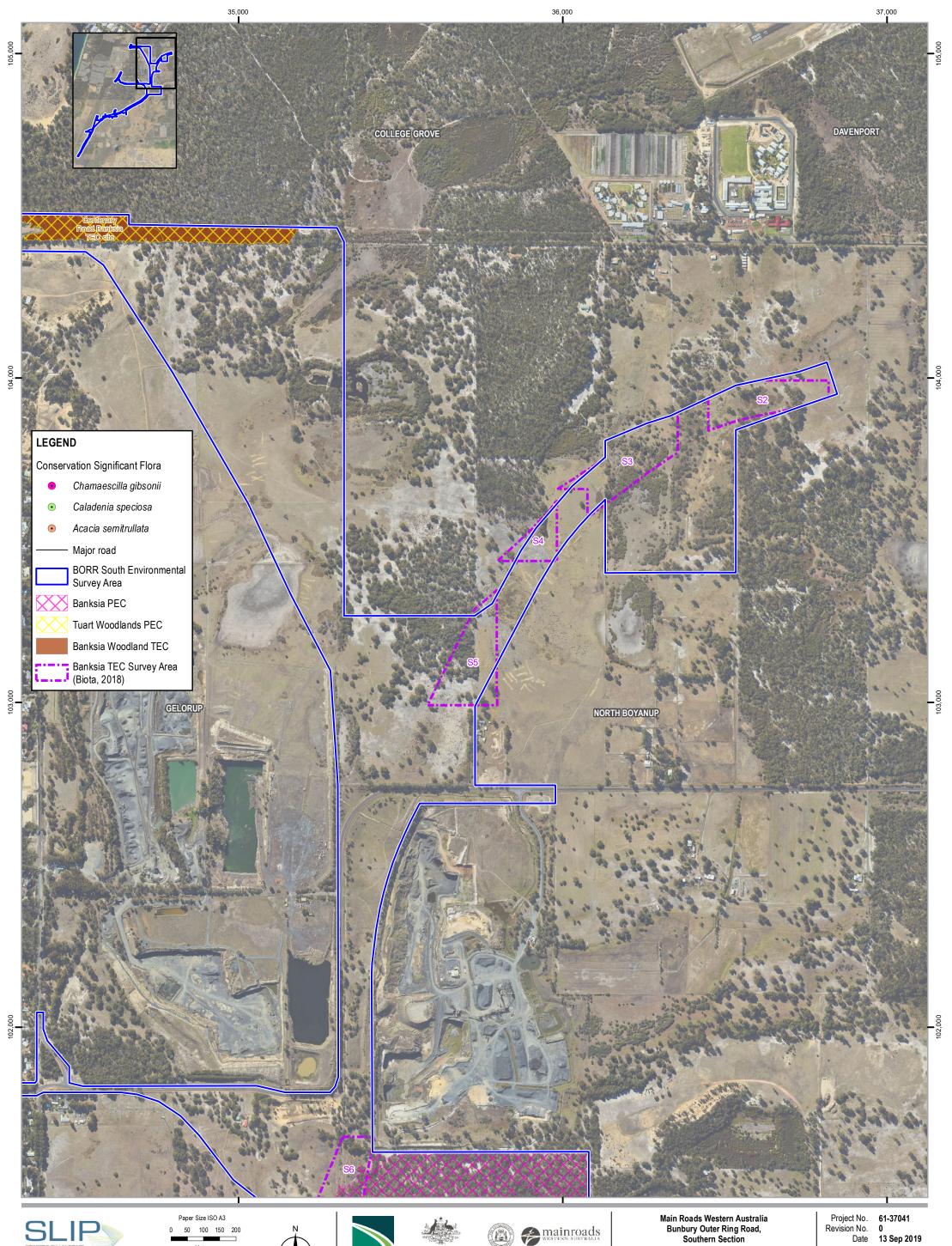
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Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 Perth Coastal Grid 1994









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Conservation Codes and Vegetation Condition Rating Scale

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 the Environment and Energy (DEE).

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 th

for determining whether the TEC is present e 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, protection and promotion of the ecologically sustainable use of biodiversity components in Western Australia. The BC Act replaced both the *Wildlife Conservation Act 1950* (WC Act) and the *Sandalwood Act 1929* (Sandalwood Act) as of 1 January 2016. 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

Bush Forever

Bush Forever, which was released in December 2000 and proclaimed in 2010, is a Government initiate aimed to retain and protect regionally significant bushland on the Swan Coastal Plain within the Perth Metropolitan Region. Bush Forever aims to protect more than 51,000 hectares of regionally significant bushland within 287 sites across the metropolitan portion of the Swan Coastal Plain (Government of Western Australia (GoWA) 2000). Bush Forever sites constitute ESAs as declared by a notice under Section 51B of the EP Act.

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. DBCA managed conservation estate, is

vested with the Conservation Commission of Western Australia. 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. Approximately 25 percent of the Swan Coastal Plain between Moore River and Mandurah is classified as wetland (Hill et al. 1996).

Though extensive in area, not all wetlands retain significant ecological values due to the concentration of urban and agricultural development in the region. Most wetlands have been cleared, filled or developed over, leaving only 20 percent of all the wetlands that were present on the Swan Coastal Plain prior to European settlement. Of these, an estimated 15 percent of the wetland area has retained high ecological values (Hill et al. 1996).

Ramsar Listed Wetlands

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" (DEE 2018b). 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" (DEE 2018b).

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 (DEE 2018a):

- 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

Geomorphic wetlands

Categorisation of wetlands has been conducted by Hill et al. (1996), delineating Swan Coastal Plain wetlands into levels of protection and management categories. Conservation Category Wetlands are wetlands that support high levels of attributes and functions. Resource Enhancement Wetlands are those that have been partly modified but still support substantial functions and attributes. Multiple Use Wetlands are classified as those wetlands with few attributes that still provide important wetland functions. Multiple Use wetlands have few important ecological attributes and functions remaining.

The Geomorphic Wetlands Swan Coastal Plain dataset displays the location, boundary, geomorphic classification (wetland type) and management category of wetlands on the Swan Coastal Plain.

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 (2018), 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 at least every two years.

Within the Swan Coastal Plain, EPA Position Statement No. 9 (EPA 2006) identifies vegetation complexes with 30 percent or less or their pre-clearing extent remaining in a bioregion, or 10 percent or less of their pre-clearing extent remaining in constrained areas (i.e. areas of urban development in cities and major town) on the Swan Coastal Plain, to be critical assets.

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.

Condition	South West and Interzone Botanical Provinces description
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 WC Act is the primary wildlife conservation legislation in Western Australia. Information on the conservation codes is summarised in the following sections.

Ecological communities

Conservation 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 statutory listing of TECs by the Minister. The new legislation also describes statutory processes for preparing recovery plans for TECs, the registration of their critical habitat, and penalties for unauthorised modification of TECs. TECs are ecological communities that have been assessed and assigned to one of four categories related to the status of the threat to the community, i.e. Presumed Totally Destroyed, Critically Endangered, Endangered and Vulnerable.

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 and/ or BC Act.

Conservation codes and definitions for TECs listed under the EPBC Act and/ or BC Act

Categories	Definition	
Federal Governmen	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:	
	 A) is not critically endangered; and 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) 	
Vulnerable (VU)	An ecological community if, at that time:	
	 A) is not critically endangered or endangered; and 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) 	
Western Australia Conservation Categories		
Presumed Totally Destroyed (PD)	An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.	

Categories	Definition
Critically Endangered (CR)	An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.
Endangered (EN)	An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or was originally of limited distribution and is in danger of significant modification throughout its range or severe modification or destruction over most of its range in the near future.
Vulnerable (VU)	An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatening processes continue or begin operating throughout its range.

Conservation 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.
Priority 3	Poorly known ecological communities.
	 (i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or: (ii) communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or; (iii) communities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, and inappropriate fire regimes. 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.

Category	Description	
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.	
	 (i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands. (ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable. (iii) Ecological communities that have been removed from the list of threatened communities during the past five years. 	
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.	

Banksia Woodlands of the Swan Coastal Plain TEC

The Banksia Woodlands of the Swan Coastal Plain was listed in September 2016 as an Endangered TEC under the EPBC Act. The Commonwealth TEC encompasses a number of FCTs, some of which area also listed as State TECs/PECs. The TSSC (2016) provides guidance for determining whether the TEC is present. These criteria are listed below

Diagnostic characteristics and condition thresholds to determine Banksia Woodlands TEC

Diagnostics characteristics / condition thresholds	Criteria
Floristic Community Type	 Location and physical environment: Occurs in the SCP IBRA bioregion Soil and landform: Typically occurs on well drained, low nutrient soils on
	sandplain landforms, particularly in deep Bassendean and Spearwood sands and occasionally on Quindalup sands. Structure:
	 The community is a low woodland to forest, but may also include shrubland, open woodland or forest under some classification systems. The percentage canopy cover is more than 2% and typically less than 50%. The structure and appearance may also vary due to disturbance history.
	Composition:
	 The canopy is commonly dominated by Banksia attenuata and or B. menziesii. Other Banksia species that dominate include B. prionotes or B. ilicifolia. The patch must include at least one of these diagnostic species.

Diagnostics characteristics / condition thresholds	Criteria
Vegetation condition ¹ and minimum patch size	 Pristine – no minimum Excellent – 0.5 ha Very Good – 1 ha Good – 2 ha
Surrounding context	A patch is a discrete and mostly continuous area of ecological community. A patch may include small scale (<30 m) variations, gaps and disturbances, such as tracks, that do not significantly alter the overall functionality of the ecological community. Such breaks are generally included in patch size calculations. The landscape and position of the patch including its position relative to surrounding vegetation also influences how important it is in the broader landscape.

Other significant vegetation

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

- Restricted distribution
- Degree of historical impact from threatening processes
- Local endemism in restricted habitats
- Novel combinations of taxa
- A role as a refuge
- 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)
- Being poorly reserved

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

Conservation 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 fauna used in the EPBC Act are those recommended by the International Union for Conservation of Nature (IUCN).

¹ As per the Keighery (1994) condition scale presented in Bush Forever (Government of Western Australia 2000).

Under the BC Act aligns with the EPBC Act in that flora and fauna can be Specially Protected, listed as Threatened (Critically Endangered, Endangered or Vulnerable) or Extinct in Western Australia. 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.

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.

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

Conservation categories and definitions for EPBC Act and BC Act listed flora and fauna species

Conservation category	Definition
Extinct	There is no reasonable doubt that the last member of the species has died.
Extinct in the Wild	 A) A species known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or B) A species that has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.
Critically Endangered	A species 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	 A) A species not critically endangered; and B) A species facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria.
Vulnerable	 A) A species not critically endangered or endangered; and B) A species facing a high risk of extinction in the wild in the medium-term, as determined in accordance with the prescribed criteria.

