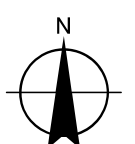
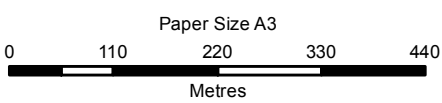




LEGEND

- River
 - Road
 - Survey Area
- | Vegetation Condition | | |
|---|--|---|
| ■ 1 - Pristine or Nearly So | ■ 2-3 - Very Good to Excellent | ■ 4-5 - Degraded to Good |
| ■ 1-2 - Excellent to Pristine | ■ 3 - Very Good | ■ 5 - Degraded |
| ■ 2 - Excellent | ■ 3-4 - Good to Very Good | ■ 5-6 - Completely Degraded to Degraded |
| | ■ 4 - Good | ■ 6 - Completely Degraded |

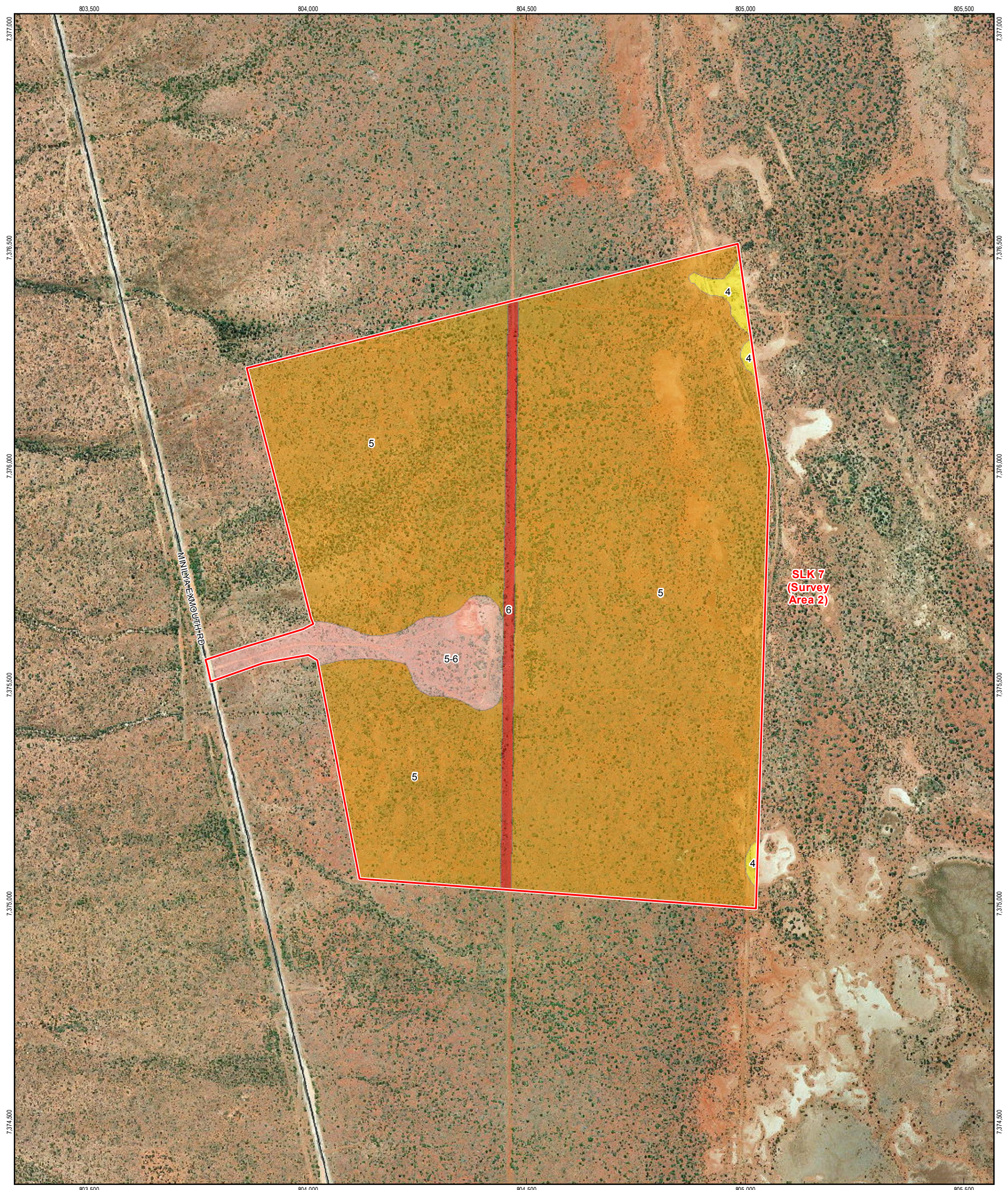


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Minilya Exmouth Biological Survey 2015

Job Number 61-32476
Revision 0
Date 05 Jul 2016

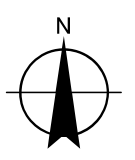
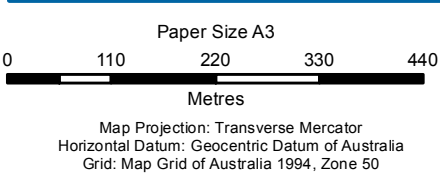
Vegetation Condition

Sheet 8
Figure 4



LEGEND

River	Vegetation Condition	2-3 - <i>Very Good to Excellent</i>	4-5 - <i>Degraded to Good</i>
Road	1 - <i>Pristine or Nearly So</i>	3 - <i>Very Good</i>	5 - <i>Degraded</i>
Survey Area	1-2 - <i>Excellent to Pristine</i>	3-4 - <i>Good to Very Good</i>	5-6 - <i>Completely Degraded to Degraded</i>
	2 - <i>Excellent</i>	4 - <i>Good</i>	6 - <i>Completely Degraded</i>



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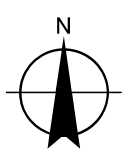
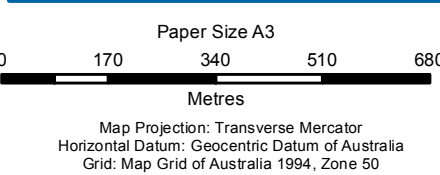
Vegetation Condition

Sheet 9
Figure 4



LEGEND

River	Vegetation Condition	2-3 - Very Good to Excellent	4-5 - Degraded to Good
Road	1 - Pristine or Nearly So	3 - Very Good	5 - Degraded
Survey Area	1-2 - Excellent to Pristine	3-4 - Good to Very Good	5-6 - Completely Degraded to Degraded
	2 - Excellent	4 - Good	6 - Completely Degraded



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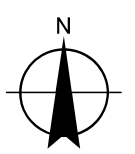
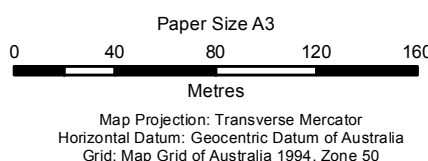
Vegetation Condition

Sheet 10
Figure 4



LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | | |
|--|--|--|--|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <ITA><i>Corchorus congener</i><ITA> ■ P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> ▲ OS, <i>Eremophila aff. oldfieldii</i> ▼ RE, <i>Acacia colei</i> ◆ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> ■ RE, <i>Lobelia gibbosa</i> + RE, <ITA><i>Salvia verbenaca</i><ITA> <p>Invasive Species</p> <ul style="list-style-type: none"> ✱ *RE, <i>Avena sativa</i> | <ul style="list-style-type: none"> ✱ *RE, <i>Lactuca serriola</i> ✱ *RE, <i>Passiflora foetida</i> ✱ *WoNS, <i>Tamarix aphylla</i> |
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 Minilya Exmouth Biological Survey 2015

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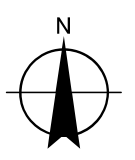
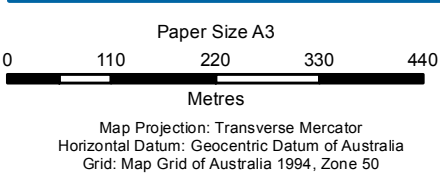
Recorded Environmental Constraints

Sheet 1
Figure 5



LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | | |
|--|---|--|--|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <ITA><i>Corchorus congener</i><ITA> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> ▲ OS, <i>Eremophila aff. oldfieldii</i> ▼ RE, <i>Acacia colei</i> ◆ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> + RE, <ITA><i>Salvia verbenaca</i><ITA> <p>Invasive Species</p> <ul style="list-style-type: none"> ✱ *RE, <i>Avena sativa</i> | <ul style="list-style-type: none"> ✱ *RE, <i>Lactuca serriola</i> ✱ *RE, <i>Passiflora foetida</i> ✱ *WoNS, <i>Tamarix aphylla</i> |
|--|---|--|--|



Main Roads Western Australia
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 Minilya Exmouth Biological Survey 2015

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 Date | 05 Jul 2016

Recorded Environmental Constraints

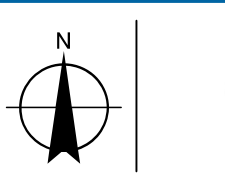
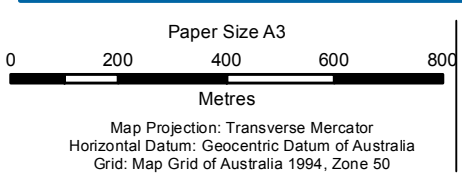
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 Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML



LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | | |
|---|---|---|---|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <i><ITA>Corchorus congener<ITA></i> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> ▲ OS, <i>Eremophila aff. oldfieldii</i> ▼ RE, <i>Acacia colei</i> ▼ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> + RE, <i><ITA>Salvia verbenaca<ITA></i> <p>Invasive Species</p> <ul style="list-style-type: none"> * RE, <i>Avena sativa</i> | <ul style="list-style-type: none"> * RE, <i>Lactuca serriola</i> * RE, <i>Passiflora foetida</i> * WoNS, <i>Tamarix aphylla</i> |
|---|---|---|---|



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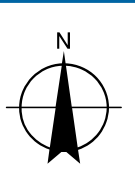
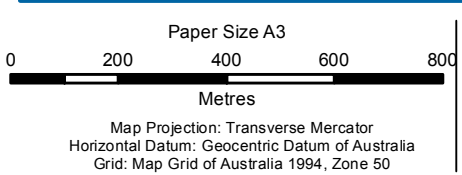
Recorded Environmental Constraints

Sheet 3
Figure 5

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Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML



LEGEND		Significant Flora Species			Invasive Species	
River	P3, <i>Acacia alexandri</i>	P3, <i>Owenia acidula</i>	RE, <i>Lobelia gibbosa</i>	*RE, <i>Lactuca serriola</i>		
Road	P3, <ITA> <i>Corchorus congener</i> <ITA>	OS, <i>Eremophila aff. oldfieldii</i>	RE, <ITA> <i>Salvia verbenaca</i> <ITA>	*RE, <i>Passiflora foetida</i>		
Survey Area	P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i>	RE, <i>Acacia colei</i>	*RE, <i>Avena sativa</i>	*WoNS, <i>Tamarix aphylla</i>		
<i>Diplodactylus capensis</i> - Cape Range Stone Gecko (Priority 2) Habitat		RE, <i>Acacia saligna</i>				
Nationally Important Wetland						



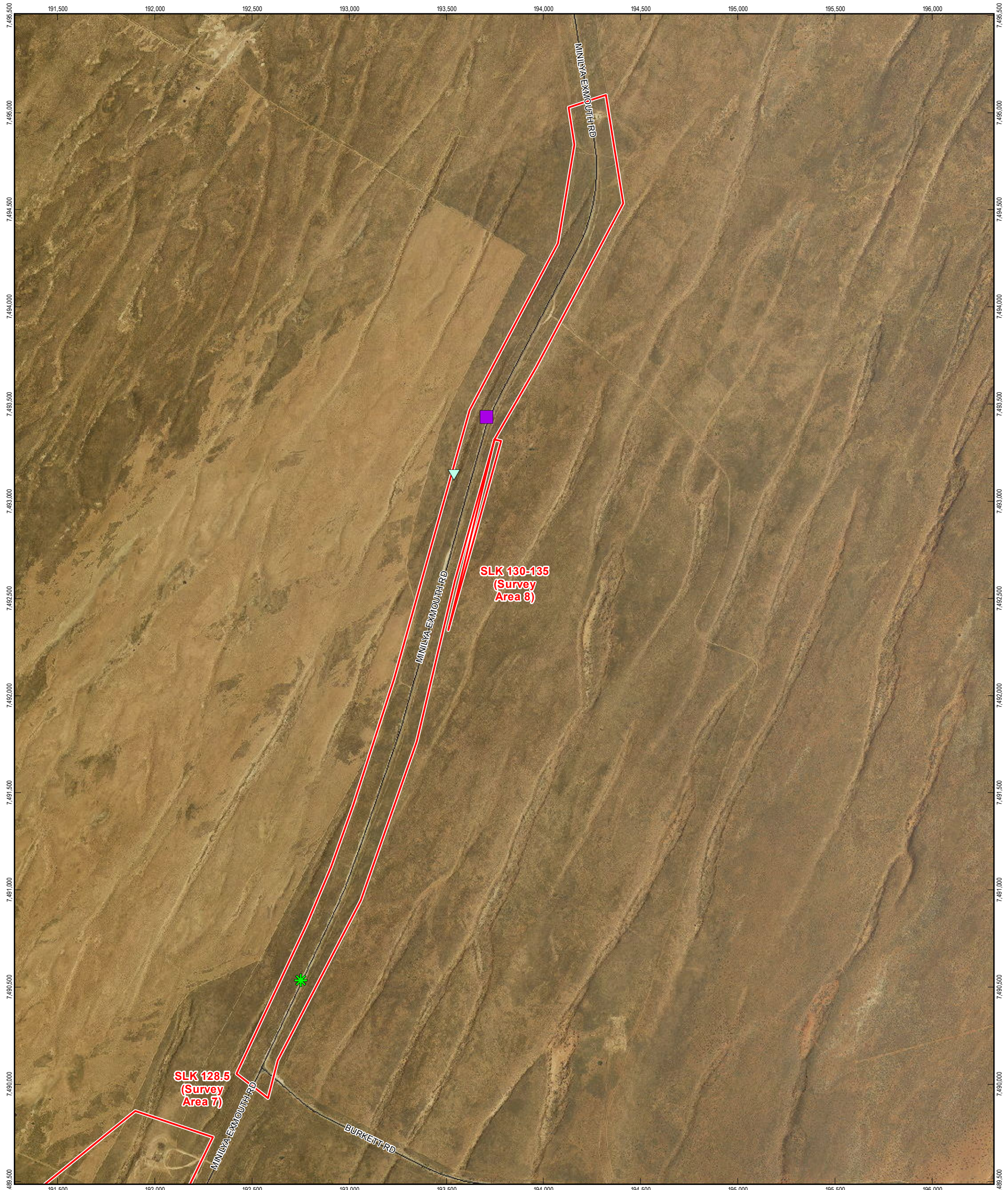
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MRWA ETS BDS
Minilya Exmouth Biological Survey 2015

Job Number | 61-32476
Revision | 0
Date | 05 Jul 2016

Recorded Environmental Constraints

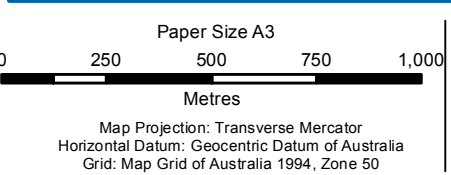
Sheet 4
Figure 5

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LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | |
|---|---|--|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <i><ITA>Corchorus congener<ITA></i> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> ▲ OS, <i>Eremophila aff. oldfieldii</i> ▼ RE, <i>Acacia colei</i> ◆ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> + RE, <i><ITA>Salvia verbenaca<ITA></i> <p>Invasive Species</p> <ul style="list-style-type: none"> ✱ *RE, <i>Avena sativa</i> ✱ *RE, <i>Lactuca serriola</i> ✱ *RE, <i>Passiflora foetida</i> ✱ *WoNS, <i>Tamarix aphylla</i> |
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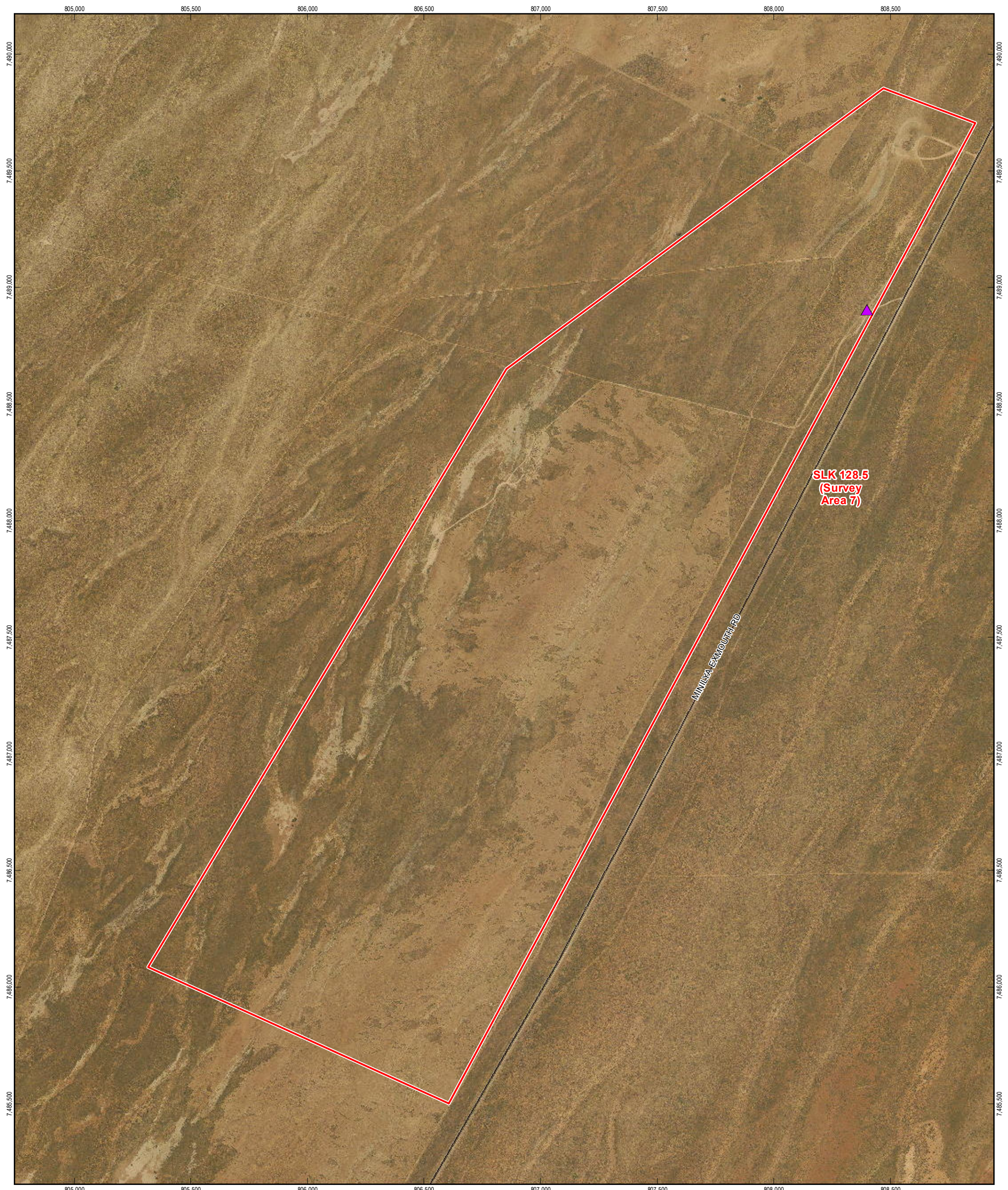
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Revision | 0
Date | 05 Jul 2016

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Grid: Map Grid of Australia 1994, Zone 50

Recorded Environmental Constraints

Sheet 5
Figure 5

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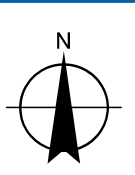


LEGEND

- | | | | | |
|---|--|---------------------------------------|---|--------------------------------|
| River | Significant Flora Species | P3, <i>Owenia acidula</i> | RE, <i>Lobelia gibbosa</i> | *RE, <i>Lactuca serriola</i> |
| Road | P3, <i>Acacia alexandri</i> | OS, <i>Eremophila aff. oldfieldii</i> | RE, <ITA> <i>Salvia verbenaca</i> <ITA> | *RE, <i>Passiflora foetida</i> |
| Survey Area | P3, <ITA> <i>Corchorus congener</i> <ITA> | RE, <i>Acacia coleii</i> | Invasive Species | *WoNS, <i>Tamarix aphylla</i> |
| <i>Diplodactylus capensis</i> - Cape Range Stone Gecko (Priority 2) Habitat | P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | RE, <i>Acacia saligna</i> | *RE, <i>Avena sativa</i> | |
| Nationally Important Wetland | | | | |

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Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Grid: Map Grid of Australia 1994, Zone 49



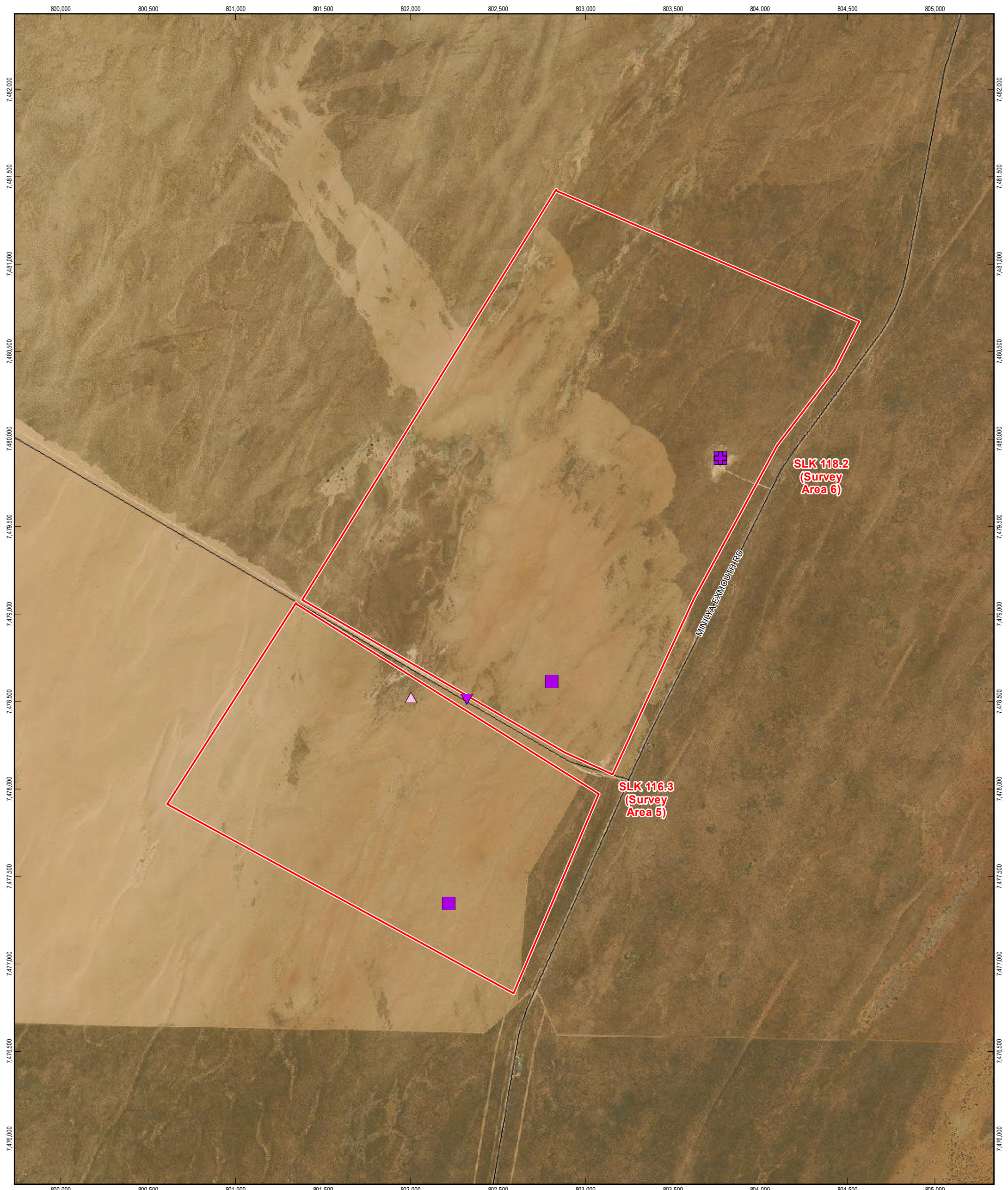
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Minilya Exmouth Biological Survey 2015

Job Number	61-32476
Revision	0
Date	05 Jul 2016

Recorded Environmental Constraints

Sheet 6
Figure 5

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Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML

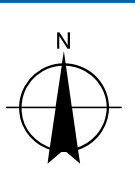


LEGEND

- | | | | | |
|---|--|---------------------------------------|---|--------------------------------|
| River | Significant Flora Species | P3, <i>Owenia acidula</i> | RE, <i>Lobelia gibbosa</i> | *RE, <i>Lactuca serriola</i> |
| Road | P3, <i>Acacia alexandri</i> | OS, <i>Eremophila aff. oldfieldii</i> | RE, <ITA> <i>Salvia verbenaca</i> <ITA> | *RE, <i>Passiflora foetida</i> |
| Survey Area | P3, <ITA> <i>Corchorus congener</i> <ITA> | RE, <i>Acacia colei</i> | Invasive Species | *WoNS, <i>Tamarix aphylla</i> |
| <i>Diplodactylus capensis</i> - Cape Range Stone Gecko (Priority 2) Habitat | P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | RE, <i>Acacia saligna</i> | *RE, <i>Avena sativa</i> | |
| Nationally Important Wetland | | | | |

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Grid: Map Grid of Australia 1994, Zone 49



