

4 June 2020

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Dear Sir/Madam,

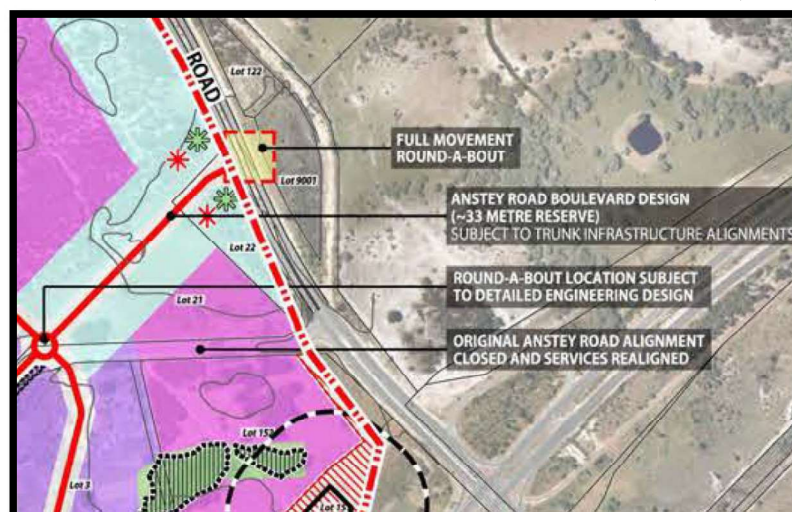
**RE: Forrestdale Business Park West Anstey Rd/Ranford Rd Intersection Realignment and Upgrade of Portions of Allen Road, Keane Road and Armadale Road – Clearing Permit Application**

On behalf of DevelopmentWA please find attached a Clearing Permit application to clear 0.8937ha of native vegetation to enable construction of the realigned intersection for Anstey Road and Ranford Road (0.1314ha) and upgrade sections of Allen, Armadale and Keane Roads (0.7623ha) in the City of Armadale (Figure 1).

## 1 Background

The proposed realigned intersection of Anstey and Ranford Road is located in the City of Armadale, approximately 6km west of the Armadale City Centre. The intersection realignment is consistent with the approved Forrestdale Business Park (West) Structure Plan which includes the construction of a new full movement roundabout approximately 200m north of the current T-junction intersection of the two roads (Figure 1). An extract from the Structure Plan showing the location of the original Anstey Road intersection with Ranford Road and the full movement roundabout is provided in Plate 1.

**Plate 1: Forrestdale Business Park Structure Plan (extract)**



Subdivision approval to excise private land for the purposes of creating the road reserves to enable the roundabout and Anstey Road to be constructed was granted on 4 December 2019 (WAPC 158375).

Construction of the realigned intersection will require the clearing of some native vegetation as shown by the black cross-hatching on Figure 1. Most of the native vegetation to be cleared is in the newly created road reserve for Ranford Road (WAPC 158375) which will come under the management of the City of Armdale.

The structure plan for the FBPW area also contains works required under the Development Contribution Scheme (DCS) to upgrade Armadale Road, Allen Road and Anstey Roads.

The Approved Structure Plan designates Keane Road in the Primary Network and Allen Road as Primary connector road and as such are to be widened as stated:

*‘Primary Connector’ roads are designated within the existing Anstey and Allen Road Reserves; including extension and/or re-alignment of these road reserves as required. The locations of these roads are fixed for the purpose of providing a rigid primary road framework between Ranford and Keane Roads, and to assist in the preparation of a Development Contribution Plan for the Structure Plan area.*

*Road widening of ‘Primary Connector’ roads as shown on the Structure Plan Map may be required to:*

- a) accommodate urban water drainage provision (i.e. road swales) to service the broader Structure Plan area;*
- b) accommodate appropriate easements for Trunk Infrastructure throughout the Structure Plan area, to the satisfaction of the relevant service agency; and/or*
- c) provide for a road design that services a high traffic volume or larger industrial vehicles that would not otherwise*

Armadale Road is designated in the approved Structure Plan as:

*Armadale Road may potentially be upgraded to 6-lanes on approach to Tonkin Highway (currently 2 lanes each way).*

The Structure Plan also specifies:

*Keane Road is to be re-aligned so that the intersection shall be located minimum 350 metres west of the future Tonkin Highway interchange ramps. The realignment of Keane Road was prepared under Amendment 30 to the Scheme; this formerly gazetted on 22 November 2013.*

The proposed works and associated clearing are in accordance with the approved Structure Plan.

## **2 Lot Details**

The proposed clearing is mostly within road reserves that are under the management order of the City of Armdale with some clearing extending into privately owned lots. Authorisation for DevelopmentWA to apply for the clearing permit on behalf of the City of Armdale is contained in Attachment 1. Note that initially the new intersection of Anstey and Ranford Roads was to be a separate application to the remainder of the works which is why the two work packages are referred to in the City’s Letter of Authority.

The clearing footprint extends into several lots, some of which are owned by DevelopmentWA and others in private ownership. Letters of Authority to apply for the Clearing Permit are Attachments 2 to 7. The Certificates of Title for each of the lots to have native vegetation cleared on them are Attachments 8 to 13 as shown in Table 1.

**Table 1: Attachment Numbers for Letters of Authority and Certificates of Title**

Address	Owner	Letter of Authority Attachment No	Certificate of Title Attachment No.
Lot 13 (301) Keane Road	HJH Nominees Pty Ltd	2	8
Lot 1 Keane Road	Korda Menthe acting on behalf of Grand Edition Pty Ltd	3	9
Lot 10 (350) Keane Road	Broadstairs Holdings Pty Ltd	4	10
Lot 5 (56) Allen Road	Department of Communities	5	11
Lot 800 (formerly Lot 22) Ranford Road	Della Vedova	6	12
Lot 79 (62) Allen Road	Michael Gatani	7	13

### 3 Land Use

Examination of Historical Aerial Photography indicates that most of the road reserves have been cleared in the past (Landgate, 2020) and the vegetation present is likely to be regrowth.

### 4 Topography

The proposed area of clearing is relatively flat with small local undulations. The proposed new intersection between Anstey and Ranford Roads is in a low-lying area with a surface level around 23m Australian Height Datum (AHD).

### 5 Geology and Soils

The proposed road upgrade areas are located on the Pinjarra Plain. The Pinjarra Plain extends from the eastern side of the Bassendean Dunes to the western edge of the Darling Scarp, which joins the Ridge Hill Shelf and forms the denuded slope of the Darling Fault (Beard 1990). The Pinjarra Plain System consists of a broad low relief plain west of the foothills, comprising predominantly Pleistocene fluvial sediments and some Holocene alluvium associated with major current drainage systems. The major soils are naturally poorly drained and many swamps occur.

The description of the soil phases mapped by the Department of Primary Industries and Regional Development (DPIRD) on the site are:

- Pinjarra P8 Phase (213Pj\_P8) which are described as soils occurring on broad poorly drained flats and poorly defined stream channels. The soils are moderately deep to deep sands over mottled clays. These may be acidic or less commonly alkaline grey and yellow duplex soils to uniform bleached (DPIRD, 2020) and are mapped over most of the road upgrade area; and
- Pinjarra, B2 Phase (213Pj\_B2) which are well to moderately well drained flat to very gently undulating sandplain. Deep bleached grey sands with a pale yellow B horizon or a weak iron-

organic hardpan 1-2m (DPIRD, 2020) and is mapped in a small area on the intersection of Keane and Allen Roads.

## **6 Hydrology**

Groundwater is approximately 21 to 22m Australian Height Datum (AHD) which is between 2 and 3m below ground level (DWER, 2020). Groundwater is influenced by Forrestdale Lake and flows generally to the south (Perth Groundwater Map, 2020).

## **7 Wetlands**

The proposed new intersection between Anstey and Ranford Roads is located in an area mapped as containing two wetlands. Resource Enhancement Dampland UFI 15500 is mapped either side of Ranford Road while a short section of Multiple Use Dampland UFI 15831 is within Lots 21 and 22 (National Map, 2020).

Allen Road has a Resource Enhancement Wetland (Unique Feature Identifier (UFI) 15564) mapped from the centre of the road to the south. Keane Road is mapped alongside Resource Enhancement Wetland UFI 15832.

The proposed upgrades will impact on the western tip of Resource Enhancement Dampland UFI 7525 with the new Keane Road, Armadale Road connection. The vegetation in the area that is mapped as wetland that will be impacted by the proposed clearing is dominated by Marri and is not typical wetland vegetation. It is likely that the mapped wetland boundary extends further than the actual wetland.

There are several Multiple Use Wetlands Mapped on the road reserves, UFI, 15831, 15837 and 14883.

## **8 Vegetation**

### **8.1 Vegetation Complex**

The native vegetation is part of the Southern River Vegetation Complex which is described as open woodland of *Corymbia calophylla* (Marri) - *Eucalyptus marginata* (Jarrah) - *Banksia* species with fringing woodland of *Eucalyptus rudis* (Flooded Gum) - *Melaleuca raphiophylla* (Swamp Paperbark) along creek beds (Heddle *et al.*, 1980).

### **8.2 Vegetation Types**

#### **8.2.1 Anstey/Ranford Road section**

An assessment of the vegetation in the proposed new intersection between Anstey and Ranford Roads was undertaken by PGV Environmental on 16 April 2020.

The assessment revealed that the location of the future intersection for Anstey and Ranford Roads has mostly been cleared but contains some native vegetation either side of existing Ranford Road.

The cleared areas include landscaped areas within the Ranford Road median strip and dense grassy weeds and non-native trees and shrubs in road verges and adjoining paddocks.



The vegetation in the Ranford Road verges is all weeds, predominantly Lovegrass (*Eragrostis curvula*) and Couch Grass (*Cynodon dactylon*) as well as some non-native River Red Gum trees (*Eucalyptus camaldulensis*) and a dense stand of False Bamboo (*Arundo donax*) (Plate 2).

The vegetation in the Ranford Road median strip is non-native Red Flowering Gum (*Corymbia ficifolia*) and other non-native shrubs used in landscaping.

**Plate 2: Ranford Road Verge (east side)**



The location of native vegetation which is required to be cleared is shown in Figure 1 (black cross-hatched areas).

The native vegetation is all wetland vegetation, consistent with the mapping of the area as wetland.

The vegetation to the west of the current Ranford Road is a mix of dense weedy areas and areas of native vegetation. Scattered Paperbark trees (*Melaleuca preissiana*) and one *Melaleuca viminea* shrub occur in this area over a dense cover of grassy weeds, mostly Lovegrass and Couch Grass (Plate 3).

**Plate 3: *Melaleuca preissiana* Paperbarks with dense Lovegrass weeds**



The weedy areas are mostly dense Lovegrass and Couch Grass with some Cotton Bush (*Gomphocarpus fruticosus*), Fleabane (*Conyza bonariensis*) and Arum Lily (*Zantedeschia aethiopica*). Sydney Wattle (*Acacia longifolia*) is a common tall shrub among the Paperbarks.

A stand of *Regelia ciliata* Low Shrubland with *Dielsia stenostachya* and *Lepidosperma longitudinale* Sedges occurs between some of the Paperbarks on the western side of Ranford Road (Plate 4). One *Hakea varia* shrub also occurs in this area. Lovegrass was prevalent in the *Regelia ciliata* Low Shrubland.

**Plate 4: *Regelia ciliata* Low Shrubland with *Dielsia stenostachya* Sedges**



The vegetation to the east of Ranford Road is also a mix of dense grassy weeds and some native vegetation. The weedy areas are predominantly Lovegrass, Fleabane and Stinkwort (*Dittrichia graveolens*) with one dense stand of Watsonia (*Watsonia bulbillifera*) (Plate 5). The native sedge *Lepidosperma longitudinale* is present in some of the weed-infested areas.

**Plate 5: Lovegrass, *Watsonia* and *Lepidosperma longitudinale* East of Ranford Road**



The native vegetation east of Ranford Road consists of *Regelia ciliata* Low Shrubland with *Dielsia stenostachya* and *Lepidosperma longitudinale* Sedges (Plate 6). Scattered *Xanthorrhoea preissii*, *Viminaria juncea* and *Kunzea glabrescens* shrubs occur in this area.

**Plate 6: *Regelia ciliata* Low Shrubland with *Dielsia stenostachya* Sedges East of Ranford Road**



#### **8.2.2 Allen, Keane and Armadale Road Sections**

The vegetation in the Allen, Keane Road and Armadale Upgrade areas is largely cleared verges or planted exotic or non-endemic species such as:

- *Eucalyptus grandis* (Rose Gum);
- *Eucalyptus camaldulensis* (River Red Gum);
- *Callistemon sp* (Bottlebrush);
- *Eucalyptus globulus* (Tasmanian Blue-gum);
- *Corymbia citriodora* (Lemon Scented Gum);
- *Agonis flexuosa* (WA Peppermint);
- *Casuarina cunninghamiana* (Sheoak);

There are several small pockets of native vegetation in the road reserve and on some sections of private land that will be impacted by the road upgrades (Figure 1).