Conservation category	Definition
Conservation Dependent	 A) The species is the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered; or B) The following subparagraphs are satisfied: (i) the species is a species of fish; (ii) the species is the focus of a plan of management that Section 180 provides for management actions necessary to stop the decline of, and support the recovery of, the species so that its chances of long term survival in nature are maximised; (iii) the plan of management is in force under a law of the Commonwealth or of a State or Territory; (iv) cessation of the plan of management would adversely affect the conservation status of the species.

Conservation 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
	 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. 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.

Priority category	Definition
	C. Taxa that have been removed from the list of threatened taxa during the past five years for reasons other than taxonomy.

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 (2016b) states that significant flora may include taxa that have:

- 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
- Anomalous features that indicate a potential new discovery
- 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)
- The presence of 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)
- Being poorly reserved

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.

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APPENDIX C

Desktop Searches



NatureMap Species Report

Created By Guest user on 01/08/2018

Kingdom Plantae

Current Names Only Yes

Core Datasets Only Yes

Method 'By Line

Vertices 33° 23' 09" S,115° 41' 08" E 33° 24' 05" S,115° 39' 34" E 33° 24' 36" S,115° 39' 32" E 33° 25'

Group By 30" S,115° 39' 27" E 33° 25' 51" S,115° 37' 37" E 33° 26' 12" S,115° 36' 57" E 33° 27' 20"

S,115° 36' 14" E

Family

Family	Species	Records
Aizoaceae	2	2
Amaranthaceae	2	2
Amaryllidaceae	1	1
Anarthriaceae	3	6
Apiaceae	9	32
Apocynaceae	1	1
Apodanthaceae	1	3
Aponogetonaceae Araceae	1 1	3
Araliaceae	5	18
Areschougiaceae	1	1
Asparagaceae	19	63
Asphodelaceae	1	2
Asteraceae	32	70
Boryaceae	1	1
Brassicaceae	3	4
Campanulaceae	4	9
Caprifoliaceae	1	2
Caryophyllaceae	5	8
Casuarinaceae	1	2
Celastraceae	2	2
Centrolepidaceae	4	10
Chenopodiaceae	6	7
Colchicaceae	3	6
Commelinaceae	1	3
Convolvulaceae	1	1
Crassulaceae	2	3
Cyperaceae	39	74
Dasypogonaceae	1	6
Dennstaedtiaceae	1 1	1
Dicranaceae	10	
Dilleniaceae Droseraceae	10	42 17
Elaeocarpaceae	3	10
Ericaceae	12	27
Euphorbiaceae	4	8
Fabaceae	70	188
Funariaceae	1	1
Geraniaceae	4	7
Goodeniaceae	15	23
Haemodoraceae	13	25
Haloragaceae	3	5
Hemerocallidaceae	9	20
Hydatellaceae	3	3
Hydrocharitaceae	1	1
Hypoxidaceae	5	5
Iridaceae	5	19
Isoetaceae	1	2
Juncaceae	4	6
Juncaginaceae	5	5
Lamiaceae	1	5
Lauraceae	3	6
Lentibulariaceae	1	1
Loganiaceae	2	2
Loranthaceae	1	2
Malvaceae	1	8
Marsileaceae Manyanthagaa	1	2
Menyanthaceae	3	1
Montiaceae Myrtaceae	1 28	61
	1	2
Onagraceae Orchidaceae	50	136
Orobanchaceae	3	7
Oxalidaceae	4	6
Phacelocarpaceae	1	1
Phyllanthaceae	1	8
Plantaginaceae	2	3
Poaceae	39	102
Podocarpaceae	1	1
Polygalaceae	2	2
Polygonaceae	2	2
Posidoniaceae	1	3
	1	1
Potamogetonaceae		







TOTAL	568	1304
Zygophyllaceae	1	1
Zamiaceae	1	7
Xanthorrhoeaceae	4	11
Violaceae	1	1
Urticaceae	1	5
Thymelaeaceae	2	3
Stylidiaceae	15	31
Solanaceae	2	3
Selaginellaceae	1	1
Scrophulariaceae	2	2
Santalaceae	5	7
Rutaceae	5	16
Rubiaceae	7	11
Rhamnaceae	2	3
Restionaceae	9	19
Ranunculaceae	2	4
Proteaceae	18	48
Primulaceae	3	4





ı	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Que Area
Aizoaceae					
1.	2798	Carpobrotus virescens (Coastal Pigface, Kolboko, Bain)			
2.		Tetragonia decumbens (Sea Spinach)	Υ		
A					
Amaranthace		Amount of the second	V		
3. 4.		Amaranthus blitum	Y		
4.	2008	Amaranthus powellii (Powell's Amaranth)	Υ		
Amaryllidace	ae				
5.	1489	Amaryllis belladonna (Belladonna Lily)	Υ		
Anarthriaceae	a				
6.	-	Anarthria prolifera			
7.		Lyginia barbata			
8.		Lyginia imberbis			
Apiaceae					
9.		Actinotus glomeratus			
10.		Daucus glochidiatus (Australian Carrot)			
11.		Eryngium pinnatifidum (Blue Devils)			
12.		Eryngium pinnatifidum subsp. pinnatifidum			
13.		Homalosciadium homalocarpum			
14.		Platysace compressa (Tapeworm Plant)			
15.		Platysace ramosissima		P3	
16.		Schoenolaena juncea			
17.	6289	Xanthosia huegelii			
Apocynaceae					
18.		Alyxia buxifolia (Dysentery Bush)			
A al a 4 la a a a					
Apodanthace					
19.	2408	Pilostyles hamiltonii			
Aponogetona	ceae				
20.	141	Aponogeton hexatepalus (Stalked Water Ribbons)		P4	
.					
Araceae	4040	Zentadasahia sathianisa (Amusa Lib.)			
21.	1049	Zantedeschia aethiopica (Arum Lily)	Υ		
Araliaceae					
22.	6223	Hydrocotyle alata			
23.	6225	Hydrocotyle bonariensis	Υ		
24.	6229	Hydrocotyle diantha			
25.	11546	Hydrocotyle pilifera var. glabrata			
26.	6280	Trachymene pilosa (Native Parsnip)			
A rocobougios					
Areschougiad		Cinatina distinha			
27.	20004	Gigartina disticha			
Asparagacea (е				
28.	1208	Acanthocarpus preissii			
29.	1287	Dichopogon capillipes			
30.	11464	Laxmannia sessiliflora subsp. australis			
31.	1223	Lomandra caespitosa (Tufted Mat Rush)			
32.		Lomandra hermaphrodita			
	1228				
33.		Lomandra micrantha (Small-flower Mat-rush)			
	1232				
33.	1232 1234	Lomandra micrantha (Small-flower Mat-rush)			
33. 34.	1232 1234 1239	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans			
33. 34. 35.	1232 1234 1239 1240	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii			
33. 34. 35. 36.	1232 1234 1239 1240 1243	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush)			
33. 34. 35. 36. 37.	1232 1234 1239 1240 1243 1246	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush)	Y		
33. 34. 35. 36. 37.	1232 1234 1239 1240 1243 1246 20664	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens	Υ		
33. 34. 35. 36. 37. 38.	1232 1234 1239 1240 1243 1246 20664 1312	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum	Y		
33. 34. 35. 36. 37. 38. 39.	1232 1234 1239 1240 1243 1246 20664 1312 1319	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels)	Y		
33. 34. 35. 36. 37. 38. 39. 40.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius	Y		
33. 34. 35. 36. 37. 38. 39. 40. 41.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339 1343	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius Thysanotus multiflorus (Many-flowered Fringe Lily)	Y		
33. 34. 35. 36. 37. 38. 39. 40. 41. 42.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339 1343 1351	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius Thysanotus multiflorus (Many-flowered Fringe Lily) Thysanotus patersonii	Y		
33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339 1343 1351	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Ornithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius Thysanotus multiflorus (Many-flowered Fringe Lily) Thysanotus patersonii Thysanotus sparteus	Y		
33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339 1343 1351 1354	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Omithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius Thysanotus multiflorus (Many-flowered Fringe Lily) Thysanotus sparteus Thysanotus sparteus Thysanotus tenellus	Y		
33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44.	1232 1234 1239 1240 1243 1246 20664 1312 1319 1339 1343 1351 1354 1357	Lomandra micrantha (Small-flower Mat-rush) Lomandra nigricans Lomandra preissii Lomandra purpurea (Purple Mat Rush) Lomandra sericea (Silky Mat Rush) Lomandra suaveolens Omithogalum longebracteatum Sowerbaea laxiflora (Purple Tassels) Thysanotus arenarius Thysanotus multiflorus (Many-flowered Fringe Lily) Thysanotus sparteus Thysanotus sparteus Thysanotus tenellus	Y		