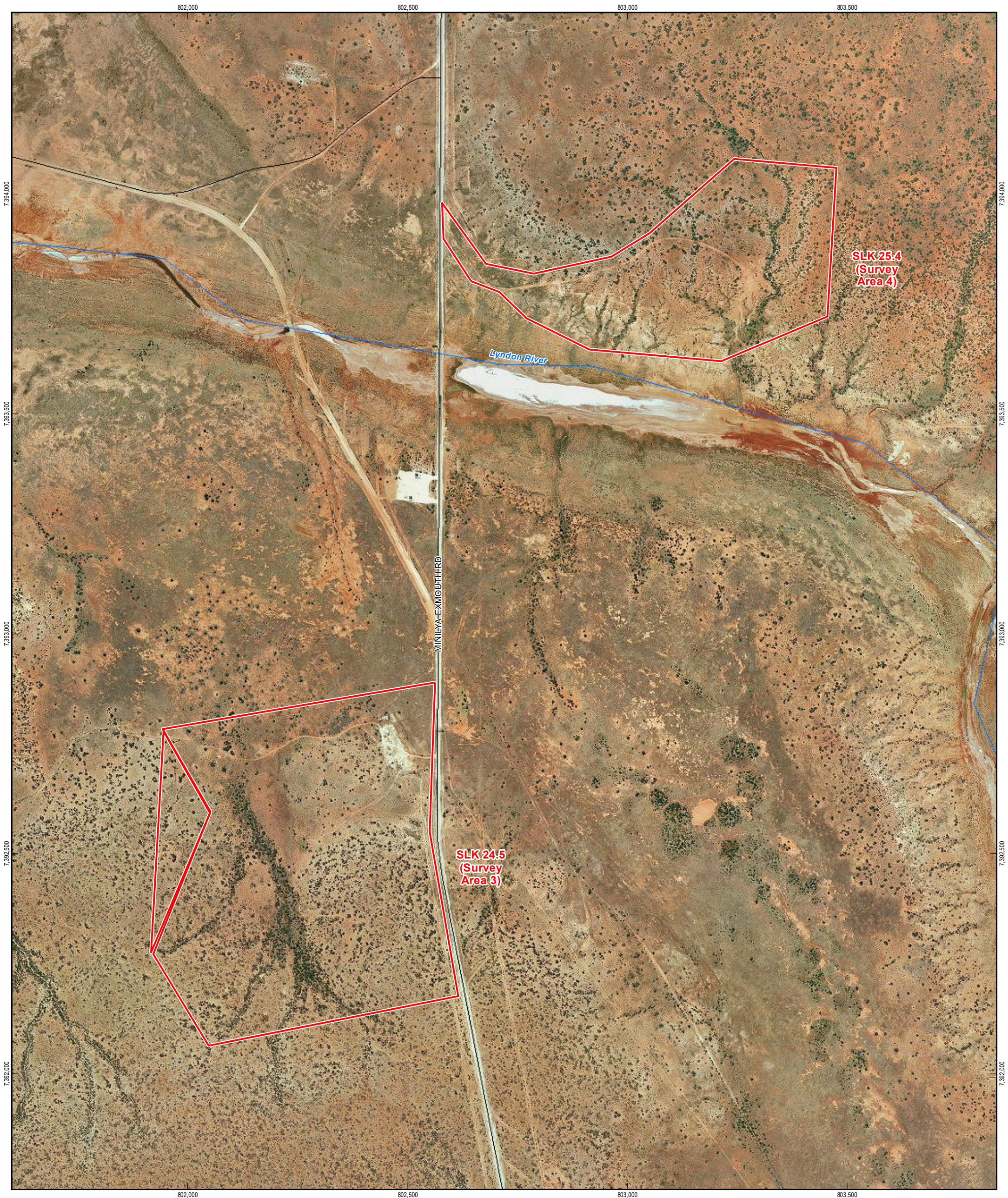
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Date 05 Jul 2016

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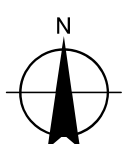
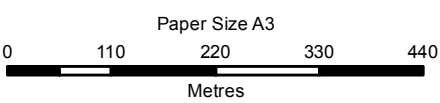
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Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML



LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | | |
|--|---|---|---|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <ITA><i>Corchorus congener</i><ITA> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> △ OS, <i>Eremophila aff. oldfieldii</i> ▲ RE, <i>Acacia coleii</i> ▼ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> + RE, <ITA><i>Salvia verbenaca</i><ITA> <p>Invasive Species</p> <ul style="list-style-type: none"> * RE, <i>Avena sativa</i> | <ul style="list-style-type: none"> * RE, <i>Lactuca serriola</i> * RE, <i>Passiflora foetida</i> * WoNS, <i>Tamarix aphylla</i> |
|--|---|---|---|



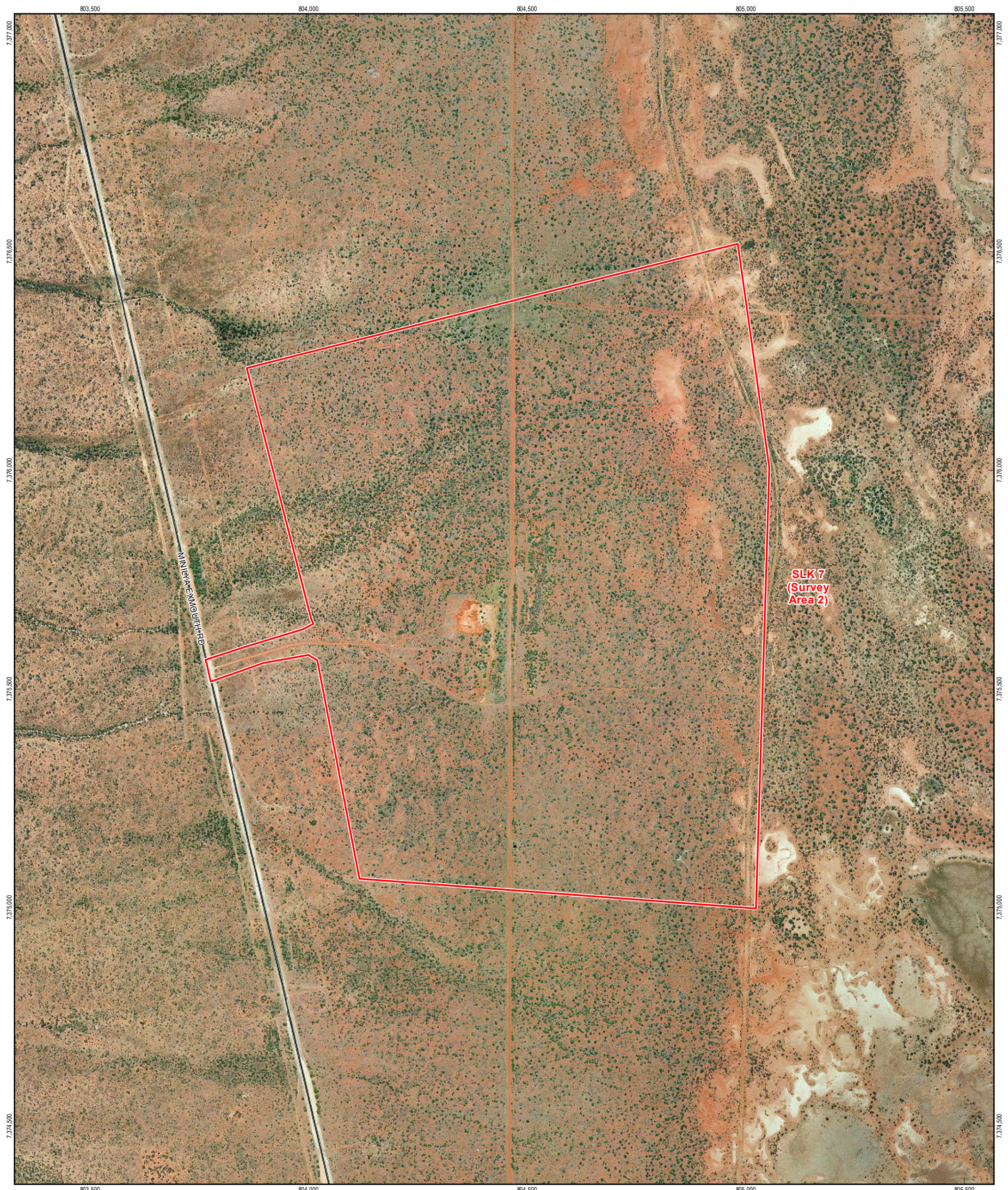
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MRWA ETS BDS
Minilya Exmouth Biological Survey 2015

Job Number	61-32476
Revision	0
Date	05 Jul 2016

Recorded Environmental Constraints

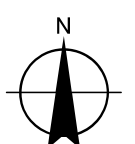
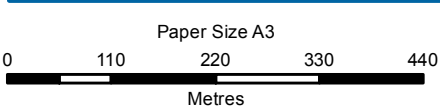
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Figure 5

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LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | |
|---|---|--|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> P3, <i>Acacia alexandri</i> P3, <ITA><i>Corchorus congener</i><ITA> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> P3, <i>Owenia acidula</i> OS, <i>Eremophila aff. oldfieldii</i> RE, <i>Acacia coleii</i> RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> RE, <ITA><i>Salvia verbenaca</i><ITA> <p>Invasive Species</p> <ul style="list-style-type: none"> *RE, <i>Avena sativa</i> *RE, <i>Lactuca serriola</i> *RE, <i>Passiflora foetida</i> *WoNS, <i>Tamarix aphylla</i> |
|---|---|--|



Main Roads Western Australia
MRWA ETS BDS
Minilya Exmouth Biological Survey 2015

Job Number | 61-32476
Revision | 0
Date | 05 Jul 2016

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Grid: Map Grid of Australia 1994, Zone 49

Recorded Environmental Constraints

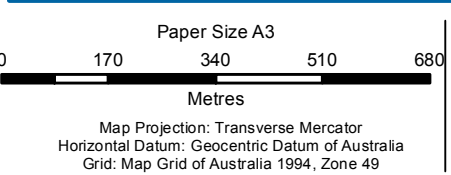
Sheet 9
Figure 5

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© 2016. Whilst every care has been taken to prepare this map, GHD, Landgate, DoW, DER, DPW and MRWA make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept liability and responsibility of any kind (whether in contract, tort or otherwise) for any expenses, losses, damages and/or costs (including indirect or consequential damage) which are or may be incurred by any party as a result of the map being inaccurate, incomplete or unsuitable in any way and for any reason.
Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML



LEGEND

- River
 - Road
 - Survey Area
 - Diplodactylus capensis* - Cape Range Stone Gecko (Priority 2) Habitat
 - Nationally Important Wetland
- | | | |
|---|--|--|
| <p>Significant Flora Species</p> <ul style="list-style-type: none"> ▲ P3, <i>Acacia alexandri</i> ▼ P3, <ITA><i>Corchorus congener</i><ITA> P3, <i>Eremophila forrestii</i> subsp. <i>capensis</i> | <ul style="list-style-type: none"> + P3, <i>Owenia acidula</i> ▲ OS, <i>Eremophila aff. oldfieldii</i> ▲ RE, <i>Acacia coleii</i> ▼ RE, <i>Acacia saligna</i> | <ul style="list-style-type: none"> RE, <i>Lobelia gibbosa</i> + RE, <ITA><i>Salvia verbenaca</i><ITA> <p>Invasive Species</p> <ul style="list-style-type: none"> * RE, <i>Avena sativa</i> * RE, <i>Lactuca serriola</i> * RE, <i>Passiflora foetida</i> * WoNS, <i>Tamarix aphylla</i> |
|---|--|--|



Main Roads Western Australia
 MRWA ETS BDS
 Minilya Exmouth Biological Survey 2015

Job Number | 61-32476
 Revision | 0
 Date | 05 Jul 2016

Recorded Environmental Constraints Sheet 10
Figure 5

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 Data source: Landgate: Imagery (Virtual Mosaic); DoW: River - 20141008; GHD: Survey Area - 20150808; Stone Gecko Habitat - 20160301; Significant Flora and Weeds - 20160301; DSEWPC: Nationally Important Wetland - 20130204; MRWA: Road - 20141008. Created by: ML

Appendices

Appendix A Conservation codes

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” (DotE 2013b). 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” (DotE 2013b).

Nationally important wetlands

Nationally important wetlands are wetlands which meet at least one of the following criteria (DotE 2013a):

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

Vegetation extent and status

The National Objectives and Targets for Biodiversity Conservation 2001–2005 (Commonwealth of Australia 2001) recognise that the retention of 30 percent or more of the pre-clearing extent of each ecological community is necessary if Australia’s biological diversity is to be protected. This is the threshold level below which species loss appears to accelerate exponentially and loss below this level should not be permitted. This level of recognition is in keeping with the targets recommended in the review of the National Strategy for the Conservation of Australia’s Biological Diversity (ANZECC, 2000) and in EPA Position Statement No. 2 on environmental protection of native vegetation in Western Australia (EPA, 2000).

From a purely biodiversity perspective and taking no account of any other land degradation issues, there are a number of key criteria now being applied to the clearing of native vegetation in Western Australia (EPA, 2000).

- The “threshold level” below which species loss appears to accelerate exponentially at an ecosystem level is regarded as being at a level of 30 percent of the pre-European extent of the vegetation type
- A level of 10 percent of the original extent is regarded as being a level representing *Endangered*
- Clearing which would put the threat level into the class below should be avoided
- From a biodiversity perspective, stream reserves should generally be in the order of at least 200 metres (m) wide.

The extent of remnant native vegetation has been assessed by Shepherd et al. (2002) and the Government of Western Australia (2015), based on broadscale vegetation association mapping by Beard.

Vegetation Condition

The vegetation condition of the site was assessed using the vegetation condition rating scale published by the Wildflower Society of Western Australia (Keighery 1994). This rating scale recognises the intactness of vegetation, which is defined by the following:

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

The scale consists of six rating levels, as outlined in Table A1.

Table A1 Vegetation Condition Rating Scale

Vegetation Condition Rating	Vegetation Condition	Description
1	<i>Pristine or Nearly So</i>	No obvious signs of disturbance.
2	<i>Excellent</i>	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.
3	<i>Very Good</i>	Vegetation structure altered obvious signs of disturbance.
4	<i>Good</i>	Vegetation structure significantly altered by very obvious signs of multiple disturbances retains basic vegetation structure or ability to regenerate it.
5	<i>Degraded</i>	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not in a state approaching good condition without intensive management.
6	<i>Completely Degraded</i>	The structure of the vegetation is no longer intact and the area is completely or almost without native species.

Conservation Codes

Species of significant flora, fauna and communities are protected under both Federal and State Acts. The Australian Government 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.

Conservation Significant Communities

Ecological communities are defined as naturally occurring biological assemblages that occur in a particular type of habitat (English and Blyth, 1997). Australian Government-listed Threatened Ecological Communities (TECs) are protected under the EPBC Act administered by the Department of the Environment (DotE) (formerly the Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC)).

The DPaW also maintains a list of TECs for Western Australia; some of which are also protected under the EPBC Act. 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* (Table 18)

Possible TECs that do not meet survey criteria are added to the DPaW Priority Ecological Community (PEC) List under Priorities 1, 2 and 3 (Table 19). 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.

Table A2 Conservation Codes

Western Australia Conservation Categories		Australian Government Conservation Categories (EPBC Act)	
Presumed Totally Destroyed (PD)	The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.	Critically Endangered (CR)	If, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future.
Critically Endangered (CR)	An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated	Endangered (EN)	If, at that time, it is not critically endangered and is facing a very high risk of extinction in the wild in the near future.
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)	If, at that time, it is not critically endangered or endangered, and is facing a high risk of extinction in the wild in the medium-term future.
Vulnerable (VU)	An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatening processes continue or begin operating throughout its range.		

Table A3 Conservation Categories and Definitions for Priority Ecological Communities as Listed by the Department of Parks and Wildlife

Category	Description
Priority 1	<p>Poorly known ecological communities.</p> <p>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.</p>
Priority 2	<p>Poorly known ecological communities.</p> <p>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.</p>
Priority 3	<p>Poorly known ecological communities.</p> <p>(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:</p> <p>(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;</p> <p>(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.</p> <p>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.</p>
Priority 4	<p>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.</p> <p>(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.</p> <p>(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.</p> <p>(iii) Ecological communities that have been removed from the list of threatened communities during the past five years.</p>
Priority 5	<p>Conservation Dependent ecological communities.</p> <p>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.</p>

Other Significant Vegetation

Vegetation may be significant for a range of reasons, other than a statutory listing as a TEC or because the extent is below a threshold level. The EPA (2004a) states that significant vegetation may include vegetation that includes the following:

- Scarcity
- Unusual species
- Novel combinations of species
- 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 the range of a unit (particularly, a good local and/or regional example of a unit in 'prime' habitat, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range)
- A restricted distribution.

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).

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 WC Act can warrant referral to the DoE and/or the EPA. According to the DPaW (WA Herbarium, 1998–): "Threatened flora are plants which have been assessed as being at risk of extinction. In Western Australia the term Declared Rare Flora (DRF) is applied to Threatened flora due to the laws regarding threatened flora conservation.

The WC Act is the primary wildlife conservation legislation in the State and the Minister for the Environment can declare taxa (species, subspecies or variety) as "Rare Flora" if they are considered to be in danger of extinction, rare or otherwise in need of special protection." For the purposes of this report, flora listed by the WC Act as DRF is described as Threatened.

The Australian Government conservation level of flora and fauna species and their significance status is assessed under the EPBC Act (Table 20). The significance levels for fauna used in the EPBC Act are those recommended by the International Union for the Conservation of Nature and Natural Resources (IUCN).

The State conservation level of fauna species and their significance status is assessed under the State WC Act (*Wildlife Conservation (Specially Protected Fauna) Notice 2010(2)*). This Act uses a set of Schedules (Table 21) but also classifies species using some of the IUCN categories. Schedule 3 fauna species are those which are "subject to an agreement between the Government of Australia and the Governments of Japan, China and the Republic of Korea relating to the protection of migratory birds, are declared to be fauna that is in need of special protection".

In Western Australia, the DPaW also maintains a list of Priority listed flora species. Conservation codes for Priority species are assigned by the DPaW to define the level of conservation significance (Table 21). Priority species are not currently protected under the WC Act.

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

Table A4 Conservation Categories and Definitions for *Environment Protection and Biodiversity Conservation Act 1999* Listed Flora and Fauna Species

Conservation category	Definition
<i>Extinct</i>	Taxa not definitely located in the wild during the past 50 years.
<i>Extinct in the Wild</i>	Taxa known to survive only in captivity.
<i>Critically Endangered</i>	Taxa facing an extremely high risk of extinction in the wild in the immediate future.
<i>Endangered</i>	Taxa facing a very high risk of extinction in the wild in the near future.
<i>Vulnerable</i>	Taxa facing a high risk of extinction in the wild in the medium-term.
<i>Near Threatened</i>	Taxa that risk becoming Vulnerable in the wild.
<i>Conservation Dependent</i>	Taxa whose survival depends upon ongoing conservation measures. Without these measures, a conservation dependent taxon would be classified as Vulnerable or more severely threatened.
<i>Data Deficient (Insufficiently Known)</i>	Taxa suspected of being Rare, Vulnerable or Endangered, but whose true status cannot be determined without more information.
<i>Least Concern</i>	Taxa that are not considered Threatened.

Table A5 Conservation Codes and Descriptions for Western Australian Flora and Fauna

Code	Conservation Category	Description
Wildlife Conservation Act 1950		
T	Schedule 1 under the WC Act	Threatened Fauna (Fauna that is rare or is likely to become extinct) Threatened Flora (Declared Rare Flora – Extant) Taxa that have been adequately searched for and are deemed to be in the wild either rare, in danger of extinction, or otherwise in need of special protection, and have been gazetted as such. CR: Critically Endangered – considered to be facing an extremely high risk of extinction in the wild. EN: Endangered – considered to be facing a very high risk of extinction in the wild. VU: Vulnerable – considered to be facing a high risk of extinction in the wild.
X	Schedule 2 under the WC Act	Presumed Extinct Fauna Presumed Extinct Flora (Declared Rare Flora – Extinct) Taxa which have been adequately searched for and there is no reasonable doubt that the last individual has died, and have been gazetted as such.

Code	Conservation Category	Description
IA	Schedule 3 under the WC Act	Birds protected under an international agreement. Birds that are subject to an agreement between governments of Australia and Japan relating to the protection of migratory birds and birds in danger of extinction.
S	Schedule 4 under the WC Act	Other specially protected fauna. Fauna that is in need of special protection, otherwise than for the reasons mentioned in the above schedules.
DPaW Priority Listed		
1	Priority One: Poorly-known taxa	Taxa that are known from one or a few collections or sight records (generally less than five), all on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, Shire, Westrail and Main Roads WA road, gravel and soil reserves and active mineral leases and under threat of habitat destruction or degradation. Taxa may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes.
2	Priority Two: Poorly-known taxa	Taxa that are known from one or a few collections or sight records, some of which are on lands not under imminent threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves, etc. Taxa may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes.
3	Priority Three: Poorly-known taxa	Taxa that are known from collections or sight records from several localities not under imminent threat, or from few but widespread localities with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Taxa may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and known threatening processes exist that could affect them.
4	Priority Four: 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. (c) Taxa that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.
5	Priority 5: Conservation Dependent taxa	Taxa that are not threatened but are subject to a specific conservation program, the cessation of which would result in the taxon becoming threatened within five years.

Migratory Species Listed under the EPBC Act

The EPBC Act also protects land and migratory species that are listed under International Agreements. The list of migratory species established under Section 209 of the EPBC Act comprises:

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

Other Significant Flora and Fauna

Flora species, subspecies, varieties, hybrids and ecotypes may be significant for a range of reasons, other than as Threatened (Declared Rare) Flora or Priority Flora. The EPA (2004a) states that significant flora may include taxa that have:

- A keystone role in a particular habitat for threatened species or supporting large populations representing a significant proportion of the local regional population of a species
- Relic status
- 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
- Being poorly reserved.

The application of the degree of significance may apply at a range of scales.

Introduced Plants (Weeds)

Declared Pests

The Department of Agriculture and Food Western Australia (DAFWA) maintains a list of Declared Pests for Western Australia that have been declared under the BAM Act. If a Pest is declared for the whole of the State or for particular Local Government Areas all landholders are obliged to comply with the specific category of control. Declared Pests are gazetted under categories, which define the action required. The category may apply to the whole of the State, districts, individual properties or even paddocks. Categories of control are defined in Table A5. Among the factors considered in categorising Declared Pests are:

- The impact of the plant on individuals, agricultural production and the community in general
- Whether it is already established in the area
- The feasibility and cost of possible control measures.

Table A6 Department of Agriculture and Food (Western Australia) Categories for Declared Pests under the Biosecurity and Agriculture Management Act 2007

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.

Weeds of National Significance

The spread of weeds across a range of land uses or ecosystems is important in the context of socio-economic 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 (Australian Government, 2012).

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Appendix B Database Searchess

SLK 0 to 4

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 113°59' 46" E,23°43' 55" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	2	4
Acanthizidae	1	4
Accipitridae	4	18
Aeshnidae	1	1
Agamidae	5	6
Amaranthaceae	7	9
Amaryllidaceae	1	2
Anatidae	3	5
Apocynaceae	2	2
Ardeidae	2	6
Artamidae	2	4
Asparagaceae	2	3
Asphodelaceae	2	2
Asteraceae	11	16
Bithynidae	1	1
Boraginaceae	2	2
Brachionidae	3	3
Brassicaceae	3	3
Bufonidae	1	2
Buthidae	1	1
Campanulaceae	1	1
Campephagidae	1	9
Capparaceae	1	1
Casuariidae	1	1
Centropogidae	2	3
Ceratopogonidae	3	3
Charadriidae	1	1
Chenopodiaceae	16	17
Chironomidae	10	12
Chrysomelidae	1	1
Chydoridae	6	6
Cinclosomatidae	1	9
Coenagrionidae	1	2
Colchicaceae	1	1
Columbidae	4	16
Convolvulaceae	1	2
Corixidae	2	2
Corvidae	2	20
Cracticidae	2	12
Cuculidae	1	3
Culicidae	1	2
Cyclopidae	3	4
Cyperaceae	1	2
Cypridae	5	6
Cypridopsidae	1	2
Cyzicidae	2	2
Daphniidae	3	4
Dicruridae	2	28
Diplodactylidae	3	7
Dytiscidae	4	5
Elapidae	1	2
Estrilidae	1	12
Euphorbiaceae	2	2
Fabaceae	14	20
Falconidae	3	12
Filiniidae	1	1
Frankeniaceae	1	1
Gekkonidae	2	2
Goodeniaceae	2	4
Gyrinidae	1	1
Halcyonidae	3	10
Haloragaceae	2	2
Hexarthridae	1	1
Hirundinidae	2	8
Hydrachnidae	1	1
Hydrophilidae	2	2
Hylidae	3	15
Ilyocyprididae	1	2
Lamiaceae	1	1
Leptoceridae	1	1
Lestidae	1	1
Libellulidae	1	1
Limnesiidae	1	1
Limnodynastidae	1	1
Lythraceae	1	1
Macrotrichidae	1	1
Maluridae	3	8

Malvaceae	4	6
Meliaceae	1	2
Meliphagidae	3	15
Meropidae	1	1
Moinidae	2	4
Myobatrachidae	2	8
Myrtaceae	6	11
Naididae	2	2
Nematoda	1	1
Notonectidae	3	5
Oleaceae	1	1
Pachycephalidae	2	4
Pardalotidae	2	7
Pelecyanidae	1	2
Phyllanthaceae	1	2
Physciaceae	1	2
Planorbidae	1	2
Plantaginaceae	1	2
Poaceae	13	18
Podicipedidae	1	1
Pomatostomidae	1	2
Proteaceae	2	4
Psittacidae	5	41
Psoraceae	1	3
Pygopodidae	1	1
Sapindaceae	1	1
Scincidae	6	36
Scrophulariaceae	2	2
Sididae	2	3
Solanaceae	2	3
Strigidae	1	2
Surianaceae	1	1
Sylviidae	2	4
Threskiornithidae	1	2
Tipulidae	1	1
Trochosphaeridae	1	1
Urticaceae	1	1
Varanidae	2	3
Velliidae	1	1
Violaceae	1	1
Zygophyllaceae	4	6
TOTAL	281	607