Allen Road contains several patches of *Kunzea glabrescens* (Spearwood) and a small area of *Melaleuca preissiana* and *M. raphiophylla* (Paperbark) small trees over weeds. These areas of vegetation are in Completely Degraded condition as the understorey has been completely cleared and the Spearwood and Paperbarks occur over a cleared overstorey predominantly containing weeds such as Kikuyu Grass (Plate 7).



**Plate 7: *Melaleuca preissiana* south side of Allen Road**



The southern portion of the current Keane Road reserve that requires clearing has one Marri tree (*Corymbia calophylla*) and some Paperbarks. The Marri tree and Paperbarks occur over weeds (Plate 8). The new road reserve for Keane Road that will pass through Lot 10 will need to clear some young Marri trees at the northern end of Lot 10 (Plate 9).

**Plate 8: Marri and Paperbark in southern Keane Road reserve**



**Plate 9: Young Marri Trees at the northern end of Lot 10 (left side of photo only)**



The part of the Keane Road reserve north of the Allen Road intersection that requires clearing contains a line of native Spearwood (*Kunzea glabrescens*) on both sides of the road (Plate 10). The understorey is all weeds in the road reserve.

**Plate 10: Spearwood either side of Keane Road just north of Allen Road**



The native vegetation on Armadale Road consists of a short section at the western end near the Allen Road cul-de sac that contains some Paperbarks (*Melaleuca preissiana*, *M. raphiophylla*) and *Casuarina obesa* in the road reserve and *Melaleuca preissiana* in a small section of the adjoining private lot (Plate 11).

**Plate 11: Paperbarks in the Armadale Road reserve and adjoining lot**



### 8.3 Vegetation Condition

The condition of the areas of native vegetation to be cleared ranged from Completely Degraded for the areas that contained some native plants but were mostly weeds, up to Very Good for some parts of the *Regelia ciliata* Low Shrubland that contained fewer weed species. The condition rating scale is shown in Table 2.

**Table 2: Vegetation Condition Rating Scale.**

Condition	Description
Pristine	Pristine or nearly so, no obvious signs of disturbance.
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.
Very Good	Vegetation structure altered, obvious signs of disturbance. For example, 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 disturbance. Retains basic vegetation structure or ability to regenerate it. For example, disturbance to vegetation structure caused by very frequent fires, the presence of some very aggressive weeds at high density, 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. For example, disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.
Completely Degraded	The structure of the vegetation is no longer intact and the area is completely or almost completely without native species. These are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees or shrubs.

Source: Government of Western Australia, 2000.

## 8.4 Conservation Significance of Vegetation

The native vegetation is part of the Southern River Vegetation Complex. Approximately 18.4% of the original extent of the Southern River Complex remains and 1.6% is in DBCA managed land. The site is located in a 'constrained area'. The EPA's target is to retain at least 10% of each vegetation complex in constrained areas. The vegetation on the site is therefore not critical in meeting the EPA's target for vegetation retention at the regional level.

No Threatened Ecological Community (TEC) or Priority Ecological Community (PEC) is mapped on the site (DBCA database search). The site is within a 2km buffer of a Muchea Limestone TEC located to the north-east (Attachment 14). The vegetation and soil types on the site is not representative of the Muchea Limestone TEC. The vegetation type is not consistent with any of the FCTs that comprise the Clay Pans of the Swan Coastal Plain TEC. The areas of native vegetation in Degraded to Completely Degraded condition are too degraded to be considered a TEC or PEC.

The native vegetation in the area to be cleared was mapped in the flora and vegetation survey of the Forrestdale Business Park West Structure Plan (Cardno, 2010) as "CP – Paddocks with scattered natives, planted exotics and pasture grasses". While this describes the areas of the site in Completely Degraded condition the areas of Paperbark and *Regelia ciliata* Heath more accurately matches the Rc vegetation type in the Cardno (2020) report which is described as "Heath of *Regelia ciliata* with emergent *Kunzea glabrescens* and *Melaleuca preissiana*". Cardno determined, using statistical analysis, that the Rc vegetation type most closely represented FCT 11 – 'Wet Forests and Woodlands' which is not a TEC or PEC.

## 9 Flora

The flora survey of the Forrestdale Business Park West Structure Plan area did not record any Threatened (Declared Rare) or Priority Flora species in the Structure Plan area (Cardno, 2010).

No Threatened (Declared Rare) or Priority Flora species are mapped as occurring in the proposed areas to be cleared (Nature Map, April 2020).

No conservation significant species are expected to occur in the areas of Completely Degraded vegetation due to the density of grassy weeds. The small area of vegetation in Very Good condition in the area proposed to be cleared for the new Anstey/Ranford Road intersection is unlikely to have any Threatened or Priority Flora due to the small size of the area to be cleared.

## 10 Fauna

The fauna habitat values for the areas of native vegetation to be cleared are rated as Highly Degraded Fauna Habitat, which is defined as:

*These areas often have a significant loss of vegetation, an abundance of weeds, and a large number of vehicle tracks or are completely cleared. Limited or no fauna habitat connectivity. Faunal assemblages in these areas are likely to be significantly different to what might have been in the area pre-disturbance.*

The native Paperbark and low heath vegetation is highly unlikely to provide habitat for any conservation significant fauna species.

## 11 Ten Clearing Principles

The Ten Clearing Principles have been addressed below to determine the environmental impact that the removal of the native vegetation on the site would have.

*Principle (a): Vegetation should not be cleared if it comprises a high level of biological diversity.*

The vegetation on the site is mostly Completely Degraded with abundant grassy weeds. The native vegetation in the application area in Good or better condition consists of one vegetation type - scattered *Melaleuca preissiana* Paperbark over *Regelia ciliata* Heath. The diversity of vegetation types therefore is low. The number of native species in the application area has not been surveyed in detail, however observations by PGV Environmental indicate the number of native species is very low which is consistent with the *Regelia ciliata* vegetation type.

The vegetation is not representative of a TEC or a PEC and has not been mapped as such in the Department of Biodiversity, Conservation and Attractions (DBCA) database. The area is near the boundary of a 2000m buffer to a known occurrence of Muchea Limestone TEC, however the soils and vegetation are not consistent with the presence of this TEC.

The proposed clearing is not considered at variance to this principle.

*Principle (b): Vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.*

The fauna habitat is Highly Degraded Fauna Habitat and does not provide habitat for any Conservation Significant species. A search of the DBCA Naturemap Database (Attachment 15) indicates that there are 11 Threatened fauna species, 17 species protected under International Agreements and ten priority fauna species that have been recorded within a 5m radius of the site. The vegetation does not provide habitat for Black Cockatoos. There is no permanent water, so the proposed area of clearing does not provide habitat for and fauna reliant on permanent water sources, such as birds or Carter's Freshwater Mussel.

Two species of short-tongued native bees, *Leioproctus douglasiellus* and *Neopasiphae simplicior* were identified in the database search. These species are only currently known from the Anstey-Keane dampland and/or Forestdale Lake Nature Reserve, which are both close to the proposed area of clearing (DBCA, 2019). Similarly, a newly discovered native bee species, *Leioproctus muelleri*, is only known from the Anstey-Keane dampland (DBCA, 2019). The key flora species associated with these native bee habitats do not occur in the proposed area of clearing. Given this, the proposed clearing is not likely to significantly impact on native vegetation that comprises significant habitat for native bees.

Quenda are likely to occur in the dense areas of Lovegrass and *Regelia ciliata* Heath that are within the proposed area of clearing. To avoid impact on the species a trapping and relocation program should be undertaken prior to clearing.

The proposed clearing is not considered at variance to this principle, given that the impact on significant species can be mitigated by a trapping and relocation program for Quenda prior to clearing.



*Principle (c): Vegetation should not be cleared if it includes, or is necessary for the continued existence of rare flora.*

No Threatened or Priority plant species have been recorded on the site (Cardno, 2010; NatureMap, 2020). It is highly unlikely that rare flora is present on the site given the small area of native vegetation and mostly poor condition of the vegetation. Therefore, the proposed clearing is not considered at variance to this principle.

*Principle (d): Vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.*

The vegetation on the site is not representative of a Threatened Ecological Community. The proposed road upgrades are near existing roads and the vegetation has been degraded to the point that the proposed clearing would not impact on a TEC. The proposed area of clearing for the Anstey/Ranford Road intersection is within the 2000m buffer to a mapped TEC, however due to the distance from the TEC the clearing is not likely to impact on that occurrence. Therefore, the proposed clearing is not considered at variance to this principle.

*Principle (e): Vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.*

The site is not a significant remnant of vegetation. The proposed area of clearing is part of the Southern River Vegetation Complex. Approximately 18.4% of the original extent of the Southern River Complex remains and 1.6% is in DBCA managed land. The site is located in a 'constrained area'. The EPA's target is to retain at least 10% of each vegetation complex in constrained areas. The vegetation on the site is therefore not critical in meeting the EPA's target for vegetation retention at the regional level.

The proposed clearing is not considered at variance to this principle.

*Principle (f): Vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.*

The vegetation to be cleared for the Anstey/Ranford Road Intersection is located in a Resource Enhancement wetland and part of a Multiple Use wetland. The proposed upgrades will impact on the western tip of Resource Enhancement Dampland UFI 7525 with the new Keane Road, Armadale Road connection. The Resource Enhancement wetlands are large and fragmented and mostly contain weeds or native vegetation in poor condition.

The clearing is likely to be at variance to this principle.

*Principle (g): Vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.*

Clearing the vegetation on the site will not result in land degradation.

The area of clearing is largely mapped within the Pinjarra P8 Phase soil type, which is described as broad poorly drained flats and poorly defined stream channels with moderately deep to deep sands over mottled clays; acidic or less commonly alkaline grey and yellow duplex soils to uniform bleached or pale brown sands over clay.

#### Land Degradation Risk Category Pinjarra P8 Phase

Water Erosion	<3% of map unit has a high to extreme water erosion risk
Wind Erosion	10-30% of map unit has a high to extreme wind erosion risk
Waterlogging	>70% of map unit has a moderate to very high waterlogging risk
Flooding	<3% of the map unit has a moderate to high flood risk
Salinity risk	10-30% of map unit has a moderate to high salinity risk or is presently saline

Over 70 per cent of the mapped soil type has a high risk of waterlogging, therefore the proposed clearing area is likely to be inundated following significant rainfall events, which will be managed using stormwater controls associated with the construction of the road. The proposed clearing area is generally not susceptible to erosion, flooding or risk of salinity, therefore the proposed clearing is not likely to cause appreciable land degradation.

There is a small part of the area that is in the Pinjarra, B2 Phase (213Pj\_B2) on the intersection of Keane and Allen Roads which are well to moderately well drained flat to very gently undulating sandplain. Deep bleached grey sands with a pale yellow B horizon or a weak iron-organic hardpan 1-2m (DPIRD, 2020).

#### Land Degradation Risk Category Pinjarra B2 Phase

Water Erosion	<3% of map unit has a high to extreme water erosion risk
Wind Erosion	>70% of map unit has a high to extreme wind erosion risk
Waterlogging	>3-10% of map unit has a moderate to very high waterlogging risk
Flooding	<3% of the map unit has a moderate to high flood risk
Salinity risk	<3% of map unit has a moderate to high salinity risk or is presently saline

The B2 soil phase has >70% of the land unit susceptible to wind erosion and therefore dust controls will be required during construction. The proposed clearing area is generally not susceptible to flooding or risk of salinity. With appropriate management of dust and stormwater the proposed clearing is not likely to cause appreciable land degradation.

The proposed clearing is not considered at variance to this principle

*Principle (h): 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.*

The site is not connected to any reserves or Conservation Areas. The site is approximately 250m from Bush Forever Site 352 and is separated by cleared and commercial developed land, and partially Ranford Road. The potential for weeds or dieback transfer is negligible. The proposed clearing will not impact on the environmental values any reserves or Conservation Areas.

The proposed clearing is not considered at variance to this principle

*Principle (i): Vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.*

There are no watercourses that intersect the application area. Stormwater will be managed by controls associated with the road construction and it is unlikely the proposed clearing will cause the deterioration of surface water quality.