	Ivallie ID	Species Name	Naturalised	Conservation Code	Area
48.		Angianthus drummondii		P3	
49.		Angianthus preissianus			
50.		Arctotheca calendula (Cape Weed, African Marigold)	Υ		
51.		Asteridea pulverulenta (Common Bristle Daisy)			
52.		Chondrilla juncea (Skeleton Weed)	Y		
53.		Cotula bipinnata (Ferny Cotula)	Y		
54.		Cotula turbinata (Funnel Weed)	Y		
55.		Craspedia variabilis			
56.		Crepis foetida subsp. foetida (Stinking Hawksbeard)	Υ		
57.		Euchiton sphaericus			
58.		Helianthus debilis subsp. cucumerifolius	Y		
59.		Hyalosperma simplex subsp. simplex			
60.		Hypochaeris glabra (Smooth Catsear)	Y		
61.		Millotia myosotidifolia			
62.		Olearia axillaris (Coastal Daisybush)			
63.		Olearia elaeophila			
64.		Picris angustifolia			
65.		Picris squarrosa			
66.		Pithocarpa cordata			
67.		Podolepis gracilis (Slender Podolepis)			
68.		Podolepis nutans (Nodding Podolepis)			
69.		Pseudognaphalium luteoalbum (Jersey Cudweed)			
70.		Rhodanthe citrina			
71.		Senecio multicaulis subsp. multicaulis			
72.		Senecio pinnatifolius			
73.		Siloxerus humifusus (Procumbent Siloxerus)			
74.	9367	Sonchus hydrophilus (Native Sowthistle)			
75.		Sonchus oleraceus (Common Sowthistle)	Υ		
76.	8255	Ursinia anthemoides (Ursinia)	Υ		
77.	38388	Ursinia anthemoides subsp. anthemoides	Υ		
78.	8257	Vellereophyton dealbatum (White Cudweed)	Υ		
79.	8282	Waitzia suaveolens (Fragrant Waitzia)			
80.	1272	Borya scirpoidea			
Brassicacea	е				
Brassicacea 81.	e 3000	Brassica tournefortii (Mediterranean Turnip)	Y		
Brassicacea 81. 82.	e 3000 3002	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket)	Y Y		
Brassicacea 81.	e 3000 3002	Brassica tournefortii (Mediterranean Turnip)			
Brassicacea 81. 82.	e 3000 3002 19403	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket)			
81. 82. 83.	3000 3002 19403	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket)			
81. 82. 83. Campanulac	3000 3002 19403 37500	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile	Y		
81. 82. 83. Campanulac 84.	3000 3002 19403 37500 7408	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana	Y		
81. 82. 83. Campanulac 84. 85.	3000 3002 19403 2eae 37500 7408 37440	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia)	Y		
81. 82. 83. Campanulac 84. 85. 86. 87.	3000 3002 19403 37500 7408 37440 7389	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa	Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace	9 3000 3002 19403 2:eae 37500 7408 37440 7389	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii	Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87.	9 3000 3002 19403 2:eae 37500 7408 37440 7389	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa	Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88.	3000 3002 19403 202 37500 7408 37440 7389 302 303 303 304 303 304 304 304 304 304 304	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii	Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace	3000 3002 19403 202 37500 7408 37440 7389 ae 7366	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii	Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac	3000 3002 19403 202 37500 7408 37440 7389 302 402 403 403 404 404 405 406 406 406 406 406 406 406 406 406 406	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon	Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophylla 89.	3000 3002 19403 202 37500 7408 37440 7389 302 402 403 404 404 405 406 406 406 406 406 406 406 406 406 406	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed)	Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophylla 89. 90.	3000 3002 19403 202 37500 7408 37440 7389 302 402 403 404 404 405 406 406 406 406 406 406 406 406 406 406	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort)	Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophylla 89. 90. 91.	3000 3002 19403 202 37500 7408 37440 7389 302 203 203 203 203 203 203 203 203 203	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia	Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93.	3000 3002 19403 202 37500 7408 37440 7389 302 2889 2889 2889 19825 2909 15972	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace	3000 3002 19403 202 37500 7408 37440 7389 302 2889 2889 2889 19825 2909 15972	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93.	3000 3002 19403 202 37500 7408 37440 7389 302 2889 2889 2889 19825 2909 15972	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace	3000 3002 19403 202 27500 7408 37440 7389 37440 7366 2889 2891 19825 2909 15972 2006	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophylla 89. 90. 91. 92. 93. Casuarinace 94.	3000 3002 19403 202 37500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 2009	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophylla 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae	3000 3002 19403 202 27500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 2009 1732	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96.	3000 3002 19403 202 19403 202 37500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 202 202 203 204 204 207 207 207 207 207 207 207 207 207 207	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak)	Y Y Y Y Y Y Y Y Y Y		
Brassicacea 81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida	3000 3002 19403 202 19403 202 37500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 202 1732 202 4733 4737	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97.	3000 3002 19403 2026 37500 7408 37440 7389 306 2889 2891 19825 2909 15972 202 4733 4737	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97. 98.	3000 3002 19403 2026 37500 7408 37440 7389 306 2889 2891 19825 2909 15972 202 4733 4737 306 4737	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis)	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97. 98. 99.	3000 3002 19403 202 19403 202 37500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 202 4733 4737 4737	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis) Centrolepis drummondiana	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97. 98.	3000 3002 19403 202 19403 202 37500 7408 37440 7389 ae 7366 Ceae 2889 2891 19825 2909 15972 202 4733 4737 4737	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis)	Y Y Y Y Y Y Y Y Y Y		
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81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97. 98. 99.	3000 3002 19403 202 19403 202 19403 202 19403 202 203 203 203 203 203 203 203 203 2	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis) Centrolepis drummondiana	Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceae 95. 96. Centrolepida 97. 98. 99. 100. Chenopodia	3000 3002 19403 202 19403 202 19403 202 19403 202 203 203 203 203 203 203 203 203 2	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis) Centrolepis drummondiana Centrolepis polygyna (Wiry Centrolepis)	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		
81. 82. 83. Campanulac 84. 85. 86. 87. Caprifoliace 88. Caryophyllac 89. 90. 91. 92. 93. Casuarinace 94. Celastraceac 95. 96. Centrolepida 97. 98. 99. 100. Chenopodia 101.	3000 3002 19403 202 19403 202 19403 202 19403 202 203 203 203 203 203 203 203 203 2	Brassica tournefortii (Mediterranean Turnip) Cakile maritima (Sea Rocket) Stenopetalum gracile Grammatotheca bergiana var. bergiana Lobelia tenuior (Slender Lobelia) Monopsis debilis var. depressa Wahlenbergia preissii Centranthus macrosiphon Cerastium glomeratum (Mouse Ear Chickweed) Corrigiola litoralis (Strapwort) Petrorhagia dubia Silene gallica (French Catchfly) Silene gallica var. gallica Allocasuarina humilis (Dwarf Sheoak) Stackhousia monogyna Tripterococcus brunonis (Winged Stackhousia) Aphelia cyperoides Centrolepis aristata (Pointed Centrolepis) Centrolepis drummondiana Centrolepis polygyna (Wiry Centrolepis) Chenopodium album (Fat Hen)	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		

Department of Parks and Wildlife





	Name ID	Species Name Naturalised	Conservation Code	¹ Endemic To Query Area
105.		Rhagodia baccata subsp. dioica (Sea Berry Saltbush)		
106.		Threlkeldia diffusa (Coast Bonefruit)		
Colchicacea				
107.		Burchardia congesta		
108.		Burchardia multiflora (Dwarf Burchardia)		
109.	12072	Wurmbea dioica subsp. alba		
Commelina	ceae			
110.	1162	Cartonema philydroides		
Convolvulad	ceae			
111.	6616	Dichondra repens (Kidney Weed)		
Crassulacea	20			
112.		Crassula colorata (Dense Stonecrop)		
113.		Crassula colorata var. colorata		
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Cyperaceae		D (D . T I)		
114.		Baumea juncea (Bare Twigrush)		
115.		Baumea vaginalis (Sheath Twigrush)	D2	
116. 117.		Carex tereticaulis Carex thecata	P3	
117.		Carex triecata Cyathochaeta avenacea		
119.		Cyperus eragrostis (Umbrella Sedge)		
120.		Eleocharis acuta (Common Spikerush)		
121.		Evandra pauciflora		
122.		Ficinia nodosa (Knotted Club Rush)		
123.		Gahnia trifida (Coast Saw-sedge)		
124.		Isolepis cernua var. setiformis		
125.	912	Isolepis cyperoides		
126.	917	Isolepis marginata (Coarse Club-rush)		
127.	919	Isolepis oldfieldiana		
128.	925	Lepidosperma angustatum		
129.	42742	Lepidosperma calcicola		
130.	930	Lepidosperma costale		
131.	932	Lepidosperma effusum (Spreading Sword-sedge)		
132.		Lepidosperma gladiatum (Coast Sword-sedge, Kerbin)		
133.		Lepidosperma longitudinale (Pithy Sword-sedge)		
134.	940	Lepidosperma pubisquameum		
135.		Lepidosperma sp.		
136.		Lepidosperma sp. Blackwood (R. Davis 7696)		
137.		Lepidosperma sp. Margaret River (B.J. Lepschi 1841)		
138. 139.		Lepidosperma squamatum Lepidosperma striatum		
140.		Mesomelaena tetragona (Semaphore Sedge)		
141.		Schoenus asperocarpus (Poison Sedge)		
142.		Schoenus benthamii	P3	
143.		Schoenus efoliatus		
144.	992	Schoenus grandiflorus (Large Flowered Bogrush)		
145.		Schoenus laevigatus Schoenus laevigatus		
146.	999	Schoenus Ioliaceus	P2	
147.	17614	Schoenus plumosus		
148.	1011	Schoenus rigens		
149.	1013	Schoenus sculptus (Gimlet Bog-rush)		
150.	1020	Schoenus sublateralis		
151.		Schoenus variicellae		
152.	1036	Tetraria octandra		
Dasypogona	aceae			
153.		Dasypogon bromeliifolius (Pineapple Bush)		
Dennstaedti		Pteridium esculentum subsp. esculentum		
Dieroneses				
Dicranaceae 155.		Campylopus introflexus Y		
		1		
Dilleniaceae				
156.	5109	Hibbertia amplexicaulis		
		Hibbertia cuneiformis (Cutleaf Hibbertia)		
157.				
157. 158.	5118	Hibbertia cunninghamii		
157. 158. 159.	5118 20051	Hibbertia cunninghamii Hibbertia diamesogenos		
157. 158.	5118 20051 5135	Hibbertia cunninghamii		







	Name ID	Species Name	Naturalised C	onservation Code	¹ Endemic To Query Area
162.		Hibbertia racemosa (Stalked Guinea Flower)			704
163.	5172	Hibbertia stellaris (Orange Stars)			
164.		Hibbertia subvaginata			
165.	5176	Hibbertia vaginata			
Droseracea	ie				
166.	3095	Drosera erythrorhiza (Red Ink Sundew)			
167.	13217	Drosera erythrorhiza subsp. erythrorhiza			
168.	3097	Drosera gigantea (Giant Sundew)			
169.	14298	Drosera macrantha subsp. macrantha			
170.	3108	Drosera marchantii			
171.	13209	Drosera marchantii subsp. marchantii			
172.	48710	Drosera micrantha			
173.	3118	Drosera pallida (Pale Rainbow)			
174.		Drosera rosulata			
175.		Drosera stelliflora			
176.		Drosera stolonifera (Leafy Sundew)			
177.	13205	Drosera tubaestylis			
Elaeocarpa	ceae				
178.		Platytheca galioides			
179.		Tetratheca hirsuta (Black Eyed Susan)			
180.		Tetratheca hirsuta subsp. viminea			
		•			
Ericaceae					
181.		Andersonia caerulea (Foxtails)			
182.		Astroloma ciliatum (Candle Cranberry)			
183.		Astroloma pallidum (Kick Bush)			
184.		Conostephium pendulum (Pearl Flower)			
185.		Leucopogon australis (Spiked Beard-heath)			
186.		Leucopogon conostephioides			
187.		Leucopogon cordatus			
188.		Leucopogon parviflorus (Coast Beard-heath)			
189.		Leucopogon propinquus			
190.		Leucopogon racemulosus			
191.		Leucopogon sp. Busselton (D. Cooper 243)		P2	
192.	34/36	Lysinema pentapetalum			
Euphorbia	eae				
193.	4585	Amperea ericoides			
194.	4636	Euphorbia paralias (Sea Spurge)	Υ		
195.	4666	Monotaxis occidentalis			
196.	20537	Stachystemon virgatus			
Fabaceae					
197.	3207	Acacia alata (Winged Wattle)			
198.		Acacia applanata			
199.		Acacia cochlearis (Rigid Wattle)			
200.		Acacia cyclops (Coastal Wattle)			
201.		Acacia extensa (Wiry Wattle)			
202.		Acacia flagelliformis		P4	
203.		Acacia huegelii		. 7	
204.		Acacia incurva			
205.		Acacia Incurva Acacia longifolia	Υ		
206.		Acacia microbotrya (Manna Wattle, Kalyang)			
207.		Acacia podalyriifolia	Υ		
208.		Acacia pulchella (Prickly Moses)	,		
209.		Acacia pulchella var. glaberrima			
210.		Acacia pulchella var. goadbyi			
211.		Acacia pycnantha (Golden Wattle)	Υ		
212.		Acacia saligna (Orange Wattle, Kudjong)	·		
213.		Acacia saligna subsp. stolonifera			
214.		Acacia semitrullata		P4	
215.		Acacia stenoptera (Narrow Winged Wattle)			
216.		Acacia tetragonocarpa			
217.		Acacia willdenowiana (Grass Wattle)			
218.		Aotus gracillima			
219.		Aotus procumbens			
220.		Bossiaea eriocarpa (Common Brown Pea)			
221.		Chorizema cordatum			
		Daviesia angulata			
222.					
222. 223.		Daviesia decurrens subsp. decurrens			
	19747	Daviesia decurrens subsp. decurrens Daviesia divaricata (Marno)			