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
2.	11320 <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>			
Acanthizidae				
3.	30948 <i>Smicronis brevirostris</i> (Weebill)			
Accipitridae				
4.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
5.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
7.	25542 <i>Milvus migrans</i> (Black Kite)			
Aeshnidae				
8.	<i>Hemianax papuensis</i>			
Agamidae				
9.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
10.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
11.	24889 <i>Ctenophorus scutulatus</i> (Lozenge-marked Dragon)			
12.	24904 <i>Moloch horridus</i> (Thorny Devil)			
13.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
Amaranthaceae				
14.	2652 <i>Alternanthera nodiflora</i> (Common Joyweed)			
15.	2692 <i>Ptilotus alexandri</i>		P2	
16.	2717 <i>Ptilotus divaricatus</i> (Climbing Mulla Mulla)			
17.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
18.	2747 <i>Ptilotus obovatus</i> (Cotton Bush)			
19.	34701 <i>Ptilotus polakii</i> subsp. <i>juxtus</i>			
20.	43203 <i>Surreya diandra</i>			
Amaryllidaceae				
21.	1491 <i>Crinum flaccidum</i> (Native Crinum)		P2	
Anatidae				
22.	24312 <i>Anas gracilis</i> (Grey Teal)			
23.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
24.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
Apocynaceae				
25.	12832 <i>Gymnanthera cunninghamii</i>		P3	
26.	12949 <i>Marsdenia australis</i>			
Ardeidae				
27.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
28.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
Artamidae				
29.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
30.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asparagaceae				
31.	1311 <i>Murchisonia volubilis</i>			
32.	1352 <i>Thysanotus speckii</i>			
Asphodelaceae				
33.	1364 <i>Asphodelus fistulosus</i> (Onion Weed)	Y		
34.	14312 <i>Bulbine pendula</i>			
Asteraceae				
35.	7893 <i>Calocephalus knappii</i>			
36.	7905 <i>Calotis multicaulis</i> (Many-stemmed Burr-daisy)			
37.	7906 <i>Calotis plumulifera</i>			
38.	7988 <i>Gnephosis arachnoidea</i> (Cobwebby-headed Gnephosis)			
39.	7989 <i>Gnephosis brevifolia</i> (Short-leaved Gnephosis)			
40.	8088 <i>Ixiochlamys cuneifolia</i>			
41.	20611 <i>Pembertonia latisquamea</i>			
42.	8168 <i>Pluchea rubelliflora</i>			
43.	13242 <i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>			
44.	13300 <i>Rhodanthe citrina</i>			
45.	13285 <i>Schoenia ayersii</i>			
Bithynidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
46.	<i>Gabbia sp. A (CB)</i>			
Boraginaceae				
47.	29840 <i>Halgania cyanea</i> var. <i>Allambi Stn (B.W. Strong 676)</i>			
48.	6727 <i>Trichodesma zeylanicum (Camel Bush, Kumbalin)</i>			
Brachionidae				
49.	<i>Brachionus bidentatus</i>			
50.	<i>Keratella slacki</i>			
51.	<i>Plationus patulus</i>			
Brassicaceae				
52.	3008 <i>Carrichtera annua (Ward's Weed)</i>	Y		
53.	3029 <i>Lepidium linifolium</i>			
54.	3044 <i>Lepidium rotundum (Veined Peppergrass)</i>			
Bufonidae				
55.	42306 <i>Platyplectrum spenceri (Centralian Burrowing Frog)</i>			
Buthidae				
56.	<i>Urodacus hoplurus</i>			
Campanulaceae				
57.	7393 <i>Wahlenbergia tumidifructa</i>			
Campephagidae				
58.	25568 <i>Coracina novaehollandiae (Black-faced Cuckoo-shrike)</i>			
Capparaceae				
59.	11670 <i>Capparis spinosa</i> var. <i>nummularia (Coastal Caper)</i>			
Casuariidae				
60.	24470 <i>Dromaius novaehollandiae (Emu)</i>			
Centropogidae				
61.	<i>Boeckella triarticulata</i>			
62.	<i>Calamoecia sp.</i>			
Ceratopogonidae				
63.	<i>Ceratopogonidae sp D5 (CB)</i>			
64.	<i>Ceratopogonidae sp.</i>			
65.	<i>Culicoides sp.</i>			
Charadriidae				
66.	24373 <i>Charadrius melanops (Black-fronted Dotterel)</i>			
Chenopodiaceae				
67.	2450 <i>Atriplex amnicola (Swamp Saltbush)</i>			
68.	2476 <i>Atriplex semilunaris (Annual Saltbush)</i>			
69.	2556 <i>Maireana planifolia (Low Bluebush)</i>			
70.	2558 <i>Maireana polypterygia (Gascoyne Bluebush)</i>			
71.	11662 <i>Maireana tomentosa</i> subsp. <i>tomentosa</i>			
72.	2573 <i>Neobassia astrocarpa</i>			
73.	2582 <i>Rhagodia eremaea (Thorny Saltbush)</i>			
74.	30434 <i>Salsola australis</i>			
75.	8876 <i>Sclerolaena beauleholei</i>			
76.	8877 <i>Sclerolaena gardneri</i>			
77.	2628 <i>Sclerolaena recurvicauspis</i>			
78.	2632 <i>Sclerolaena tridens</i>			
79.	33236 <i>Tecticornia halocnemoides (Shrubby Samphire)</i>			
80.	31674 <i>Tecticornia peltata</i>			
81.	33220 <i>Tecticornia pterygosperma</i> subsp. <i>denticulata</i>			
82.	2644 <i>Threlkeldia diffusa (Coast Bonefruit)</i>			
Chironomidae				
83.	<i>Ablabesmyia sp.</i>			
84.	<i>Chironomus aff. alternans (V24) (CB)</i>			
85.	<i>Cladopelma curtilvalva</i>			
86.	<i>Cladotanytarsus sp CB02 (CB)</i>			
87.	<i>Coelopynia pruinosa</i>			
88.	<i>Cryptochironomus griseidorsum</i>			
89.	<i>Dicrotendipes jobetus</i>			
90.	<i>Dicrotendipes sp CB13 (CB)</i>			
91.	<i>Procladius sp.</i>			
92.	<i>Tanytarsus sp CB03 (nr fuscithorax-semibarbitarsus) (CB)</i>			
Chrysomelidae				
93.	<i>Chrysomelidae sp.</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Chydoridae				
94.	<i>Alona rigidicaudis</i>			
95.	<i>Alona</i> sp. B (CB)			
96.	<i>Australospilus elongatus</i>			
97.	<i>Leberis</i> cf. <i>diaphanus</i>			
98.	<i>Leberis</i> sp. nov. (CB) (cf. <i>diaphana vermiculata</i>)			
99.	<i>Leydigia</i> cf. <i>acanthocercoides</i> (CB)			
Cinclosomatidae				
100.	24390 <i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Coenagrionidae				
101.	<i>Xanthagrion erythroneurum</i>			
Colchicaceae				
102.	1400 <i>Wurmbea odorata</i>			
Columbidae				
103.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
104.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
105.	25585 <i>Geopelia striata</i> (Zebra Dove)			
106.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Convolvulaceae				
107.	6633 <i>Ipomoea muelleri</i> (Poison Morning Glory, Yumbu)			
Corixidae				
108.	<i>Agraptocorixa</i> sp.			
109.	<i>Micronecta gracilis</i>			
Corvidae				
110.	24416 <i>Corvus bennetti</i> (Little Crow)			
111.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
112.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
113.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Cuculidae				
114.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
Culicidae				
115.	<i>Anopheles annulipes</i> s.l.			
Cyclopidae				
116.	<i>Mesocyclops</i> sp.			
117.	<i>Metacyclops</i> sp. 442 (<i>salinarum</i> in Morton) (CB)			
118.	<i>Thermocyclops decipiens</i>			
Cyperaceae				
119.	818 <i>Cyperus vaginatus</i> (Stiffleaf Sedge)			
Cyrididae				
120.	<i>Bennelongia barangaroo</i>			
121.	<i>Cypretta baylyi</i>			
122.	<i>Heterocypris</i> sp. 489 (CB)			
123.	<i>Ilyodromus candonites</i>			
124.	<i>Potamocypris</i> sp. 466 (CB)			
Cypridopsidae				
125.	<i>Sarscypridopsis aculeata</i>			
Cyzicidae				
126.	<i>Cyzicus</i> sp. A (CB)			
127.	<i>Cyzicus</i> sp. B (CB)			
Daphniidae				
128.	<i>Ceriodaphnia cornuta</i>			
129.	<i>Daphnia</i> aff. <i>projecta</i> (CB)			
130.	<i>Daphnia</i> sp. nov. (aff. <i>barbata</i>) (CB)			
Dicruridae				
131.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
132.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
Diplodactylidae				
133.	42415 <i>Lucasium squarrosus</i>			
134.	24982 <i>Rhynchoedura ornata</i> (Western Beaked Gecko)			
135.	24946 <i>Strophurus strophurus</i>			

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Dytiscidae				
136.	<i>Allodessus bistrigatus</i>			
137.	<i>Eretes australis</i>			
138.	<i>Hyphydrus elegans</i>			
139.	<i>Onychohydrus scutellaris</i>			
Elapidae				
140.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
Estrilidae				
141.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
142.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
143.	4626 <i>Euphorbia drummondii</i> (Caustic Weed, Piwi)			
Fabaceae				
144.	13502 <i>Acacia coriacea</i> subsp. <i>pendens</i>			
145.	3280 <i>Acacia cuspidifolia</i> (Bohemia)			
146.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
147.	3452 <i>Acacia murrayana</i> (Sandplain Wattle)			
148.	19483 <i>Acacia ramulosa</i> var. <i>linophylla</i>			
149.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
150.	3577 <i>Acacia tetragonophylla</i> (Kurara, Wakalpuka)			
151.	17439 <i>Cullen lachnostachys</i>			
152.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
153.	12305 <i>Senna glutinosa</i> subsp. <i>chatelainiana</i>			
154.	12315 <i>Senna pleurocarpa</i> var. <i>angustifolia</i>			
155.	12314 <i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>			
156.	4225 <i>Swainsona ecallosa</i>			
157.	30716 <i>Vachellia farnesiana</i> (Mimosa Bush)	Y		
Falconidae				
158.	25621 <i>Falco berigora</i> (Brown Falcon)			
159.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
160.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Filiniidae				
161.	<i>Filinia australiensis</i>			
Frankeniaceae				
162.	5203 <i>Frankenia hispidula</i>			
Gekkonidae				
163.	24959 <i>Gehyra variegata</i>			
164.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Goodeniaceae				
165.	7501 <i>Goodenia corynocarpa</i>			
166.	7643 <i>Scaevola sericophylla</i>			
Gyrinidae				
167.	<i>Dineutus australis</i>			
Halcyonidae				
168.	25547 <i>Dacelo leachii</i> (Blue-winged Kookaburra)			
169.	42351 <i>Todiramphus pyrrhopygius</i> (Red-backed Kingfisher)			
170.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
Haloragaceae				
171.	6174 <i>Haloragis gossei</i>			
172.	23465 <i>Haloragis gossei</i> var. <i>gossei</i>			
Hexarthridae				
173.	<i>Hexarthra mira</i>			
Hirundinidae				
174.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
175.	24492 <i>Hirundo nigricans</i> subsp. <i>nigricans</i> (Tree Martin)			
Hydrachnidae				
176.	<i>Hydrachna approximata</i>			
Hydrophilidae				
177.	<i>Berosus</i> sp.			
178.	<i>Hydrophilus brevispina</i>			
Hylidae				

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179.	25375 <i>Cyclorana maini</i> (Sheep Frog)			
180.	25376 <i>Cyclorana platycephala</i> (Water-holding Frog)			
181.	25392 <i>Litoria rubella</i> (Little Red Tree Frog)			
Ilyocyprididae				
182.	<i>Ilyocypris perigundi</i>			
Lamiaceae				
183.	41061 <i>Quoya paniculata</i>			
Leptoceridae				
184.	<i>Oecetis</i> sp AV28 (CB)			
Lestidae				
185.	<i>Austrolestes aridus</i>			
Libellulidae				
186.	<i>Diplacodes bipunctata</i>			
Limnesiidae				
187.	<i>Limnesia</i> cf. <i>australica</i> (CB)			
Limnodynastidae				
188.	25428 <i>Neobatrachus wilsmorei</i> (Plonking Frog)			
Lythraceae				
189.	5278 <i>Ammannia multiflora</i>			
Macrotrichidae				
190.	<i>Macrotrix</i> cf. <i>hirsuticornis</i> (CB)			
Maluridae				
191.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
192.	24544 <i>Malurus lamberti</i> subsp. <i>assimilis</i> (Variegated Fairy-wren)			
193.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
194.	4892 <i>Abutilon geranioides</i>			
195.	13560 <i>Corchorus crozophorifolius</i>			
196.	4923 <i>Hibiscus brachysiphonius</i>			
197.	43022 <i>Hibiscus</i> sp. <i>Gardneri</i> (A.L. Payne PRP 1435)			
Meliaceae				
198.	4517 <i>Owenia acidula</i> (Gruie)		P3	
Meliphagidae				
199.	24559 <i>Acanthagenys rufogularis</i> (Spiny-cheeked Honeyeater)			
200.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
201.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
Meropidae				
202.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)		IA	
Moinidae				
203.	<i>Moina</i> cf. <i>australiensis</i> (CB)			
204.	<i>Moina micrura</i> s.l.			
Myobatrachidae				
205.	25445 <i>Uperoleia russelli</i> (Northwest Toadlet)			
206.	41428 <i>Uperoleia saxatilis</i> (Pilbara Toadlet)			
Myrtaceae				
207.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
208.	5484 <i>Calytrix truncatifolia</i>			
209.	5654 <i>Eucalyptus fruticosa</i>			
210.	18058 <i>Eucalyptus repullans</i>			
211.	14548 <i>Eucalyptus victrix</i>			
212.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Naididae				
213.	<i>Dero</i> sp.			
214.	<i>Pristina</i> sp.			
Nematoda				
215.	<i>Nematoda</i> sp.			
Notonectidae				
216.	<i>Anisops gratus</i>			
217.	<i>Anisops nasuta</i>			
218.	<i>Anisops stali</i>			

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Oleaceae				
219.	29056 <i>Jasminum</i> sp. Exmouth (G. Marsh 77)			
Pachycephalidae				
220.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
221.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
Pardalotidae				
222.	24627 <i>Pardalotus rubricatus</i> (Red-browed Pardalote)			
223.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
Pelecanidae				
224.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Phyllanthaceae				
225.	4680 <i>Phyllanthus maderaspatensis</i>			
Physciaceae				
226.	28020 <i>Pyxine petricola</i>			
Planorbidae				
227.	<i>Glyptophysa</i> sp			
Plantaginaceae				
228.	7098 <i>Stemodia grossa</i> (Marsh Stemodia, Mindjaara)			
Poaceae				
229.	356 <i>Enneapogon avenaceus</i> (Bottle Washers)			
230.	398 <i>Eragrostis tenellula</i> (Delicate Lovegrass)			
231.	414 <i>Eriachne obtusa</i> (Northern Wandarrie Grass)			
232.	425 <i>Eriochloa procera</i> (Cupgrass)			
233.	11011 <i>Eulalia aurea</i>			
234.	459 <i>Iseilema eremaeum</i>			
235.	514 <i>Paractaenum refractum</i>			
236.	617 <i>Sorghum halepense</i> (Johnson Grass)	Y		
237.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
238.	633 <i>Sporobolus mitchellii</i> (Ratstail Couch)			
239.	678 <i>Tragus australianus</i> (Small Burrgrass)			
240.	13131 <i>Triodia epactia</i>			
241.	43220 <i>Triodia</i> sp. Peedamulla (A.A. Mitchell PRP 1636)			
Podicipedidae				
242.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
Pomatostomidae				
243.	24684 <i>Pomatostomus temporalis</i> subsp. <i>rubeculus</i> (Grey-crowned Babbler)			
Proteaceae				
244.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kalinypa)			
245.	2096 <i>Grevillea stenobotrya</i>			
Psittacidae				
246.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
247.	24728 <i>Cacatua sanguinea</i> subsp. <i>sanguinea</i> (Little Corella)			
248.	24727 <i>Cacatua sanguinea</i> subsp. <i>westralensis</i> (Little Corella)			
249.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
250.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Psoraceae				
251.	28000 <i>Psora decipiens</i>			
Pygopodidae				
252.	25004 <i>Delma tincta</i>			
Sapindaceae				
253.	11669 <i>Diplopeltis intermedia</i> var. <i>intermedia</i>			
Scincidae				
254.	25052 <i>Ctenotus leonhardii</i>			
255.	30928 <i>Lerista clara</i>			
256.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
257.	30924 <i>Lerista rolfei</i>			
258.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
259.	25203 <i>Tiliqua occipitalis</i> (Western Bluetongue)			
Scrophulariaceae				
260.	16040 <i>Eremophila youngii</i> subsp. <i>lepidota</i>		P4	
261.	15155 <i>Eremophila youngii</i> subsp. <i>youngii</i>			

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Sididae				
262.	<i>Diaphanosoma excisum</i>			
263.	<i>Diaphanosoma unguiculatum</i>			
Solanaceae				
264.	7018 <i>Solanum lasiophyllum</i> (Flannel Bush, Mindjulu)			
265.	9258 <i>Solanum morrisonii</i>			
Strigidae				
266.	25748 <i>Ninox novaeseelandiae</i> (Boobook Owl)			
Surianaceae				
267.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
Sylviidae				
268.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
269.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
Threskiornithidae				
270.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
Tipulidae				
271.	<i>Tipulidae</i> sp.			
Trochosphaeridae				
272.	<i>Horaella brehmi</i>			
Urticaceae				
273.	12670 <i>Parietaria cardiostegia</i>			
Varanidae				
274.	25211 <i>Varanus caudolineatus</i>			
275.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
Veliidae				
276.	<i>Microvelia</i> (<i>Pacificovelia</i>) <i>oceanica</i>			
Violaceae				
277.	5215 <i>Hybanthus aurantiacus</i>			
Zygophyllaceae				
278.	4379 <i>Tribulus macrocarpus</i>			
279.	4380 <i>Tribulus occidentalis</i> (Perennial Caltrop)			
280.	18072 <i>Tribulus suberosus</i>			
281.	4395 <i>Zygophyllum retivalve</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:27:46

[Summary](#)

[Details](#)

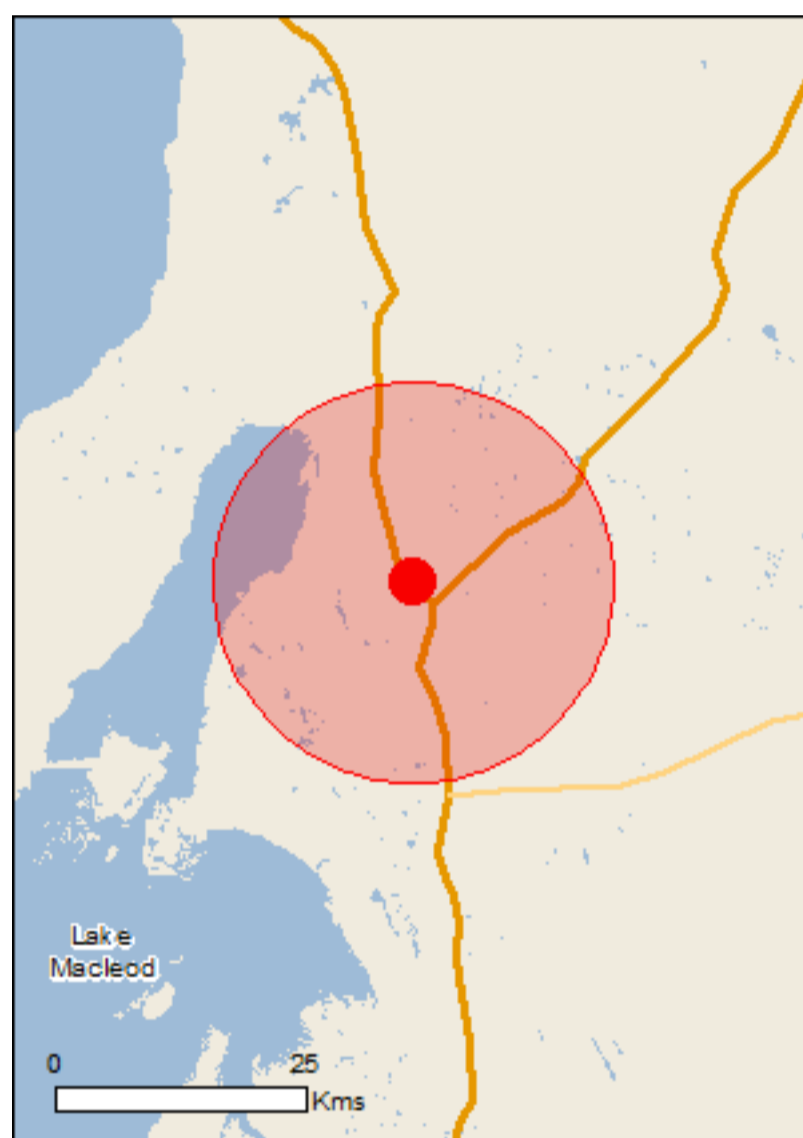
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

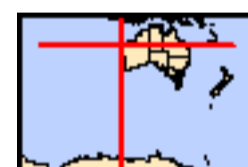
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

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:	None
Listed Threatened Species:	2
Listed Migratory Species:	7

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	8
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	7
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
------	--------	------------------

Mammals

[Rhinonicteris aurantia \(Pilbara form\)](#)

Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area
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Plants

[Pityrodia augustensis](#)

Mt Augustus Foxglove [4962]	Vulnerable	Species or species habitat likely to occur within area
-----------------------------	------------	--

Listed Migratory Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
------	------------	------------------

Migratory Marine Birds

[Apus pacificus](#)

Fork-tailed Swift [678]		Species or species habitat likely to occur within area
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Migratory Terrestrial Species

[Hirundo rustica](#)

Barn Swallow [662]		Species or species habitat may occur within area
--------------------	--	--

[Merops ornatus](#)

Rainbow Bee-eater [670]		Species or species habitat may occur within area
-------------------------	--	--

Migratory Wetlands Species

[Ardea alba](#)

Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
----------------------------------	--	--

[Ardea ibis](#)

Cattle Egret [59542]		Species or species habitat may occur within area
----------------------	--	--

[Charadrius veredus](#)

Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
--	--	--

[Pandion cristatus](#)

Eastern Osprey [82411]		Species or species habitat likely to occur within area
------------------------	--	--

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area

Extra Information

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 Resources Audit, 2001.

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

Mammals

Name	Status	Type of Presence
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Nationally Important Wetlands		[<u>Resource Information</u>]
Name		State
Lake MacLeod		WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-23.73501 113.99926

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 7

Created By Guest user on 12/08/2015

Current Names Only Yes
 Core Datasets Only Yes
 Method 'By Circle'
 Centre 113°57' 54" E,23°39' 01" S
 Buffer 20km
 Group By Family

Family	Species	Records
Acanthaceae	1	1
Acanthizidae	1	3
Accipitridae	5	21
Agamidae	6	17
Alaudidae	1	1
Amaranthaceae	5	5
Amaryllidaceae	1	2
Anatidae	6	14
Araneidae	1	1
Ardeidae	2	7
Artamidae	2	6
Asparagaceae	3	4
Asteraceae	11	15
Brassicaceae	2	2
Campephagidae	2	11
Casuaridae	1	2
Charadriidae	3	5
Chenopodiaceae	17	17
Cinclosomatidae	1	6
Colchicaceae	1	1
Columbidae	4	17
Corvidae	2	23
Cracticidae	1	10
Cuculidae	2	5
Cyperaceae	1	1
Dicruridae	2	31
Diplodactylidae	3	7
Elapidae	1	1
Estrilidae	1	15
Fabaceae	11	16
Falconidae	3	16
Gekkonidae	1	1
Goodeniaceae	3	3
Halcyonidae	3	9
Hirundinidae	1	8
Lamiaceae	1	1
Maturidae	2	9
Malvaceae	3	3
Meliaceae	1	2
Meliphagidae	5	17
Meropidae	1	1
Myrtaceae	6	6
Otididae	1	1
Pachycephalidae	2	4
Pardalotidae	1	5
Pelecanidae	1	3
Phalacrocoracidae	1	1
Phyllanthaceae	1	1
Physciaceae	1	2
Poaceae	7	7
Podicipedidae	2	3
Proteaceae	1	2
Psittacidae	4	35
Psoraceae	1	3
Recurvirostridae	2	4
Ruppiceae	1	1
Sapindaceae	2	2
Scincidae	6	35
Scrophulariaceae	2	2
Solanaceae	2	2
Strigidae	1	2
Surianaceae	1	1
Sylviidae	2	10
Threskiornithidae	1	1
Varanidae	1	2
Zygophyllaceae	2	3
TOTAL	176	475