Groundwater salinity within the application area is mapped at 500 to 1,000 milligrams per litre, total dissolved solids. This level of groundwater salinity is classified as 'marginal'. Given this low salinity level, and that the groundwater is only 2m below the natural ground level (DWER, 2020), it is not likely the proposed clearing will lead to an increase in salinity levels within the vicinity of the proposed clearing area and deteriorate groundwater.

The proposed clearing is not considered at variance to this principle

*Principle (j): Vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence of flooding.*

The clearing of the vegetation will not increase the incidence of flooding, as although the area is poorly drained the risk of flooding is low and stormwater controls will be installed as part of the construction of the new intersections and upgraded roads.

The proposed clearing is not considered at variance to this principle

## 12 Conclusion

Assessment of the proposed clearing of 0.8937ha of native vegetation required for the realignment of the intersection for Anstey Road and Ranford Road and upgrade of Allen, Armadale and Keane Roads concludes that the clearing would not have a significant impact on the environment.

Please contact me if you would like any further information or if you would like some assistance on site during a site inspection.

Yours sincerely



Paul van der Moezel  
Managing Director

## Attachments

Clearing Permit Application Form (C2)

Figure 1: Clearing Plan

Attachment 1:	Letter of Authority: City of Armadale
Attachment 2 :	Lot 13 (301) Keane Road Letter of Authority
Attachment 3 :	Lot 1 Keane Road Letter of Authority
Attachment 4 :	Lot 10 (350) Keane Road Letter of Authority
Attachment 5 :	Lot 5 (56) Allen Road Letter of Authority
Attachment 6 :	Lot 800 (formerly Lot 22) Ranford Road Letter of Authority

# NatureMap Species Report

Created By Guest user on 24/04/2020

Current Names Only Yes  
Core Datasets Only Yes  
Method 'By Circle'  
Centre 115° 57' 33" E, 32° 07' 43" S  
Buffer 5km  
Group By Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	957	39827
Other specially protected fauna	1	28
Priority 1	2	3
Priority 2	3	3
Priority 3	17	76
Priority 4	13	188
Protected under international agreement	17	274
Rare or likely to become extinct	18	1441
<b>TOTAL</b>	<b>1028</b>	<b>41840</b>

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
<b>Rare or likely to become extinct</b>				
1.	38481 <i>Austrostipa jacobsoni</i>		T	
2.	24345 <i>Botaurus poeciloptilus</i> (Australasian Bittern)		T	
3.	1596 <i>Caladenia huegelii</i> (Grand Spider Orchid)		T	
4.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
5.	24731 <i>Calyptrorhynchus banksii</i> subsp. <i>naso</i> (Forest Red-tailed Black Cockatoo)		T	
6.	24733 <i>Calyptrorhynchus baudinii</i> (Baudin's Cockatoo, White-tailed Long-billed Black Cockatoo)		T	
7.	24734 <i>Calyptrorhynchus latirostris</i> (Carnaby's Cockatoo, White-tailed Short-billed Black Cockatoo)		T	
8.	48400 <i>Calyptrorhynchus</i> sp. (white-tailed black cockatoo)		T	
9.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		T	
10.	24092 <i>Dasyurus geoffroyi</i> (Chuditch, Western Quoll)		T	
11.	1637 <i>Diuris purdiei</i> (Purdie's Donkey Orchid)		T	
12.	1639 <i>Drakaea elastica</i> (Glossy-leaved Hammer Orchid)		T	
13.	13635 <i>Drakaea micrantha</i>		T	
14.	33983 <i>Leioproctus douglasiellus</i> (a short-tongued bee)		T	
15.	942 <i>Lepidosperma rostratum</i>		T	
16.	24146 <i>Myrmecobius fasciatus</i> (Numbat, Walpurti)		T	
17.	33984 <i>Neopasiphae simplicior</i> (a short-tongued bee)		T	
18.	34113 <i>Westralunio carteri</i> (Carter's Freshwater Mussel)		T	
<b>Protected under international agreement</b>				
19.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
20.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
21.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
22.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
23.	24786 <i>Calidris melanotos</i> (Pectoral Sandpiper)		IA	
24.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
25.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
26.	47954 <i>Gelochelidon nilotica</i> (Gull-billed Tern)		IA	
27.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
28.	48591 <i>Pandion cristatus</i> (Osprey, Eastern Osprey)		IA	
29.	24843 <i>Plegadis falcinellus</i> (Glossy Ibis)		IA	
30.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
31.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
32.	24516 <i>Stercorarius longicaudus</i> (long-tailed jaeger, long-tailed skua)		IA	
33.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
34.	24808 <i>Tringa nebularia</i> (Common Greenshank, greenshank)		IA	
35.	24809 <i>Tringa stagnatilis</i> (Marsh Sandpiper, little greenshank)		IA	
<b>Other specially protected fauna</b>				

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36.	25624	<i>Falco peregrinus</i> (Peregrine Falcon)		S	
<b>Priority 1</b>					
37.	13656	<i>Calytrix simplex</i> subsp. <i>simplex</i>		P1	
38.	11615	<i>Ptilotus sericostachyus</i> subsp. <i>roseus</i>		P1	
<b>Priority 2</b>					
39.	3237	<i>Acacia benthamii</i>		P2	
40.	19272	<i>Johnsonia pubescens</i> subsp. <i>cygnorum</i>		P2	
41.	19704	<i>Stenanthemum sublineare</i>		P2	
<b>Priority 3</b>					
42.	3373	<i>Acacia horridula</i>		P3	
43.	25242	<i>Acanthopis antarcticus</i> (Southern Death Adder)		P3	
44.	3178	<i>Byblis gigantea</i> (Rainbow Plant)		P3	
45.	41801	<i>Eryngium pinnatifidum</i> subsp. <i>Palustre</i> (G.J. Keighery 13459)		P3	
46.	48935	<i>Idiosoma sigillatum</i> (Swan Coastal Plain shield-backed trapdoor spider)		P3	
47.	20462	<i>Jacksonia gracillima</i>		P3	
48.	45081	<i>Lasiopetalum glutinosum</i> subsp. <i>glutinosum</i>		P3	
49.	33982	<i>Leioproctus contrarius</i> (a short-tongued bee)		P3	
50.	25147	<i>Lerista lineata</i> (Perth Slider, Lined Skink)		P3	
51.	33638	<i>Meionectes tenuifolia</i>		P3	
52.	25249	<i>Neelaps calonotos</i> (Black-striped Snake, black-striped burrowing snake)		P3	
53.	974	<i>Schoenus benthamii</i>		P3	
54.	980	<i>Schoenus capillifolius</i>		P3	
55.	1008	<i>Schoenus pennisetis</i>		P3	
56.	18564	<i>Stylidium aceratum</i>		P3	
57.	48297	<i>Styphelia filifolia</i>		P3	
58.	1317	<i>Thysanotus anceps</i>		P3	
<b>Priority 4</b>					
59.	141	<i>Aponogeton hexatepalus</i> (Stalked Water Ribbons)		P4	
60.	3115	<i>Drosera occidentalis</i> (Western Sundew)		P4	
61.	24215	<i>Hydromys chrysogaster</i> (Water-rat, Rakali)		P4	
62.	48588	<i>Isodon fusciventer</i> (Quenda, southwestern brown bandicoot)		P4	
63.	47975	<i>Ixobrychus dubius</i> (Australian Little Bittern)		P4	
64.	4027	<i>Jacksonia sericea</i> (Waldjumi)		P4	
65.	48022	<i>Notamacropus irma</i> (Western Brush Wallaby)		P4	
66.	36200	<i>Ornduffia submersa</i>		P4	
67.	24328	<i>Oxyura australis</i> (Blue-billed Duck)		P4	
68.	7756	<i>Stylidium longitubum</i> (Jumping Jacks)		P4	
69.	1334	<i>Thysanotus glaucus</i>		P4	
70.	44444	<i>Tripterococcus</i> sp. <i>Brachylobus</i> (A.S. George 14234)		P4	
71.	14714	<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>		P4	
<b>Non-conservation taxon</b>					
72.		? <i>Amocrinum preissii</i>			
73.		? <i>Desmocladus flexuosus</i>			Y
74.		? <i>Epilobium</i> sp.			
75.		? <i>Haemodorum spicatum</i>			
76.		? <i>Jacksonia furcellata</i>			Y
77.		? <i>Kennedia prostrata</i>			Y
78.		? <i>Kunzea glabrescens</i>			
79.		? <i>Lepidosperma squamatum</i>			Y
80.		? <i>Lepidosperma squamatum</i> s.l.			
81.		? <i>Lomandra sericea</i>			Y
82.		? <i>Microtis media</i>			Y
83.		? <i>Rytidosperma occidentalis</i>			
84.		? <i>Rytidosperma</i> sp.			Y
85.		? <i>Symphyotrichum squamatum</i>			Y
86.		? <i>Trachymene pilosa</i>			Y
87.		? <i>Vulpia</i> sp.			Y
88.		<i>Acacia</i> ? <i>longifolia</i>			Y
89.	15429	<i>Acacia alata</i> var. <i>alata</i>			
90.	3374	<i>Acacia huegelii</i>			
91.	3409	<i>Acacia lasiocarpa</i> (Panjang)			
92.	17861	<i>Acacia longifolia</i>	Y		
93.	3454	<i>Acacia nervosa</i> (Rib Wattle)			
94.	3502	<i>Acacia pulchella</i> (Prickly Moses)			
95.	15483	<i>Acacia pulchella</i> var. <i>pulchella</i>			
96.	3527	<i>Acacia saligna</i> (Orange Wattle, Kudjong)			
97.	3541	<i>Acacia sessilis</i>			
98.		<i>Acacia</i> sp.			

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99.	<i>Acacia</i> sp. <i>Fl3</i> seedling			Y
100.	3557 <i>Acacia stenoptera</i> (Narrow Winged Wattle)			
101.	3184 <i>Acaena echinata</i> (Sheep's Burr)			
102.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
103.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
104.	24262 <i>Acanthiza inornata</i> (Western Thornbill)			
105.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			
106.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
107.	24281 <i>Accipiter cirrocephalus</i> subsp. <i>cirrocephalus</i> (Collared Sparrowhawk)			
108.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
109.	24283 <i>Accipiter fasciatus</i> subsp. <i>didimus</i> (Brown Goshawk)			
110.	42368 <i>Acritoscincus trilineatus</i> (Western Three-lined Skink)			
111.	25755 <i>Acrocephalus australis</i> (Australian Reed Warbler)			
112.	24831 <i>Acrocephalus australis</i> subsp. <i>gouldi</i> (Australian Reed Warbler)			
113.	6203 <i>Actinotus glomeratus</i>			
114.	14970 <i>Adenanthos barbiger</i>			
115.	1775 <i>Adenanthos cygnorum</i> (Common Woollybush)			
116.	11837 <i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i> (Common Woollybush)			
117.	24301 <i>Aegotheles cristatus</i> subsp. <i>cristatus</i> (Australian Owlet-nightjar)			
118.	1261 <i>Agrostocrinum scabrum</i> (Blue Grass Lily)			
119.	184 <i>Aira caryophyllea</i> (Silvery Hairgrass)	Y		
120.	<i>Aira caryophyllea</i> /cupaniana group			
121.	187 <i>Aira praecox</i> (Early Hairgrass)	Y		
122.	<i>Akamptogonus novarae</i>			
123.	1728 <i>Allocasuarina fraseriana</i> (Sheoak, Kondil)			
124.	48620 <i>Althenia preissii</i>			
125.	38756 <i>Amanita umbrinella</i>			
126.	13380 <i>Amphibromus nervosus</i>			
127.	20184 <i>Amphipogon laguroides</i> subsp. <i>laguroides</i>			
128.	199 <i>Amphipogon strictus</i> (Greybeard Grass)			
129.	200 <i>Amphipogon turbinatus</i>			
130.	<i>Aname mainae</i>			
131.	<i>Aname tepperi</i>			
132.	1060 <i>Anarthria laevis</i>			
133.	24310 <i>Anas castanea</i> (Chestnut Teal)			
134.	24312 <i>Anas gracilis</i> (Grey Teal)			
135.	<i>Anas platyrhynchos</i> subsp. <i>domesticus</i>			
136.	24315 <i>Anas rhynchotis</i> (Australasian Shoveler)			
137.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
138.	6311 <i>Andersonia heterophylla</i>			
139.	6314 <i>Andersonia lehmanniana</i>			
140.	201 <i>Andropogon distachyos</i>	Y		
141.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
142.	1411 <i>Anigozanthos manglesii</i> (Mangles Kangaroo Paw, Kurulbrang)			
143.	11261 <i>Anigozanthos manglesii</i> subsp. <i>manglesii</i>			
144.	11566 <i>Anigozanthos viridis</i> subsp. <i>viridis</i>			
145.	44629 <i>Anilios australis</i>			
146.	<i>Anser anser</i>			
147.	24561 <i>Anthochaera carunculata</i> (Red Wattlebird)			
148.	24562 <i>Anthochaera lunulata</i> (Western Little Wattlebird)			
149.	12724 <i>Anthotium junciforme</i>			
150.	202 <i>Anthoxanthum odoratum</i> (Sweet Vernal Grass)	Y		
151.	1117 <i>Aphelia cyperoides</i>			
152.	1118 <i>Aphelia drummondii</i>			
153.	17845 <i>Apodasmia ceramophila</i>			
154.	24991 <i>Aprasia repens</i> (Sand-plain Worm-lizard)			
155.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
156.	7838 <i>Arctotheca calendula</i> (Cape Weed, African Marigold)	Y		
157.	44709 <i>Arcyria major</i>			Y
158.	24337 <i>Ardea garzetta</i> subsp. <i>nigripes</i> (Little Egret)			
159.	25558 <i>Ardea ibis</i> (Cattle Egret)			
160.	41324 <i>Ardea modesta</i> (great egret, white egret)			
161.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
162.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
163.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
164.	1264 <i>Arnocrinum preissii</i>			
165.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
166.	24352 <i>Artamus cinereus</i> subsp. <i>melanops</i> (Black-faced Woodswallow)			
167.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
168.	<i>Artamus sordidus</i>			