225.	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Qu Area
	3832	Daviesia physodes			
226.	3835	Daviesia preissii			
227.	3872	Euchilopsis linearis (Swamp Pea)			
228.	3876	Eutaxia epacridoides			
229.	3880	Eutaxia virgata			
230.		Gastrolobium capitatum			
231.		Gastrolobium cuneatum			
232.		Gastrolobium ebracteolatum			
233.		Gastrolobium whicherense		P2	
234.		Gompholobium capitatum		1 2	
235.		Gompholobium shuttleworthii			
		•			
236.		Gompholobium tomentosum (Hairy Yellow Pea)			
237.		Hardenbergia comptoniana (Native Wisteria)			
238.		Hovea chorizemifolia (Holly-leaved Hovea)			
239.	3968	Hovea trisperma (Common Hovea)			
240.	12859	Hovea trisperma var. trisperma			
241.	3992	Isotropis cuneifolia (Granny Bonnets)			
242.	4012	Jacksonia furcellata (Grey Stinkwood)			
243.	4017	Jacksonia horrida			
244.	4029	Jacksonia sternbergiana (Stinkwood, Kapur)			
245.		Kennedia coccinea subsp. calcaria			
246.		Kennedia prostrata (Scarlet Runner)			
247.	.5-1-1	Kennedia rubicunda			
248.	4052	Latrobea tenella			
			V		
249.		Lotus angustissimus (Narrowleaf Trefoil)	Y		
250.		Lotus subbiflorus	Y		
251.		Lupinus angustifolius (Narrowleaf Lupin)	Υ		
252.		Lupinus luteus (Yellow Lupin)	Υ		
253.	4079	Medicago polymorpha (Burr Medic)	Υ		
254.	4085	Melilotus indicus	Υ		
255.	4113	Ornithopus compressus (Yellow Serradella)	Υ		
256.	3618	Paraserianthes lophantha (Albizia)			
257.	4183	Pultenaea skinneri (Skinner's Pea)		P4	
258.	19183	Retama raetam	Υ		
259.	4292	Trifolium campestre (Hop Clover)	Υ		
260.		Trifolium cernuum (Drooping Flower Clover)	Y		
261.		Trifolium glomeratum (Cluster Clover)	Y		
262.		Trifolium hirtum (Rose Clover)	Y		
263.		Trifolium subterraneum (Subterranean Clover)	Y		
264.		Vicia hirsuta (Hairy Vetch)	Υ		
265.		Vicia sativa (Common Vetch)	Υ		
266.	11474	Vicia sativa subsp. nigra	Υ		
ınariaceae					
	22270	Funania humanatriaa			
267.	32370	Funaria hygrometrica			
eraniaceae					
268.	4332	Erodium botrys (Long Storksbill)	Υ		
269.		Erodium cicutarium (Common Storksbill)	Y		
		1			
270	4330	Geranium molle (Dove's Foot Craneshill)	Υ		
270. 271		Geranium molle (Dove's Foot Cranesbill) Geranium retrorsum	Υ		
270. 271.		Geranium molle (Dove's Foot Cranesbill) Geranium retrorsum	Υ		
271.	4340		Y		
271.	4340 1e		Y		
^{271.} oodeniacea	4340 10 12724	Geranium retrorsum	Y		
271. oodeniacea 272.	4340 1e 12724 7428	Geranium retrorsum Anthotium junciforme	Y		
271. oodeniacea 272. 273. 274.	4340 12724 7428 7454	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera)	Y		
271. oodeniacea 272. 273. 274. 275.	4340 1e 12724 7428 7454 7462	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata	Y		
271. codeniacea 272. 273. 274. 275. 276.	4340 12724 7428 7454 7462 7505	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana	Y		
271. codeniacea 272. 273. 274. 275. 276. 277.	4340 12724 7428 7454 7462 7505 7517	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278.	4340 12724 7428 7454 7462 7505 7517 12551	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279.	4340 12724 7428 7454 7462 7505 7517 12551 7538	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595 7602	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa Scaevola anchusifolia	Y		
271. oodeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595 7602 7606	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa Scaevola anchusifolia Scaevola calliptera	Y		
271. oodeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595 7602 7606 7619	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa Scaevola anchusifolia Scaevola calliptera Scaevola crassifolia (Thick-leaved Fan-flower)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. aemodoraco	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595 7602 7606 7619	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa Scaevola anchusifolia Scaevola crassifolia (Thick-leaved Fan-flower) Scaevola lanceolata (Long-leaved Scaevola)	Y		
271. codeniacea 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285.	4340 12724 7428 7454 7462 7505 7517 12551 7538 19286 19284 7572 7595 7602 7606 7619	Geranium retrorsum Anthotium junciforme Dampiera coronata (Wedge-leaved Dampiera) Dampiera linearis (Common Dampiera) Dampiera pedunculata Goodenia eatoniana Goodenia incana (Hoary Goodenia) Goodenia micrantha Goodenia pulchella Goodenia pulchella subsp. Coastal Plain A (M. Hislop 634) Goodenia pulchella subsp. Coastal Plain B (L.W. Sage 2336) Lechenaultia expansa Scaevola anchusifolia Scaevola calliptera Scaevola crassifolia (Thick-leaved Fan-flower)	Y		