Name ID Species Name

Naturalised

Conservation Code

¹Endemic To Query Area

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
Acanthizidae				
2.	30948 <i>Smicronis brevirostris</i> (Weebill)			
Accipitridae				
3.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
4.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
5.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
7.	25542 <i>Milvus migrans</i> (Black Kite)			
Agamidae				
8.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
9.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
10.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
11.	24889 <i>Ctenophorus scutulatus</i> (Lozenge-marked Dragon)			
12.	24904 <i>Moloch horridus</i> (Thorny Devil)			
13.	24907 <i>Pogona minor subsp. minor</i> (Dwarf Bearded Dragon)			
Alaudidae				
14.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
15.	2692 <i>Ptilotus alexandri</i>		P2	
16.	11708 <i>Ptilotus gomphrenoides</i> var. <i>conglomeratus</i>			
17.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
18.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (Yellow Tails)			
19.	43203 <i>Surreya diandra</i>			
Amaryllidaceae				
20.	1491 <i>Crinum flaccidum</i> (Native Crinum)		P2	
Anatidae				
21.	24312 <i>Anas gracilis</i> (Grey Teal)			
22.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
23.	24318 <i>Aythya australis</i> (Hardhead)			
24.	24322 <i>Cygnus atratus</i> (Black Swan)			
25.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
26.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
Araneidae				
27.	<i>Argiope protensa</i>			
Ardeidae				
28.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
29.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
Artamidae				
30.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
31.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asparagaceae				
32.	1211 <i>Acanthocarpus verticillatus</i>			
33.	1311 <i>Murchisonia volubilis</i>			
34.	1352 <i>Thysanotus speckii</i>			
Asteraceae				
35.	7881 <i>Brachyscome oncocarpa</i>			
36.	7893 <i>Calocephalus knappii</i>			
37.	7905 <i>Calotis multicaulis</i> (Many-stemmed Burr-daisy)			
38.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
39.	7988 <i>Gnephosis arachnoidea</i> (Cobwebby-headed Gnephosis)			
40.	7989 <i>Gnephosis brevifolia</i> (Short-leaved Gnephosis)			
41.	8168 <i>Pluchea rubelliflora</i>			
42.	13242 <i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>			
43.	13300 <i>Rhodanthe citrina</i>			
44.	13285 <i>Schoenia ayersii</i>			
45.	8238 <i>Streptoglossa liatroides</i>			
Brassicaceae				
46.	3029 <i>Lepidium linifolium</i>			
47.	3044 <i>Lepidium rotundum</i> (Veined Peppergrass)			
Campephagidae				
48.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
49.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (Black-faced Cuckoo-shrike)			
Casuariidae				
50.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
Charadriidae				
51.	24373 <i>Charadrius melanops</i> (Black-fronted Dotterel)			
52.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
53.	24379 <i>Erythronyx cinctus</i> (Red-kneed Dotterel)			
Chenopodiaceae				
54.	2450 <i>Atriplex amnicola</i> (Swamp Saltbush)			
55.	2453 <i>Atriplex codonocarpa</i> (Flat-topped Saltbush)			
56.	2459 <i>Atriplex holocarpa</i> (Pop Saltbush)			
57.	2476 <i>Atriplex semilunaris</i> (Annual Saltbush)			
58.	2499 <i>Dissocarpus paradoxus</i> (Curious Saltbush)			
59.	2504 <i>Dysphania plantaginella</i>			
60.	2556 <i>Maireana planifolia</i> (Low Bluebush)			
61.	2573 <i>Neobassia astrocarpa</i>			
62.	30434 <i>Salsola australis</i>			
63.	8876 <i>Sclerolaena beaugholei</i>			
64.	2628 <i>Sclerolaena recurvicauspis</i>			
65.	2632 <i>Sclerolaena tridens</i>			
66.	31918 <i>Tecticornia doleiformis</i> (Samphire)			
67.	33236 <i>Tecticornia halocnemoides</i> (Shrubby Samphire)			
68.	31674 <i>Tecticornia peltata</i>			
69.	33220 <i>Tecticornia pterygosperma</i> subsp. <i>denticulata</i>			
70.	2644 <i>Threlkeldia diffusa</i> (Coast Bonefruit)			
Cinclosomatidae				
71.	24390 <i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Colchicaceae				
72.	1400 <i>Wurmbea odorata</i>			
Columbidae				
73.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
74.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
75.	25585 <i>Geopelia striata</i> (Zebra Dove)			
76.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Corvidae				
77.	24416 <i>Corvus bennetti</i> (Little Crow)			
78.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
79.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
Cuculidae				
80.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
81.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
Cyperaceae				
82.	777 <i>Cyperus bulbosus</i> (Bush Onion, Tjanmata)			
Dicruridae				
83.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
84.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
Diplodactylidae				
85.	42415 <i>Lucasium squarrosum</i>			
86.	24982 <i>Rhynchoedura ornata</i> (Western Beaked Gecko)			
87.	24946 <i>Strophurus strophurus</i>			
Elapidae				
88.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
Estrilidae				
89.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Fabaceae				
90.	13502 <i>Acacia coriacea</i> subsp. <i>pendens</i>			
91.	3280 <i>Acacia cuspidifolia</i> (Bohemia)			
92.	3452 <i>Acacia murrayana</i> (Sandplain Wattle)			
93.	19483 <i>Acacia ramulosa</i> var. <i>linophylla</i>			
94.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
95.	3549 <i>Acacia spathulifolia</i>			
96.	3606 <i>Acacia xiphophylla</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
97.	17117 <i>Cullen cinereum</i>			
98.	16489 <i>Leptosema macrocarpum</i>			
99.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
100.	4242 <i>Swainsona pterostylis</i>			
Falconidae				
101.	25621 <i>Falco berigora</i> (Brown Falcon)			
102.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
103.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Gekkonidae				
104.	24959 <i>Gehyra variegata</i>			
Goodeniaceae				
105.	7501 <i>Goodenia corynocarpa</i>			
106.	7608 <i>Scaevola cunninghamii</i>			
107.	7643 <i>Scaevola sericophylla</i>			
Halcyonidae				
108.	25547 <i>Dacelo leachii</i> (Blue-winged Kookaburra)			
109.	42351 <i>Todiramphus pyrrhopygius</i> (Red-backed Kingfisher)			
110.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
Hirundinidae				
111.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Lamiaceae				
112.	41061 <i>Quoya paniculata</i>			
Maluridae				
113.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
114.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
115.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
116.	43022 <i>Hibiscus</i> sp. <i>Gardneri</i> (A.L. Payne PRP 1435)			
117.	4960 <i>Lawrencia viridigrisea</i>			
Meliaceae				
118.	4517 <i>Owenia acidula</i> (Gruie)		P3	
Meliphagidae				
119.	24559 <i>Acanthagenys rufogularis</i> (Spiny-cheeked Honeyeater)			
120.	24568 <i>Epthianura aurifrons</i> (Orange Chat)			
121.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
122.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
123.	42310 <i>Sugomel niger</i> (Black Honeyeater)			
Meropidae				
124.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)		IA	
Myrtaceae				
125.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
126.	5654 <i>Eucalyptus fruticosa</i>			
127.	18058 <i>Eucalyptus repullulans</i>			
128.	6051 <i>Thryptomene baeckeacea</i>			
129.	44710 <i>Thryptomene dampieri</i>			
130.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Otididae				
131.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
Pachycephalidae				
132.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
133.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
Pardalotidae				
134.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
Pelecanidae				
135.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Phalacrocoracidae				
136.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
Phyllanthaceae				
137.	4680 <i>Phyllanthus maderaspatensis</i>			
Physciaceae				
138.	28020 <i>Pyxine petricola</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Poaceae				
139.	378 <i>Eragrostis dielsii</i> (Mallee Lovegrass)			
140.	399 <i>Eragrostis xerophila</i> (Knotty-butt Neverfail)			
141.	514 <i>Paractaenum refractum</i>			
142.	606 <i>Setaria dielsii</i> (Diels' Pigeon Grass)			
143.	678 <i>Tragus australianus</i> (Small Burrgrass)			
144.	13131 <i>Triodia epactia</i>			
145.	17873 <i>Triodia schinzii</i>			
Podicipedidae				
146.	24681 <i>Poliiocephalus poliocephalus</i> (Hoary-headed Grebe)			
147.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
Proteaceae				
148.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kaliny)			
Psittacidae				
149.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
150.	24728 <i>Cacatua sanguinea</i> subsp. <i>sanguinea</i> (Little Corella)			
151.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
152.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Psoraceae				
153.	28000 <i>Psora decipiens</i>			
Recurvirostridae				
154.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
155.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
Ruppiaceae				
156.	116 <i>Ruppia polycarpa</i>			
Sapindaceae				
157.	11487 <i>Alectryon oleifolius</i> subsp. <i>oleifolius</i>			
158.	11669 <i>Diplopeltis intermedia</i> var. <i>intermedia</i>			
Scincidae				
159.	25052 <i>Ctenotus leonhardii</i>			
160.	30928 <i>Lerista clara</i>			
161.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
162.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
163.	30924 <i>Lerista rolfei</i>			
164.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
Scrophulariaceae				
165.	7234 <i>Eremophila longifolia</i> (Berrigan, Tulypurpa)			
166.	16040 <i>Eremophila youngii</i> subsp. <i>lepidota</i>		P4	
Solanaceae				
167.	6962 <i>Datura leichhardtii</i> (Native Thornapple)	Y		
168.	42544 <i>Solanum elatius</i>			
Strigidae				
169.	25748 <i>Ninox novaeseelandiae</i> (Boobook Owl)			
Surianaceae				
170.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
Sylviidae				
171.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
172.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
Threskiornithidae				
173.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
Varanidae				
174.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
Zygophyllaceae				
175.	18072 <i>Tribulus suberosus</i>			
176.	4395 <i>Zygophyllum retivalve</i>			

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

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
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5 - Priority 5

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:27:58

[Summary](#)

[Details](#)

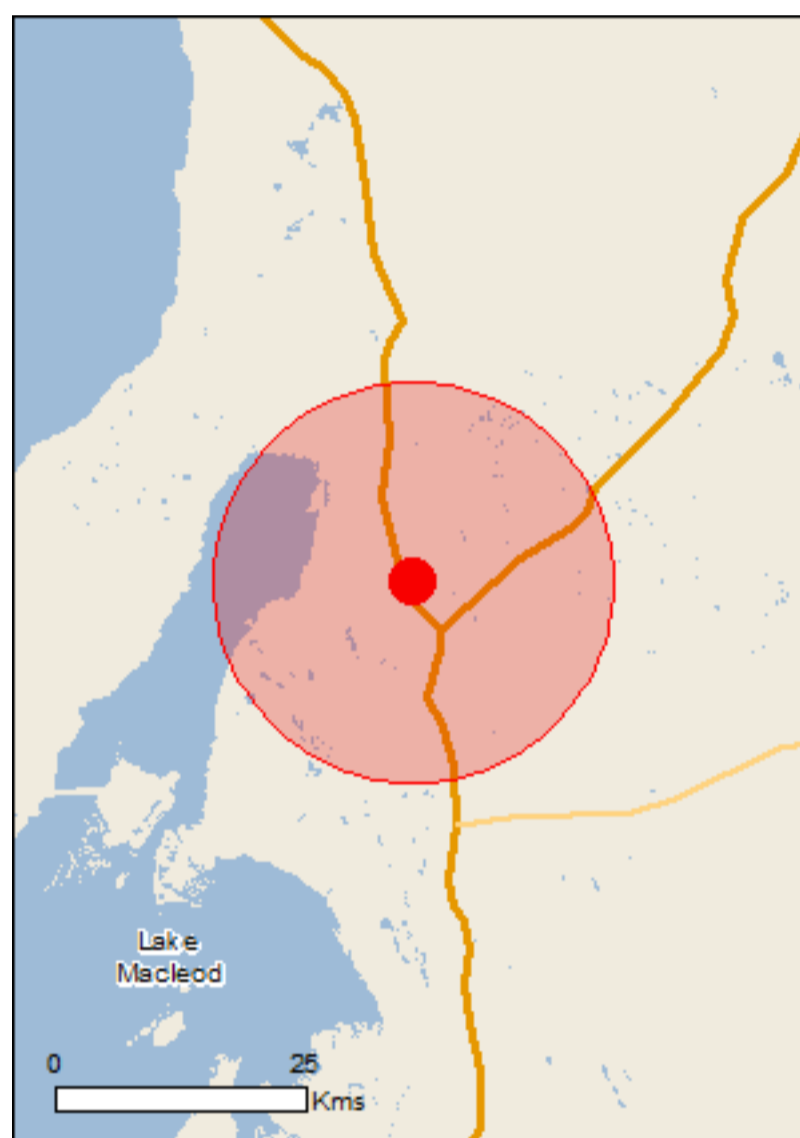
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

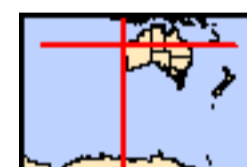
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

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:	None
Listed Threatened Species:	2
Listed Migratory Species:	7

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	8
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	7
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
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Mammals

[Rhinonicteris aurantia \(Pilbara form\)](#)

Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area
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Plants

[Pityrodia augustensis](#)

Mt Augustus Foxglove [4962]	Vulnerable	Species or species habitat likely to occur within area
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Listed Migratory Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
------	------------	------------------

Migratory Marine Birds

[Apus pacificus](#)

Fork-tailed Swift [678]		Species or species habitat likely to occur within area
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Migratory Terrestrial Species

[Hirundo rustica](#)

Barn Swallow [662]		Species or species habitat may occur within area
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[Merops ornatus](#)

Rainbow Bee-eater [670]		Species or species habitat may occur within area
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Migratory Wetlands Species

[Ardea alba](#)

Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
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[Ardea ibis](#)

Cattle Egret [59542]		Species or species habitat may occur within area
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[Charadrius veredus](#)

Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
--	--	--

[Pandion cristatus](#)

Eastern Osprey [82411]		Species or species habitat likely to occur within area
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Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba		
Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis		
Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus		
Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica		
Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus		
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat likely to occur within area

Extra Information

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 Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
<i>Columba livia</i>		
Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area

Mammals

Name	Status	Type of Presence
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants	Status	Type of Presence
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Nationally Important Wetlands		[Resource Information]
Name		State
Lake MacLeod		WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-23.71238 113.99102

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 24.5

Created By Guest user on 12/08/2015

Current Names Only Yes
 Core Datasets Only Yes
 Method 'By Circle'
 Centre 113°57' 42" E,23°32' 56" S
 Buffer 20km
 Group By Family

Family	Species	Records
Acanthaceae	2	2
Acanthizidae	1	1
Accipitridae	3	5
Actinopodidae	1	1
Agamidae	6	33
Alaudidae	1	1
Amaranthaceae	5	5
Anatidae	6	9
Araneidae	1	1
Ardeidae	1	1
Artamidae	1	3
Asparagaceae	2	4
Asteraceae	10	14
Boidae	1	1
Brassicaceae	1	1
Campephagidae	2	3
Carphodactylidae	1	1
Casuariidae	1	3
Charadriidae	2	4
Chenopodiaceae	12	14
Cinclosomatidae	1	2
Columbidae	3	5
Corvidae	2	4
Cracticidae	2	3
Cuculidae	2	3
Cyperaceae	1	1
Dicruridae	2	8
Diplodactylidae	4	9
Elapidae	4	6
Estrilidae	1	7
Euphorbiaceae	1	1
Fabaceae	16	22
Falconidae	2	7
Frankeniaceae	1	1
Gekkonidae	3	16
Geraniaceae	1	1
Goodeniaceae	3	5
Haematopodidae	1	1
Hirundinidae	1	1
Kyphosidae	1	1
Lamiaceae	1	1
Limnodynastidae	1	1
Maluridae	2	4
Malvaceae	3	4
Meliphagidae	5	7
Myrtaceae	6	9
Otididae	1	1
Pachycephalidae	1	2
Pelecanidae	1	2
Phalacrocoracidae	1	1
Physciaceae	1	2
Plumbaginaceae	1	1
Poaceae	8	10
Podicipedidae	1	2
Pomacanthidae	1	1
Proteaceae	3	5
Psittacidae	3	6
Psoraceae	1	3
Recurvirostridae	2	4
Rubiaceae	1	1
Ruppiaceae	1	1
Sapindaceae	2	2
Scaridae	1	1
Scincidae	8	29
Scolopendridae	1	2
Scrophulariaceae	5	5
Solanaceae	3	3
Surianaceae	1	1
Sylviidae	2	7
Varanidae	2	3
Verrucariaceae	1	1
Vespertilionidae	1	2
Zygophyllaceae	3	3
TOTAL	187	338

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
2.	7164 <i>Dicladanthera forrestii</i>			
Acanthizidae				
3.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
Accipitridae				
4.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
5.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
Actinopodidae				
7.	<i>Missulena occatoria</i>			
Agamidae				
8.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
9.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
10.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
11.	24889 <i>Ctenophorus scutulatus</i> (Lozenge-marked Dragon)			
12.	24904 <i>Moloch horridus</i> (Thorny Devil)			
13.	24907 <i>Pogona minor subsp. minor</i> (Dwarf Bearded Dragon)			
Alaudidae				
14.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
15.	2692 <i>Ptilotus alexandri</i>		P2	
16.	11708 <i>Ptilotus gomphrenoides</i> var. <i>conglomeratus</i>			
17.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (Yellow Tails)			
18.	2766 <i>Ptilotus villosiflorus</i>			
19.	43203 <i>Surreya diandra</i>			
Anatidae				
20.	24312 <i>Anas gracilis</i> (Grey Teal)			
21.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
22.	24318 <i>Aythya australis</i> (Hardhead)			
23.	24322 <i>Cygnus atratus</i> (Black Swan)			
24.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
25.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
Araneidae				
26.	<i>Argiope protensa</i>			
Ardeidae				
27.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
Artamidae				
28.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
Asparagaceae				
29.	1211 <i>Acanthocarpus verticillatus</i>			
30.	1311 <i>Murchisonia volubilis</i>			
Asteraceae				
31.	7822 <i>Angianthus acrohyalinus</i> (Hook-leaf Angianthus)			
32.	7881 <i>Brachyscome oncocarpa</i>			
33.	7893 <i>Calocephalus knappii</i>			
34.	7922 <i>Cephalopterum drummondii</i> (Pompom Head)			
35.	7951 <i>Cratystylis subspinescens</i> (Australian Sage, Spiny Grey Bush)			
36.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
37.	8168 <i>Pluchea rubelliflora</i>			
38.	13242 <i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>			
39.	13285 <i>Schoenia ayersii</i>			
40.	8238 <i>Streptoglossa liatroides</i>			
Boidae				
41.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
Brassicaceae				
42.	3029 <i>Lepidium linifolium</i>			
Campephagidae				
43.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
44.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (Black-faced Cuckoo-shrike)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Carphodactylidae				
45.	24968 <i>Nephurus levis subsp. occidentalis</i>			
Casuariidae				
46.	24470 <i>Dromaius novaehollandiae (Emu)</i>			
Charadriidae				
47.	24377 <i>Charadrius ruficapillus (Red-capped Plover)</i>			
48.	24379 <i>Erythrogonys cinctus (Red-kneed Dotterel)</i>			
Chenopodiaceae				
49.	2450 <i>Atriplex amnicola (Swamp Saltbush)</i>			
50.	2453 <i>Atriplex codonocarpa (Flat-topped Saltbush)</i>			
51.	2459 <i>Atriplex holocarpa (Pop Saltbush)</i>			
52.	2476 <i>Atriplex semilunaris (Annual Saltbush)</i>			
53.	2499 <i>Dissocarpus paradoxus (Curious Saltbush)</i>			
54.	2504 <i>Dysphania plantaginella</i>			
55.	2573 <i>Neobassia astrocarpa</i>			
56.	31918 <i>Tecticornia doleiformis (Samphire)</i>			
57.	33236 <i>Tecticornia halocnemoides (Shrubby Samphire)</i>			
58.	31674 <i>Tecticornia peltata</i>			
59.	33220 <i>Tecticornia pterygosperma subsp. denticulata</i>			
60.	2644 <i>Threlkeldia diffusa (Coast Bonefruit)</i>			
Cinclosomatidae				
61.	24390 <i>Psophodes occidentalis (Western Wedgebill, Chiming Wedgebill)</i>			
Columbidae				
62.	24401 <i>Geopelia cuneata (Diamond Dove)</i>			
63.	25585 <i>Geopelia striata (Zebra Dove)</i>			
64.	24407 <i>Ocyphaps lophotes (Crested Pigeon)</i>			
Corvidae				
65.	24416 <i>Corvus bennetti (Little Crow)</i>			
66.	25593 <i>Corvus orru (Torresian Crow)</i>			
Cracticidae				
67.	24420 <i>Cracticus nigrogularis (Pied Butcherbird)</i>			
68.	25595 <i>Cracticus tibicen (Australian Magpie)</i>			
Cuculidae				
69.	42307 <i>Cacomantis pallidus (Pallid Cuckoo)</i>			
70.	24431 <i>Chrysococcyx basalis (Horsfield's Bronze Cuckoo)</i>			
Cyperaceae				
71.	777 <i>Cyperus bulbosus (Bush Onion, Tjanmata)</i>			
Dicruridae				
72.	24443 <i>Grallina cyanoleuca (Magpie-lark)</i>			
73.	25614 <i>Rhipidura leucophrys (Willie Wagtail)</i>			
Diplodactylidae				
74.	24919 <i>Crenadactylus ocellatus subsp. horni (Clawless Gecko)</i>			
75.	25231 <i>Diplodactylus klugei</i>			
76.	42415 <i>Lucasium squarrosum</i>			
77.	24982 <i>Rhynchoedura ornata (Western Beaked Gecko)</i>			
Elapidae				
78.	25261 <i>Pseudechis australis (Mulga Snake)</i>			
79.	42416 <i>Pseudonaja mengdeni (Western Brown Snake)</i>			
80.	25263 <i>Pseudonaja modesta (Ringed Brown Snake)</i>			
81.	25269 <i>Suta fasciata (Rosen's Snake)</i>			
Estrilidae				
82.	30870 <i>Taeniopygia guttata (Zebra Finch)</i>			
Euphorbiaceae				
83.	34236 <i>Beyeria cinerea subsp. cinerea</i>		P3	
Fabaceae				
84.	13500 <i>Acacia coriacea subsp. coriacea</i>			
85.	3280 <i>Acacia cuspidifolia (Bohemia)</i>			
86.	3356 <i>Acacia gregorii (Gregory's Wattle)</i>			
87.	19483 <i>Acacia ramulosa var. linophylla</i>			
88.	13078 <i>Acacia sclerosperma subsp. sclerosperma</i>			
89.	3549 <i>Acacia spathulifolia</i>			
90.	13076 <i>Acacia startii</i>		P3	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
91.	3577 <i>Acacia tetragonophylla</i> (Kurara, Wakalpuka)			
92.	3606 <i>Acacia xiphophylla</i>			
93.	17117 <i>Cullen cinereum</i>			
94.	11367 <i>Daviesia benthamii</i> subsp. <i>benthamii</i>			
95.	3664 <i>Labichea cassioides</i>			
96.	16489 <i>Leptosema macrocarpum</i>			
97.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
98.	12312 <i>Senna notabilis</i>			
99.	4242 <i>Swainsona pterostylis</i>			
Falconidae				
100.	25621 <i>Falco berigora</i> (Brown Falcon)			
101.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
Frankeniaceae				
102.	5209 <i>Frankenia pauciflora</i> (Seaheath)			
Gekkonidae				
103.	24956 <i>Gehyra pilbara</i>			
104.	24959 <i>Gehyra variegata</i>			
105.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Geraniaceae				
106.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Goodeniaceae				
107.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
108.	7501 <i>Goodenia corynocarpa</i>			
109.	7608 <i>Scaevola cunninghamii</i>			
Haematopodidae				
110.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
Hirundinidae				
111.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Kyphosidae				
112.	<i>Kyphosus cornelii</i>			
Lamiaceae				
113.	41061 <i>Quoya paniculata</i>			
Limnodynastidae				
114.	25428 <i>Neobatrachus wilsmorei</i> (Plonking Frog)			
Maluridae				
115.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
116.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
117.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
118.	43022 <i>Hibiscus</i> sp. <i>Gardneri</i> (A.L. Payne PRP 1435)			
119.	4960 <i>Lawrencia viridigrisea</i>			
Meliphagidae				
120.	24564 <i>Certhionyx variegatus</i> (Pied Honeyeater)			
121.	24568 <i>Epthianura aurifrons</i> (Orange Chat)			
122.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
123.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
124.	42310 <i>Sugomel niger</i> (Black Honeyeater)			
Myrtaceae				
125.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
126.	33519 <i>Eucalyptus baiophylla</i>			
127.	13018 <i>Eucalyptus mannensis</i> subsp. <i>vespertina</i>			
128.	6010 <i>Pileanthus limacis</i> (Coastal Coppercups)			
129.	6051 <i>Thryptomene baeckeeacea</i>			
130.	44710 <i>Thryptomene dampieri</i>			
Otididae				
131.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
Pachycephalidae				
132.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
Pelecanidae				
133.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Phalacrocoracidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
134.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
Physciaceae				
135.	28020 <i>Pyxine petricola</i>			
Plumbaginaceae				
136.	6490 <i>Muellerolimon salicorniaceum</i>			
Poaceae				
137.	378 <i>Eragrostis dielsii</i> (Mallee Lovegrass)			
138.	399 <i>Eragrostis xerophila</i> (Knotty-butt Neverfail)			
139.	458 <i>Isellema dolichotrichum</i>			
140.	514 <i>Paractaenum refractum</i>			
141.	606 <i>Setaria dielsii</i> (Diels' Pigeon Grass)			
142.	679 <i>Triodia angusta</i>			
143.	13131 <i>Triodia epactia</i>			
144.	17873 <i>Triodia schinzii</i>			
Podicipedidae				
145.	24681 <i>Poliiocephalus poliocephalus</i> (Hoary-headed Grebe)			
Pomacanthidae				
146.	<i>Pomacanthus imperator</i>			
Proteaceae				
147.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kaliny)			
148.	15686 <i>Grevillea variifolia</i> subsp. <i>bundera</i>			
149.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psittacidae				
150.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
151.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
152.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Psoraceae				
153.	28000 <i>Psora decipiens</i>			
Recurvirostridae				
154.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
155.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
Rubiaceae				
156.	18256 <i>Opercularia spermacoea</i>			
Ruppiaceae				
157.	116 <i>Ruppia polycarpa</i>			
Sapindaceae				
158.	11487 <i>Alectryon oleifolius</i> subsp. <i>oleifolius</i>			
159.	11669 <i>Diplopeltis intermedia</i> var. <i>intermedia</i>			
Scaridae				
160.	<i>Scarus n. sp.</i>			
Scincidae				
161.	25052 <i>Ctenotus leonhardii</i>			
162.	25075 <i>Ctenotus severus</i>			
163.	25092 <i>Egernia depressa</i> (Southern Pygmy Spiny-tailed Skink)			
164.	25109 <i>Eremiascincus richardsonii</i> (Broad-banded Sand Swimmer)			
165.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
166.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
167.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
168.	25184 <i>Menetia greyii</i>			
Scolopendridae				
169.	<i>Scolopendra laeta</i>			
Scrophulariaceae				
170.	17576 <i>Eremophila latrobei</i> subsp. <i>latrobei</i>			
171.	7234 <i>Eremophila longifolia</i> (Berrigan, Tulypurpa)			
172.	16734 <i>Eremophila mackinlayi</i> subsp. <i>mackinlayi</i>			
173.	15170 <i>Eremophila pterocarpa</i> subsp. <i>pterocarpa</i>			
174.	16040 <i>Eremophila youngii</i> subsp. <i>lepidota</i>			P4
Solanaceae				
175.	6962 <i>Datura leichhardtii</i> (Native Thornapple)	Y		
176.	42544 <i>Solanum elatius</i>			
177.	7036 <i>Solanum sturtianum</i> (Thargomindah Nightshade)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Surianaceae				
178.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
Sylviidae				
179.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
180.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
Varanidae				
181.	25211 <i>Varanus caudolineatus</i>			
182.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
Verrucariaceae				
183.	27984 <i>Placidium squamulosum</i>			
Vespertilionidae				
184.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
Zygophyllaceae				
185.	4390 <i>Zygophyllum fruticosum</i> (Shrubby Twinleaf)			
186.	17277 <i>Zygophyllum lobulatum</i>			
187.	4395 <i>Zygophyllum retivalve</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:29:58

[Summary](#)

[Details](#)

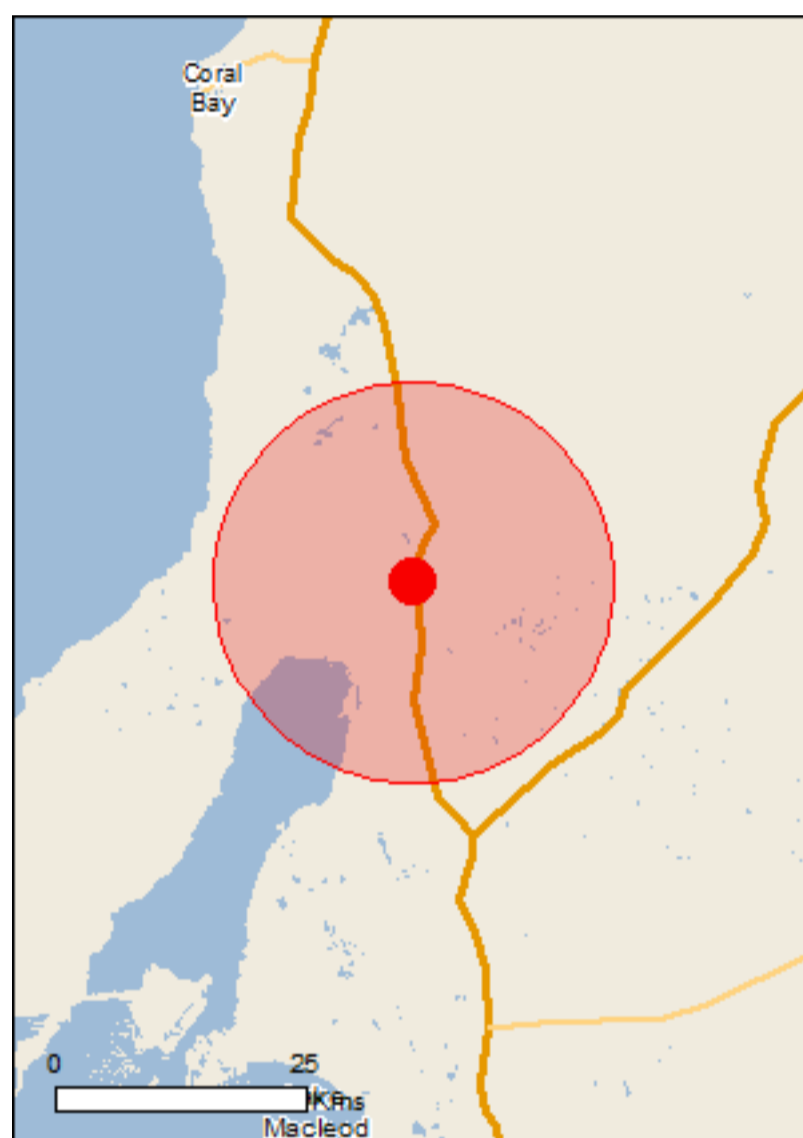
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