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169.	<i>Artoria flavimana</i>			
170.	<i>Artoria linnaei</i>			
171.	<i>Asadipus kunderang</i>			
172.	<i>Astartea aff. fascicularis sthcs</i>			
173.	20350 <i>Astartea affinis</i> (West-coast Astartea)			
174.	20283 <i>Astartea scoparia</i> (Common Astartea)			
175.	6323 <i>Astroloma ciliatum</i> (Candle Cranberry)			
176.	6339 <i>Astroloma xerophyllum</i>			
177.	2471 <i>Atriplex prostrata</i> (Hastate Orache)	Y		
178.	47713 <i>Austronomus australis</i> (White-striped Free-tailed Bat)			
179.	<i>Austrostipa ?compressa</i>			
180.	17234 <i>Austrostipa compressa</i>			
181.	17241 <i>Austrostipa hemipogon</i>			
182.	17253 <i>Austrostipa semibarbata</i>			
183.	17257 <i>Austrostipa variabilis</i>			
184.	231 <i>Avellinia michelii</i>	Y		
185.	233 <i>Avena barbata</i> (Bearded Oat)	Y		
186.	24318 <i>Aythya australis</i> (Hardhead)			
187.	42902 <i>Azolla rubra</i>			
188.	1800 <i>Banksia attenuata</i> (Slender Banksia, Piara)			
189.	32580 <i>Banksia dallanneyi</i> subsp. <i>dallanneyi</i> var. <i>dallanneyi</i>			
190.	32523 <i>Banksia fraseri</i> var. <i>fraseri</i>			
191.	1822 <i>Banksia ilicifolia</i> (Holly-leaved Banksia)			
192.	<i>Banksia ilicifolia/menziesii</i>			Y
193.	1834 <i>Banksia menziesii</i> (Firewood Banksia)			
194.	1852 <i>Banksia telmatiaea</i> (Swamp Fox Banksia)			
195.	<i>Barnardius zonarius</i>			
196.	741 <i>Baumea articulata</i> (Jointed Rush)			
197.	743 <i>Baumea juncea</i> (Bare Twigrush)			
198.	744 <i>Baumea laxa</i>			
199.	5385 <i>Beaufortia incana</i> (Grey-leaved Beaufortia)			
200.	5387 <i>Beaufortia macrostemon</i> (Darling Range Beaufortia)			
201.	5393 <i>Beaufortia squarrosa</i> (Sand Beaufortia, Sand Bottlebrush, Puno)			
202.	48868 <i>Bellardia viscosa</i>	Y		
203.	25788 <i>Billardiera fraseri</i> (Elegant Pronaya)			
204.	24319 <i>Biziura lobata</i> (Musk Duck)			
205.	1417 <i>Blancoa canescens</i> (Winter Bell)			
206.	4417 <i>Boronia dichotoma</i>			
207.	4420 <i>Boronia fastigiata</i> (Bushy Boronia)			
208.	11381 <i>Boronia ramosa</i> subsp. <i>anethifolia</i>			
209.	1273 <i>Borya sphaerocephala</i> (Pincushions)			
210.	3710 <i>Bossiaea eriocarpa</i> (Common Brown Pea)			
211.	3714 <i>Bossiaea ornata</i> (Broad Leaved Brown Pea)			
212.	6341 <i>Brachyloma preissii</i> (Globe Heath)			
213.	7878 <i>Brachyscome iberidifolia</i>			
214.	244 <i>Briza maxima</i> (Blowfly Grass)	Y		
215.	245 <i>Briza minor</i> (Shivery Grass)	Y		
216.	<i>Briza sp.</i>			
217.	250 <i>Bromus hordeaceus</i> (Soft Brome)	Y		
218.	1383 <i>Burchardia bairdiae</i>			
219.	12770 <i>Burchardia congesta</i>			
220.	1385 <i>Burchardia multiflora</i> (Dwarf Burchardia)			
221.	24359 <i>Burhinus grallarius</i> (Bush Stone-curlew)			
222.	25713 <i>Cacatua galerita</i> (Sulphur-crested Cockatoo)			
223.	25714 <i>Cacatua pastinator</i> (Western Long-billed Corella)			
224.	25715 <i>Cacatua roseicapilla</i> (Galah)			
225.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
226.	24729 <i>Cacatua tenuirostris</i> (Eastern Long-billed Corella)	Y		
227.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
228.	24427 <i>Cacomantis flabelliformis</i> subsp. <i>flabelliformis</i> (Fan-tailed Cuckoo)			
229.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
230.	1276 <i>Caesia micrantha</i> (Pale Grass Lily)			
231.	1277 <i>Caesia occidentalis</i>			
232.	<i>Caladenia ?flava</i>			
233.	15330 <i>Caladenia arenicola</i>			
234.	11136 <i>Caladenia denticulata</i>			
235.	1592 <i>Caladenia flava</i> (Cowslip Orchid)			
236.	15348 <i>Caladenia flava</i> subsp. <i>flava</i>			
237.	15354 <i>Caladenia hirta</i> subsp. <i>hirta</i>			
238.	15361 <i>Caladenia longicauda</i> subsp. <i>calcigena</i>			

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239.	15365	<i>Caladenia longicauda</i> subsp. <i>longicauda</i>			
240.	1605	<i>Caladenia marginata</i> (White Fairy Orchid)			
241.	15503	<i>Caladenia paludosa</i>			
242.		<i>Caladenia</i> sp.			
243.	15398	<i>Caladenia xantha</i>			
244.	16365	<i>Calandrinia</i> sp. Kenwick (G.J. Keighery 10905)			
245.	36600	<i>Callitris pyramidalis</i> (Swamp Cypress)			
246.	5411	<i>Calothamnus hirsutus</i>			
247.	5415	<i>Calothamnus lateralis</i>			
248.	25717	<i>Calyptorhynchus banksii</i> (Red-tailed Black-Cockatoo)			
249.	5458	<i>Calytrix flavescens</i> (Summer Starflower)			
250.	5460	<i>Calytrix fraseri</i> (Pink Summer Calytrix)			
251.	5461	<i>Calytrix glutinosa</i>			
252.	2795	<i>Carpobrotus edulis</i> (Hottentot Fig)	Y		
253.	1162	<i>Cartonema phillyroides</i>			
254.	2957	<i>Cassytha racemosa</i> (Dodder Laurel)			
255.	41563	<i>Cenchrus purpureus</i> (Elephant Grass)	Y		
256.	26587	<i>Centrocercus clavulatum</i>			
257.	1121	<i>Centrolepis aristata</i> (Pointed Centrolepis)			
258.	1125	<i>Centrolepis drummondiana</i>			
259.	1129	<i>Centrolepis glabra</i> (Smooth Centrolepis)			
260.	1132	<i>Centrolepis mutica</i>			
261.	1134	<i>Centrolepis polygyna</i> (Wiry Centrolepis)			
262.	24086	<i>Cercartetus concinnus</i> (Western Pygmy-possum, Mundarda)			
263.		<i>Cercophonius sulcatus</i>			
264.	17685	<i>Chaetanthus aristatus</i>			
265.	24186	<i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
266.	1280	<i>Chamaescilla corymbosa</i> (Blue Squill)			
267.	11299	<i>Chamaescilla corymbosa</i> var. <i>corymbosa</i>			
268.	24377	<i>Charadrius ruficapillus</i> (Red-capped Plover)			
269.	43380	<i>Chelodina colliei</i> (South-western Snake-necked Turtle)			
270.	24321	<i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
271.	33939	<i>Cherax cainii</i> (Marron)			
272.		<i>Cherax destructor</i>			
273.		<i>Cherax preissii</i>			
274.		<i>Cherax quinquecarinatus</i>			
275.		<i>Cherax</i> sp.			
276.	17706	<i>Chordifex sinuosus</i>			
277.	763	<i>Chorizandra enodis</i> (Black Bristlerush)			
278.	8971	<i>Chorizema cordatum</i>			
279.	3753	<i>Chorizema dicksonii</i> (Yellow-eyed Flame Pea)			
280.	24980	<i>Christinus marmoratus</i> (Marbled Gecko)			
281.		<i>Chroicocephalus novaehollandiae</i>			
282.	24431	<i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
283.	25601	<i>Chrysococcyx lucidus</i> (Shining Bronze Cuckoo)			
284.	24432	<i>Chrysococcyx lucidus</i> subsp. <i>plagosus</i> (Shining Bronze Cuckoo)			
285.	6543	<i>Cicendia filiformis</i> (Slender Cicendia)	Y		
286.	24288	<i>Circus approximans</i> (Swamp Harrier)			
287.	24289	<i>Circus assimilis</i> (Spotted Harrier)			
288.	24774	<i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
289.	2929	<i>Clematis pubescens</i> (Common Clematis)			
290.	38984	<i>Collaria arcyrionema</i>			
291.	25675	<i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
292.	24399	<i>Columba livia</i> (Domestic Pigeon)	Y		
293.	4551	<i>Comesperma ciliatum</i>			
294.	4554	<i>Comesperma flavum</i>			
295.		<i>Comesperma</i> sp. FL-3 (too young to be id)			Y
296.	1858	<i>Conospermum amoenum</i> (Blue Smokebush)			
297.	16857	<i>Conospermum amoenum</i> subsp. <i>amoenum</i>			
298.	15611	<i>Conospermum stoechadis</i> subsp. <i>stoechadis</i> (Common Smokebush)			
299.	6348	<i>Conostephium pendulum</i> (Pearl Flower)			
300.	1418	<i>Conostylis aculeata</i> (Prickly Conostylis)			
301.	11438	<i>Conostylis candicans</i> subsp. <i>candicans</i>			
302.	12035	<i>Conostylis caricina</i> subsp. <i>caricina</i>			
303.	11695	<i>Conostylis festuacea</i> subsp. <i>festuacea</i>			
304.	1436	<i>Conostylis juncea</i>			
305.	11597	<i>Conostylis setigera</i> subsp. <i>setigera</i>			
306.	1455	<i>Conostylis setosa</i> (White Cottonhead)			
307.	7939	<i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
308.	7941	<i>Conyza parva</i>	Y		