281		Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1987 1987	289.	1416	Anigozanthos viridis (Green Kangaroo Paw, Kurulbardang)			
1911 1911	290.	1418	Conostylis aculeata (Prickly Conostylis)			
285. 1510 Concespie acuiteria subage prisente 295. 1472 Particularium singulare 296. 1472 Particularium singulare 297. 1481 Tabumantheus templere 298. 1481 Tabumantheus templere 298. 1481 Tabumantheus templere 298. 1481 Tabumantheus templere 301. 8159 Octoorium nobidieus 301. 8159 Octoorium nobidieus 301. 3018 Myringhyllum illanooium 302. 3019 Myringhyllum illanooium 303. 307 Octoorium nobidieus 303. 307 Octoorium nobidieus 304. 307 Octoorium nobidieus 305. 307 Octoorium nobidieus 306. 307 Octoorium nobidieus 307. 3120 Octoorium nobidieus (Plate Grass Lily) 308. 309 Octoorium nobidieus (Plate Grass Lily) 309. 3120 Octoorium nobidieus (Plate Grass Lily) 319. 319 Octoorium nobidieus (Plate Grass Lily) 319. 319 Octoorium nobidieus (Plate Grass Lily) 319. 319 Octoorium nobidieus (Plate Grass Lily) 310. 320 Octoorium nobidieus (Plate Grass Lily) 310. 320 Octoorium nobidieus (Plate Grass Lily) 311. 312 Octoorium nobidieus (Plate Grass Lily) 312. 3219 Octoorium nobidieus (Plate Grass Lily) 313. 319 Octoorium nobidieus (Plate Grass Lily) 314. 317 Octoorium nobidieus (Plate Grass Lily) 315. 317 Octoorium nobidieus (Plate Grass Lily) 316. 317 Octoorium nobidieus (Plate Grass Lily) 317 318 Octoorium nobidieus (Plate Grass Lily) 318 319 Octoorium nobidieus (Plate Grass Lily) 319 Octoorium nobidieus (Plate Grass Lily) 310 310 Octoorium nobidieus (Plate Grass Lily) 310 310 Octoorium nobidieus (Plate Grass Lily) 310 Octoorium nobidieus (Plate Grass Lily) 311 Octoorium nobidieus (Plate Grass Lily) 312 Octoorium nobidieus (Plate Grass Lily)	291.	11826	Conostylis aculeata subsp. aculeata			
249.	292.	12118	Conostylis aculeata subsp. gracilis			
294	293.					
1975 1972						
1475						
1481 Theorembre setarolle 1482 Theorembre setarolle 1483 1						
1462 750 conventione to microproteina						
Maioragaces						
Patient						
1596	299.	1483	Tribonanthes longipetala			
1	_		Consequence modulosus			
Hemerocalidates						
Manual						
30.8, 1261 Agrees continue scalarium (Blac Grass Lily) 304. 1276 Cassis incentum (Pale Grass Lily) 305. 1277 Cassis cocidentalis 307. 11283 Corproduce micrantal (Sand Lily) 307. 11283 Corproduce micrantal (Sand Lily) 307. 11283 Corproduce micrantal (Sand Lily) 309. 10526 Densells treviculus (Bleeberry Lily) 310. 1205 Densells treviculus (Bleeberry Lily) 311. 1205 Densells treviculus (Bleeberry Lily) 311. 1361 Tricorpra elector (Yellow Autumn Lily)	302.	6199	Myriophyllum tillaeoides			
30.8, 1261 Agrees continue scalarium (Blac Grass Lily) 304. 1276 Cassis incentum (Pale Grass Lily) 305. 1277 Cassis cocidentalis 307. 11283 Corproduce micrantal (Sand Lily) 307. 11283 Corproduce micrantal (Sand Lily) 307. 11283 Corproduce micrantal (Sand Lily) 309. 10526 Densells treviculus (Bleeberry Lily) 310. 1205 Densells treviculus (Bleeberry Lily) 311. 1205 Densells treviculus (Bleeberry Lily) 311. 1361 Tricorpra elector (Yellow Autumn Lily)	Hemerocall	lidaceae				
1216 1217 Carele micrantra (Pala Grass Lly)			Agrostocrinum scahrum (Blue Grass Lilv)			
306. 1277 Canesia occidentalia Sand Llly) 307. 1128 Corprothece micrantha (Sand Llly) 308. 1626 Dianella brovicaulis Sand Llly) 309. 1628 Dianella brovicaulis Sand Llly Sand Llly			1			
1295 Corynotheco micrantha (Sand Lily) 1295 Corynotheco micrantha (Sand Lily) 1295 Corynotheco micrantha sur micrant						
11235						
1938						
1930 1259 Dianella revoluta (Blueery Lily) 310 1255 Direscoia acalulis 311 1265 Tricoprie elabor (Yellow Autumn Lily) 17thuria australis P4 1831						
Hydatellaceae	308.	16326	Dianella brevicaulis			
Mydate Incase	309.	1259	Dianella revoluta (Blueberry Lily)			
Mathematical Math	310.	1295	Johnsonia acaulis			
1312 33018 7	311.	1361	Tricoryne elatior (Yellow Autumn Lily)			
1312 33018 7						
313. 1139 7riburia bibracteata 1141 7riburia submersa	-					
Hydrocharitacease					P4	
Hydrocharitaceae 315. 14531 Otelia ovalifolia subsp. ovalifolia Hypoxidaceae 316. 43763 Pauridia glabella 317. 43760 Pauridia occidentalis 318. 43761 Pauridia occidentalis var. occidentalis 319. 43762 Pauridia occidentalis var. ocquadriloba 320. 43782 Pauridia vaginata var. vaginata Iridaceae 321. 18392 Feesia alba x lechtlinii yacaa labax lechtlinii yacaaa labax lechtlinii yacaaaa labax lechtlinii yacaaaa labax lechtlinii yacaaaa labax lechtlinii yacaaa labax lechtlinii yacaaaa labax lechtlinii yacaaaaa labax lechtlinii yacaaaaa labax lechtlinii yacaaaaa labax lechtlinii yacaaaaa labax lechtlinii yacaaaaaa labax lechtlinii yacaaaaaaa labax lechtlinii yacaaaaaaaaa labax lechtlinii yacaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	313.	1139	Trithuria bibracteata			
Hypoxidacease	314.	1141	Trithuria submersa			
Hypoxidacease	Hydrocharie	taccac				
National Content	-		Ottolio avalifalio avban avalifalio			
316. 43763 Pauridia glabella	315.	14531	Ottelia ovalilolia subsp. ovalilolia			
316. 43763 Pauridia glabella	Hypoxidace	eae				
			Pauridia glabella			
318. 43761 Pauridia occidentalis var. occidentalis 319. 43762 Pauridia occidentalis var. quadriloba 320. 43782 Pauridia vaginata var. vaginata			-			
Sale Asr						
Pricidaceae						
321. 18392 Freesia alba x leichtlinii Y 322. 19179 Moraea flaccida (One-leaf Cape Tulip) Y 323. 1537 Orthrosanthus laxus (Morning Iris) Section on Capacity (Purple Flag, Kome) Y 324. 1550 Patersonia occidentalis (Purple Flag, Kome) Y 325. 156 Romulea rosea (Guildford Grass) Y Isoetaceae 326. 11 Isoetas drummondii (Quillwort) Juncaceae 327. 1178 Juncus caespiticius (Grassy Rush) Y 328. 1179 Juncus caepitatus (Capitate Rush) Y 330. 1181 Luzula meridionalis (Field Woodrush) Y Juncaginaceae 331. 4061 Cycnogeton lineare 332. 3326 7riglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush)	320.	43/02	raunula vaginala var. vaginala			
322. 19179 Moraea flaccida (One-leaf Cape Tulip) Y 323. 1537 Orthrosanthus laxus (Morning Iris)	Iridaceae					
323. 1537 Orthrosanthus laxus (Morning Iris) 324. 1550 Patersonia occidentalis (Purple Flag, Koma) 325. 1556 Romulea rosea (Guildford Grass) Y Isoetaceae 326. 11 Isoetes drummondii (Quillwort) Juncaceae 327. 1178 Juncus bufonius (Toad Rush) Y 328. 1179 Juncus caespiticius (Grassy Rush) Y 329. 1180 Juncus capitatus (Capitate Rush) Y 330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin mucronata 333. 147 Triglochin mucronata 334. 18587 Triglochin trichophora Lamiaceae 336. 6839 Hemlandra pungens (Snakebush)	321.	18392	Freesia alba x leichtlinii	Υ		
323. 1537 Orthrosanthus laxus (Morning Iris) 324. 1550 Patersonia occidentalis (Purple Flag, Koma) 325. 1556 Romulea rosea (Guildford Grass) Y Isoetaceae 326. 11 Isoetes drummondii (Quillwort) Juncaceae 327. 1178 Juncus bufonius (Toad Rush) Y 328. 1179 Juncus caespiticius (Grassy Rush) Y 329. 1180 Juncus capitatus (Capitate Rush) Y 330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin mucronata 333. 147 Triglochin mucronata 334. 18587 Triglochin trichophora Lamiaceae 336. 6839 Hemlandra pungens (Snakebush)						
Soetaceae			, , ,			
Soetaceae 326.			, , <u> </u>	V		
Suncaceae Sunc	325.	1556	KUITIUIEA TOSEA (GUIIATORA GRASS)	Υ		
Suncaceae Sunc	Isoetaceae					
Suncaceae Suncaceae Suncus bufonius (Toad Rush) Y Suncus caespiticius (Grassy Rush) Y Suncus caespiticius (Grassy Rush) Y Suncus caepitatus (Capitate Rush) Y Suncaginaceae Suzula meridionalis (Field Woodrush) Suzul		11	Isoetes drummondii (Quillwort)			
327. 1178 Juncus bufonius (Toad Rush) Y 328. 1179 Juncus caeșiticius (Grassy Rush) 329. 1180 Juncus capitatus (Capitate Rush) Y 330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 4061 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush)		• •	,			
328. 1179 Juncus caeștiticius (Grassy Rush) 329. 1180 Juncus capitatus (Capitate Rush) 330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	Juncaceae					
329. 1180 Juncus capitatus (Capitate Rush) 330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	327.	1178	Juncus bufonius (Toad Rush)	Υ		
330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	328.	1179	Juncus caespiticius (Grassy Rush)			
330. 1198 Luzula meridionalis (Field Woodrush) Juncaginaceae 331. 40661 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin rana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	329.	1180	Juncus capitatus (Capitate Rush)	Υ		
Suncaginaceae	330.					
331. 40661 Cycnogeton lineare 332. 33276 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush)			, ,			
332. 332f6 Triglochin isingiana 333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	_	eae				
333. 147 Triglochin mucronata 334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	331.	40661	Cycnogeton lineare			
334. 18587 Triglochin nana 335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	332.	33276	Triglochin isingiana			
335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	333.	147	Triglochin mucronata			
335. 152 Triglochin trichophora Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae	334.	18587	Triglochin nana			
Lamiaceae 336. 6839 Hemiandra pungens (Snakebush) Lauraceae						
336. 6839 Hemiandra pungens (Snakebush) Lauraceae			,			
Lauraceae		6000	Hamiandra pungans (Spakahush)			
	330.	6839	поппания рипуень (эпакериян)			
	Lauraceae					
338 2957 Cassytha racemosa (Dodder Laurel)		11501	Cassytha qlabella forma casuarinae			
·	337.					
Co		2957	Cassytha racemosa (Dodder Laurel)			

340. 7145 Utricularia menziesii (Redcoats)







	Name ID	Species Name Na	aturalised	Conservation Code	¹ Endemic To Query Area
Loganiaceae					
341. 342.		Adelphacme minima Phyllangium divergens		P3	
Loranthacea		,g			
343.	~	Nuytsia floribunda (Christmas Tree, Mudja)			
Malvaceae					
344.	5038	Lasiopetalum membranaceum		P3	
Marsileaceae					
345.		Pilularia novae-hollandiae (Austral Pillwort)			
Menyanthace		Liparophyllum capitatum			
347.		Ornduffia parnassifolia			
348.	36200	Omduffia submersa		P4	
Montiaceae					
349.	2845	Calandrinia brevipedata (Short-stalked Purslane)			
Myrtaceae					
350. 351.		Agonis flexuosa (Peppermint, Wonil) Agonis flexuosa var. flexuosa			
351.		Astartea affinis (West-coast Astartea)			
353.		Astartea scoparia (Common Astartea)			
354.		Astartea zephyra			
355. 356		Calothamnus lateralis Calothamnus lateralis var. lateralis			
356. 357.		Calotnamnus lateralis var. lateralis Calytrix flavescens (Summer Starflower)			
358.		Calytrix fraseri (Pink Summer Calytrix)			
359.		Eucalyptus gomphocephala (Tuart, Duart)			
360. 361.		Eucalyptus marginata (Jarrah, Djara) Eucalyptus rudis (Flooded Gum, Kulurda)			
362.		Eucalyptus rudis subsp. cratyantha		P4	
363.		Hypocalymma angustifolium (White Myrtle, Kudjid)			
364.		Hypocalymma angustifolium subsp. Swan Coastal Plain (G.J. Keighery 16777)			
365. 366.		Kunzea ericifolia (Spearwood, Pondil) Kunzea micrantha subsp. micrantha			
367.		Kunzea midrahaha sabsp. midrahaha Kunzea recurva			
368.	5926	Melaleuca lateritia (Robin Redbreast Bush)			
369.		Melaleuca osullivanii			
370. 371.		Melaleuca pauciflora Melaleuca preissiana (Moonah)			
372.		Melaleuca rhaphiophylla (Swamp Paperbark)			
373.		Melaleuca teretifolia (Banbar)			
374. 375.		Metaleuca thymoides Pericalymma ellipticum (Swamp Teatree)			
375. 376.		Pericalymma ellipticum var. ellipticum			
377.		Verticordia attenuata		P3	
Onagraceae		Oenothera mollissima	Υ		
Orchidaceae		Caladenia attingens subsp. attingens			
380.		Caladenia chapmanii			
381.		Caladenia discoidea (Dancing Orchid)			
382. 383.		Caladenia flava (Cowslip Orchid) Caladenia flava subsp. flava			
383. 384.		Caladenia tiava suosp. tiava Caladenia georgei			
385.		Caladenia hirta subsp. hirta			
386.		Caladenia huegelii (Grand Spider Orchid)		Т	
387. 388.		Caladenia latifolia (Pink Fairy Orchid) Caladenia longicauda (Common White Spider Orchid)			
389.		Caladerila longicauda (Common white Spider Orchid) Caladenia longicauda subsp. clívicola			
390.		Caladenia nana subsp. nana			
391.		Caladenia nobilis			
392. 393.		Caladenia paludosa Caladenia pendens subsp. pendens			
393. 394.		Caladenia reptans subsp. reptans			
395.		Caladenia speciosa		P4	
396.		Caladenia vulgata			
397.	15114	Cyanicula gemmata		·	***************************************
		NatureMap is a collaborative project of the Department of Parks and Wildlife and the Western A	Australian Museun	Department Parks and V	of Vildlife muse ur