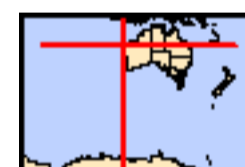
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	2
Listed Migratory Species:	9

Other Matters Protected by the EPBC Act

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

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

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	10
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	8
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Mammals		
Rhinonictis aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area
Plants		
Pityrodia augustensis Mt Augustus Foxglove [4962]	Vulnerable	Species or species habitat likely to occur within area

Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area

Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area

Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species

Name	Threatened	Type of Presence
Pandion cristatus Eastern Osprey [82411]		habitat may occur within area Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area

Extra Information

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 Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Nationally Important Wetlands

[\[Resource Information \]](#)

Name	State
Lake MacLeod	WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-23.54437 113.96266

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 25.4

Created By Guest user on 12/08/2015

Current Names Only Yes
 Core Datasets Only Yes
 Method 'By Circle'
 Centre 113°57' 58" E,23°32' 02" S
 Buffer 20km
 Group By Family

Family	Species	Records
Acanthaceae	2	2
Acanthizidae	1	1
Accipitridae	3	5
Actinopodidae	1	1
Agamidae	6	32
Alaudidae	1	1
Amaranthaceae	5	5
Anatidae	6	9
Araneidae	1	1
Ardeidae	1	1
Artamidae	1	3
Asparagaceae	2	4
Asteraceae	10	13
Boidae	1	1
Brassicaceae	1	1
Campephagidae	2	3
Carphodactylidae	1	1
Casuariidae	1	3
Charadriidae	2	4
Chenopodiaceae	12	14
Cinclosomatidae	1	2
Columbidae	3	5
Corvidae	2	4
Cracticidae	2	3
Cuculidae	2	3
Cyperaceae	1	1
Dicruridae	2	8
Diplodactylidae	2	3
Elapidae	4	6
Estrilidae	1	7
Euphorbiaceae	1	1
Fabaceae	16	22
Falconidae	2	7
Frankeniaceae	1	1
Gekkonidae	3	16
Geraniaceae	1	1
Goodeniaceae	3	5
Haematopodidae	1	1
Hirundinidae	1	1
Kyphosidae	1	1
Lamiaceae	1	1
Limnodynastidae	1	1
Maiuridae	2	4
Malvaceae	3	4
Meliphagidae	5	7
Myrtaceae	6	9
Otididae	1	1
Pachycephalidae	1	2
Pelecanidae	1	2
Phalacrocoracidae	1	1
Physciaceae	1	2
Plumbaginaceae	1	1
Poaceae	7	9
Podicipedidae	1	2
Pomacanthidae	1	1
Proteaceae	3	5
Psittacidae	3	6
Psoraceae	1	3
Recurvirostridae	2	4
Rubiaceae	1	1
Ruppiaceae	1	1
Sapindaceae	2	2
Scaridae	1	1
Scincidae	7	22
Scolopendridae	1	2
Scrophulariaceae	6	6
Solanaceae	3	3
Surianaceae	1	1
Sylviidae	2	7
Varanidae	2	3
Verrucariaceae	1	1
Vespertilionidae	1	2
Zygophyllaceae	3	3
TOTAL	184	323

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
2.	7164 <i>Dicladanthera forrestii</i>			
Acanthizidae				
3.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
Accipitridae				
4.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
5.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
Actinopodidae				
7.	<i>Missulena occatoria</i>			
Agamidae				
8.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
9.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
10.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
11.	24889 <i>Ctenophorus scutulatus</i> (Lozenge-marked Dragon)			
12.	24904 <i>Moloch horridus</i> (Thorny Devil)			
13.	24907 <i>Pogona minor subsp. minor</i> (Dwarf Bearded Dragon)			
Alaudidae				
14.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
15.	2692 <i>Ptilotus alexandri</i>		P2	
16.	11708 <i>Ptilotus gomphrenoides</i> var. <i>conglomeratus</i>			
17.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (Yellow Tails)			
18.	2766 <i>Ptilotus villosiflorus</i>			
19.	43203 <i>Surreya diandra</i>			
Anatidae				
20.	24312 <i>Anas gracilis</i> (Grey Teal)			
21.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
22.	24318 <i>Aythya australis</i> (Hardhead)			
23.	24322 <i>Cygnus atratus</i> (Black Swan)			
24.	24326 <i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
25.	24331 <i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
Araneidae				
26.	<i>Argiope protensa</i>			
Ardeidae				
27.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
Artamidae				
28.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
Asparagaceae				
29.	1211 <i>Acanthocarpus verticillatus</i>			
30.	1311 <i>Murchisonia volubilis</i>			
Asteraceae				
31.	7822 <i>Angianthus acrohyalinus</i> (Hook-leaf Angianthus)			
32.	7881 <i>Brachyscome oncocarpa</i>			
33.	7893 <i>Calocephalus knappii</i>			
34.	7922 <i>Cephalopterum drummondii</i> (Pompom Head)			
35.	7951 <i>Cratystylis subspinescens</i> (Australian Sage, Spiny Grey Bush)			
36.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
37.	8168 <i>Pluchea rubelliflora</i>			
38.	13242 <i>Rhodanthe chlorocephala</i> subsp. <i>splendida</i>			
39.	13285 <i>Schoenia ayersii</i>			
40.	8238 <i>Streptoglossa liatroides</i>			
Boidae				
41.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
Brassicaceae				
42.	3029 <i>Lepidium linifolium</i>			
Campephagidae				
43.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
44.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (Black-faced Cuckoo-shrike)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Carphodactylidae				
45.	24968 <i>Nephurus levis subsp. occidentalis</i>			
Casuariidae				
46.	24470 <i>Dromaius novaehollandiae (Emu)</i>			
Charadriidae				
47.	24377 <i>Charadrius ruficapillus (Red-capped Plover)</i>			
48.	24379 <i>Erythrogonys cinctus (Red-kneed Dotterel)</i>			
Chenopodiaceae				
49.	2450 <i>Atriplex amnicola (Swamp Saltbush)</i>			
50.	2453 <i>Atriplex codonocarpa (Flat-topped Saltbush)</i>			
51.	2459 <i>Atriplex holocarpa (Pop Saltbush)</i>			
52.	2476 <i>Atriplex semilunaris (Annual Saltbush)</i>			
53.	2499 <i>Dissocarpus paradoxus (Curious Saltbush)</i>			
54.	2504 <i>Dysphania plantaginella</i>			
55.	2573 <i>Neobassia astrocarpa</i>			
56.	31918 <i>Tecticornia doleiformis (Samphire)</i>			
57.	33236 <i>Tecticornia halocnemoides (Shrubby Samphire)</i>			
58.	31674 <i>Tecticornia peltata</i>			
59.	33220 <i>Tecticornia pterygosperma subsp. denticulata</i>			
60.	2644 <i>Threlkeldia diffusa (Coast Bonefruit)</i>			
Cinclosomatidae				
61.	24390 <i>Psophodes occidentalis (Western Wedgebill, Chiming Wedgebill)</i>			
Columbidae				
62.	24401 <i>Geopelia cuneata (Diamond Dove)</i>			
63.	25585 <i>Geopelia striata (Zebra Dove)</i>			
64.	24407 <i>Ocyphaps lophotes (Crested Pigeon)</i>			
Corvidae				
65.	24416 <i>Corvus bennetti (Little Crow)</i>			
66.	25593 <i>Corvus orru (Torresian Crow)</i>			
Cracticidae				
67.	24420 <i>Cracticus nigrogularis (Pied Butcherbird)</i>			
68.	25595 <i>Cracticus tibicen (Australian Magpie)</i>			
Cuculidae				
69.	42307 <i>Cacomantis pallidus (Pallid Cuckoo)</i>			
70.	24431 <i>Chrysococcyx basalis (Horsfield's Bronze Cuckoo)</i>			
Cyperaceae				
71.	777 <i>Cyperus bulbosus (Bush Onion, Tjanmata)</i>			
Dicruridae				
72.	24443 <i>Grallina cyanoleuca (Magpie-lark)</i>			
73.	25614 <i>Rhipidura leucophrys (Willie Wagtail)</i>			
Diplodactylidae				
74.	24919 <i>Crenadactylus ocellatus subsp. horni (Clawless Gecko)</i>			
75.	25231 <i>Diplodactylus klugei</i>			
Elapidae				
76.	25261 <i>Pseudechis australis (Mulga Snake)</i>			
77.	42416 <i>Pseudonaja mengdeni (Western Brown Snake)</i>			
78.	25263 <i>Pseudonaja modesta (Ringed Brown Snake)</i>			
79.	25269 <i>Suta fasciata (Rosen's Snake)</i>			
Estrilidae				
80.	30870 <i>Taeniopygia guttata (Zebra Finch)</i>			
Euphorbiaceae				
81.	34236 <i>Beyeria cinerea subsp. cinerea</i>		P3	
Fabaceae				
82.	13500 <i>Acacia coriacea subsp. coriacea</i>			
83.	3280 <i>Acacia cuspidifolia (Bohemia)</i>			
84.	3356 <i>Acacia gregorii (Gregory's Wattle)</i>			
85.	19483 <i>Acacia ramulosa var. linophylla</i>			
86.	13078 <i>Acacia sclerosperma subsp. sclerosperma</i>			
87.	3549 <i>Acacia spathulifolia</i>			
88.	13076 <i>Acacia startii</i>		P3	
89.	3577 <i>Acacia tetragonophylla (Kurara, Wakalpuka)</i>			
90.	3606 <i>Acacia xiphophylla</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
91.	17117 <i>Cullen cinereum</i>			
92.	11367 <i>Daviesia benthamii</i> subsp. <i>benthamii</i>			
93.	3664 <i>Labichea cassioides</i>			
94.	16489 <i>Leptosema macrocarpum</i>			
95.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
96.	12312 <i>Senna notabilis</i>			
97.	4242 <i>Swainsona pterostylis</i>			
Falconidae				
98.	25621 <i>Falco berigora</i> (Brown Falcon)			
99.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
Frankeniaceae				
100.	5209 <i>Frankenia pauciflora</i> (Seaheath)			
Gekkonidae				
101.	24956 <i>Gehyra pilbara</i>			
102.	24959 <i>Gehyra variegata</i>			
103.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Geraniaceae				
104.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Goodeniaceae				
105.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
106.	7501 <i>Goodenia corynocarpa</i>			
107.	7608 <i>Scaevola cunninghamii</i>			
Haematopodidae				
108.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
Hirundinidae				
109.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Kyphosidae				
110.	<i>Kyphosus cornelii</i>			
Lamiaceae				
111.	6827 <i>Spartothamnella teucriflora</i>			
Limnodynastidae				
112.	25428 <i>Neobatrachus wilsmorei</i> (Plonking Frog)			
Maluridae				
113.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
114.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
115.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
116.	43022 <i>Hibiscus</i> sp. <i>Gardneri</i> (A.L. Payne PRP 1435)			
117.	4960 <i>Lawrenia viridigrisea</i>			
Meliphagidae				
118.	24564 <i>Certhionyx variegatus</i> (Pied Honeyeater)			
119.	24568 <i>Epthianura aurifrons</i> (Orange Chat)			
120.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
121.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
122.	42310 <i>Sugomel niger</i> (Black Honeyeater)			
Myrtaceae				
123.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
124.	33519 <i>Eucalyptus baiophylla</i>			
125.	13018 <i>Eucalyptus mannensis</i> subsp. <i>vespertina</i>			
126.	6010 <i>Pileanthus limacis</i> (Coastal Coppercups)			
127.	6051 <i>Thryptomene baeckeacea</i>			
128.	44710 <i>Thryptomene dampieri</i>			
Otididae				
129.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
Pachycephalidae				
130.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
Pelecanidae				
131.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Phalacrocoracidae				
132.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Physciaceae				
133.	28020 <i>Pyxine petricola</i>			
Plumbaginaceae				
134.	6490 <i>Muellerolimon salicorniaceum</i>			
Poaceae				
135.	378 <i>Eragrostis dielsii</i> (Mallee Lovegrass)			
136.	399 <i>Eragrostis xerophila</i> (Knotty-butt Neverfail)			
137.	458 <i>Iseilema dolichotrichum</i>			
138.	606 <i>Setaria dielsii</i> (Diels' Pigeon Grass)			
139.	679 <i>Triodia angusta</i>			
140.	13131 <i>Triodia epactia</i>			
141.	17873 <i>Triodia schinzii</i>			
Podicipedidae				
142.	24681 <i>Poliocephalus poliocephalus</i> (Hoary-headed Grebe)			
Pomacanthidae				
143.	<i>Pomacanthus imperator</i>			
Proteaceae				
144.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kaliny)			
145.	15686 <i>Grevillea variifolia</i> subsp. <i>bundera</i>			
146.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psittacidae				
147.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
148.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
149.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Psoraceae				
150.	28000 <i>Psora decipiens</i>			
Recurvirostridae				
151.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
152.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
Rubiaceae				
153.	18256 <i>Opercularia spermacocea</i>			
Ruppiaceae				
154.	116 <i>Ruppia polycarpa</i>			
Sapindaceae				
155.	11487 <i>Alectryon oleifolius</i> subsp. <i>oleifolius</i>			
156.	11669 <i>Diplopeltis intermedia</i> var. <i>intermedia</i>			
Scaridae				
157.	<i>Scarus n. sp.</i>			
Scincidae				
158.	25052 <i>Ctenotus leonhardii</i>			
159.	25075 <i>Ctenotus severus</i>			
160.	25092 <i>Egernia depressa</i> (Southern Pygmy Spiny-tailed Skink)			
161.	25109 <i>Eremiascincus richardsonii</i> (Broad-banded Sand Swimmer)			
162.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
163.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
164.	25184 <i>Menetia greyii</i>			
Scolopendridae				
165.	<i>Scolopendra laeta</i>			
Scrophulariaceae				
166.	17576 <i>Eremophila latrobei</i> subsp. <i>latrobei</i>			
167.	7234 <i>Eremophila longifolia</i> (Berrigan, Tulypurpa)			
168.	16734 <i>Eremophila mackinlayi</i> subsp. <i>mackinlayi</i>			
169.	15170 <i>Eremophila pterocarpa</i> subsp. <i>pterocarpa</i>			
170.	16733 <i>Eremophila setacea</i>			
171.	16040 <i>Eremophila youngii</i> subsp. <i>lepidota</i>			P4
Solanaceae				
172.	6962 <i>Datura leichhardtii</i> (Native Thornapple)	Y		
173.	42544 <i>Solanum elatius</i>			
174.	7036 <i>Solanum sturtianum</i> (Thargomindah Nightshade)			
Surianaceae				
175.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Sylviidae				
176.	24833			<i>Cincloramphus cruralis</i> (Brown Songlark)
177.	24834			<i>Cincloramphus mathewsi</i> (Rufous Songlark)
Varanidae				
178.	25211			<i>Varanus caudolineatus</i>
179.	25218			<i>Varanus gouldii</i> (Bungarra or Sand Monitor)
Verrucariaceae				
180.	27984			<i>Placidium squamulosum</i>
Vespertilionidae				
181.	24194			<i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)
Zygophyllaceae				
182.	4390			<i>Zygophyllum fruticosum</i> (Shrubby Twinleaf)
183.	17277			<i>Zygophyllum lobulatum</i>
184.	4395			<i>Zygophyllum retivalve</i>

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:30:28

[Summary](#)

[Details](#)

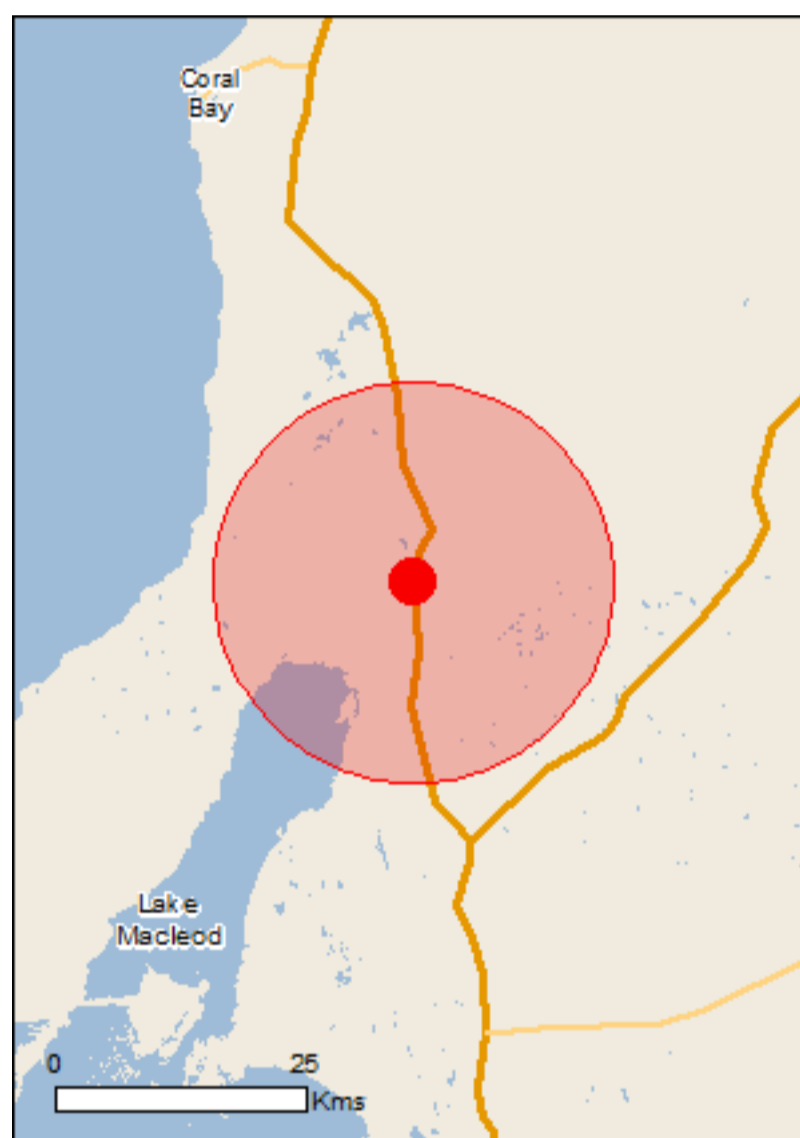
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

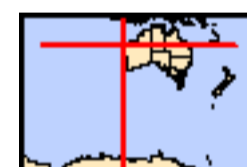
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

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:	None
Listed Threatened Species:	2
Listed Migratory Species:	9

Other Matters Protected by the EPBC Act

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

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

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	10
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	8
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
------	--------	------------------

Mammals

Rhinonicteris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area
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Plants

Pityrodia augustensis Mt Augustus Foxglove [4962]	Vulnerable	Species or species habitat likely to occur within area
--	------------	--

Listed Migratory Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
------	------------	------------------

Migratory Marine Birds

Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
---	--	--

Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
--	--	--

Migratory Terrestrial Species

Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
---	--	--

Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
---	--	--

Migratory Wetlands Species

Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
--	--	--

Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
--	--	--

Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
--	--	--

Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
--	--	--

Name	Threatened	Type of Presence
Pandion cristatus Eastern Osprey [82411]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		

Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
---	--	--

Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
--	--	--

Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
--	--	--

Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
--	--	--

Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
--	--	--

Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
---	--	--

Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
---	--	--

Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
---	--	--

Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
---	--	--

Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
--	--	--

Extra Information

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 Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
Nationally Important Wetlands		
[Resource Information]		
Name		State
Lake MacLeod		WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-23.54004 113.96421

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 116.3

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 113°56' 41" E, 22°47' 44" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	1	1
Acanthizidae	1	6
Accipitridae	4	5
Aegothelidae	1	1
Agamidae	10	41
Alaudidae	1	2
Amaranthaceae	5	8
Apocynaceae	1	1
Araneidae	1	1
Artamidae	1	1
Asteraceae	4	6
Barychelidae	1	1
Boraginaceae	3	4
Buthidae	1	1
Campephagidae	1	2
Capparaceae	1	1
Carphodactylidae	2	6
Casuariidae	1	3
Caulerpaceae	1	1
Charadriidae	1	1
Chenopodiaceae	3	3
Cinclosomatidae	1	2
Columbidae	3	5
Corallinaceae	1	1
Corvidae	1	2
Cracticidae	1	2
Cucurbitaceae	1	1
Cymodoceaceae	1	1
Dicaeidae	1	1
Dicruridae	1	3
Dictyotaceae	1	1
Diplodactylidae	5	17
Elapidae	3	6
Estrilidae	1	2
Euphorbiaceae	4	5
Fabaceae	15	30
Falconidae	2	7
Galaxauraceae	1	1
Gekkonidae	2	3
Goodeniaceae	6	12
Gyrostemonaceae	1	1
Halimedeaceae	1	1
Haloragaceae	1	1
Hemerocallidaceae	2	2
Hirundinidae	1	1
Hypneaceae	1	1
Lamiaceae	1	2
Loranthaceae	1	2
Macropodidae	1	1
Maluridae	2	6
Malvaceae	4	9
Meliphagidae	1	3
Muridae	1	1
Myrtaceae	7	18
Orobanchaceae	1	1
Otididae	1	2
Pachycephalidae	1	2
Poaceae	7	9
Polygalaceae	1	1
Pomatostomidae	1	1
Proteaceae	1	4
Psittacidae	2	4
Pygopodidae	4	15
Rhincodontidae	1	1
Rhizophyllidaceae	1	1
Sapindaceae	1	4
Scincidae	24	163
Scolopendridae	1	1
Scrophulariaceae	1	1
Scytosiphonaceae	2	2
Solanaceae	1	1
Sylviidae	2	6
Turnicidae	1	1
Udoteaceae	1	1
Varanidae	3	4
Zygophyllaceae	1	1

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladantha forrestii</i>			
Acanthizidae				
2.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
Accipitridae				
3.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
4.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
5.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
6.	25542 <i>Milvus migrans</i> (Black Kite)			
Aegothelidae				
7.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
Agamidae				
8.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
9.	24868 <i>Ctenophorus clayi</i> (Collared Dragon)			
10.	24872 <i>Ctenophorus femoralis</i> (Dune Dragon)			
11.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
12.	24877 <i>Ctenophorus maculatus</i> subsp. <i>badius</i> (Spotted Military Dragon)			
13.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
14.	30897 <i>Ctenophorus parviceps</i> (Western Heath Dragon, Northern Heath Dragon)			
15.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
16.	42400 <i>Diporiphora adductus</i> (Carnarvon Dragon)			
17.	24904 <i>Moloch horridus</i> (Thorny Devil)			
Alaudidae				
18.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
19.	2694 <i>Ptilotus appendiculatus</i>			
20.	2699 <i>Ptilotus axillaris</i> (Mat Mulla Mulla)			
21.	2717 <i>Ptilotus divaricatus</i> (Climbing Mulla Mulla)			
22.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
23.	2738 <i>Ptilotus latifolius</i> (Tangled Mulla Mulla)			
Apocynaceae				
24.	12949 <i>Marsdenia australis</i>			
Araneidae				
25.	<i>Cyrtobill darwini</i>			
Artamidae				
26.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
Asteraceae				
27.	42024 <i>Olearia</i> sp. Kennedy Range (G. Byrne 66)			
28.	13285 <i>Schoenia ayersii</i>			
29.	8200 <i>Schoenia cassiniana</i> (<i>Schoenia</i>)			
30.	8235 <i>Streptoglossa bubakii</i>			
Barychelidae				
31.	<i>Idiommata blackwalli</i>			
Boraginaceae				
32.	29840 <i>Halgania cyanea</i> var. <i>Allambi Strn</i> (B.W. Strong 676)			
33.	6705 <i>Heliotropium crispatum</i>			
34.	17305 <i>Heliotropium glanduliferum</i>			
Buthidae				
35.	<i>Urodacus hartmeyeri</i>			
Campephagidae				
36.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
Capparaceae				
37.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
Carphodactylidae				
38.	25497 <i>Nephrurus levis</i>			
39.	24968 <i>Nephrurus levis</i> subsp. <i>occidentalis</i>			
Casuariidae				
40.	24470 <i>Dromaius novaehollandiae</i> (Emu)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Caulerpaceae				
41.	26577 <i>Caulerpa sertularioides</i>			
Charadriidae				
42.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
Chenopodiaceae				
43.	2547 <i>Maireana lanosa</i> (Woolly Bluebush)			
44.	2582 <i>Rhagodia eremaea</i> (Thorny Saltbush)			
45.	11240 <i>Rhagodia preissii</i> subsp. <i>obovata</i>			
Cinclosomatidae				
46.	24390 <i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Columbidae				
47.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
48.	25585 <i>Geopelia striata</i> (Zebra Dove)			
49.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Corallinaceae				
50.	13141 <i>Haliptilon roseum</i>			
Corvidae				
51.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
52.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
Cucurbitaceae				
53.	7378 <i>Momordica balsamina</i> (Balsam Apple)	Y		
Cymodoceaceae				
54.	126 <i>Amphibolis antarctica</i> (Sea Nymph)			
Dicaeidae				
55.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae				
56.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
Dictyotaceae				
57.	27043 <i>Lobophora variegata</i>			
Diplodactylidae				
58.	24919 <i>Crenadactylus ocellatus</i> subsp. <i>horni</i> (Clawless Gecko)			
59.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
60.	25231 <i>Diplodactylus klugei</i>			
61.	24941 <i>Strophurus rankini</i>			
62.	24946 <i>Strophurus strophurus</i>			
Elapidae				
63.	25331 <i>Brachyuropis approximans</i> (North-western Shovel-nosed Snake)			
64.	25248 <i>Neelaps bimaculatus</i> (Black-naped Snake)			
65.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
Estrilidae				
66.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
67.	4583 <i>Adriana tomentosa</i>			
68.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
69.	4644 <i>Euphorbia sharkoensis</i>			
70.	42879 <i>Euphorbia trigonosperma</i>			
Fabaceae				
71.	3241 <i>Acacia bivenosa</i>			
72.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
73.	3549 <i>Acacia spathulifolia</i>			
74.	13076 <i>Acacia startii</i>			
75.	3749 <i>Canavalia rosea</i> (Wild Jack Bean)		P3	
76.	17118 <i>Cullen leucanthum</i>			
77.	11367 <i>Daviesia benthamii</i> subsp. <i>benthamii</i>			
78.	3989 <i>Isotropis atropurpurea</i> (Poison Sage)			
79.	3664 <i>Labichea cassioides</i>			
80.	16489 <i>Leptosema macrocarpum</i>			
81.	3674 <i>Petalostylis cassioides</i>			
82.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
83.	12280 <i>Senna artemisioides</i> subsp. <i>oligophylla</i>			
84.	12305 <i>Senna glutinosa</i> subsp. <i>chatelainiana</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
85.	4242 <i>Swainsona pterostylis</i>			
Falconidae				
86.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
87.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Galaxauraceae				
88.	26635 <i>Galaxaura rugosa</i>			
Gekkonidae				
89.	24959 <i>Gehyra variegata</i>			
90.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Goodeniaceae				
91.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
92.	12517 <i>Goodenia cusackiana</i>			
93.	7556 <i>Goodenia tenuiloba</i>			
94.	7588 <i>Lechenaultia subcymosa</i> (Wide-branching Leschenaultia)			
95.	7608 <i>Scaevola cunninghamii</i>			
96.	7660 <i>Velleia glabrata</i> (Pee the Bed)			
Gyrostemonaceae				
97.	2778 <i>Codonocarpus cotinifolius</i> (Native Poplar, Kundurangu)			
Halimedaceae				
98.	26891 <i>Halimeda cylindracea</i>			
Haloragaceae				
99.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
Hemerocallidaceae				
100.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
101.	1360 <i>Tricoryne corynothecoides</i>			
Hirundinidae				
102.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Hypneaceae				
103.	26970 <i>Hypnea pannosa</i>			
Lamiaceae				
104.	41063 <i>Quoya loxocarpa</i>			
Loranthaceae				
105.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
Macropodidae				
106.	24136 <i>Macropus rufus</i> (Red Kangaroo, Marlu)			
Maluridae				
107.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
108.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
109.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
110.	4907 <i>Alyogyne pinoniana</i> (Sand Hibiscus)			
111.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
112.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
Meliphagidae				
113.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
Muridae				
114.	24224 <i>Notomys alexis</i> (Spinifex Hopping-mouse)			
Myrtaceae				
115.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
116.	5654 <i>Eucalyptus fruticosa</i>			
117.	14548 <i>Eucalyptus victrix</i>			
118.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
119.	18260 <i>Pileanthus septentrionalis</i>			
120.	44710 <i>Thryptomene dampieri</i>			
121.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Orobanchaceae				
122.	7103 <i>Striga curviflora</i>			
Otididae				
123.	24610 <i>Ardeotis australis</i> (Australian Bustard)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Pachycephalidae				
124.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
Poaceae				
125.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
126.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
127.	275 <i>Chrysopogon pallidus</i> (Ribbongrass)			
128.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
129.	673 <i>Themeda triandra</i>			
130.	680 <i>Triodia basedowii</i> (Lobed Spinifex)			
131.	13131 <i>Triodia epactia</i>			
Polygalaceae				
132.	41365 <i>Polygala glaucifolia</i>			
Pomatostomidae				
133.	25706 <i>Pomatostomus temporalis</i> (Grey-crowned Babbler)			
Proteaceae				
134.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psittacidae				
135.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
136.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Pygopodidae				
137.	24992 <i>Aprasia rostrata</i> (Monte Bello Worm-lizard)		T	
138.	25001 <i>Delma nasuta</i>			
139.	25004 <i>Delma tincta</i>			
140.	25005 <i>Lialis burtonis</i>			
Rhincodontidae				
141.	42358 <i>Rhincodon typus</i> (Whale Shark)		S	
Rhizophyllidaceae				
142.	27186 <i>Portieria hornemannii</i>			
Sapindaceae				
143.	4745 <i>Diplopeltis eriocarpa</i> (Hairy Pepperflower)			
Scincidae				
144.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
145.	25039 <i>Ctenotus fallens</i>			
146.	25044 <i>Ctenotus hanloni</i>			
147.	25046 <i>Ctenotus iapetus</i>			
148.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
149.	25069 <i>Ctenotus rufescens</i>			
150.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
151.	25074 <i>Ctenotus schomburgkii</i>			
152.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
153.	43381 <i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)			
154.	25125 <i>Lerista bipes</i>			
155.	30928 <i>Lerista clara</i>			
156.	25133 <i>Lerista elegans</i>			
157.	25148 <i>Lerista lineopunctulata</i>			
158.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
159.	25161 <i>Lerista petersoni</i> (Phantom Mole Slider, skink)			
160.	25484 <i>Lerista planiventralis</i>			
161.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
162.	25165 <i>Lerista praepedita</i>			
163.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
164.	<i>Liopholis</i> sp.			
165.	25184 <i>Menetia greyii</i>			
166.	25191 <i>Morethia lineocellata</i>			
167.	25197 <i>Notoscincus ornatus</i> subsp. <i>ornatus</i>			
Scolopendridae				
168.	<i>Scolopendra morsitans</i>			
Scrophulariaceae				
169.	7242 <i>Eremophila miniata</i> (Kopi Poverty Bush)			
Scytosiphonaceae				
170.	26694 <i>Colpomenia sinuosa</i>			
171.	26949 <i>Hydroclathrus clathratus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Solanaceae				
172.	7018 <i>Solanum lasiophyllum</i> (Flannel Bush, Mindjulu)			
Sylviidae				
173.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
174.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
Turnicidae				
175.	24851 <i>Turnix velox</i> (Little Button-quail)			
Udoteaceae				
176.	27349 <i>Udotea flabellum</i>			
Varanidae				
177.	25210 <i>Varanus brevicauda</i> (Short-tailed Pygmy Monitor)			
178.	25212 <i>Varanus eremius</i> (Pygmy Desert Monitor)			
179.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
Zygophyllaceae				
180.	4379 <i>Tribulus macrocarpus</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:30:58