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309.	20074 <i>Conyza sumatrensis</i>	Y		
310.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
311.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
312.	<i>Cormocephalus aurantipes</i>			
313.	38776 <i>Cortinarius phalarus</i>			
314.	24416 <i>Corvus bennetti</i> (Little Crow)			
315.	25592 <i>Corvus coronoides</i> (Australian Raven)			
316.	24417 <i>Corvus coronoides</i> subsp. <i>perplexus</i> (Australian Raven)			
317.	17104 <i>Corymbia calophylla</i> (Marri)			
318.	1285 <i>Corynothea micrantha</i> (Sand Lily)			
319.	7943 <i>Cotula australis</i> (Common Cotula)			
320.	7945 <i>Cotula coronopifolia</i> (Waterbuttons)	Y		
321.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
322.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
323.	24673 <i>Coturnix ypsilophora</i> subsp. <i>australis</i> (Brown Quail)			
324.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
325.	24423 <i>Cracticus tibicen</i> subsp. <i>tibicen</i> (Black-backed Magpie)			
326.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
327.	24424 <i>Cracticus torquatus</i> subsp. <i>torquatus</i> (Grey Butcherbird)			
328.	17701 <i>Crassula closiana</i>			
329.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
330.	15706 <i>Crassula natans</i> var. <i>minus</i>	Y		
331.	39002 <i>Cribraria microcarpa</i>			
332.	39003 <i>Cribraria minutissima</i>			
333.	25398 <i>Crinia georgiana</i> (Quacking Frog)			
334.	25400 <i>Crinia insignifera</i> (Squelching Froglet)			
335.	13470 <i>Cryptandra arbutiflora</i> var. <i>arbutiflora</i>			
336.	30893 <i>Cryptoblepharus buchananii</i>			
337.	25020 <i>Cryptoblepharus plagiocephalus</i>			
338.	30899 <i>Ctenophorus adelaidensis</i> (Southern Heath Dragon, Western Heath Dragon)			
339.	25027 <i>Ctenotus australis</i>			
340.	25039 <i>Ctenotus fallens</i>			
341.	15114 <i>Cyanicula gemmata</i>			
342.	768 <i>Cyathochaeta avenacea</i>			
343.	40661 <i>Cycnogeton lineare</i>			
344.	24322 <i>Cygnus atratus</i> (Black Swan)			
345.	24323 <i>Cygnus olor</i> (Mute Swan)	Y		
346.	783 <i>Cyperus congestus</i> (Dense Flat-sedge)	Y		
347.	815 <i>Cyperus tenellus</i> (Tiny Flatsedge)	Y		
348.	10916 <i>Cyrtostylis huegelii</i>			
349.	17692 <i>Cytogonidium leptocarpoides</i>			
350.	30901 <i>Dacelo novaeguineae</i> (Laughing Kookaburra)	Y		
351.	7420 <i>Dampiera alata</i> (Winged-stem Dampiera)			
352.	7451 <i>Dampiera lavandulacea</i>			
353.	7454 <i>Dampiera linearis</i> (Common Dampiera)			
354.	7484 <i>Dampiera trigona</i> (Angled-stem Dampiera)			
355.	25673 <i>Daphoenositta chrysoptera</i> (Varied Sittella)			
356.	1218 <i>Dasypogon bromeliifolius</i> (Pineapple Bush)			
357.	19747 <i>Daviesia decurrens</i> subsp. <i>decurrens</i>			
358.	18560 <i>Daviesia divaricata</i> subsp. <i>divaricata</i>			
359.	3832 <i>Daviesia physodes</i>			
360.	3845 <i>Daviesia triflora</i>			
361.	25766 <i>Delma fraseri</i> (Fraser's Legless Lizard)			
362.	24999 <i>Delma grayii</i>			
363.	25296 <i>Demansia psammophis</i> subsp. <i>reticulata</i> (Yellow-faced Whipsnake)			
364.	15831 <i>Desmocladius castaneus</i>			
365.	16595 <i>Desmocladius flexuosus</i>			
366.	1259 <i>Dianella revoluta</i> (Blueberry Lily)			
367.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
368.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
369.	306 <i>Dichelachne crinita</i> (Longhair Plumegrass)			
370.	1287 <i>Dichopogon capillipes</i>			
371.	17838 <i>Dielsia stenostachya</i>			
372.	<i>Dingosa serrata</i>			
373.	19649 <i>Disa bracteata</i>	Y		
374.	11049 <i>Diuris corymbosa</i>			
375.	<i>Diuris corymbosa/magnifica</i>			
376.	42231 <i>Diuris decremenda</i>			
377.	1634 <i>Diuris laxiflora</i> (Bee Orchid)			
378.	12939 <i>Diuris magnifica</i>			

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
379.	1638 <i>Diuris setacea</i> (Bristly Donkey Orchid)			
380.	<i>Drosera ?paleacea</i>			Y
381.	<i>Drosera ?porrecta</i>			
382.	48751 <i>Drosera drummondii</i>			
383.	3095 <i>Drosera erythrorhiza</i> (Red Ink Sundew)			
384.	3097 <i>Drosera gigantea</i> (Giant Sundew)			
385.	3101 <i>Drosera heterophylla</i> (Swamp Rainbow)			
386.	3106 <i>Drosera macrantha</i> (Bridal Rainbow)			
387.	3109 <i>Drosera menziesii</i> (Pink Rainbow)			
388.	3113 <i>Drosera neesii</i> (Jewel Rainbow)			
389.	3114 <i>Drosera nitidula</i> (Shining Sundew)			
390.	3118 <i>Drosera pallida</i> (Pale Rainbow)			
391.	29178 <i>Drosera porrecta</i>			
392.	3124 <i>Drosera pulchella</i> (Pretty Sundew)			
393.	8911 <i>Drosera rosulata</i>			
394.	<i>Drosera</i> sp. "climbing"			
395.	3131 <i>Drosera stolonifera</i> (Leafy Sundew)			
396.	3135 <i>Drosera zonaria</i> (Painted Sundew)			
397.	2501 <i>Dysphania glomulifera</i>			
398.	11368 <i>Dysphania glomulifera</i> subsp. <i>glomulifera</i>			
399.	39029 <i>Echinostelium minutum</i>			
400.	25251 <i>Echiopsis curta</i> (Bardick)			
401.	25096 <i>Egernia kingii</i> (King's Skink)			
402.	25100 <i>Egernia napoleonis</i>			
403.	<i>Egretta garzetta</i>			
404.	<i>Egretta novaehollandiae</i>			
405.	347 <i>Ehrharta calycina</i> (Perennial Veldt Grass)	Y		
406.	349 <i>Ehrharta longiflora</i> (Annual Veldt Grass)	Y		
407.	<i>Elanus axillaris</i>			
408.	25540 <i>Elanus caeruleus</i> (Black-shouldered Kite)			
409.	24290 <i>Elanus caeruleus</i> subsp. <i>axillaris</i> (Australian Black-shouldered Kite)			
410.	25250 <i>Elapognathus coronatus</i> (Crowned Snake)			
411.	822 <i>Eleocharis acuta</i> (Common Spikerush)			
412.	47937 <i>Eileynia melanops</i> (Black-fronted Dotterel)			
413.	1643 <i>Elythranthera brunonis</i> (Purple Enamel Orchid)			
414.	39030 <i>Enerthenema papillatum</i>			
415.	<i>Eolophus roseicapillus</i>			
416.	24652 <i>Eopsaltria georgiana</i> (White-breasted Robin)			
417.	1645 <i>Epiblema grandiflorum</i> (Babe-in-a-cradle)			
418.	6131 <i>Epilobium billardiaceanum</i> (Glabrous Willow Herb)			
419.	24567 <i>Ephianura albifrons</i> (White-fronted Chat)			
420.	376 <i>Eragrostis curvula</i> (African Lovegrass)	Y		
421.	379 <i>Eragrostis elongata</i> (Clustered Lovegrass)			
422.	13949 <i>Eremaea asterocarpa</i>			
423.	13950 <i>Eremaea asterocarpa</i> subsp. <i>asterocarpa</i>			
424.	14097 <i>Eremaea asterocarpa</i> subsp. <i>brachyclada</i>			
425.	5541 <i>Eremaea pauciflora</i>			
426.	14104 <i>Eremaea pauciflora</i> var. <i>pauciflora</i>			
427.	18301 <i>Eriobotrya japonica</i>	Y		
428.	1646 <i>Eriochilus dilatatus</i> (White Bunny Orchid)			
429.	15410 <i>Eriochilus dilatatus</i> subsp. <i>dilatatus</i>			
430.	15414 <i>Eriochilus helonomos</i>			
431.	15415 <i>Eriochilus scaber</i> subsp. <i>scaber</i>			
432.	6219 <i>Eryngium pinnatifidum</i> (Blue Devils)			
433.	24379 <i>Erythronys cinctus</i> (Red-kneed Dotterel)			
434.	5615 <i>Eucalyptus decipiens</i> (Limestone Marlock, Moit)			
435.	5690 <i>Eucalyptus lane-poollei</i> (Salmon White Gum)			
436.	5763 <i>Eucalyptus rudis</i> (Flooded Gum, Kulurda)			
437.	<i>Eucalyptus</i> sp.			
438.	5790 <i>Eucalyptus todiana</i> (Coastal Blackbutt)			
439.	3872 <i>Euchilopsis linearis</i> (Swamp Pea)			
440.	15137 <i>Euchiton sphaericus</i>			
441.	4648 <i>Euphorbia terracina</i> (Geraldton Carnation Weed)	Y		
442.	24368 <i>Eurostopodus argus</i> (Spotted Nightjar)			
443.	3880 <i>Eutaxia virgata</i>			
444.	835 <i>Evandra pauciflora</i>			
445.	25621 <i>Falco berigora</i> (Brown Falcon)			
446.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
447.	24472 <i>Falco cenchroides</i> subsp. <i>cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
448.	25623 <i>Falco longipennis</i> (Australian Hobby)			

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449.	24474	<i>Falco longipennis</i> subsp. <i>longipennis</i> (Australian Hobby)			
450.	24041	<i>Felis catus</i> (Cat)	Y		
451.	1515	<i>Ferraria crispa</i> (Black Flag)	Y		
452.	894	<i>Fimbristylis velata</i>			
453.	25727	<i>Fulica atra</i> (Eurasian Coot)			
454.	24761	<i>Fulica atra</i> subsp. <i>australis</i> (Eurasian Coot)			
455.	907	<i>Gahnia trifida</i> (Coast Saw-sedge)			
456.	7323	<i>Galium murale</i> (Small Goosegrass)	Y		
457.	25729	<i>Gallinula tenebrosa</i> (Dusky Moorhen)			
458.	24763	<i>Gallinula tenebrosa</i> subsp. <i>tenebrosa</i> (Dusky Moorhen)			
459.	25730	<i>Gallirallus philippensis</i> (Buff-banded Rail)			
460.		<i>Gallus gallus</i>			
461.	3887	<i>Gastrolobium acutum</i>			
462.	20484	<i>Gastrolobium alternifolium</i>			
463.	20475	<i>Gastrolobium capitatum</i>			
464.	20473	<i>Gastrolobium ebracteolatum</i>			
465.	3924	<i>Gastrolobium spinosum</i> (Prickly Poison)			
466.	25530	<i>Gerygone fusca</i> (Western Gerygone)			
467.	1520	<i>Gladiolus caryophyllaceus</i> (Wild Gladiolus)	Y		
468.	1524	<i>Gladiolus undulatus</i> (Wild Gladiolus)	Y		
469.	17043	<i>Glyceria declinata</i>	Y		
470.	47962	<i>Glyciphila melanops</i> (Tawny-crowned Honeyeater)			
471.	12624	<i>Gnephosis angianthoides</i>			
472.	3948	<i>Gompholobium capitatum</i>			
473.	3950	<i>Gompholobium knightianum</i>			
474.	3951	<i>Gompholobium marginatum</i>			
475.	3954	<i>Gompholobium polymorphum</i>			
476.	3956	<i>Gompholobium shuttleworthii</i>			
477.	3957	<i>Gompholobium tomentosum</i> (Hairy Yellow Pea)			
478.	6149	<i>Gonocarpus cordiger</i>			
479.	6160	<i>Gonocarpus paniculatus</i>			
480.	6161	<i>Gonocarpus pithyoides</i>			
481.	12551	<i>Goodenia micrantha</i>			
482.	7538	<i>Goodenia pulchella</i>			
483.	19286	<i>Goodenia pulchella</i> subsp. <i>Coastal Plain A</i> (M. Hislop 634)			
484.	24443	<i>Grallina cyanoleuca</i> (Magpie-lark)			
485.	37500	<i>Grammatotheca bergiana</i> var. <i>bergiana</i>	Y		
486.	19628	<i>Grevillea bipinnatifida</i> subsp. <i>bipinnatifida</i>			
487.	13429	<i>Grevillea diversifolia</i> subsp. <i>diversifolia</i>			
488.	1997	<i>Grevillea endlicheriana</i> (Spindly Grevillea)			
489.		<i>Grevillea robusta</i>			Y
490.	14421	<i>Grevillea synapheae</i> subsp. <i>synapheae</i>			
491.	2122	<i>Grevillea wilsonii</i> (Native Fuchsia)			
492.	1468	<i>Haemodorum laxum</i>			
493.	1470	<i>Haemodorum paniculatum</i> (Mardja)			
494.	1472	<i>Haemodorum simplex</i>			
495.	1475	<i>Haemodorum spicatum</i> (Mardja)			
496.	2158	<i>Hakea erinacea</i> (Hedge-hog Hakea)			
497.	2175	<i>Hakea lissocarpa</i> (Honey Bush)			
498.	2179	<i>Hakea marginata</i>			
499.	45333	<i>Hakea neospathulata</i>			
500.	2197	<i>Hakea prostrata</i> (Harsh Hakea)			
501.	2203	<i>Hakea ruscifolia</i> (Candle Hakea)			
502.	2206	<i>Hakea stenocarpa</i> (Narrow-fruited Hakea)			
503.	2212	<i>Hakea sulcata</i> (Furrowed Hakea)			
504.	2214	<i>Hakea trifurcata</i> (Two-leaf Hakea)			
505.	2216	<i>Hakea varia</i> (Variable-leaved Hakea)			
506.	24293	<i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)			
507.	24295	<i>Haliastur sphenurus</i> (Whistling Kite)			
508.	25410	<i>Heleioporus eyrei</i> (Moaning Frog)			
509.		<i>Hemiandra</i> ?sp. <i>Jurien</i>			Y
510.	6839	<i>Hemiandra pungens</i> (Snakebush)			
511.	38320	<i>Hemiandra</i> sp. <i>Jurien</i> (B.J. Conn & M.E. Tozer BJC 3885)			
512.	25119	<i>Hemiergis quadrilineata</i>			
513.	6856	<i>Hemigenia incana</i> (Silky Hemigenia)			
514.		<i>Henicops dentatus</i>			
515.	1293	<i>Hensmania turbinata</i>			
516.	5108	<i>Hibbertia acerosa</i> (Needle Leaved Guinea Flower)			
517.	5114	<i>Hibbertia commutata</i>			
518.	19778	<i>Hibbertia glomerata</i> subsp. <i>darlingensis</i>			