	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
398.		Cyanicula sericea			
399.		Cyrtostylis huegelii			
400.		Disa bracteata	Υ	-	
401. 402.		Diuris drummondii (Tall Donkey Orchid) Diuris porphyrochila		Т	
403.		Drakaea livida			
404.		Drakaea micrantha		Т	
405.		Elythranthera brunonis (Purple Enamel Orchid)		'	
406.		Eriochilus dilatatus (White Bunny Orchid)			
407.		Eriochilus dilatatus subsp. multiflorus			
408.		Leporella fimbriata (Hare Orchid)			
409.		Microtis media (Tall Mignonette Orchid)			
410.		Microtis media subsp. media			
411.		Paracaleana nigrita (Flying Duck Orchid)			
412.	1674	Prasophyllum giganteum (Bronze Leek Orchid)			
413.	10853	Prasophyllum plumiforme			
414.	44084	Prasophyllum sp. early (G. Brockman GBB 1626)			
415.		Pterostylis aff. nana			
416.	1685	Pterostylis angusta			
417.	15426	Pterostylis aspera			
418.	17267	Pterostylis brevisepala			
419.	11054	Pterostylis hamiltonii (Red-veined Shell Orchid)			
420.	11118	Pterostylis pyramidalis (Snail Orchid)			
421.	1693	Pterostylis recurva (Jug Orchid)			
422.	1694	Pterostylis rogersii (Curled-tongue Shell Orchid)			
423.	18655	Pterostylis sp. crinkled leaf (G.J. Keighery 13426)			
424.	1698	Pterostylis vittata (Banded Greenhood)			
425.	1705	Thelymitra crinita (Blue Lady Orchid)			
426.	1708	Thelymitra fuscolutea (Chestnut Sun Orchid)			
427.	20730	Thelymitra paludosa			
428.	1717	Thelymitra variegata (Queen of Sheba)		P2	
Orobanchac	020				
429.		Orobanche minor (Lesser Broomrape)	Υ		
430.		Parentucellia latifolia (Common Bartsia)	Y		
431.		Parentucellia viscosa (Sticky Bartsia)	Y		
431.	7030	Tarentacella viscosa (Glicky Bartsia)	į.		
Oxalidaceae					
432.	4352	Oxalis glabra	Y		
433.	4354	Oxalis incarnata	Y		
434.	4355	Oxalis perennans			
435.	4356	Oxalis pes-caprae (Soursob)	Υ		
Phacelocarp	aceae				
436.		Phacelocarpus alatus			
436.	27131	Phacelocarpus alatus			
436. Phyllanthace	27131 eae				
436.	27131 eae	Phacelocarpus alatus Phyllanthus calycinus (False Boronia)			
436. Phyllanthaco 437.	27131 eae 4675				
436. Phyllanthace	27131 Pae 4675				
436. Phyllanthaco 437. Plantaginaco	27131 Pae 4675 Pae 14282	Phyllanthus calycinus (False Boronia)	Y		
436. Phyllanthaco 437. Plantaginaco 438. 439.	27131 Pae 4675 Pae 14282	Phyllanthus calycinus (False Boronia) Gratiola pubescens	Y		
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae	27131 eae 4675 eae 14282 7108	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell)			
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440.	27131 eae 4675 eae 14282 7108	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass)	Υ		
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440. 441.	27131 eae 4675 eae 14282 7108 184 186	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass) Aira elegantissima			
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440. 441. 442.	27131 Page 4675 Page 14282 7108 184 186 13380	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass) Aira elegantissima Amphibromus nervosus	Υ		
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440. 441. 442. 443.	27131 Page 4675 Page 14282 7108 184 186 13380 200	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass) Aira elegantissima Amphibromus nervosus Amphipogon turbinatus	Y Y		
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440. 441. 442. 443. 444.	27131 200 4675 200 14282 7108 184 186 13380 200 202	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass) Aira elegantissima Amphibromus nervosus Amphipogon turbinatus Anthoxanthum odoratum (Sweet Vernal Grass)	Υ	_	
436. Phyllanthace 437. Plantaginace 438. 439. Poaceae 440. 441. 442. 443. 444. 445.	27131 200 4675 200 14282 7108 184 186 13380 200 202 38480	Phyllanthus calycinus (False Boronia) Gratiola pubescens Veronica arvensis (Wall Speedwell) Aira caryophyllea (Silvery Hairgrass) Aira elegantissima Amphibromus nervosus Amphipogon turbinatus Anthoxanthum odoratum (Sweet Vernal Grass) Austrostipa bronwenae	Y Y	T	
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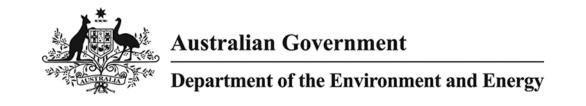




	Name ID	Species Name	Naturalised (Conservation Code ¹ Endemic T Area	o Query
459.	299	Deyeuxia quadriseta (Reed Bentgrass)		Alec	a
460.		Dichelachne crinita (Longhair Plumegrass)			
461.		Ehrharta calycina (Perennial Veldt Grass)	Y		
462.		Ehrharta longiflora (Annual Veldt Grass)	Y		
463.		Eragrostis curvula (African Lovegrass)	Y		
464.		Holcus lanatus (Yorkshire Fog)	Υ		
465.		Lachnagrostis plebeia			
466.		Lagurus ovatus (Hare's Tail Grass)	Y		
467.		Lolium rigidum (Wimmera Ryegrass)	Y		
468.		Lolium x hybridum	Υ		
469.		Microlaena stipoides (Weeping Grass)			
470.		Poa drummondiana (Knotted Poa)			
471.		Poa poiformis (Coastal Poa)			
472.		Polypogon tenellus			
473.		Rytidosperma occidentale			
474.		Spinifex longifolius (Beach Spinifex)			
475.		Stenotaphrum secundatum (Buffalo Grass)	Υ		
476.		Vulpia bromoides (Squirrel Tail Fescue)	Y		
477.		Vulpia fasciculata	Υ		
478.		Vulpia myuros (Rat's Tail Fescue)	Υ		
		,			
Podocarpac					
479.	86	Podocarpus drouynianus (Wild Plum, Kula)			
Polygalacea	е				
480.		Comesperma flavum			
481.		Comesperma virgatum (Milkwort)			
. .					
Polygonace					
482.		Persicaria decipiens			
483.	2429	Rumex acetosella (Sorrel)	Y		
Posidoniace	ae				
484.	122	Posidonia angustifolia			
Potamogeto					
485.	110	Potamogeton drummondii			
Pottiaceae					
486.	32315	Barbula calycina			
487.		Syntrichia papillosa			
Primulaceae					
488.		Lysimachia arvensis (Pimpernel)	Y		
489.		Samolus junceus			
490.	6484	Samolus repens (Creeping Brookweed)			
Proteaceae					
491.	1790	Adenanthos meisneri			
492.		Adenanthos obovatus (Basket Flower)			
493.		Banksia attenuata (Slender Banksia, Piara)			
494.		Banksia ilicifolia (Holly-leaved Banksia)			
495.		Banksia littoralis (Swamp Banksia, Pungura)			
496.		Conospermum capitatum			
497.		Franklandia triaristata (Lanoline Bush)		P4	
498.		Grevillea bipinnatifida subsp. bipinnatifida			
499.		Grevillea manglesioides subsp. manglesioides			
500.		Grevillea vestita			
500.		Hakea varia (Variable-leaved Hakea)			
501.		Persoonia longifolia (Snottygobble)			
502.		Persoonia saccata (Snottygobble)			
503.		Petrophile linearis (Pixie Mops)			
504.					
505. 506.		Stirlingia latifolia (Blueboy) Synaphea hians		D2	
				P3	
507.		Synaphea polymorpha (Albany Synaphea, Pinda)			
508.	2331	Xylomelum occidentale (Woody Pear, Djandin)			
Ranunculac	eae				
509.	2932	Ranunculus colonorum (Common Buttercup)			
510.	2935	Ranunculus pumilio (Smallflower Buttercup)			
Postioner:					
Restionacea					
511.		Desmocladus fasciculatus			
512.		Hypolaena exsulca			
513.	1071	Hypolaena fastigiata			
				Department of	mus
				I I BI (A) B Doportinon Of	







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: 30/07/18 18:47:57

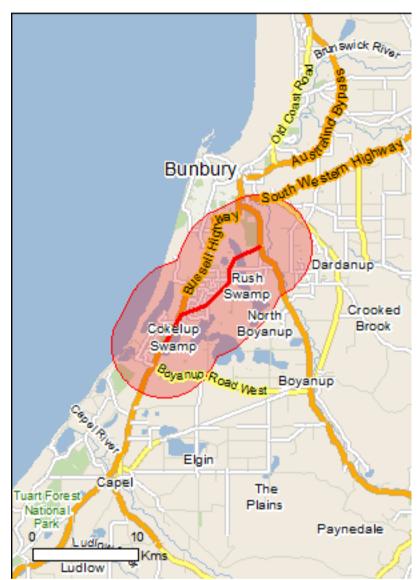
Summary

Details

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

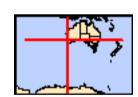
Caveat

<u>Acknowledgements</u>



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

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:	2
Listed Threatened Species:	64
Listed Migratory Species:	42

Other Matters Protected by the EPBC Act

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

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

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	2
Commonwealth Heritage Places:	None
Listed Marine Species:	67
Whales and Other Cetaceans:	13
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:	2
Regional Forest Agreements:	None
Invasive Species:	31
Nationally Important Wetlands:	None
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			
Listed Threatened Species		[Resource Information]			
Name	Status	Type of Presence			
Birds					
Anous tenuirostris melanops					
Australian Lesser Noddy [26000]	Vulnerable	Species or species habitat may occur within area			
Botaurus poiciloptilus					
Australasian Bittern [1001]	Endangered	Species or species habitat may occur within area			
Calidris canutus					
Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area			
Calidris ferruginea					
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to 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	Breeding 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			
Diomedea amsterdamensis					
Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area			
Diomedea dabbenena					
Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area			
Diomedea epomophora					
Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area			
<u>Diomedea exulans</u>	\/ulparahla	Foreging foodings as			
Wandering Albatross [89223]	Vulnerable	Foraging, feeding or			

[Resource Information]

Name	Status	Type of Presence
Diomedea sanfordi		related behaviour likely to occur within area
Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Halobaena caerulea Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
Limosa lapponica baueri Bar-tailed Godwit (baueri), Western Alaskan Bar-tailed Godwit [86380]	Vulnerable	Species or species habitat likely to occur within area
<u>Limosa Iapponica menzbieri</u> Northern Siberian Bar-tailed Godwit, Bar-tailed Godwit (menzbieri) [86432]	Critically Endangered	Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area
Phoebetria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding likely to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
Thalassarche cauta cauta Shy Albatross, Tasmanian Shy Albatross [82345]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Thalassarche cauta steadi White-capped Albatross [82344]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
Fish		
Nannatherina balstoni Balston's Pygmy Perch [66698]	Vulnerable	Species or species habitat may occur within area
Mammals		
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species