[Summary](#)

[Details](#)

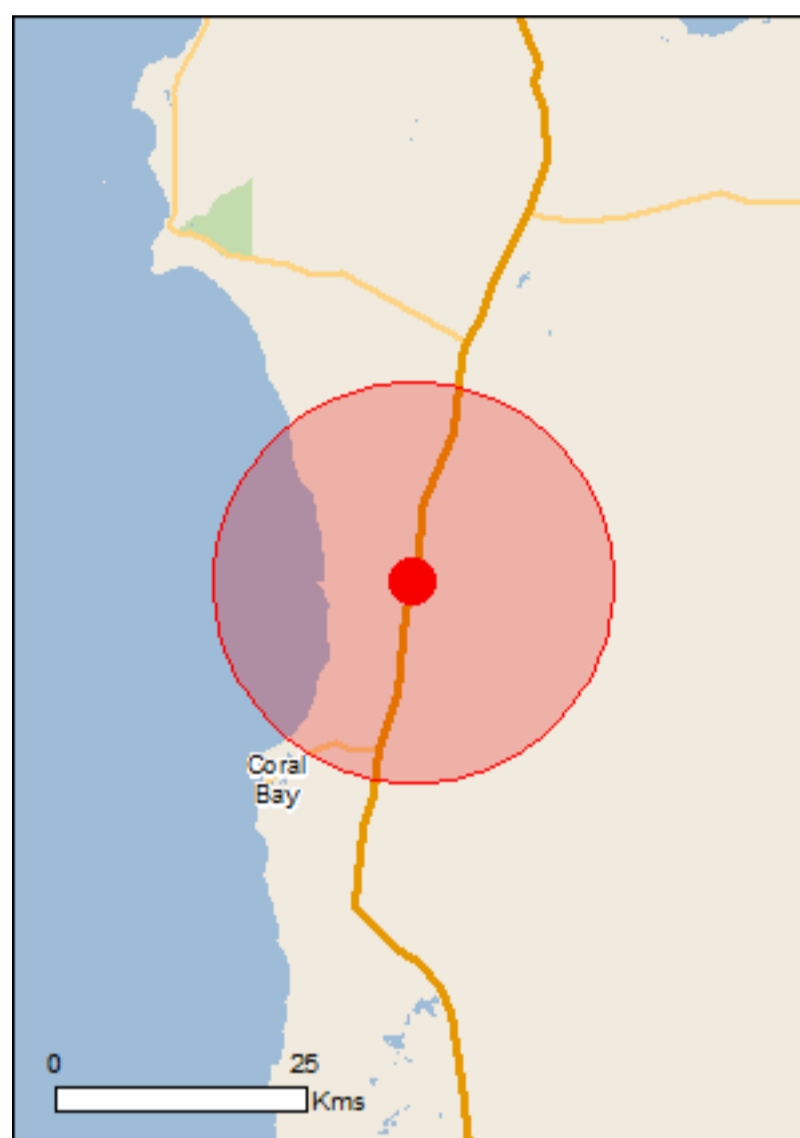
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

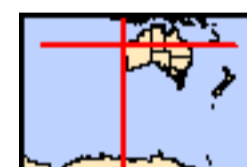
[Acknowledgements](#)



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[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	19
Listed Migratory Species:	27

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	46
Whales and Other Cetaceans:	12
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	9
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties		[Resource Information]
Name	State	Status
The Ningaloo Coast	WA	Declared property

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species

Name	Status	Type of Presence
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Birds		
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	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 melanophris impavida Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area

Mammals

Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat likely to occur within area
Rhinonicteris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area

Reptiles

Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat likely to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area

Name	Status	Type of Presence
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area

Sharks

Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species

[[Resource Information](#)]

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

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area

Migratory Marine Species

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
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area

Name	Threatened	Type of Presence
Dugong dugon Dugong [28]		Breeding known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
Lamna nasus Porbeagle, Mackerel Shark [83288]		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 known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat may occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Pandion cristatus Eastern Osprey [82411]		Species or species habitat known to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [[Resource Information](#)]

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba		
Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis		
Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus		
Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum		
Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica		
Barn Swallow [662]		Species or species habitat may occur within area
Macronectes giganteus		
Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Merops ornatus		
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat known to occur within area
Pterodroma mollis		
Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
Puffinus carneipes		
Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida		
Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Fish		
Bulbonaricus brauni		
Braun's Pughead Pipefish, Pug-headed Pipefish [66189]		Species or species habitat may occur within area
Choeroichthys brachysoma		
Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Choeroichthys suillus Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
Doryrhamphus negrosensis Flagtail Pipefish, Masthead Island Pipefish [66213]		Species or species habitat may occur within area
Festucalex scalaris Ladder Pipefish [66216]		Species or species habitat may occur within area
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area
Halicampus brocki Brock's Pipefish [66219]		Species or species habitat may occur within area
Halicampus spirostris Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
Haliichthys taeniophorus Ribboned Pipehorse, Ribboned Seadragon [66226]		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 histrix Spiny Seahorse, Thorny Seahorse [66236]		Species or species habitat may occur within area
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area
Micrognathus micronotopterus Tidepool Pipefish [66255]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
Solenostomus paegnius Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area
Mammals		
Dugong dugon Dugong [28]		Breeding known to occur within area
Reptiles		

Name	Threatened	Type of Presence
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat likely to occur within area
Aipysurus laevis Olive Seasnake [1120]		Species or species habitat may occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Disteira kingii Spectacled Seasnake [1123]		Species or species habitat may occur within area
Disteira major Olive-headed Seasnake [1124]		Species or species habitat may occur within area
Emydocephalus annulatus Turtle-headed Seasnake [1125]		Species or species habitat may occur within area
Ephalophis greyi North-western Mangrove Seasnake [1127]		Species or species habitat may occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Hydrophis elegans Elegant Seasnake [1104]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Pelamis platurus Yellow-bellied Seasnake [1091]		Species or species habitat may 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
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area

Name	Status	Type of Presence
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat may occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

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 Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
<p>Oryctolagus cuniculus Rabbit, European Rabbit [128]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Vulpes vulpes Red Fox, Fox [18]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Plants</p>		
<p>Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Prosopis spp. Mesquite, Algaroba [68407]</p>		<p>Species or species habitat likely to occur within area</p>

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.97607 113.90481

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 118.2

Created By Guest user on 12/08/2015

Current Names Only Yes
 Core Datasets Only Yes
 Method 'By Circle'
 Centre 113°56' 46" E,22°45' 51" S
 Buffer 20km
 Group By Family

Family	Species	Records
Acanthaceae	2	2
Acanthizidae	1	4
Accipitridae	4	7
Aegothelidae	1	1
Agamidae	10	42
Alaudidae	1	3
Amaranthaceae	5	6
Apocynaceae	1	1
Araneidae	1	1
Artamidae	1	1
Asteraceae	4	6
Barychelidae	1	1
Boraginaceae	4	7
Buthidae	1	1
Campanulaceae	2	2
Campephagidae	1	2
Capparaceae	1	1
Carphodactylidae	2	6
Casuariidae	1	3
Caulerpaceae	1	1
Celastraceae	1	1
Charadriidae	1	1
Chenopodiaceae	2	2
Cinclosomatidae	1	3
Columbidae	3	7
Corallinaceae	1	1
Corvidae	1	2
Cracticidae	1	1
Cuculidae	1	1
Cucurbitaceae	1	1
Cymodoceaceae	1	1
Dicaeidae	1	1
Dicruridae	1	3
Dictyotaceae	1	1
Diplodactylidae	5	17
Elapidae	3	7
Estrilidae	1	2
Euphorbiaceae	2	3
Fabaceae	13	32
Falconidae	2	6
Galaxauraceae	1	1
Gekkonidae	2	3
Goodeniaceae	5	11
Gyrostemonaceae	1	1
Halimedeaceae	1	1
Haloragaceae	1	1
Hemerocallidaceae	2	2
Hypnaceae	1	1
Lamiaceae	1	1
Loranthaceae	1	2
Macropodidae	1	1
Maluridae	2	5
Malvaceae	6	12
Meliphagidae	1	3
Myrtaceae	7	15
Orobanchaceae	1	1
Otididae	1	2
Pachycephalidae	1	2
Poaceae	7	8
Polygalaceae	1	1
Pomatostomidae	1	2
Proteaceae	1	4
Psittacidae	3	5
Pygopodidae	4	15
Rhincodontidae	1	1
Rhizophyllidaceae	1	1
Sapindaceae	1	3
Scincidae	24	162
Scolopendridae	1	1
Scrophulariaceae	1	1
Scytosiphonaceae	2	2
Solanaceae	1	1
Sylviidae	2	6
Turnicidae	1	1
Udoteaceae	1	1
Varanidae	3	4

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladantha forrestii</i>			
2.	11320 <i>Dipteracanthus australasicus subsp. australasicus</i>			
Acanthizidae				
3.	24269 <i>Calamanthus campestris (Rufous Fieldwren)</i>			
Accipitridae				
4.	24285 <i>Aquila audax (Wedge-tailed Eagle)</i>			
5.	24289 <i>Circus assimilis (Spotted Harrier)</i>			
6.	24295 <i>Haliastur sphenurus (Whistling Kite)</i>			
7.	25542 <i>Milvus migrans (Black Kite)</i>			
Aegothelidae				
8.	25544 <i>Aegotheles cristatus (Australian Owlet-nightjar)</i>			
Agamidae				
9.	30833 <i>Amphibolurus longirostris (Long-nosed Dragon)</i>			
10.	24868 <i>Ctenophorus clayi (Collared Dragon)</i>			
11.	24872 <i>Ctenophorus femoralis (Dune Dragon)</i>			
12.	24876 <i>Ctenophorus isolepis subsp. isolepis (Crested Dragon, Military Dragon)</i>			
13.	24877 <i>Ctenophorus maculatus subsp. badius (Spotted Military Dragon)</i>			
14.	24882 <i>Ctenophorus nuchalis (Central Netted Dragon)</i>			
15.	30897 <i>Ctenophorus parviceps (Western Heath Dragon, Northern Heath Dragon)</i>			
16.	24886 <i>Ctenophorus reticulatus (Western Netted Dragon)</i>			
17.	42400 <i>Diporiphora adductus (Carnarvon Dragon)</i>			
18.	24904 <i>Moloch horridus (Thorny Devil)</i>			
Alaudidae				
19.	25545 <i>Mirafra javanica (Horsfield's Bushlark, Singing Bushlark)</i>			
Amaranthaceae				
20.	2694 <i>Ptilotus appendiculatus</i>			
21.	2699 <i>Ptilotus axillaris (Mat Mulla Mulla)</i>			
22.	2717 <i>Ptilotus divaricatus (Climbing Mulla Mulla)</i>			
23.	2731 <i>Ptilotus helipteroides (Hairy Mulla Mulla)</i>			
24.	2738 <i>Ptilotus latifolius (Tangled Mulla Mulla)</i>			
Apocynaceae				
25.	12949 <i>Marsdenia australis</i>			
Araneidae				
26.	<i>Cyrtobill darwini</i>			
Artamidae				
27.	25566 <i>Artamus cinereus (Black-faced Woodswallow)</i>			
Asteraceae				
28.	42024 <i>Olearia sp. Kennedy Range (G. Byrne 66)</i>			
29.	13285 <i>Schoenia ayersii</i>			
30.	8200 <i>Schoenia cassiniana (Schoenia)</i>			
31.	8235 <i>Streptoglossa bubakii</i>			
Barychelidae				
32.	<i>Idiommata blackwallii</i>			
Boraginaceae				
33.	29840 <i>Halgania cyanea var. Allambi Stn (B.W. Strong 676)</i>			
34.	6705 <i>Heliotropium crispatum</i>			
35.	17305 <i>Heliotropium glanduliferum</i>			
36.	6713 <i>Heliotropium ovalifolium</i>			
Buthidae				
37.	<i>Urodacus hartmeyerii</i>			
Campanulaceae				
38.	7390 <i>Wahlenbergia queenslandica</i>			
39.	7393 <i>Wahlenbergia tumidifruca</i>			
Campephagidae				
40.	25568 <i>Coracina novaehollandiae (Black-faced Cuckoo-shrike)</i>			
Capparaceae				
41.	2976 <i>Capparis lasiantha (Split Jack, Balqarda)</i>			
Carphodactylidae				

	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
42.	25497	<i>Nephrurus levis</i>			
43.	24968	<i>Nephrurus levis</i> subsp. <i>occidentalis</i>			
Casuariidae					
44.	24470	<i>Dromaius novaehollandiae</i> (Emu)			
Caulerpaceae					
45.	26577	<i>Caulerpa sertularioides</i>			
Celastraceae					
46.	4736	<i>Stackhousia umbellata</i>		P3	
Charadriidae					
47.	24386	<i>Vanellus tricolor</i> (Banded Lapwing)			
Chenopodiaceae					
48.	2547	<i>Maireana lanosa</i> (Woolly Bluebush)			
49.	2582	<i>Rhagodia eremaea</i> (Thorny Saltbush)			
Cinclosomatidae					
50.	24390	<i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Columbidae					
51.	24401	<i>Geopelia cuneata</i> (Diamond Dove)			
52.	25585	<i>Geopelia striata</i> (Zebra Dove)			
53.	24407	<i>Ocyphaps lophotes</i> (Crested Pigeon)			
Corallinaceae					
54.	13141	<i>Haliptilon roseum</i>			
Corvidae					
55.	25593	<i>Corvus orru</i> (Torresian Crow)			
Cracticidae					
56.	24420	<i>Cracticus nigrogularis</i> (Pied Butcherbird)			
Cuculidae					
57.	42307	<i>Cacomantis pallidus</i> (Pallid Cuckoo)			
Cucurbitaceae					
58.	7378	<i>Momordica balsamina</i> (Balsam Apple)	Y		
Cymodoceaceae					
59.	126	<i>Amphibolis antarctica</i> (Sea Nymph)			
Dicaeidae					
60.	25607	<i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae					
61.	24443	<i>Grallina cyanoleuca</i> (Magpie-lark)			
Dictyotaceae					
62.	27043	<i>Lobophora variegata</i>			
Diplodactylidae					
63.	24919	<i>Crenadactylus ocellatus</i> subsp. <i>horni</i> (Clawless Gecko)			
64.	24926	<i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
65.	25231	<i>Diplodactylus klugei</i>			
66.	24941	<i>Strophurus rankini</i>			
67.	24946	<i>Strophurus strophurus</i>			
Elapidae					
68.	25331	<i>Brachyuropsis approximans</i> (North-western Shovel-nosed Snake)			
69.	25248	<i>Neelaps bimaculatus</i> (Black-naped Snake)			
70.	25261	<i>Pseudechis australis</i> (Mulga Snake)			
Estrilidae					
71.	30870	<i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae					
72.	4583	<i>Adriana tomentosa</i>			
73.	42879	<i>Euphorbia trigonosperma</i>			
Fabaceae					
74.	3241	<i>Acacia bivenosa</i>			
75.	3356	<i>Acacia gregorii</i> (Gregory's Wattle)			
76.	3549	<i>Acacia spathulifolia</i>			
77.	13076	<i>Acacia startii</i>		P3	
78.	19456	<i>Acacia stellaticeps</i>			
79.	3749	<i>Canavalia rosea</i> (Wild Jack Bean)			
80.	17118	<i>Cullen leucanthum</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
81.	3989 <i>Isotropis atropurpurea</i> (Poison Sage)			
82.	3664 <i>Labichea cassioides</i>			
83.	3674 <i>Petalostylis cassioides</i>			
84.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
85.	12305 <i>Senna glutinosa</i> subsp. <i>chatelainiana</i>			
86.	4242 <i>Swainsona pterostylis</i>			
Falconidae				
87.	25621 <i>Falco berigora</i> (Brown Falcon)			
88.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
Galaxauraceae				
89.	26835 <i>Galaxaura rugosa</i>			
Gekkonidae				
90.	24959 <i>Gehyra variegata</i>			
91.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Goodeniaceae				
92.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
93.	12517 <i>Goodenia cusackiana</i>			
94.	7588 <i>Lechenaultia subcymosa</i> (Wide-branching Leschenaultia)			
95.	7608 <i>Scaevola cunninghamii</i>			
96.	7660 <i>Velleia glabrata</i> (Pee the Bed)			
Gyrostemonaceae				
97.	2778 <i>Codonocarpus cotinifolius</i> (Native Poplar, Kundurangu)			
Halimedaceae				
98.	26891 <i>Halimeda cylindracea</i>			
Haloragaceae				
99.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
Hemerocallidaceae				
100.	11636 <i>Dianella revoluta</i> var. <i>divaricata</i>			
101.	1360 <i>Tricoryne corynothecoides</i>			
Hypneaceae				
102.	26970 <i>Hypnea pannosa</i>			
Lamiaceae				
103.	41063 <i>Quoya loxocarpa</i>			
Loranthaceae				
104.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
Macropodidae				
105.	24136 <i>Macropus rufus</i> (Red Kangaroo, Marlu)			
Maluridae				
106.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
107.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
108.	9080 <i>Abutilon cunninghamii</i>			
109.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
110.	4907 <i>Alyogyne pinoniana</i> (Sand Hibiscus)			
111.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
112.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
113.	4942 <i>Hibiscus sturtii</i> (Sturt's Hibiscus)			
Meliphagidae				
114.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
Myrtaceae				
115.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
116.	5654 <i>Eucalyptus fruticosa</i>			
117.	14548 <i>Eucalyptus victrix</i>			
118.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
119.	18260 <i>Pileanthus septentrionalis</i>			
120.	44710 <i>Thryptomene dampieri</i>			
121.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Orobanchaceae				
122.	7103 <i>Striga curviflora</i>			
Otididae				
123.	24610 <i>Ardeotis australis</i> (Australian Bustard)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Pachycephalidae				
124.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
Poaceae				
125.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
126.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
127.	275 <i>Chrysopogon pallidus</i> (Ribbongrass)			
128.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
129.	673 <i>Themeda triandra</i>			
130.	680 <i>Triodia basedowii</i> (Lobed Spinifex)			
131.	13131 <i>Triodia epactia</i>			
Polygalaceae				
132.	41365 <i>Polygala glaucifolia</i>			
Pomatostomidae				
133.	25706 <i>Pomatostomus temporalis</i> (Grey-crowned Babbler)			
Proteaceae				
134.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psittacidae				
135.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
136.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
137.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Pygopodidae				
138.	24992 <i>Aprasia rostrata</i> (Monte Bello Worm-lizard)			T
139.	25001 <i>Delma nasuta</i>			
140.	25004 <i>Delma tincta</i>			
141.	25005 <i>Lialis burtonis</i>			
Rhincodontidae				
142.	42358 <i>Rhincodon typus</i> (Whale Shark)			S
Rhizophyllidaceae				
143.	27186 <i>Portieria homemannii</i>			
Sapindaceae				
144.	4745 <i>Diplopeltis eriocarpa</i> (Hairy Pepperflower)			
Scincidae				
145.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
146.	25039 <i>Ctenotus fallens</i>			
147.	25044 <i>Ctenotus hanloni</i>			
148.	25046 <i>Ctenotus iapetus</i>			
149.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
150.	25069 <i>Ctenotus rufescens</i>			
151.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
152.	25074 <i>Ctenotus schomburgkii</i>			
153.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
154.	43381 <i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)			
155.	25125 <i>Lerista bipes</i>			
156.	30928 <i>Lerista clara</i>			
157.	25133 <i>Lerista elegans</i>			
158.	25148 <i>Lerista lineopunctulata</i>			
159.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
160.	25161 <i>Lerista petersoni</i> (Phantom Mole Slider, skink)			
161.	25484 <i>Lerista planiventralis</i>			
162.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
163.	25165 <i>Lerista praepedita</i>			
164.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
165.	<i>Liopholis</i> sp.			
166.	25184 <i>Menetia greyii</i>			
167.	25191 <i>Morethia lineocellata</i>			
168.	25197 <i>Notoscincus ornatus</i> subsp. <i>ornatus</i>			
Scolopendridae				
169.	<i>Scolopendra morsitans</i>			
Scrophulariaceae				
170.	7242 <i>Eremophila miniata</i> (Kopi Poverty Bush)			
Scytosiphonaceae				
171.	26694 <i>Colpomenia sinuosa</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
172.	26949 <i>Hydroclathrus clathratus</i>			
Solanaceae				
173.	7002 <i>Solanum diversiflorum</i>			
Sylviidae				
174.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
175.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
Turnicidae				
176.	24851 <i>Turnix velox</i> (Little Button-quail)			
Udoteaceae				
177.	27349 <i>Udotea flabellum</i>			
Varanidae				
178.	25210 <i>Varanus brevicauda</i> (Short-tailed Pygmy Monitor)			
179.	25212 <i>Varanus eremius</i> (Pygmy Desert Monitor)			
180.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			

Conservation Codes
T - Rare or likely to become extinct
X - Presumed extinct
IA - Protected under international agreement
S - Other specially protected fauna
1 - Priority 1
2 - Priority 2
3 - Priority 3
4 - Priority 4
5 - Priority 5

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:31:17

[Summary](#)

[Details](#)