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519.	<i>Hibbertia huegelii</i> complex			
520.	45534 <i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>			
521.	5150 <i>Hibbertia nymphaea</i>			
522.	5162 <i>Hibbertia racemosa</i> (Stalked Guinea Flower)			
523.	48381 <i>Hibbertia striata</i>			
524.	5173 <i>Hibbertia subvaginata</i>			
525.	5176 <i>Hibbertia vaginata</i>			
526.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
527.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
528.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
529.	444 <i>Holcus lanatus</i> (Yorkshire Fog)	Y		
530.	445 <i>Holcus setiger</i> (Annual Fog)	Y		
531.	6222 <i>Homalosciadium homalocarpum</i>			
532.	3964 <i>Hovea chorizemifolia</i> (Holly-leaved Hovea)			
533.	3968 <i>Hovea trisperma</i> (Common Hovea)			
534.	12859 <i>Hovea trisperma</i> var. <i>trisperma</i>			
535.	12741 <i>Hyalosperma cotula</i>			
536.	6223 <i>Hydrocotyle alata</i>			
537.	6226 <i>Hydrocotyle callicarpa</i> (Small Pennywort)			
538.	452 <i>Hyparrhenia hirta</i> (Tambookie Grass)	Y		
539.	5817 <i>Hypocalymma angustifolium</i> (White Myrtle, Kudjid)			
540.	5825 <i>Hypocalymma robustum</i> (Swan River Myrtle)			
541.	8086 <i>Hypochaeris glabra</i> (Smooth Catsear)	Y		
542.	1070 <i>Hypolaena exsulca</i>			
543.	17841 <i>Hypolaena pubescens</i>			
544.	<i>Idiomma blackwalli</i>			
545.	910 <i>Isolepis cernua</i> (Nodding Club-rush)			
546.	917 <i>Isolepis marginata</i> (Coarse Club-rush)			
547.	919 <i>Isolepis oldfieldiana</i>			
548.	10831 <i>Isolepis prolifera</i> (Budding Club-rush)	Y		
549.	924 <i>Isolepis stellata</i> (Star Club-rush)			
550.	<i>Isometroides vescus</i>			
551.	<i>Isopeda leishmanni</i>			
552.	2237 <i>Isopogon sphaerocephalus</i> (Drumstick Isopogon)			
553.	7396 <i>Isotoma hypocrateriformis</i> (Woodbridge Poison)			
554.	1532 <i>Ixia maculata</i> (Yellow Ixia)	Y		
555.	4012 <i>Jacksonia furcellata</i> (Grey Stinkwood)			
556.	4029 <i>Jacksonia sternbergiana</i> (Stinkwood, Kapur)			
557.	1177 <i>Juncus articulatus</i> (Jointed Rush)	Y		
558.	1178 <i>Juncus bufonius</i> (Toad Rush)	Y		
559.	1180 <i>Juncus capitatus</i> (Capitate Rush)	Y		
560.	1188 <i>Juncus pallidus</i> (Pale Rush)			
561.	4037 <i>Kennedia coccinea</i> (Coral Vine)			
562.	37940 <i>Kennedia coccinea</i> subsp. <i>coccinea</i>			
563.	4044 <i>Kennedia prostrata</i> (Scarlet Runner)			
564.	7068 <i>Kickxia spuria</i> (Roundleaf Toadflax)	Y		
565.	5832 <i>Kunzea ericifolia</i> (Spearwood, Pondil)			
566.	15498 <i>Kunzea glabrescens</i> (Spearwood)			
567.	5835 <i>Kunzea micrantha</i>			
568.	5841 <i>Kunzea recurva</i>			
569.	11289 <i>Labichea lanceolata</i> subsp. <i>lanceolata</i>			
570.	3669 <i>Labichea punctata</i> (Lance-leaved Cassia)			
571.	19954 <i>Lachnagrostis aemula</i>			
572.	20019 <i>Lachnagrostis filiformis</i>			
573.	19955 <i>Lachnagrostis plebeia</i>			
574.	8095 <i>Lactuca saligna</i> (Wild Lettuce, Willow-leaf Lettuce)	Y		
575.	8096 <i>Lactuca serriola</i> (Prickly Lettuce)	Y		
576.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
577.	24511 <i>Larus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Silver Gull)			
578.	45082 <i>Lasiopetalum glutinosum</i> subsp. <i>latifolium</i>			
579.	4052 <i>Latrobea tenella</i>			
580.	<i>Latrodectus hasseltii</i>			
581.	11911 <i>Laxmannia ramosa</i> subsp. <i>ramosa</i>			
582.	11464 <i>Laxmannia sessiliflora</i> subsp. <i>australis</i>			
583.	1309 <i>Laxmannia squarrosa</i>			
584.	7568 <i>Lechenaultia biloba</i> (Blue Leschenaultia)			
585.	7572 <i>Lechenaultia expansa</i>			
586.	7574 <i>Lechenaultia floribunda</i> (Free-flowering Leschenaultia)			
587.	8099 <i>Leontodon saxatilis</i> (Hairy Hawkbit)	Y		
588.	925 <i>Lepidosperma angustatum</i>			

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589.	937 <i>Lepidosperma longitudinale</i> (Pithy Sword-sedge)			
590.	940 <i>Lepidosperma pubisquamum</i>			
591.	944 <i>Lepidosperma scabrum</i>			
592.	<i>Lepidosperma</i> sp.			
593.	<i>Lepidosperma</i> sp. Brixton Street			Y
594.	<i>Lepidosperma</i> sp. Brixton Street broad inflorescence			
595.	<i>Lepidosperma</i> sp. Darling Scarp			
596.	945 <i>Lepidosperma squamatum</i>			
597.	<i>Lepidosperma squamatum</i> s.l.			
598.	1653 <i>Leporella fimbriata</i> (Hare Orchid)			
599.	1077 <i>Leptocarpus canus</i> (Hoary Twine-rush)			
600.	1078 <i>Leptocarpus coangustatus</i>			
601.	46375 <i>Leptocarpus decipiens</i>			
602.	19833 <i>Leptocarpus laxus</i>			
603.	46382 <i>Leptocarpus royci</i>			
604.	15418 <i>Leptoceras menziesii</i>			
605.	2342 <i>Leptomeria cunninghamii</i>			
606.	5850 <i>Leptospermum laevigatum</i> (Coast Teatree)	Y		
607.	25133 <i>Lerista elegans</i>			
608.	6367 <i>Leucopogon capitellatus</i>			
609.	6374 <i>Leucopogon conostephioides</i>			
610.	6416 <i>Leucopogon nutans</i> (Drooping Leucopogon)			
611.	6425 <i>Leucopogon oxycedrus</i>			
612.	6434 <i>Leucopogon polymorphus</i>			
613.	6439 <i>Leucopogon pulchellus</i> (Beard-heath)			
614.	6444 <i>Leucopogon sprengelioides</i>			
615.	40803 <i>Leucopogon squarrosus</i> subsp. <i>squarrosus</i>			
616.	6447 <i>Leucopogon strictus</i>			
617.	6451 <i>Leucopogon tenuis</i>			
618.	6454 <i>Leucopogon verticillatus</i> (Tassel Flower)			
619.	7677 <i>Levenhookia stipitata</i> (Common Stylewort)			
620.	25005 <i>Lialis burtonis</i>			
621.	39041 <i>Licea kleistobolus</i>			
622.	31280 <i>Lichenomphalia chromacea</i>			
623.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
624.	25415 <i>Limnodynastes dorsalis</i> (Western Banjo Frog)			
625.	36160 <i>Liparophyllum capitatum</i>			
626.	36179 <i>Liparophyllum violifolium</i>			
627.	25378 <i>Litoria adelaidensis</i> (Slender Tree Frog)			
628.	25388 <i>Litoria moorei</i> (Motorbike Frog)			
629.	7406 <i>Lobelia rhombifolia</i> (Tufted Lobelia)			
630.	7408 <i>Lobelia tenuior</i> (Slender Lobelia)			
631.	478 <i>Lolium rigidum</i> (Wimmera Ryegrass)	Y		
632.	<i>Lolium</i> sp.			
633.	<i>Lomandra</i> ?caespitosa			
634.	1223 <i>Lomandra caespitosa</i> (Tufted Mat Rush)			
635.	1228 <i>Lomandra hermaphrodita</i>			
636.	1232 <i>Lomandra micrantha</i> (Small-flower Mat-rush)			
637.	1234 <i>Lomandra nigricans</i>			
638.	1239 <i>Lomandra preissii</i>			
639.	1243 <i>Lomandra sericea</i> (Silky Mat Rush)			
640.	<i>Lomandra</i> sp.			
641.	1246 <i>Lomandra suaveolens</i>			
642.	25683 <i>Lonchura castaneothorax</i> (Chestnut-breasted Mannikin)			
643.	<i>Lophocistia isura</i>			
644.	4059 <i>Lotus angustissimus</i> (Narrowleaf Trefoil)	Y		
645.	8564 <i>Lotus subbiflorus</i>	Y		
646.	<i>Lycosa ariadnae</i>			
647.	1097 <i>Lyginia barbata</i>			
648.	<i>Lyginia barbata/imberbis</i>			
649.	18049 <i>Lyginia imberbis</i>			
650.	1656 <i>Lyperanthus serratus</i> (Rattle Beak Orchid)			
651.	36375 <i>Lysimachia arvensis</i> (Pimpernel)	Y		
652.	34736 <i>Lysinema pentapetalum</i>			
653.	2838 <i>Macarthuria apetalata</i>			
654.	2839 <i>Macarthuria australis</i>			
655.	24132 <i>Macropus fuliginosus</i> (Western Grey Kangaroo)			
656.	18119 <i>Macrozamia fraseri</i>			
657.	85 <i>Macrozamia riedlei</i> (Zamia, Djiridji)			
658.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
659.	25650 <i>Malurus elegans</i> (Red-winged Fairy-wren)			
660.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
661.	25654 <i>Malurus splendens</i> (Splendid Fairy-wren)			
662.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
663.	<i>Marchantia berteriana</i>			
664.	17637 <i>Marianthus candidus</i> (White Marianthus)			
665.	<i>Marsupiolopus antechinus</i>			
666.	4072 <i>Medicago arabica</i> (Spotted Medic)	Y		
667.	25758 <i>Megalurus gramineus</i> (Little Grassbird)			
668.	37580 <i>Melaleuca acutifolia</i>			
669.	5900 <i>Melaleuca cuticularis</i> (Saltwater Paperbark)			
670.	5921 <i>Melaleuca incana</i> (Grey Honey-myrtle)			
671.	13273 <i>Melaleuca incana</i> subsp. <i>incana</i>			
672.	5925 <i>Melaleuca lateriflora</i> (Gorada)			
673.	5926 <i>Melaleuca lateritia</i> (Robin Redbreast Bush)			
674.	20297 <i>Melaleuca osullivanii</i>			
675.	18394 <i>Melaleuca parviceps</i>			
676.	5952 <i>Melaleuca preissiana</i> (Moonah)			
677.	5958 <i>Melaleuca radula</i> (Graceful Honey-myrtle)			
678.	5959 <i>Melaleuca raphiophylla</i> (Swamp Paperbark)			
679.	5964 <i>Melaleuca seriata</i>			
680.	5978 <i>Melaleuca teretifolia</i> (Banbar)			
681.	5980 <i>Melaleuca thymoides</i>			
682.	5984 <i>Melaleuca uncinata</i> (Broom Bush, Kwidjard)			
683.	5987 <i>Melaleuca viminea</i> (Mohan)			
684.	24587 <i>Melithreptus chloropsis</i> (Western White-naped Honeyeater)			
685.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
686.	25184 <i>Menetia greyii</i>			
687.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			
688.	953 <i>Mesomelaena graciliceps</i>			
689.	<i>Microcarbo melanoleucos</i>			
690.	485 <i>Microlaena stipoides</i> (Weeping Grass)			
691.	1657 <i>Microtis alba</i> (White Mignonette Orchid)			
692.	1658 <i>Microtis atrata</i> (Swamp Mignonette Orchid)			
693.	10954 <i>Microtis media</i> (Tall Mignonette Orchid)			
694.	15419 <i>Microtis media</i> subsp. <i>media</i>			
695.	8106 <i>Millotia tenuifolia</i> (Soft Millotia)			
696.	25542 <i>Milvus migrans</i> (Black Kite)			
697.	16693 <i>Minuartia mediterranea</i>	Y		
698.	4097 <i>Mirbelia ramulosa</i>			
699.	4100 <i>Mirbelia spinosa</i>			
700.	<i>Missulena granulosa</i>			
701.	7410 <i>Monopsis debilis</i>	Y		
702.	37440 <i>Monopsis debilis</i> var. <i>depressa</i>	Y		
703.	19585 <i>Monotaxis grandiflora</i> var. <i>grandiflora</i>			
704.	19179 <i>Moraea flaccida</i> (One-leaf Cape Tulip)	Y		
705.	25240 <i>Morelia spilota</i> subsp. <i>imbricata</i> (Carpet Python)			
706.	25191 <i>Morethia lineocellata</i>			
707.	25192 <i>Morethia obscura</i>			
708.	24223 <i>Mus musculus</i> (House Mouse)	Y		
709.	25610 <i>Myiagra inquieta</i> (Restless Flycatcher)			
710.	8117 <i>Myriocephalus helichrysoides</i>			
711.	6189 <i>Myriophyllum crispatum</i>			
712.	24738 <i>Neophema elegans</i> (Elegant Parrot)			
713.	492 <i>Neurachne alopecuroides</i> (Foxtail Mulga Grass)			
714.	<i>Nidula emodensis</i>			
715.	25252 <i>Notechis scutatus</i> (Tiger Snake)			
716.	2401 <i>Nuytsia floribunda</i> (Christmas Tree, Mudja)			
717.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
718.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
719.	41424 <i>Nyctophilus major</i> (Greater Long-eared Bat)			
720.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
721.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
722.	6140 <i>Oenothera mollissima</i>	Y		
723.	8143 <i>Olearia paucidentata</i> (Autumn Scrub Daisy)			
724.	<i>Ommatolulus moreleti</i>			
725.	<i>Ommatolulus moreletii</i>			
726.	7348 <i>Opercularia hispidula</i> (Hispid Stinkweed)			
727.	17 <i>Ophioglossum lusitanicum</i> (Adders Tongue)			
728.	<i>Orchidaceae</i> sp.			Y