Name	Status	Type of Presence
Dasyurus geoffroii		habitat likely to occur within area
Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat likely to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Vulnerable	Species or species habitat may occur within area
Pseudocheirus occidentalis Western Ringtail Possum, Ngwayir, Womp, Woder, Ngoor, Ngoolangit [25911] Setonix brachyurus	Critically Endangered	Breeding known to occur within area
Quokka [229]	Vulnerable	Species or species habitat known to occur within area
Other		
Westralunio carteri Carter's Freshwater Mussel, Freshwater Mussel [86266]	Vulnerable	Species or species habitat known to occur within area
Plants		
Andersonia gracilis Slender Andersonia [14470]	Endangered	Species or species habitat may occur within area
Austrostipa bronwenae [87808]	Endangered	Species or species habitat known to occur within area
Austrostipa jacobsiana [87809]	Critically Endangered	Species or species habitat known to occur within area
Banksia nivea subsp. uliginosa Swamp Honeypot [82766]	Endangered	Species or species habitat may occur within area
Banksia squarrosa subsp. argillacea Whicher Range Dryandra [82769]	Vulnerable	Species or species habitat may occur within area
Brachyscias verecundus Ironstone Brachyscias [81321]	Critically Endangered	Species or species habitat may occur within area
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid [7309]	Endangered	Species or species habitat known to occur within area
Chamelaucium sp. S coastal plain (R.D.Royce 4872) Royce's Waxflower [87814]	Vulnerable	Species or species habitat may occur within area
<u>Diuris drummondii</u> Tall Donkey Orchid [4365]	Vulnerable	Species or species habitat likely to occur within area
<u>Diuris micrantha</u> Dwarf Bee-orchid [55082]	Vulnerable	Species or species habitat likely to occur within area
<u>Diuris purdiei</u> Purdie's Donkey-orchid [12950]	Endangered	Species or species habitat may occur within

Name	Status	Type of Presence
Drakaea elastica Glossy-leafed Hammer Orchid, Glossy-leaved Hammer Orchid, Warty Hammer Orchid [16753]	Endangered	Species or species habitat likely to occur within area
Drakaea micrantha Dwarf Hammer-orchid [56755]	Vulnerable	Species or species habitat known to occur within area
Eleocharis keigheryi Keighery's Eleocharis [64893]	Vulnerable	Species or species habitat likely to occur within area
Gastrolobium papilio Butterfly-leaved Gastrolobium [78415]	Endangered	Species or species habitat may occur within area
Lambertia echinata subsp. occidentalis Western Prickly Honeysuckle [64528]	Endangered	Species or species habitat may occur within area
Petrophile latericola Laterite Petrophile [64532]	Endangered	Species or species habitat may occur within area
Synaphea sp. Fairbridge Farm (D. Papenfus 696) Selena's Synaphea [82881]	Critically Endangered	Species or species habitat likely to occur within area
Synaphea sp. Serpentine (G.R. Brand 103) [86879]	Critically Endangered	Species or species habitat may occur within area
Synaphea stenoloba Dwellingup Synaphea [66311]	Endangered	Species or species habitat may occur within area
Verticordia densiflora var. pedunculata Long-stalked Featherflower [55689]	Endangered	Species or species habitat may occur within area
Reptiles		
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
<u>Chelonia mydas</u> Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur
Sharks		within area
Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area



	Name ID	Species Name Natur	alised Conser	vation Code ¹ E	ndemic To Query Area
514.	17841	Hypolaena pubescens			
515.	1077	Leptocarpus canus (Hoary Twine-rush)			
516.	1078	Leptocarpus coangustatus			
517.	19833	Leptocarpus laxus			
518.	1082	Leptocarpus tenax (Slender Twine Rush)			
519.		Leptocarpus thysananthus			
		4			
Rhamnaceae					
520.	13484	Cryptandra arbutiflora var. tubulosa			
521.	4828	Spyridium globulosum (Basket Bush)			
Rubiaceae					
522.	7321	Galium divaricatum	Y		
523.	7323		Y		
524.			Y		
525.		Opercularia apiciflora			
526.		Opercularia hispidula (Hispid Stinkweed)			
527.		Opercularia vaginata (Dog Weed)			
528.	7362	Sherardia arvensis (Field Madder)	Y		
Rutaceae					
529.	4417	Boronia dichotoma			
530.		Boronia spathulata (Boronia)			
				P3	
531.		Boronia tetragona Diplologna dempiori (Southorn Diplologna)		1.9	
532.		Diplolaena dampieri (Southern Diplolaena)			
533.	18529	Philotheca spicata (Pepper and Salt)			
Santalaceae					
534.	10907	Exocarpos odoratus (Scented Ballart)			
535.		Exocarpos sparteus (Broom Ballart, Djuk)			
536.		Leptomeria cunninghamii			
				DO.	
537.		Leptomeria furtiva		P2	
538.	2353	Leptomeria scrobiculata			
Scrophularia	ceae				
539.		Dischisma arenarium	Y		
540.		Eremophila glabra subsp. albicans	•		
0.0.		2.6.nop.ma gasta casop. aisteano			
Selaginellac	eae				
541.	6	Selaginella gracillima (Tiny Clubmoss)			
Colonopoo					
Solanaceae	00.40	Andreas and Europe Of House To Harris			
542.		Anthocercis littorea (Yellow Tailflower)			
543.	7022	Solanum nigrum (Black Berry Nightshade)	Y		
Stylidiaceae					
544.	7677	Levenhookia stipitata (Common Stylewort)			
545.		Stylidium androsaceum			
546.		Stylidium araeophyllum (Stilt Walker)			
547.		Stylidium brunonianum (Pink Fountain Triggerplant)			
548.		Stylidium dichotomum (Pins-and-needles)			
549.	25801				
550.		Stylidium hesperium			
		Stylidium hesperium Stylidium junceum (Reed Triggerplant)			
551.	7745			P4	
551. 552.	7745 7756	Stylidium junceum (Reed Triggerplant)		P4	
	7745 7756 19248	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks)		P4	
552.	7745 7756 19248 7774	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant)		P4	
552. 553. 554.	7745 7756 19248 7774 7785	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant)		P4	
552. 553. 554. 555.	7745 7756 19248 7774 7785	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks)		P4	
552. 553. 554. 555. 556.	7745 7756 19248 7774 7785 7798	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp.		P4	
552. 553. 554. 555. 556. 557.	7745 7756 19248 7774 7785 7798	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant)		P4	
552. 553. 554. 555. 556.	7745 7756 19248 7774 7785 7798	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp.		P4	
552. 553. 554. 555. 556. 557. 558.	7745 7756 19248 7774 7785 7798 7806 7808	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant)		P4	
552. 553. 554. 555. 556. 557. 558.	7745 7756 19248 7774 7785 7798 7806 7808	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant)		P4	
552. 553. 554. 555. 556. 557. 558. Fhymelaeacc 559.	7745 7756 19248 7774 7785 7798 7806 7808	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant)		P4	
552. 553. 554. 555. 556. 557. 558.	7745 7756 19248 7774 7785 7798 7806 7808	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant)		P4	
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552. 553. 554. 555. 556. 557. 558. Thymelaeace 559. 560.	7745 7756 19248 7774 7785 7798 7806 7808 9246 11402 5252	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant)		P4	
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561.	7745 7756 19248 7774 7785 7798 7806 7808 9246 11402 5252	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata		P4	
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561. Violaceae	7745 7756 19248 7774 7785 7798 7806 7808 9ae 11402 5252	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata Parietaria debilis (Pellitory)		P4	
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561.	7745 7756 19248 7774 7785 7798 7806 7808 9ae 11402 5252	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata		P4	
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561. Violaceae 562.	7745 7756 19248 7774 7785 7798 7806 7808 938 11402 5252 1762	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata Parietaria debilis (Pellitory)		P4	
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552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561. Violaceae 562. Xanthorrhoe 563.	7745 7756 19248 7774 7785 7798 7806 7808 988 11402 5252 1762 5221 aceae 1280	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata Parietaria debilis (Pellitory) Hybanthus floribundus Chamaescilla corymbosa (Blue Squill)			
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Urticaceae 561. Violaceae 562. Xanthorrhoe 563. 564.	7745 7756 19248 7774 7785 7798 7806 7808 988 11402 5252 1762 5221 aceae 1280 19338	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata Parietaria debilis (Pellitory) Hybanthus floribundus Chamaescilla corymbosa (Blue Squill) Chamaescilla gibsonii		P4	
552. 553. 554. 555. 556. 557. 558. Thymelaeacc 559. 560. Jrticaceae 561. /iolaceae 562. (anthorrhoe 563.	7745 7756 19248 7774 7785 7798 7806 7808 988 11402 5252 1762 5221 aceae 1280 19338	Stylidium junceum (Reed Triggerplant) Stylidium longitubum (Jumping Jacks) Stylidium megacarpum Stylidium piliferum (Common Butterfly Triggerplant) Stylidium repens (Matted Triggerplant) Stylidium schoenoides (Cow Kicks) Stylidium sp. Stylidium utricularioides (Pink Fan Triggerplant) Stylidium violaceum (Violet Triggerplant) Pimelea imbricata var. piligera Pimelea lanata Parietaria debilis (Pellitory) Hybanthus floribundus Chamaescilla corymbosa (Blue Squill)			







Conservation Code ¹Endemic To Query Area Name ID Species Name Naturalised

566. 1256 Xanthorrhoea preissii (Grass tree, Palga)

Zamiaceae

85 Macrozamia riedlei (Zamia, Djiridji) 567.

Zygophyllaceae

4390 Zygophyllum fruticulosum (Shrubby Twinleaf) 568.

- 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

¹ 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.





Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardenna carneipes		
Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area
Diomedea amsterdamensis		
Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<u>Diomedea dabbenena</u>		
Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area
Diomedea epomophora		
Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea exulans</u> Wandaring Albatrass [80222]	Vulnerable	Foraging fooding or related
Wandering Albatross [89223]	vuirierable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea sanfordi</u> Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related
	Liluarigered	behaviour likely to occur within area
Hydroprogne caspia Caspian Tern [808]		Foraging, feeding or related
		behaviour known to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat
	Lindarigoroa	may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat
Northern Clarit i circi [1001]	Valificiable	may occur within area
Onychoprion anaethetus		
Bridled Tern [82845]		Foraging, feeding or related behaviour likely to occur within area
Phoebetria fusca Sooty Albatross [1075]	Vulnerable	Species or species habitat
		may occur within area
Thalassarche carteri	\/ln o roble	Foreging fooding or related
Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
Thalassarche cauta Tasmanian Shy Albatross [89224]	Vulnerable*	Foraging, feeding or related
	vuirierable	behaviour likely to occur within area
<u>Thalassarche impavida</u> Campbell Albatross, Campbell Black-browed Albatross	Vulnerable	Species or species habitat
[64459]	Valificiable	may occur within area
<u>Thalassarche melanophris</u> Black-browed Albatross [66472]	Vulnerable	Species or species habitat
	vuirierable	may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Migratory Marine Species		
Balaena glacialis australis Southern Pight Whale [75529]	Endangered*	Brooding known to accur
Southern Right Whale [75529]	Endangered*	Breeding known to occur within area

Name	Threatened	Type of Presence
Balaenoptera edeni		
Bryde's Whale [35]		Species or species habitat may occur within area
Balaenoptera musculus		
Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Caperea marginata Pygmy Right Whale [39]		Species or species habitat may occur within area
		,
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Caretta caretta		
Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
Chelonia mydas	V/vila a mala la	
Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<u>Lagenorhynchus obscurus</u> Dusky Dolphin [43]		Species or species habitat may occur within area
Manta alfredi		
Reef Manta Ray, Coastal Manta Ray, Inshore Manta Ray, Prince Alfred's Ray, Resident Manta Ray [84994]		Species or species habitat may occur within area
Manta birostris		
Giant Manta Ray, Chevron Manta Ray, Pacific Manta Ray, Pelagic Manta Ray, Oceanic Manta Ray [84995]		Species or species habitat may occur within area
Megaptera novaeangliae		
Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Natator depressus		
Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Orcinus orca Killor Whale, Orca [46]		Charles or angeles helitet
Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Migratory Terrestrial Species		
Motacilla cinerea		
Grey Wagtail [642]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos		Omazila
Common Sandpiper [59309]		Species or species habitat known to occur within area
Calidris acuminata		
Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area
Calidris canutus		
Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area

Name	Threatened	Type of Presence
Calidris ferruginea		
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
<u>Calidris melanotos</u>		
Pectoral Sandpiper [858]		Species or species habitat may occur within area
<u>Limosa lapponica</u>		
Bar-tailed Godwit [844]		Species or species habitat known to occur within area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat likely to occur within area
Tringa nebularia		
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 -

Defence - BUNBURY TRAINING DEPOT		
Listed Marine Species	the EDDC Act. Threetone	[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 known to occur within area
Anous tenuirostris melanops		
Australian Lesser Noddy [26000]	Vulnerable	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 known to occur within area
Calidris canutus		
Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
Calidris ferruginea		
Curlew Sandpiper [856]	Critically Endangered	Species or species

Name	Threatened	Type of Presence
		habitat likely to occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Catharacta skua		
Great Skua [59472]		Species or species habitat may occur within area
Diomedea amsterdamensis		
Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
<u>Diomedea dabbenena</u>		
Tristan Albatross [66471]	Endangered	Species or species habitat may occur within area
Diomedea epomophora		
Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea exulans</u>		
Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Diomedea sanfordi</u> Northorn Poval Albatross [64456]	Endangorod	Egracing fooding or related
Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Haliaeetus leucogaster White halling See Fagle [043]		Species or species habitat
White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Halobaena caerulea		
Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
Limosa lapponica		
Bar-tailed Godwit [844]		Species or species habitat known to occur within area
Macronectes giganteus		
Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli		
Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Merops ornatus		On a sing on an asing habitat
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea		On a sing on an arise helitat
Grey Wagtail [642]		Species or species habitat may occur within area
Numenius madagascariensis	Ouitiaalla Falla	Openius automobile 1 111
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area
Pachyptila turtur Fairy Prior [1066]		Charles ar an asias last tet
Fairy Prion [1066]		Species or species habitat likely to occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat likely to occur within area
Phoebetria fusca		_
Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within

Name	Threatened	Type of Presence
Dtara drama mallia		area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
Puffinus assimilis Little Shearwater [59363]		Foraging, feeding or related behaviour known to occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Sterna anaethetus Bridled Tern [814]		Foraging, feeding or related behaviour likely to occur within area
Sterna caspia Caspian Tern [59467]		Foraging, feeding or related behaviour known to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
Thalassarche cauta Tasmanian Shy Albatross [89224]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Thinornis rubricollis Hooded Plover [59510]		Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area
Fish		
Acentronura australe Southern Pygmy Pipehorse [66185]		Species or species habitat may occur within area
Campichthys galei Gale's Pipefish [66191]		Species or species habitat may occur within area
Heraldia nocturna Upside-down Pipefish, Eastern Upside-down Pipefish, Eastern Upside-down Pipefish [66227]		Species or species habitat may occur within area
Hippocampus angustus Western Spiny Seahorse, Narrow-bellied Seahorse [66234]		Species or species habitat may occur within area
Hippocampus breviceps Short-head Seahorse, Short-snouted Seahorse [66235]		Species or species habitat may occur within area
Hippocampus subelongatus West Australian Seahorse [66722]		Species or species habitat may occur within

Name	Threatened	Type of Presence
		area
Histiogamphelus cristatus Rhino Pipefish, Macleay's Crested Pipefish, Ring-back Pipefish [66243]		Species or species habitat may occur within area
<u>Lissocampus caudalis</u> Australian Smooth Pipefish, Smooth Pipefish [66249]		Species or species habitat may occur within area
<u>Lissocampus fatiloquus</u> Prophet's Pipefish [66250]		Species or species habitat may occur within area
<u>Lissocampus runa</u> Javelin Pipefish [66251]		Species or species habitat may occur within area
Maroubra perserrata Sawtooth Pipefish [66252]		Species or species habitat may occur within area
Mitotichthys meraculus Western Crested Pipefish [66259]		Species or species habitat may occur within area
Nannocampus subosseus Bonyhead Pipefish, Bony-headed Pipefish [66264]		Species or species habitat may occur within area
Phycodurus eques Leafy Seadragon [66267]		Species or species habitat may occur within area
Phyllopteryx taeniolatus Common Seadragon, Weedy Seadragon [66268]		Species or species habitat may occur within area
Pugnaso curtirostris Pugnose Pipefish, Pug-nosed Pipefish [66269]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Stigmatopora argus Spotted Pipefish, Gulf Pipefish, Peacock Pipefish [66276]		Species or species habitat may occur within area
Stigmatopora nigra Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area
Urocampus carinirostris Hairy Pipefish [66282]		Species or species habitat may occur within area
Vanacampus margaritifer Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area
Vanacampus phillipi Port Phillip Pipefish [66284]		Species or species habitat may occur within area
Vanacampus poecilolaemus Longsnout Pipefish, Australian Long-snout Pipefish, Long-snouted Pipefish [66285]		Species or species habitat may occur within area
Mammals		
Arctocephalus forsteri Long-nosed Fur-seal, New Zealand Fur-seal [20]		Species or species habitat may occur within

Name	Threatened	Type of Presence
		area
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Vulnerable	Species or species habitat may occur within area
Reptiles		
Chalania mudaa	Endangered	Foraging, feeding or related behaviour known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Whales and other Cetaceans		[Resource Information]
Name	Status	Type of Presence
Mammals		
Balaenoptera acutorostrata Minke Whale [33]		Species or species habitat may occur within area
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Caperea marginata Pygmy Right Whale [39]		Species or species habitat may occur within area
Delphinus delphis Common Dophin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Breeding known to occur within area
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
<u>Lagenorhynchus obscurus</u> Dusky Dolphin [43]		Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
<u>Tursiops aduncus</u> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Tursiops truncatus s. str.		
Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

Domestic Dog [82654]

State and Territory Reserves	[Resource Information]
Name	State
Tuart Forest	WA
Unnamed WA40552	WA

Invasive Species [Resource Information]

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

Name	Status	Type of Presence
Birds		
Anas platyrhynchos		
Mallard [974]		Species or species habitat likely to occur within area
Columba livia		
Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
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
Mammals		
Bos taurus		
Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris		
D // D // 1000 T //		

Species or species habitat

likely to occur within area

Name	Status	Type of Presence
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
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 rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
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 Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]		Species or species habitat likely to occur within area
Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]		Species or species habitat likely to occur within area
Asparagus declinatus 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 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
Genista linifolia Flax-leaved Broom, Mediterranean Broom, Flax Broon [2800]	า	Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana Broom [67538]		Species or species habitat may occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area
Olea europaea Olive, Common Olive [9160]		Species or species habitat may occur within area

Name	Status	Type of Presence
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]	9	Species or species habitat may occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & Willows except Weeping Willow, Pussy Willow and Sterile Pussy Willow [68497]		Species or species habitat likely to occur within area
Solanum elaeagnifolium Silver Nightshade, Silver-leaved Nightshade, White Horse Nettle, Silver-leaf Nightshade, Tomato Wee White Nightshade, Bull-nettle, Prairie-berry, Satansbos, Silver-leaf Bitter-apple, Silverleaf-nettle Trompillo [12323]	d,	Species or species habitat likely to occur within area

Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

Coordinates

 $-33.386225\ 115.684895, -33.394538\ 115.663952, -33.402277\ 115.658802, -33.410301\ 115.659146, -33.419758\ 115.649189, -33.427782\ 115.63786, -33.434945\ 115.61726, -33.456144\ 115.603184$

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.



APPENDIX D

Quadrat and Photo Point Data





Quadrat Species List

Row Labels	Status	GB 01	GB 02	GB 03	GB 04	GB 05	GB 06	GB 07	GB 08	GB 09	GB 10	GB 11	GB 12	GB 13	GB 14	GB 15	GB 16	GB 17	GB 18	GB 19	GB 20
Acacia applanata									1					1	1						
Acacia extensa			1																		
Acacia huegelii									1												
Acacia longifolia	*		1																		
Acacia pulchella var. pulchella			1												1						
Acacia pulchella var. glaberrima																			1	1	1
Agonis flexuosa					1		2	1				1	1	1			1				1
Agrostocrinum scabrum			1			1															
Alyxia buxifolia															1						
Anthoxanthum odoratum	*										1										
Astartea scoparia											1										
Asteridea pulverulenta					1	1															
Astroloma pallidum						1															
Austrostipa campylachne		1											1		1		1		1		
Austrostipa flavescens																				1	
Austrostipa semibarbata																					1
Avena barbata	*	1						1									1	1			
Avena fatua	*			1			1														
Banksia attenuata		1	1		1	1	1	1	1			1	1	1	1	1	1	1	1	1	1
Banksia grandis		1					1		1						1					1	
Banksia ilicifolia									1												1
Baumea juncea											1										
Billardiera variifolia															1						
Bossiaea eriocarpa		1			1	1			1										1		1
Briza maxima	*	1	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1	1
Briza minor	*												1								