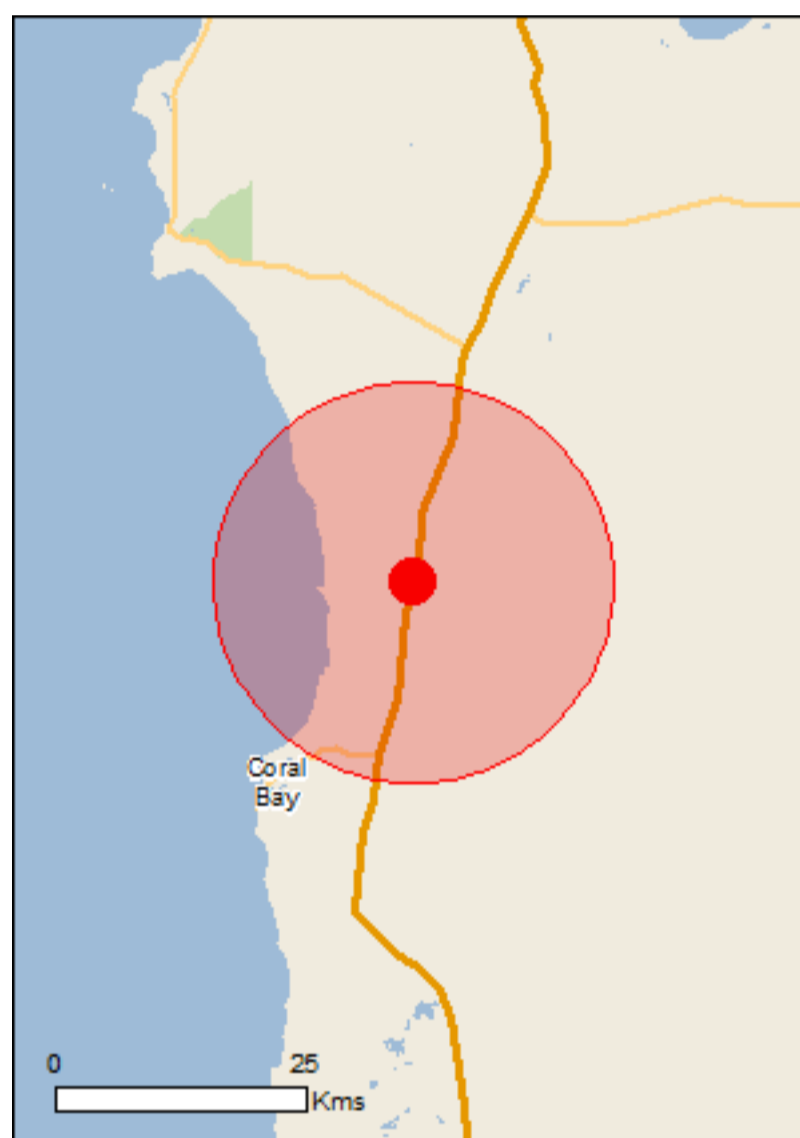
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

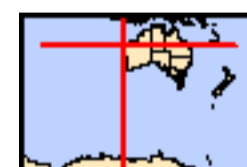
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	19
Listed Migratory Species:	27

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	46
Whales and Other Cetaceans:	12
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	None
Regional Forest Agreements:	None
Invasive Species:	9
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties [\[Resource Information \]](#)

Name	State	Status
The Ningaloo Coast	WA	Declared property

National Heritage Properties [\[Resource Information \]](#)

Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
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Birds

Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
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Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
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Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding likely to occur within area
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Thalassarche melanophris impavida Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area
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Mammals

Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
--	------------	--

Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
--	------------	--

Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
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Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat likely to occur within area
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Rhinonictes aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area
---	------------	--

Reptiles

Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat likely to occur within area
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Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
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Name	Status	Type of Presence
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area

Sharks

Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species

[[Resource Information](#)]

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

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area

Migratory Marine Species

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
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area

Name	Threatened	Type of Presence
Dugong dugon Dugong [28]		Breeding known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
Lamna nasus Porbeagle, Mackerel Shark [83288]		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 known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat may occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Pandion cristatus Eastern Osprey [82411]		Species or species habitat known to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [[Resource Information](#)]

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Fish		
Bulbonaricus brauni Braun's Pughead Pipefish, Pug-headed Pipefish [66189]		Species or species habitat may occur within area
Choeroichthys brachysoma Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Choeroichthys suillus Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
Doryrhamphus negrosensis Flagtail Pipefish, Masthead Island Pipefish [66213]		Species or species habitat may occur within area
Festucalex scalaris Ladder Pipefish [66216]		Species or species habitat may occur within area
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area
Halicampus brocki Brock's Pipefish [66219]		Species or species habitat may occur within area
Halicampus spirostris Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
Haliichthys taeniophorus Ribboned Pipehorse, Ribboned Seadragon [66226]		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 histrix Spiny Seahorse, Thorny Seahorse [66236]		Species or species habitat may occur within area
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area
Micrognathus micronotopterus Tidepool Pipefish [66255]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
Solenostomus paegnius Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area
Mammals		
Dugong dugon Dugong [28]		Breeding known to occur within area
Reptiles		

Name	Threatened	Type of Presence
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat likely to occur within area
Aipysurus laevis Olive Seasnake [1120]		Species or species habitat may occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Disteira kingii Spectacled Seasnake [1123]		Species or species habitat may occur within area
Disteira major Olive-headed Seasnake [1124]		Species or species habitat may occur within area
Emydocephalus annulatus Turtle-headed Seasnake [1125]		Species or species habitat may occur within area
Ephalophis greyi North-western Mangrove Seasnake [1127]		Species or species habitat may occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Hydrophis elegans Elegant Seasnake [1104]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Pelamis platurus Yellow-bellied Seasnake [1091]		Species or species habitat may 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
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area

Name	Status	Type of Presence
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat may occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

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 Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Oryctolagus cuniculus Rabbit, European Rabbit [128]		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		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
Prosopis spp. Mesquite, Algaroba [68407]		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 qualifications below and may need to seek and consider other information sources.

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.97259 113.90481

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
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- Natural history museums of Australia
- [-Museum Victoria](#)
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- [-Western Australian Herbarium](#)
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- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 128.5

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Current Names Only Yes
 Core Datasets Only Yes
 Method 'By Circle'
 Centre 113°59' 32" E, 22°40' 12" S
 Buffer 20km
 Group By Family

Family	Species	Records
Acanthaceae	1	1
Acanthizidae	2	2
Accipitridae	4	13
Aegothelidae	1	1
Agamidae	8	41
Aizoaceae	1	1
Alaudidae	1	2
Amaranthaceae	5	6
Apocynaceae	1	1
Araneidae	1	1
Artamidae	1	2
Asparagaceae	1	1
Asteraceae	7	11
Boraginaceae	4	8
Buthidae	1	1
Campephagidae	1	1
Capparaceae	1	1
Carphodactylidae	1	5
Casuariidae	1	1
Charadriidae	1	2
Chenopodiaceae	4	4
Cinclosomatidae	1	3
Columbidae	3	8
Convolvulaceae	1	1
Corvidae	2	4
Cracticidae	2	2
Cuculidae	1	1
Cucurbitaceae	1	1
Dasyuridae	1	1
Dicaeidae	1	1
Dicruridae	2	4
Diplodactylidae	6	22
Elapidae	5	8
Estrilidae	1	3
Euphorbiaceae	4	5
Fabaceae	17	55
Falconidae	2	5
Gekkonidae	2	12
Geraniaceae	1	1
Glareolidae	1	1
Goodeniaceae	9	17
Gruidae	1	1
Gyrostemonaceae	1	1
Haloragaceae	1	2
Hemerocallidaceae	1	1
Lamiaceae	1	1
Lauraceae	1	1
Loranthaceae	1	2
Maluridae	2	4
Malvaceae	6	8
Meliphagidae	2	3
Myrtaceae	7	13
Pachycephalidae	1	4
Phasianidae	1	1
Poaceae	6	7
Pomatostomidae	1	2
Proteaceae	2	4
Psittacidae	3	7
Pygopodidae	4	14
Santalaceae	1	2
Scincidae	22	149
Scolopendridae	1	1
Scrophulariaceae	1	1
Solanaceae	2	2
Surianaceae	1	1
Sylviidae	2	4
Thymelaeaceae	1	1
Varanidae	3	4
Zygophyllaceae	1	1
TOTAL	188	503

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladantha forrestii</i>			
Acanthizidae				
2.	24265 <i>Acanthiza uropygialis</i> (Chestnut-rumped Thornbill)			
3.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
Accipitridae				
4.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
5.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
7.	25542 <i>Milvus migrans</i> (Black Kite)			
Aegothelidae				
8.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
Agamidae				
9.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
10.	24868 <i>Ctenophorus clayi</i> (Collared Dragon)			
11.	24872 <i>Ctenophorus femoralis</i> (Dune Dragon)			
12.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
13.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
14.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
15.	42400 <i>Diporiphora adductus</i> (Carnarvon Dragon)			
16.	24904 <i>Moloch horridus</i> (Thorny Devil)			
Aizoaceae				
17.	44305 <i>Trianthema pilosum</i>			
Alaudidae				
18.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
19.	2694 <i>Ptilotus appendiculatus</i>			
20.	2699 <i>Ptilotus axillaris</i> (Mat Mulla Mulla)			
21.	2717 <i>Ptilotus divaricatus</i> (Climbing Mulla Mulla)			
22.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
23.	2766 <i>Ptilotus villosiflorus</i>			
Apocynaceae				
24.	12949 <i>Marsdenia australis</i>			
Araneidae				
25.	<i>Austracantha minax</i>			
Artamidae				
26.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
Asparagaceae				
27.	1211 <i>Acanthocarpus verticillatus</i>			
Asteraceae				
28.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
29.	7958 <i>Decazesia hecatocephala</i>			
30.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
31.	42024 <i>Olearia</i> sp. Kennedy Range (G. Byrne 66)			
32.	35003 <i>Peripleura hispidula</i> var. <i>setosa</i>			
33.	8200 <i>Schoenia cassiniana</i> (Schoenia)			
34.	8235 <i>Streptoglossa bubakii</i>			
Boraginaceae				
35.	29840 <i>Halgania cyanea</i> var. <i>Allambi Stn</i> (B.W. Strong 676)			
36.	6705 <i>Heliotropium crispatum</i>			
37.	17305 <i>Heliotropium glanduliferum</i>			
38.	6713 <i>Heliotropium ovalifolium</i>			
Buthidae				
39.	<i>Urodacus hartmeyeri</i>			
Campephagidae				
40.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
Capparaceae				
41.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
Carphodactylidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
42.	24968 <i>Nephrurus levis</i> subsp. <i>occidentalis</i>			
Casuariidae				
43.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
Charadriidae				
44.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
Chenopodiaceae				
45.	2489 <i>Chenopodium gaudichaudianum</i> (Cottony Saltbush)			
46.	33596 <i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>			
47.	2547 <i>Maireana lanosa</i> (Woolly Bluebush)			
48.	2582 <i>Rhagodia eremaea</i> (Thorny Saltbush)			
Cinclosomatidae				
49.	24390 <i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Columbidae				
50.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
51.	25585 <i>Geopelia striata</i> (Zebra Dove)			
52.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Convolvulaceae				
53.	6612 <i>Convolvulus clementii</i>			
Corvidae				
54.	24416 <i>Corvus bennetti</i> (Little Crow)			
55.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
56.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
57.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Cuculidae				
58.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
Cucurbitaceae				
59.	7378 <i>Momordica balsamina</i> (Balsam Apple)	Y		
Dasyuridae				
60.	24105 <i>Pseudantechinus roryi</i> (Rory's Pseudantechinus)			
Dicaeidae				
61.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae				
62.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
63.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
Diplodactylidae				
64.	24919 <i>Crenadactylus ocellatus</i> subsp. <i>horni</i> (Clawless Gecko)			
65.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
66.	25231 <i>Diplodactylus klugei</i>			
67.	42415 <i>Lucasium squarrosum</i>			
68.	24941 <i>Strophurus rankini</i>			
69.	24946 <i>Strophurus strophurus</i>			
Elapidae				
70.	25331 <i>Brachyuropsis approximans</i> (North-western Shovel-nosed Snake)			
71.	25362 <i>Ephalophis greyae</i>			
72.	25248 <i>Neelaps bimaculatus</i> (Black-naped Snake)			
73.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
74.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
Estrilidae				
75.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
76.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
77.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
78.	4635 <i>Euphorbia myrtoides</i>			
79.	42879 <i>Euphorbia trigonosperma</i>			
Fabaceae				
80.	3241 <i>Acacia bivenosa</i>			
81.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
82.	29015 <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>			
83.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
84.	3549 <i>Acacia spathulifolia</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
85.	13076 <i>Acacia startii</i>		P3	
86.	19456 <i>Acacia stellaticeps</i>			
87.	3774 <i>Crotalaria cunninghamii</i> (Green Birdflower, Bilbun)			
88.	17118 <i>Cullen leucanthum</i>			
89.	3989 <i>Isotropis atropurpurea</i> (Poison Sage)			
90.	3664 <i>Labichea cassioides</i>			
91.	3674 <i>Petalostylis cassioides</i>			
92.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
93.	13592 <i>Swainsona calcicola</i>			
94.	13595 <i>Swainsona elegantoides</i>			
95.	4242 <i>Swainsona pterostylis</i>			
96.	39422 <i>Tephrosia</i> sp. Onslow (K.R. Newbey 10571)			
Falconidae				
97.	25621 <i>Falco berigora</i> (Brown Falcon)			
98.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
Gekkonidae				
99.	24959 <i>Gehyra variegata</i>			
100.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Geraniaceae				
101.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Glareolidae				
102.	24481 <i>Glareola maldivarum</i> (Oriental Pratincole)		IA	
Goodeniaceae				
103.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
104.	7526 <i>Goodenia microptera</i>			
105.	7556 <i>Goodenia tenuiloba</i>			
106.	7588 <i>Lechenaultia subcymosa</i> (Wide-branching Leschenaultia)			
107.	7608 <i>Scaevola cunninghamii</i>			
108.	7643 <i>Scaevola sericophylla</i>			
109.	7644 <i>Scaevola spinescens</i> (Currant Bush, Maroon)			
110.	7648 <i>Scaevola tomentosa</i> (Raggedleaf Fanflower)			
111.	7660 <i>Velleia glabrata</i> (Pee the Bed)			
Gruidae				
112.	24484 <i>Grus rubicunda</i> (Brolga)			
Gyrostemonaceae				
113.	2778 <i>Codonocarpus cotinifolius</i> (Native Poplar, Kundurangu)			
Haloragaceae				
114.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
Hemerocallidaceae				
115.	1360 <i>Tricoryne corynothecoides</i>			
Lamiaceae				
116.	41063 <i>Quoya loxocarpa</i>			
Lauraceae				
117.	12073 <i>Cassytha aurea</i> var. <i>aurea</i>			
Loranthaceae				
118.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
Maluridae				
119.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
120.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
Malvaceae				
121.	9080 <i>Abutilon cunninghamii</i>			
122.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
123.	4907 <i>Alyogyne pinoniana</i> (Sand Hibiscus)			
124.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
125.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
126.	4942 <i>Hibiscus sturtii</i> (Sturt's Hibiscus)			
Meliphagidae				
127.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
128.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
Myrtaceae				
129.	33519 <i>Eucalyptus baiophylla</i>			
130.	5654 <i>Eucalyptus fruticosa</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
131.	14548 <i>Eucalyptus victrix</i>			
132.	15592 <i>Eucalyptus xerothermica</i>			
133.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
134.	44710 <i>Thryptomene dampieri</i>			
135.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Pachycephalidae				
136.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
Phasianidae				
137.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
Poaceae				
138.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
139.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
140.	275 <i>Chrysopogon pallidus</i> (Ribbongrass)			
141.	11232 <i>Paractaenum novae-hollandiae</i> subsp. <i>novae-hollandiae</i>			
142.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
143.	706 <i>Triraphis mollis</i> (Needle Grass)			
Pomatostomidae				
144.	25706 <i>Pomatostomus temporalis</i> (Grey-crowned Babbler)			
Proteaceae				
145.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kalinypa)			
146.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psittacidae				
147.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
148.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
149.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Pygopodidae				
150.	24992 <i>Aprasia rostrata</i> (Monte Bello Worm-lizard)		T	
151.	25001 <i>Delma nasuta</i>			
152.	25004 <i>Delma tincta</i>			
153.	25005 <i>Lialis burtonis</i>			
Santalaceae				
154.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
Scincidae				
155.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
156.	25036 <i>Ctenotus duricola</i>			
157.	25044 <i>Ctenotus hanloni</i>			
158.	25046 <i>Ctenotus iapetus</i>			
159.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
160.	25069 <i>Ctenotus rufescens</i>			
161.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
162.	25074 <i>Ctenotus schomburgkii</i>			
163.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
164.	43381 <i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)			
165.	25125 <i>Lerista bipes</i>			
166.	30928 <i>Lerista clara</i>			
167.	25133 <i>Lerista elegans</i>			
168.	25148 <i>Lerista lineopunctulata</i>			
169.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
170.	25161 <i>Lerista petersoni</i> (Phantom Mole Slider, skink)			
171.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
172.	25176 <i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)			
173.	25184 <i>Menetia greyii</i>			
174.	25191 <i>Morethia lineocellata</i>			
175.	25197 <i>Notoscincus ornatus</i> subsp. <i>ornatus</i>			
176.	25202 <i>Tiliqua multifasciata</i> (Central Blue-tongue)			
Scolopendridae				
177.	<i>Scolopendra morsitans</i>			
Scrophulariaceae				
178.	7242 <i>Eremophila miniata</i> (Kopi Poverty Bush)			
Solanaceae				
179.	7002 <i>Solanum diversiflorum</i>			
180.	7018 <i>Solanum lasiophyllum</i> (Flannel Bush, Mindjulu)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Surianaceae				
181.	3182	<i>Stylobasium spathulatum</i> (Pebble Bush)		
Sylviidae				
182.	24833	<i>Cincloramphus cruralis</i> (Brown Songlark)		
183.	24834	<i>Cincloramphus mathewsi</i> (Rufous Songlark)		
Thymelaeaceae				
184.	11185	<i>Pimelea microcephala</i> subsp. <i>microcephala</i>		
Varanidae				
185.	25210	<i>Varanus brevicauda</i> (Short-tailed Pygmy Monitor)		
186.	25212	<i>Varanus eremius</i> (Pygmy Desert Monitor)		
187.	25218	<i>Varanus gouldii</i> (Bungarra or Sand Monitor)		
Zygophyllaceae				
188.	4380	<i>Tribulus occidentalis</i> (Perennial Caltrop)		

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:31:29

[Summary](#)

[Details](#)

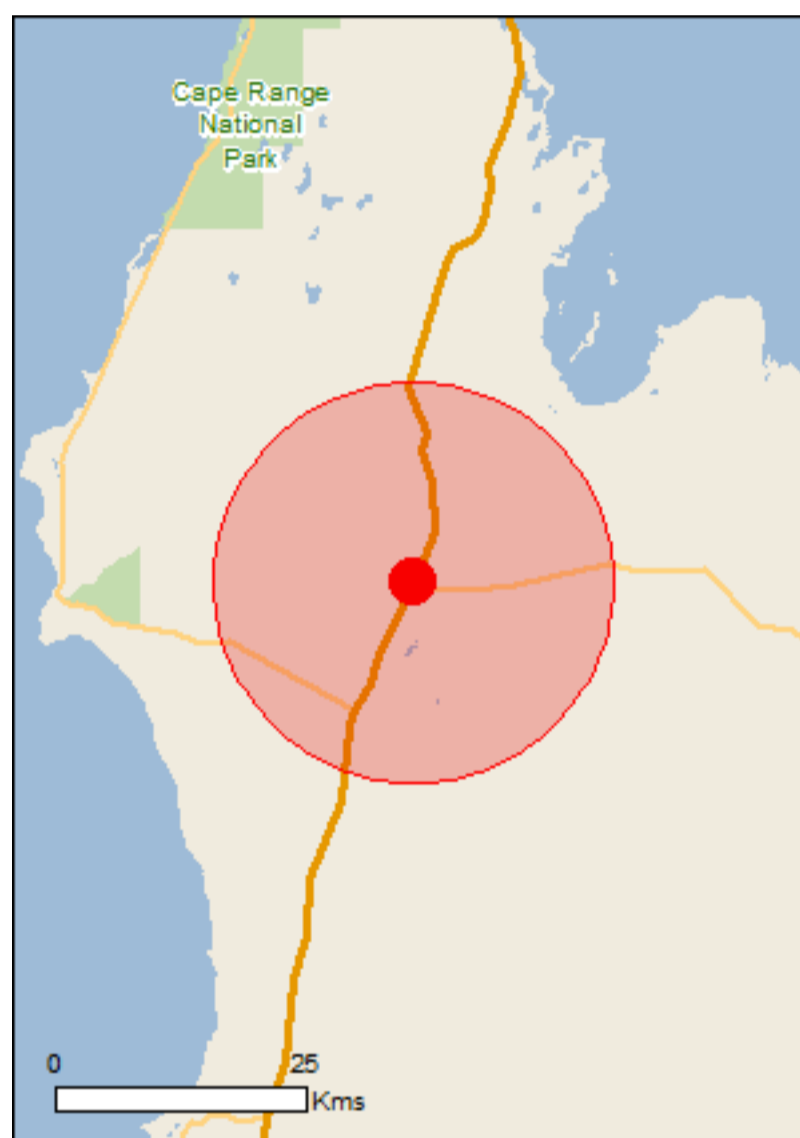
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

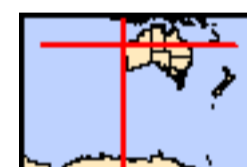
[Acknowledgements](#)



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[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	3
Listed Migratory Species:	8

Other Matters Protected by the EPBC Act

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

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

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	9
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	1
Regional Forest Agreements:	None
Invasive Species:	11
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Mammals		
Dasyurus hallucatus Northern Quoll [331]	Endangered	Species or species habitat may occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat likely to occur within area
Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
Pandion cristatus Eastern Osprey [82411]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area

Extra Information

State and Territory Reserves [\[Resource Information \]](#)

Name	State
Giralia	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 Resources Audit, 2001.

Name	Status	Type of Presence
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Birds

Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
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Mammals

Capra hircus Goat [2]		Species or species habitat likely to occur within area
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Equus caballus Horse [5]		Species or species habitat likely to occur within area
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Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
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Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
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Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
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Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
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Plants

Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
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Name	Status	Type of Presence
Prosopis spp. Mesquite, Algaroba [68407]		Species or species habitat likely to occur within area

Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
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Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.6707 114.00541

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 130 to 135

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 114°01' 14" E,22°37' 44" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	1	2
Acanthizidae	2	2
Accipitridae	4	14
Agamidae	8	44
Aizoaceae	1	1
Alaudidae	1	3
Amaranthaceae	6	9
Apocynaceae	1	1
Araneidae	1	1
Artamidae	1	1
Asparagaceae	1	2
Asteraceae	6	10
Boraginaceae	7	13
Brassicaceae	1	1
Campephagidae	1	1
Capparaceae	2	2
Carphodactylidae	1	5
Casuariidae	1	2
Charadriidae	2	3
Chenopodiaceae	4	5
Cinclosomatidae	1	5
Columbidae	3	10
Convolvulaceae	1	1
Corvidae	2	4
Cracticidae	2	2
Crassulaceae	1	1
Cuculidae	1	3
Cucurbitaceae	1	1
Dasyuridae	3	3
Dicaeidae	1	1
Dicruridae	2	5
Dilleniaceae	1	1
Diplodactylidae	6	22
Elapidae	6	9
Estrilidae	1	5
Euphorbiaceae	4	5
Fabaceae	21	58
Falconidae	2	6
Gekkonidae	2	12
Geraniaceae	1	1
Glareolidae	1	1
Goodeniaceae	9	19
Gruidae	1	1
Gyrostemonaceae	1	1
Haematopodidae	1	1
Haloragaceae	1	2
Lamiaceae	1	1
Lauraceae	1	1
Loranthaceae	1	2
Maluridae	2	5
Malvaceae	9	11
Meliphagidae	3	4
Muridae	1	1
Myrtaceae	8	17
Oleaceae	1	1
Pachycephalidae	2	6
Phasianidae	1	1
Phyllanthaceae	1	1
Poaceae	6	7
Pomatostomidae	1	2
Proteaceae	4	7
Psittacidae	1	1
Psittacidae	3	6
Pygopodidae	3	16
Santalaceae	1	2
Sapindaceae	1	1
Scincidae	23	160
Scolopendridae	1	1
Scrophulariaceae	2	2
Solanaceae	2	2
Surianaceae	1	1
Sylviidae	2	8
Thymelaeaceae	1	1
Turnicidae	1	1
Varanidae	3	4
Zygophyllaceae	1	1