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729.	4115	<i>Ornithopus sativus</i> (French Serradella)	Y		
730.	24085	<i>Oryctolagus cuniculus</i> (Rabbit)	Y		
731.	14531	<i>Ottelia ovalifolia</i> subsp. <i>ovalifolia</i>			
732.	4358	<i>Oxalis purpurea</i> (Largeflower Wood Sorrel)	Y		
733.		<i>Oxidis gracilis</i>			
734.	25680	<i>Pachycephala rufiventris</i> (Rufous Whistler)			
735.	24624	<i>Pachycephala rufiventris</i> subsp. <i>rufiventris</i> (Rufous Whistler)			
736.	502	<i>Panicum capillare</i> (Witchgrass)	Y		
737.	25253	<i>Parasuta gouldii</i>			
738.	25681	<i>Pardalotus punctatus</i> (Spotted Pardalote)			
739.	24625	<i>Pardalotus punctatus</i> subsp. <i>punctatus</i> (Spotted Pardalote)			
740.	25682	<i>Pardalotus striatus</i> (Striated Pardalote)			
741.	24630	<i>Pardalotus striatus</i> subsp. <i>westraliensis</i> (Striated Pardalote)			
742.	528	<i>Paspalum distichum</i> (Water Couch)	Y		
743.	1546	<i>Patersonia juncea</i> (Rush Leaved Patersonia)			
744.	1550	<i>Patersonia occidentalis</i> (Purple Flag, Koma)			
745.	30472	<i>Patersonia occidentalis</i> var. <i>occidentalis</i>			
746.	4343	<i>Pelargonium capitatum</i> (Rose Pelargonium)	Y		
747.	4346	<i>Pelargonium littorale</i>			
748.	24648	<i>Pelecanus conspicillatus</i> (Australian Pelican)			
749.	6006	<i>Pericalymma ellipticum</i> (Swamp Teatree)			
750.	16477	<i>Pericalymma ellipticum</i> var. <i>ellipticum</i>			
751.	16478	<i>Pericalymma ellipticum</i> var. <i>floridum</i>			
752.	11020	<i>Persicaria hydropiper</i>			
753.	11052	<i>Persicaria prostrata</i>			
754.	2255	<i>Persoonia angustiflora</i>			
755.	2273	<i>Persoonia saccata</i> (Snottygobble)			
756.	48060	<i>Petrochelidon ariel</i> (Fairy Martin)			
757.	48061	<i>Petrochelidon nigricans</i> (Tree Martin)			
758.	48066	<i>Petroica boodang</i> (Scarlet Robin)			
759.	24659	<i>Petroica goodenovii</i> (Red-capped Robin)			
760.	20391	<i>Petrophile juncifolia</i>			
761.	2299	<i>Petrophile linearis</i> (Pixie Mops)			
762.	2301	<i>Petrophile macrostachya</i>			
763.	2308	<i>Petrophile seminuda</i>			
764.	2312	<i>Petrophile striata</i>			
765.	25697	<i>Phalacrocorax carbo</i> (Great Cormorant)			
766.	25698	<i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
767.	24667	<i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
768.	25699	<i>Phalacrocorax varius</i> (Pied Cormorant)			
769.	24409	<i>Phaps chalcoptera</i> (Common Bronzewing)			
770.	25587	<i>Phaps elegans</i> (Brush Bronzewing)			
771.	18529	<i>Philotheca spicata</i> (Pepper and Salt)			
772.	1172	<i>Philydrella drummondii</i>			
773.	14306	<i>Philydrella pygmaea</i> subsp. <i>pygmaea</i>			
774.	1478	<i>Phlebocarya ciliata</i>			
775.	1479	<i>Phlebocarya filifolia</i>			
776.	48071	<i>Phylidonyris niger</i> (White-cheeked Honeyeater)			
777.	24596	<i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
778.	16177	<i>Phyllangium paradoxum</i>			
779.	4675	<i>Phyllanthus calycinus</i> (False Boronia)			
780.	4	<i>Phylloglossum drummondii</i> (Pigmy Clubmoss)			
781.	4141	<i>Phyllota gracilis</i>			
782.		<i>Phytophthora cinnamomi</i>			
783.	11928	<i>Pimelea ciliata</i> subsp. <i>ciliata</i>			
784.	11404	<i>Pimelea imbricata</i> var. <i>major</i>			
785.	11402	<i>Pimelea imbricata</i> var. <i>piligera</i>			
786.	5252	<i>Pimelea lanata</i>			
787.	12041	<i>Pimelea suaveolens</i> subsp. <i>suaveolens</i>			
788.	18353	<i>Pithocarpa pulchella</i> var. <i>pulchella</i>			
789.	24841	<i>Platalea flavipes</i> (Yellow-billed Spoonbill)			
790.	24842	<i>Platalea regia</i> (Royal Spoonbill)			
791.	25720	<i>Platycercus icterotis</i> (Western Rosella)			
792.	24747	<i>Platycercus spurius</i> (Red-capped Parrot)			
793.	25721	<i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
794.	24750	<i>Platycercus zonarius</i> subsp. <i>semitorquatus</i> (Twenty-eight Parrot)			
795.	6253	<i>Platysace filiformis</i>			
796.	25509	<i>Pletholax gracilis</i> (Keeled Legless Lizard)			
797.	25703	<i>Podargus strigoides</i> (Tawny Frogmouth)			
798.	24679	<i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			



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799.	25704	<i>Podiceps cristatus</i> (Great Crested Grebe)			
800.	8175	<i>Podolepis gracilis</i> (Slender Podolepis)			
801.	8177	<i>Podolepis lessonii</i>			
802.	38826	<i>Podoserpula pusio</i>			
803.	8183	<i>Pododthea chrysantha</i> (Yellow Pododthea)			
804.	25510	<i>Pogona minor</i> (Dwarf Bearded Dragon)			
805.	24907	<i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
806.	24681	<i>Polioccephalus polioccephalus</i> (Hoary-headed Grebe)			
807.	4578	<i>Polygala virgata</i>	Y		
808.	583	<i>Polypogon tenellus</i>			
809.	25722	<i>Polytelis anthopeplus</i> (Regent Parrot)			
810.	4691	<i>Poranthera microphylla</i> (Small Poranthera)			
811.		<i>Poranthera microphylla/moorokatta</i>			
812.		<i>Poronia erici</i>			
813.	25731	<i>Porphyrio porphyrio</i> (Purple Swampphen)			
814.	24767	<i>Porphyrio porphyrio</i> subsp. <i>bellus</i> (Purple Swampphen)			
815.	24769	<i>Porzana fluminea</i> (Australian Spotted Crane)			
816.	25732	<i>Porzana pusilla</i> (Baillon's Crane)			
817.	24771	<i>Porzana tabuensis</i> (Spotless Crane)			
818.	1670	<i>Prasophyllum drummondii</i> (Swamp Leek Orchid)			
819.	1673	<i>Prasophyllum gibbosum</i> (Humped Leek Orchid)			
820.	1680	<i>Prasophyllum parvifolium</i> (Autumn Leek Orchid)			
821.	25511	<i>Pseudonaja affinis</i> (Dugite)			
822.	25259	<i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			
823.	42416	<i>Pseudonaja mengdeni</i> (Western Brown Snake)			
824.	25433	<i>Pseudophryne guentheri</i> (Crawling Toadlet)			
825.	48085	<i>Psittacula krameri</i> (Indian Ringnecked Parrot, Rose-ringed Parakeet)	Y		
826.	24702	<i>Pterodroma brevirostris</i> (Kerguelen Petrel)			
827.		<i>Pterostylis aff. nana</i>			
828.	17267	<i>Pterostylis brevissepala</i>			
829.	48677	<i>Pterostylis ectypha</i>			
830.	44723	<i>Pterostylis glebosa</i>			
831.		<i>Pterostylis nana</i> "short sepal"			
832.	48674	<i>Pterostylis orbiculata</i>			
833.	1693	<i>Pterostylis recurva</i> (Jug Orchid)			
834.	12217	<i>Pterostylis sanguinea</i>			
835.		<i>Pterostylis</i> sp.			
836.	18655	<i>Pterostylis</i> sp. <i>crinkled leaf</i> (G.J. Keighery 13426)			
837.	1698	<i>Pterostylis vittata</i> (Banded Greenhood)			
838.	2718	<i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
839.	4172	<i>Pultenaea ericifolia</i>			
840.	4177	<i>Pultenaea ochreatea</i>			
841.		<i>Purpurecephalus spurius</i>			
842.	16367	<i>Pyrorchis nigricans</i> (Red beaks, Elephants ears)			
843.	8195	<i>Quinetia urvillei</i>			
844.	3061	<i>Raphanus raphanistrum</i> (Wild Radish)	Y		
845.	24245	<i>Rattus rattus</i> (Black Rat)	Y		
846.	24776	<i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
847.	6012	<i>Regelia ciliata</i>			
848.	6014	<i>Regelia inops</i>			
849.	48096	<i>Rhipidura albiscapa</i> (Grey Fantail)			
850.	25614	<i>Rhipidura leucophrys</i> (Willie Wagtail)			
851.	24454	<i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
852.	13300	<i>Rhodanthe citrina</i>			
853.	13234	<i>Rhodanthe manglesii</i>			
854.	13312	<i>Rhodanthe pyrethrum</i>			
855.	1556	<i>Romulea rosea</i> (Guildford Grass)	Y		
856.	2432	<i>Rumex conglomeratus</i> (Clustered Dock)	Y		
857.	40426	<i>Rytidosperma occidentale</i>			
858.	6484	<i>Samolus repens</i> (Creeping Brookweed)			
859.	7602	<i>Scaevola calliptera</i>			
860.	7613	<i>Scaevola glandulifera</i> (Viscid Hand-flower)			
861.	7619	<i>Scaevola lanceolata</i> (Long-leaved Scaevola)			
862.	7635	<i>Scaevola pilosa</i> (Hairy Fan-flower)			
863.	7636	<i>Scaevola platyphylla</i> (Broad-leaved Fanflower)			
864.	6263	<i>Schoenolaena juncea</i>			
865.	973	<i>Schoenus asperocarpus</i> (Poison Sedge)			
866.	978	<i>Schoenus brevisetis</i>			
867.	983	<i>Schoenus cruentus</i>			
868.	984	<i>Schoenus curvifolius</i>			



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869.	986 <i>Schoenus efoliatus</i>			
870.	992 <i>Schoenus grandiflorus</i> (Large Flowered Bogrush)			
871.	1006 <i>Schoenus odontocarpus</i>			
872.	17614 <i>Schoenus plumosus</i>			
873.	1011 <i>Schoenus rigens</i>			
874.	1016 <i>Schoenus subbarbatus</i> (Bearded Bog-rush)			
875.	1018 <i>Schoenus subfascicularis</i>			
876.	1023 <i>Schoenus tenellus</i>			
877.	6033 <i>Scholtzia involucrata</i> (Spiked Scholtzia)			
878.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
879.	25878 <i>Senecio condylus</i>			
880.	8203 <i>Senecio diaschides</i>			
881.	20663 <i>Senecio multicaulis</i> subsp. <i>multicaulis</i>			
882.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
883.	24279 <i>Sericornis frontalis</i> subsp. <i>maculatus</i> (White-browed Scrubwren)			
884.	8225 <i>Siloxerus humifusus</i> (Procumbent Siloxerus)			
885.	14583 <i>Siloxerus multiflorus</i>			
886.	30948 <i>Smicromis brevirostris</i> (Weebill)			
887.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
888.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
889.	617 <i>Sorghum halepense</i> (Johnson Grass)	Y		
890.	1312 <i>Sowerbaea laxiflora</i> (Purple Tassels)			
891.	1560 <i>Sparaxis pillansii</i> (Harlequin Flower)	Y		
892.	2912 <i>Spergula arvensis</i> (Corn Spurry)	Y		
893.	4205 <i>Sphaerolobium linophyllum</i>			
894.	4207 <i>Sphaerolobium medium</i>			
895.	24645 <i>Stagonopleura oculata</i> (Red-eared Firetail)			
896.	<i>Steatoda grossa</i>			
897.	40882 <i>Stemonitopsis hyperopta</i>			
898.	16197 <i>Stenanthemum emarginatum</i>			
899.	636 <i>Stenotaphrum secundatum</i> (Buffalo Grass)	Y		
900.	24329 <i>Stictonetta naevosa</i> (Freckled Duck)			
901.	2316 <i>Stirlingia latifolia</i> (Blueboy)			
902.	25589 <i>Streptopelia chinensis</i> (Spotted Turtle-Dove)	Y		
903.	30951 <i>Streptopelia chinensis</i> subsp. <i>tigrina</i> (Spotted Turtle-Dove)	Y		
904.	25590 <i>Streptopelia senegalensis</i> (Laughing Turtle-Dove)	Y		
905.	30950 <i>Streptopelia senegalensis</i> subsp. <i>senegalensis</i> (Laughing Turtle-Dove)	Y		
906.	27318 <i>Struvea plumosa</i>			
907.	7684 <i>Stylidium amoenum</i> (Lovely Triggerplant)			
908.	30278 <i>Stylidium androsaceum</i>			
909.	25831 <i>Stylidium araeophyllum</i> (Stilt Walker)			
910.	<i>Stylidium araeophyllum/neurophyllum</i>			
911.	7693 <i>Stylidium brunonianum</i> (Pink Fountain Triggerplant)			
912.	7702 <i>Stylidium ciliatum</i> (Golden Triggerplant)			
913.	7712 <i>Stylidium despectum</i> (Dwarf Triggerplant)			
914.	7713 <i>Stylidium dichotomum</i> (Pins-and-needles)			
915.	11808 <i>Stylidium diuroides</i> subsp. <i>diuroides</i>			
916.	7717 <i>Stylidium divaricatum</i> (Daddy-long-legs)			
917.	7719 <i>Stylidium ecome</i> (Foot Triggerplant)			
918.	7721 <i>Stylidium emarginatum</i> (Biddy-four-legs)			
919.	7734 <i>Stylidium guttatum</i> (Dotted Triggerplant)			
920.	7736 <i>Stylidium hispidum</i> (White Butterfly Triggerplant)			
921.	7742 <i>Stylidium inundatum</i> (Hundreds and Thousands)			
922.	7768 <i>Stylidium obtusatum</i> (Pinafore Triggerplant)			
923.	7774 <i>Stylidium piliferum</i> (Common Butterfly Triggerplant)			
924.	33106 <i>Stylidium recurvum</i>			
925.	7785 <i>Stylidium repens</i> (Matted Triggerplant)			
926.	7787 <i>Stylidium rhynchocarpum</i> (Black-beaked Triggerplant)			
927.	7790 <i>Stylidium roseoalatum</i> (Pink-wing Triggerplant)			
928.	25806 <i>Stylidium scariosum</i>			
929.	7798 <i>Stylidium schoenoides</i> (Cow Kicks)			
930.	45594 <i>Stylidium tenue</i> subsp. <i>majusculum</i> (Showy Fountain Triggerplant)			
931.	7806 <i>Stylidium utricularioides</i> (Pink Fan Triggerplant)			
932.	40947 <i>Stylidium xanthellum</i>			
933.	1260 <i>Stypandra glauca</i> (Blind Grass)			
934.	6476 <i>Styphelia tenuiflora</i> (Common Pinheath)			
935.	<i>Supunna funerea</i>			
936.	2323 <i>Synaphea gracillima</i>			
937.	15532 <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>			
938.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			

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939.	24682 <i>Tachybaptus novaehollandiae</i> subsp. <i>novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
940.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
941.	37360 <i>Tamarix ramosissima</i>	Y		
942.	<i>Tandanus bostocki</i>			
943.	24167 <i>Tarsipes rostratus</i> (Honey Possum, Noolbenger)			
944.	<i>Tasmanicosa leuckartii</i>			
945.	20135 <i>Taxandria linearifolia</i>			
946.	1036 <i>Tetralia octandra</i>			
947.	667 <i>Tetralia laevis</i> (Forest Ricegrass)			
948.	48342 <i>Tetralia hirsuta</i> subsp. <i>hirsuta</i>			
949.	48341 <i>Tetralia hirsuta</i> subsp. <i>viminea</i>			
950.	<i>Thelymitra ?graminea</i>			Y
951.	10856 <i>Thelymitra benthamiana</i> (Leopard Orchid)			
952.	11143 <i>Thelymitra graminea</i>			
953.	20731 <i>Thelymitra vulgaris</i>			
954.	20728 <i>Thelymitra xanthotricha</i>			
955.	5080 <i>Thomasia foliosa</i>			
956.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
957.	<i>Thysanotus ?thyrsoides</i>			
958.	1318 <i>Thysanotus arbuscula</i>			
959.	1320 <i>Thysanotus asper</i> (Hairy Fringe Lily)			
960.	1338 <i>Thysanotus manglesianus</i> (Fringed Lily)			
961.	<i>Thysanotus manglesianus/patersonii</i> complex			
962.	1339 <i>Thysanotus multiflorus</i> (Many-flowered Fringe Lily)			
963.	1351 <i>Thysanotus sparteus</i>			
964.	1354 <i>Thysanotus tenellus</i>			
965.	1357 <i>Thysanotus thyrsoides</i>			
966.	1358 <i>Thysanotus triandrus</i>			
967.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
968.	25519 <i>Tiliqua rugosa</i>			
969.	45838 <i>Tilletia ehrhartae</i>			
970.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
971.	24309 <i>Todiramphus sanctus</i> subsp. <i>sanctus</i> (Sacred Kingfisher)			
972.	6280 <i>Trachymene pilosa</i> (Native Parsnip)			
973.	17684 <i>Tremulina tremula</i>			
974.	1481 <i>Tribonanthes australis</i> (Southern Tiurndin)			
975.	1483 <i>Tribonanthes longipetala</i> (Branching Tiurndin)			
976.	1485 <i>Tribonanthes violacea</i> (Violet Tiurndin)			
977.	48141 <i>Tribonyx ventralis</i> (Black-tailed Native-hen)			
978.	39097 <i>Trichia decipiens</i>			
979.	25723 <i>Trichoglossus haematodus</i> (Rainbow Lorikeet)			
980.	24755 <i>Trichoglossus haematodus</i> subsp. <i>moluccanus</i> (Rainbow Lorikeet)	Y		
981.	24158 <i>Trichosurus vulpecula</i> subsp. <i>vulpecula</i> (Common Brushtail Possum)			
982.	1361 <i>Tricoryne elatior</i> (Yellow Autumn Lily)			
983.	1363 <i>Tricoryne tenella</i>			
984.	33676 <i>Triglochin calcitrapa</i>			
985.	148 <i>Triglochin muelleri</i>			
986.	18587 <i>Triglochin nana</i>			
987.	<i>Triglochin</i> sp. FL-3 (possibly <i>T. nana</i> )			Y
988.	4737 <i>Tripterococcus brunonis</i> (Winged Stackhouseia)			
989.	1139 <i>Trithuria bibracteata</i>			
990.	13479 <i>Trymalium ledifolium</i> var. <i>rosmarinifolium</i>			
991.	48147 <i>Turnix varius</i> (Painted Button-quail)			
992.	24852 <i>Tyto alba</i> subsp. <i>delicatula</i> (Barn Owl)			
993.	<i>Urodacus novaehollandiae</i>			
994.	<i>Urodacus planimanus</i>			
995.	8254 <i>Urospermum picroides</i> (False Hawkbit)	Y		
996.	8255 <i>Ursinia anthemoides</i> (Ursinia)	Y		
997.	7145 <i>Utricularia menziesii</i> (Redcoats)			
998.	7148 <i>Utricularia multifida</i>			
999.	7157 <i>Utricularia violacea</i> (Violet Bladderwort)			
1000.	33537 <i>Vallisneria australis</i>	Y		
1001.	25577 <i>Vanellus miles</i> (Masked Lapwing)			
1002.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
1003.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1004.	25225 <i>Varanus rosenbergi</i> (Heath Monitor)			
1005.	<i>Venator immansueta</i>			
1006.	6076 <i>Verticordia densiflora</i> (Compacted Featherflower)			
1007.	12411 <i>Verticordia densiflora</i> var. <i>cespitosa</i>			
1008.	15432 <i>Verticordia densiflora</i> var. <i>densiflora</i>			

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1009.	6077 <i>Verticordia drummondii</i> (Drummond's Featherflower)			
1010.	6110 <i>Verticordia plumosa</i> (Plumed Featherflower)			
1011.	12449 <i>Verticordia plumosa</i> var. <i>brachyphylla</i>			
1012.	24206 <i>Vespadelus regulus</i> (Southern Forest Bat)			
1013.	24040 <i>Vulpes vulpes</i> (Red Fox)	Y		
1014.	722 <i>Vulpia bromoides</i> (Squirrel Tail Fescue)	Y		
1015.	724 <i>Vulpia myuros</i> (Rat's Tail Fescue)	Y		
1016.	7384 <i>Wahlenbergia capensis</i> (Cape Bluebell)	Y		
1017.	7389 <i>Wahlenbergia preissii</i>			
1018.	13328 <i>Waitzia nitida</i>			
1019.	18108 <i>Watsonia meriana</i> var. <i>bulbillifera</i>	Y		
1020.	1569 <i>Watsonia versfeldii</i>	Y		
1021.	<i>Withius piger</i>			
1022.	1403 <i>Wurmbea tenella</i> (Eight Nancy)			
1023.	1256 <i>Xanthorrhoea preissii</i> (Grass tree, Palga)			
1024.	<i>Xanthorrhoea</i> sp.			
1025.	6289 <i>Xanthosia huegelii</i>			
1026.	2331 <i>Xylomelum occidentale</i> (Woody Pear, Djandin)			
1027.	1049 <i>Zantedeschia aethiopica</i> (Arum Lily)	Y		
1028.	25765 <i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereve)			

**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 3  
4 - Priority 4  
5 - Priority 5

<sup>1</sup> For NatureMap's purposes, species flagged as endemic are those whose records are wholly 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.