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladantha forrestii</i>			
Acanthizidae				
2.	24265 <i>Acanthiza uropygialis</i> (Chestnut-rumped Thornbill)			
3.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
Accipitridae				
4.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
5.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
6.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
7.	25542 <i>Milvus migrans</i> (Black Kite)			
Agamidae				
8.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
9.	24868 <i>Ctenophorus clayi</i> (Collared Dragon)			
10.	24872 <i>Ctenophorus femoralis</i> (Dune Dragon)			
11.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
12.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
13.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
14.	42400 <i>Diporiphora adductus</i> (Carnarvon Dragon)			
15.	24904 <i>Moloch horridus</i> (Thorny Devil)			
Aizoaceae				
16.	44305 <i>Trianthema pilosum</i>			
Alaudidae				
17.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
18.	2694 <i>Ptilotus appendiculatus</i>			
19.	2699 <i>Ptilotus axillaris</i> (Mat Mulla Mulla)			
20.	2717 <i>Ptilotus divaricatus</i> (Climbing Mulla Mulla)			
21.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
22.	2751 <i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
23.	2766 <i>Ptilotus villosiflorus</i>			
Apocynaceae				
24.	12949 <i>Marsdenia australis</i>			
Araneidae				
25.	<i>Austracantha minax</i>			
Artamidae				
26.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
Asparagaceae				
27.	1211 <i>Acanthocarpus verticillatus</i>			
Asteraceae				
28.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
29.	7958 <i>Decazesia hecatocephala</i>			
30.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
31.	42024 <i>Olearia</i> sp. Kennedy Range (G. Byrne 66)			
32.	35003 <i>Peripleura hispidula</i> var. <i>setosa</i>			
33.	8235 <i>Streptoglossa bubakii</i>			
Boraginaceae				
34.	6687 <i>Halgania cyanea</i> (Rough Halgania)			
35.	29840 <i>Halgania cyanea</i> var. <i>Allambi Stn</i> (B.W. Strong 676)			
36.	6705 <i>Heliotropium crispatum</i>			
37.	6706 <i>Heliotropium cunninghamii</i>			
38.	17305 <i>Heliotropium glanduliferum</i>			
39.	6713 <i>Heliotropium ovalifolium</i>			
40.	17309 <i>Heliotropium pachyphyllum</i>			
Brassicaceae				
41.	3041 <i>Lepidium pseudoruderale</i>			
Campephagidae				
42.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
Capparaceae				
43.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
44.	11670 <i>Capparis spinosa</i> var. <i>nummularia</i> (Coastal Caper)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Carphodactylidae				
45.	24968 <i>Nephurus levis subsp. occidentalis</i>			
Casuariidae				
46.	24470 <i>Dromaius novaehollandiae (Emu)</i>			
Charadriidae				
47.	24377 <i>Charadrius ruficapillus (Red-capped Plover)</i>			
48.	24386 <i>Vanellus tricolor (Banded Lapwing)</i>			
Chenopodiaceae				
49.	2489 <i>Chenopodium gaudichaudianum (Cottony Saltbush)</i>			
50.	33596 <i>Dysphania melanocarpa forma leucocarpa</i>			
51.	2547 <i>Maireana lanosa (Woolly Bluebush)</i>			
52.	2582 <i>Rhagodia eremaea (Thorny Saltbush)</i>			
Cinclosomatidae				
53.	24390 <i>Psophodes occidentalis (Western Wedgebill, Chiming Wedgebill)</i>			
Columbidae				
54.	24401 <i>Geopelia cuneata (Diamond Dove)</i>			
55.	25585 <i>Geopelia striata (Zebra Dove)</i>			
56.	24407 <i>Ocyphaps lophotes (Crested Pigeon)</i>			
Convolvulaceae				
57.	6612 <i>Convolvulus clementii</i>			
Corvidae				
58.	24416 <i>Corvus bennetti (Little Crow)</i>			
59.	25593 <i>Corvus orru (Torresian Crow)</i>			
Cracticidae				
60.	24420 <i>Cracticus nigrogularis (Pied Butcherbird)</i>			
61.	25596 <i>Cracticus torquatus (Grey Butcherbird)</i>			
Crassulaceae				
62.	11563 <i>Crassula colorata var. colorata</i>			
Cuculidae				
63.	42307 <i>Cacomantis pallidus (Pallid Cuckoo)</i>			
Cucurbitaceae				
64.	7378 <i>Momordica balsamina (Balsam Apple)</i>	Y		
Dasyuridae				
65.	24091 <i>Dasykaluta rosamondae (Little Red Kaluta)</i>			
66.	24105 <i>Pseudantechinus roryi (Rory's Pseudantechinus)</i>			
67.	24116 <i>Sminthopsis macroura (Stripe-faced Dunnart)</i>			
Dicaeidae				
68.	25607 <i>Dicaeum hirundinaceum (Mistletoebird)</i>			
Dicruridae				
69.	24443 <i>Grallina cyanoleuca (Magpie-lark)</i>			
70.	25614 <i>Rhipidura leucophrys (Willie Wagtail)</i>			
Dilleniaceae				
71.	11481 <i>Hibbertia spicata subsp. spicata</i>			
Diplodactylidae				
72.	24919 <i>Crenadactylus ocellatus subsp. horni (Clawless Gecko)</i>			
73.	24926 <i>Diplodactylus conspicillatus (Fat-tailed Gecko)</i>			
74.	25231 <i>Diplodactylus klugei</i>			
75.	42415 <i>Lucasium squarrosus</i>			
76.	24941 <i>Strophurus rankini</i>			
77.	24946 <i>Strophurus strophurus</i>			
Elapidae				
78.	25331 <i>Brachyurophis approximans (North-western Shovel-nosed Snake)</i>			
79.	25292 <i>Demansia calodera (Black-necked Whipsnake)</i>			
80.	25362 <i>Ephalophis greyae</i>			
81.	25248 <i>Neelaps bimaculatus (Black-naped Snake)</i>			
82.	25261 <i>Pseudechis australis (Mulga Snake)</i>			
83.	42416 <i>Pseudonaja mengdeni (Western Brown Snake)</i>			
Estrilidae				
84.	30870 <i>Taeniopygia guttata (Zebra Finch)</i>			
Euphorbiaceae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
85.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
86.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
87.	4635 <i>Euphorbia myrtoides</i>			
88.	42879 <i>Euphorbia trigonosperma</i>			
Fabaceae				
89.	3241 <i>Acacia bivenosa</i>			
90.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
91.	29015 <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>			
92.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
93.	3549 <i>Acacia spathulifolia</i>			
94.	13076 <i>Acacia startii</i>		P3	
95.	19456 <i>Acacia stellaticeps</i>			
96.	3774 <i>Crotalaria cunninghamii</i> (Green Birdflower, Bilbun)			
97.	3783 <i>Crotalaria medicaginea</i>			
98.	17118 <i>Cullen leucanthum</i>			
99.	3938 <i>Glycine canescens</i> (Silky Glycine)			
100.	3973 <i>Indigofera colutea</i> (Sticky Indigo)			
101.	3989 <i>Isotropis atropurpurea</i> (Poison Sage)			
102.	3664 <i>Labichea cassioides</i>			
103.	3674 <i>Petalostylis cassioides</i>			
104.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
105.	13592 <i>Swainsona calcicola</i>			
106.	13595 <i>Swainsona elegantoides</i>			
107.	4242 <i>Swainsona pterostylis</i>			
108.	39422 <i>Tephrosia</i> sp. <i>Onslow</i> (K.R. Newbey 10571)			
109.	4285 <i>Tephrosia supina</i>			
Falconidae				
110.	25621 <i>Falco berigora</i> (Brown Falcon)			
111.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
Gekkonidae				
112.	24959 <i>Gehyra variegata</i>			
113.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Geraniaceae				
114.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Glareolidae				
115.	24481 <i>Glareola maldivarum</i> (Oriental Pratincole)		IA	
Goodeniaceae				
116.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
117.	7526 <i>Goodenia microptera</i>			
118.	7556 <i>Goodenia tenuiloba</i>			
119.	7588 <i>Lechenaultia subcymosa</i> (Wide-branching Leschenaultia)			
120.	7608 <i>Scaevola cunninghamii</i>			
121.	7643 <i>Scaevola sericophylla</i>			
122.	7644 <i>Scaevola spinescens</i> (Currant Bush, Maroon)			
123.	7648 <i>Scaevola tomentosa</i> (Raggedleaf Fanflower)			
124.	7660 <i>Velleia glabrata</i> (Pee the Bed)			
Gruidae				
125.	24484 <i>Grus rubicunda</i> (Brolga)			
Gyrostemonaceae				
126.	2778 <i>Codonocarpus cotinifolius</i> (Native Poplar, Kundurangu)			
Haematopodidae				
127.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
Haloragaceae				
128.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
Lamiaceae				
129.	41063 <i>Quoya loxocarpa</i>			
Lauraceae				
130.	12073 <i>Cassytha aurea</i> var. <i>aurea</i>			
Loranthaceae				
131.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
Maluridae				
132.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
133.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Malvaceae				
134.	4889 <i>Abutilon cryptopetalum</i>			
135.	9080 <i>Abutilon cunninghamii</i>			
136.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
137.	4907 <i>Alyogyne pinoniana</i> (Sand Hibiscus)			
138.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
139.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
140.	4924 <i>Hibiscus burtonii</i>			
141.	4942 <i>Hibiscus sturtii</i> (Sturt's Hibiscus)			
142.	4962 <i>Malvastrum americanum</i> (Spiked Malvastrum)	Y		
Meliphagidae				
143.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
144.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
145.	42310 <i>Sugomel niger</i> (Black Honeyeater)			
Muridae				
146.	24237 <i>Pseudomys hermannsburgensis</i> (Sandy Inland Mouse)			
Myrtaceae				
147.	17093 <i>Corymbia hamersleyana</i>			
148.	33519 <i>Eucalyptus baiophylla</i>			
149.	14548 <i>Eucalyptus victrix</i>			
150.	15592 <i>Eucalyptus xerothermica</i>			
151.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
152.	18260 <i>Pileanthus septentrionalis</i>			
153.	44710 <i>Thryptomene dampieri</i>			
154.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
Oleaceae				
155.	29056 <i>Jasminum</i> sp. <i>Exmouth</i> (G. Marsh 77)			
Pachycephalidae				
156.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
157.	24620 <i>Pachycephala lanioides</i> (White-breasted Whistler)			
Phasianidae				
158.	24671 <i>Coturnix pectoralis</i> (Stubble Quail)			
Phyllanthaceae				
159.	17626 <i>Phyllanthus erwinii</i>			
Poaceae				
160.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
161.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
162.	275 <i>Chrysopogon pallidus</i> (Ribbongrass)			
163.	11232 <i>Paractaenum novae-hollandiae</i> subsp. <i>novae-hollandiae</i>			
164.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
165.	706 <i>Triraphis mollis</i> (Needle Grass)			
Pomatostomidae				
166.	25706 <i>Pomatostomus temporalis</i> (Grey-crowned Babbler)			
Proteaceae				
167.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kalinypa)			
168.	2096 <i>Grevillea stenobotrya</i>			
169.	15686 <i>Grevillea variifolia</i> subsp. <i>bundera</i>			
170.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Psilotaceae				
171.	1 <i>Psilotum nudum</i>			
Psittacidae				
172.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
173.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
174.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
Pygopodidae				
175.	24992 <i>Aprasia rostrata</i> (Monte Bello Worm-lizard)		T	
176.	25001 <i>Delma nasuta</i>			
177.	25005 <i>Lialis burtonis</i>			
Santalaceae				
178.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
Sapindaceae				
179.	4745 <i>Diplopeltis eriocarpa</i> (Hairy Pepperflower)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Scincidae				
180.	25015			
				<i>Carlia munda</i> (Shaded-litter Rainbow Skink)
181.	25036			<i>Ctenotus duricola</i>
182.	25044			<i>Ctenotus hanloni</i>
183.	25046			<i>Ctenotus iapetus</i>
184.	25064			<i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)
185.	25069			<i>Ctenotus rufescens</i>
186.	25073			<i>Ctenotus saxatilis</i> (Rock Ctenotus)
187.	25074			<i>Ctenotus schomburgkii</i>
188.	25090			<i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)
189.	43381			<i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)
190.	25125			<i>Lerista bipes</i>
191.	30928			<i>Lerista clara</i>
192.	25133			<i>Lerista elegans</i>
193.	25148			<i>Lerista lineopunctulata</i>
194.	25151			<i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>
195.	25161			<i>Lerista petersoni</i> (Phantom Mole Slider, skink)
196.	25163			<i>Lerista planiventralis</i> subsp. <i>planiventralis</i>
197.	25165			<i>Lerista praepedita</i>
198.	25176			<i>Lerista uniduo</i> (Spotted Broad-blazed Slider, skink)
199.	25184			<i>Menetia greyii</i>
200.	25191			<i>Morethia lineocellata</i>
201.	25197			<i>Notoscincus ornatus</i> subsp. <i>ornatus</i>
202.	25202			<i>Tiliqua multifasciata</i> (Central Blue-tongue)
Scolopendridae				
203.				<i>Scolopendra morsitans</i>
Scrophulariaceae				
204.	7192			<i>Eremophila cuneifolia</i> (Pinyuru, T'iranjū)
205.	7242			<i>Eremophila miniata</i> (Kopi Poverty Bush)
Solanaceae				
206.	7002			<i>Solanum diversiflorum</i>
207.	7018			<i>Solanum lasiophyllum</i> (Flannel Bush, Mindjulu)
Surianaceae				
208.	3182			<i>Stylobasium spathulatum</i> (Pebble Bush)
Sylviidae				
209.	24833			<i>Cincloramphus cruralis</i> (Brown Songlark)
210.	24834			<i>Cincloramphus mathewsi</i> (Rufous Songlark)
Thymelaeaceae				
211.	11185			<i>Pimelea microcephala</i> subsp. <i>microcephala</i>
Turnicidae				
212.	24851			<i>Turnix velox</i> (Little Button-quail)
Varanidae				
213.	25210			<i>Varanus brevicauda</i> (Short-tailed Pygmy Monitor)
214.	25212			<i>Varanus eremius</i> (Pygmy Desert Monitor)
215.	25218			<i>Varanus gouldii</i> (Bungarra or Sand Monitor)
Zygophyllaceae				
216.	4380			<i>Tribulus occidentalis</i> (Perennial Caltrop)

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:31:58

[Summary](#)

[Details](#)

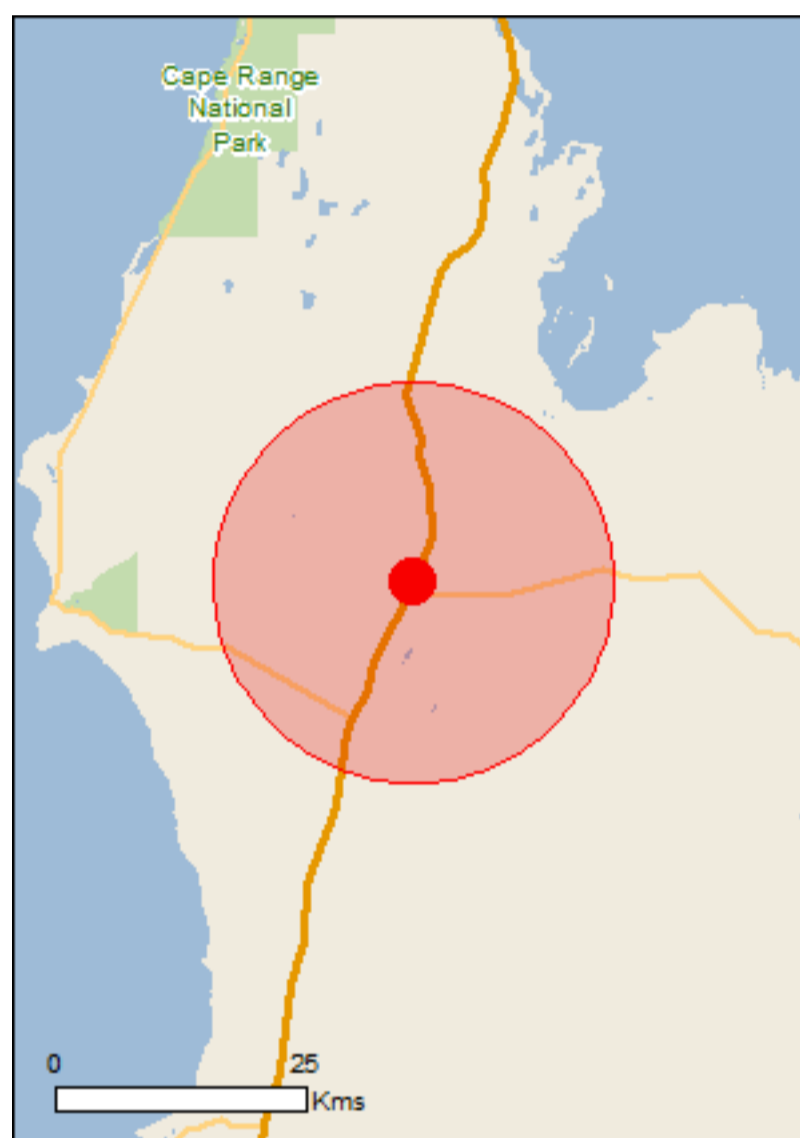
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

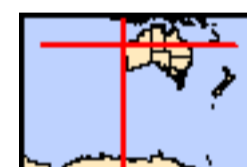
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	3
Listed Migratory Species:	8

Other Matters Protected by the EPBC Act

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

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

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	9
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	1
Regional Forest Agreements:	None
Invasive Species:	11
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Mammals		
Dasyurus hallucatus Northern Quoll [331]	Endangered	Species or species habitat may occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat likely to occur within area
Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
Pandion cristatus Eastern Osprey [82411]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area

Extra Information

State and Territory Reserves [\[Resource Information \]](#)

Name	State
Giralia	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 Resources Audit, 2001.

Name	Status	Type of Presence
------	--------	------------------

Birds

Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
--	--	--

Mammals

Capra hircus Goat [2]		Species or species habitat likely to occur within area
--------------------------	--	--

Equus caballus Horse [5]		Species or species habitat likely to occur within area
-----------------------------	--	--

Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
--	--	--

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
---	--	--

Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
------------------------------------	--	--

Plants

Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
---	--	--

Name	Status	Type of Presence
Prosopis spp. Mesquite, Algaroba [68407]		Species or species habitat likely to occur within area

Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
---	--	--

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.66563 114.00884

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

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SLK 183.3 to 192

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 114°05' 08" E,22°17' 22" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	4	8
Acanthizidae	3	15
Accipitridae	5	10
Actinopodidae	1	3
Aegothelidae	1	1
Agamidae	9	53
Alaudidae	1	1
Amaranthaceae	6	14
Ambassidae	1	1
Anatidae	1	1
Antennariidae	1	1
Apiaceae	1	1
Apocynaceae	1	1
Apogonidae	2	4
Araneidae	4	9
Ardeidae	3	5
Argasidae	1	2
Aridae	1	1
Artamidae	5	10
Asparagaceae	2	2
Asphodelaceae	1	1
Assamiidae	1	1
Asteraceae	21	36
Atherinidae	1	1
Balaenopteridae	1	64
Balistidae	1	1
Bathysauridae	2	2
Batrachoididae	1	2
Boidae	2	2
Boraginaceae	2	6
Bothriuridae	1	1
Bovidae	1	1
Brassicaceae	3	5
Buthidae	2	5
Callionymidae	3	3
Campanulaceae	1	1
Campephagidae	3	5
Capparaceae	3	4
Carangidae	8	8
Casuariidae	1	1
Chaetodontidae	1	1
Chanidae	1	1
Charadriidae	2	6
Cheloniidae	1	1
Chenopodiaceae	11	12
Chirocentridae	1	1
Chthoniidae	3	27
Cinclosomatidae	1	1
Columbidae	5	12
Convolvulaceae	1	1
Corvidae	2	2
Cracticidae	2	9
Cuculidae	2	3
Cynoglossidae	1	1
Dactylopteridae	1	1
Dasyuridae	5	14
Delphinidae	3	29
Dicaeidae	1	3
Dicruridae	3	24
Dictyotaceae	1	1
Diplodactylidae	7	14
Dugongidae	1	4
Elapidae	10	18
Emballonuridae	1	1
Erythraeidae	1	9
Estrilidae	2	8
Euphorbiaceae	5	7
Fabaceae	31	64
Falconidae	3	10
Filistatidae	2	4
Fistulariidae	1	1
Frankeniaceae	1	1
Gallieniellidae	1	11
Gekkonidae	3	57
Gentianaceae	1	2
Geraniaceae	2	3
Gerreidae	1	1

Gobiidae	2	4
Goodeniaceae	7	10
Gruidae	1	1
Gyrostemonaceae	1	3
Haematopodidae	1	3
Halcyonidae	4	6
Haloragaceae	2	2
Hemerocallidaceae	1	1
Hemiscylliidae	1	1
Hirundinidae	1	7
Hubbardiidae	2	117
Hyidae	1	4
Hylidae	1	1
Hypnidae	1	1
Isoetaceae	4	4
Ixodidae	1	3
Lamiaceae	3	6
Lamponidae	4	8
Laridae	3	5
Lauraceae	2	3
Limnodynastidae	2	10
Linyphiidae	1	1
Loranthaceae	3	6
Lutjanidae	1	1
Lycopodiaceae	1	1
Macropodidae	2	12
Maluridae	4	11
Malvaceae	11	19
Marsileaceae	1	1
Meliphagidae	4	12
Meropidae	1	3
Miturgidae	1	1
Monacanthidae	2	2
Monocentrididae	1	1
Monodactylidae	1	1
Moraceae	1	1
Motacillidae	1	3
Mugilidae	1	3
Mullidae	1	1
Muridae	9	31
Myobatrachidae	1	6
Myrtaceae	15	57
Nemipteridae	2	2
Nephilidae	1	1
Nocticolidae	1	4
Olacaceae	1	2
Oleaceae	1	1
Oonopidae	1	1
Ophichthidae	1	1
Ostraciidae	1	2
Otididae	1	2
Pachycephalidae	6	32
Paradoxosomatidae	2	101
Paralichthyidae	1	1
Pardalotidae	2	3
Pegasidae	1	1
Pelecanidae	1	2
Petroicidae	1	3
Phalacrocoracidae	2	3
Phasianidae	1	1
Phocidae	1	7
Phrymaceae	1	1
Phyllanthaceae	2	3
Pinguipedidae	1	3
Plantaginaceae	1	1
Platycephalidae	2	2
Plotosidae	1	1
Plumbaginaceae	2	4
Poaceae	12	16
Podargidae	1	1
Poeciliidae	2	2
Pomacanthidae	1	1
Potoroidae	2	2
Pottiaceae	1	1
Priacanthidae	1	1
Prodidomidae	2	25
Proteaceae	6	11
Pseudochromidae	2	3
Psittacidae	2	5
Pteropodidae	1	2
Pygopodidae	3	18
Recurvirostridae	1	1
Rhizophoraceae	2	5
Salticidae	2	2
Santalaceae	2	3
Sapindaceae	1	1
Sargassaceae	1	1
Schendylidae	1	5
Scincidae	15	63
Scolopacidae	3	5
Scolopendridae	1	2
Scombridae	1	1
Scorpaenidae	3	3
Scrophulariaceae	4	5
Scutigeridae	1	1
Selaginellaceae	2	2
Siganidae	1	1
Sillaginidae	3	3
Solanaceae	1	1
Sparassidae	1	6
Sparidae	1	1
Sphyaenidae	1	1
Surianaceae	1	1
Syarinidae	2	8
Sylviidae	3	5

Symphytognathidae	1	10
Syngnathidae	1	1
Synodontidae	1	1
Tengellidae	1	47
Terapontidae	1	1
Tetraognathidae	1	1
Tetraodontidae	6	11
Theridiidae	1	5
Thymelaeaceae	1	1
Triacanthidae	1	1
Trochanteridae	1	3
Turnicidae	1	2
Unidentified Larvae	1	1
Varanidae	1	1
Vespertilionidae	2	5
Zodariidae	4	21
Zosteropidae	1	3
Zygophyllaceae	2	2
TOTAL	497	1549

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
2.	7164 <i>Dicladanthera forrestii</i>			
3.	11320 <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>			
4.	11746 <i>Dipteracanthus australasicus</i> subsp. <i>corynothecus</i>			
Acanthizidae				
5.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
6.	<i>Calamanthus campestris</i> subsp. <i>campestris</i>			Y
7.	24276 <i>Gerygone tenebrosa</i> (Dusky Gerygone)			
Accipitridae				
8.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
9.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)		IA	
10.	25541 <i>Haliastur indus</i> (Brahminy Kite)			
11.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
12.	25542 <i>Milvus migrans</i> (Black Kite)			
Actinopodidae				
13.	<i>Missulena occatoria</i>			
Aegothelidae				
14.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
Agamidae				
15.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
16.	24868 <i>Ctenophorus clayi</i> (Collared Dragon)			
17.	24872 <i>Ctenophorus femoralis</i> (Dune Dragon)			
18.	24875 <i>Ctenophorus isolepis</i> subsp. <i>gularis</i> (Central Military Dragon)			
19.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
20.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
21.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
22.	24904 <i>Moloch horridus</i> (Thorny Devil)			
23.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
Alaudidae				
24.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
25.	2699 <i>Ptilotus axillaris</i> (Mat Mulla Mulla)			
26.	41506 <i>Ptilotus gaudichaudii</i> subsp. <i>gaudichaudii</i>			
27.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
28.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (Yellow Tails)			
29.	2747 <i>Ptilotus obovatus</i> (Cotton Bush)			
30.	2766 <i>Ptilotus villosiflorus</i>			
Ambassidae				
31.	<i>Ambassis vachellii</i>			
Anatidae				
32.	24312 <i>Anas gracilis</i> (Grey Teal)			
Antennariidae				
33.	<i>Lophiocharon trisignatus</i>			
Apiaceae				
34.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
Apocynaceae				
35.	12949 <i>Marsdenia australis</i>			
Apogonidae				
36.	<i>Apogon brevicaudatus</i>			
37.	<i>Apogon poecilopterus</i>			
Araneidae				
38.	<i>Argiope protensa</i>			
39.	<i>Backobourkia collina</i>			
40.	<i>Cyclosa camelodes</i>			
41.	<i>Cyrtobill darwini</i>			
Ardeidae				
42.	41324 <i>Ardea modesta</i> (Eastern Great Egret)		IA	
43.	25560 <i>Ardea sacra</i> (Eastern Reef Egret, Eastern Reef Heron)		IA	
44.	24346 <i>Butorides striatus</i> subsp. <i>stagnatilis</i> (Striated Heron, Mangrove Heron)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Argasidae				
45.	<i>Ornithodoros gurneyi</i>			
Ariidae				
46.	<i>Arius thalassinus</i>			
Artamidae				
47.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
48.	25567 <i>Artamus leucorhynchus</i> (White-breasted Woodswallow)			
49.	24354 <i>Artamus leucorhynchus</i> subsp. <i>leucopygialis</i> (White-breasted Woodswallow)			
50.	24355 <i>Artamus minor</i> (Little Woodswallow)			
51.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asparagaceae				
52.	1208 <i>Acanthocarpus preissii</i>			
53.	1343 <i>Thysanotus patersonii</i>			
Asphodelaceae				
54.	14312 <i>Bulbine pendula</i>			
Assamiidae				
55.	<i>Dampetrus isolatus</i>			
Asteraceae				
56.	7822 <i>Angianthus acrohyalinus</i> (Hook-leaf Angianthus)			
57.	7832 <i>Angianthus milnei</i> (Cone-spike Angianthus)			
58.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
59.	7906 <i>Calotis plumulifera</i>			
60.	12612 <i>Chrysocephalum apiculatum</i>			
61.	7958 <i>Decazesia hecatocephala</i>			
62.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
63.	8105 <i>Millotia myosotidifolia</i>			
64.	42024 <i>Olearia</i> sp. Kennedy Range (G. Byrne 66)			
65.	34997 <i>Peripleura arida</i>			
66.	17816 <i>Pluchea ferdinandi-muelleri</i>			
67.	8168 <i>Pluchea rubelliflora</i>			
68.	8192 <i>Pterocaulon sphacelatum</i> (Apple Bush)			
69.	13301 <i>Rhodanthe floribunda</i>			
70.	13246 <i>Rhodanthe humboldtiana</i>			
71.	13285 <i>Schoenia ayersii</i>			
72.	8213 <i>Senecio magnificus</i> (Showy Groundsel)			
73.	25883 <i>Senecio pinnatifolius</i> var. <i>pinnatifolius</i>			
74.	8223 <i>Sigesbeckia orientalis</i> (Indian Weed)	Y		
75.	8237 <i>Streptoglossa decurrens</i>			
76.	8238 <i>Streptoglossa liatroides</i>			
Atherinidae				
77.	<i>Atherinomorus vaiigiensis</i>			
Balaenopteridae				
78.	24051 <i>Megaptera novaeangliae</i> (Humpback Whale)		T	
Balistidae				
79.	<i>Rhinecanthus aculeatus</i>			
Bathysauridae				
80.	<i>Saurida grandisquamis</i>			
81.	<i>Saurida undosquamis</i>			
Batrachoididae				
82.	<i>Halophryne diemensis</i>			
Boidae				
83.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
84.	25320 <i>Aspidites melanocephalus</i> (Black-headed Python)			
Boraginaceae				
85.	29840 <i>Halgania cyanea</i> var. <i>Allambi Str.</i> (B.W. Strong 676)			
86.	6705 <i>Heliotropium crispatum</i>			
Bothriuridae				
87.	<i>Cercophonius granulosus</i>			
Bovidae				
88.	24251 <i>Bos taurus</i> (European Cattle)	Y		
Brassicaceae				
89.	3035 <i>Lepidium pedicellosum</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
90.	3039 <i>Lepidium platypetalum</i> (Slender Peppergrass)			
91.	3072 <i>Sisymbrium orientale</i> (Indian Hedge Mustard)	Y		
Buthidae				
92.	<i>Lychas mjobergi</i>			
93.	<i>Urodacus hoplurus</i>			
Callionymidae				
94.	<i>Callionymus grossi</i>			
95.	<i>Callionymus sublaevis</i>			
96.	<i>Dactylopus dactylopus</i>			
Campanulaceae				
97.	7393 <i>Wahlenbergia tumidifruca</i>			
Campephagidae				
98.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
99.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
100.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (Black-faced Cuckoo-shrike)			
Capparaceae				
101.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
102.	2978 <i>Capparis mitchellii</i> (Wild Orange)			
103.	11670 <i>Capparis spinosa</i> var. <i>nummularia</i> (Coastal Caper)			
Carangidae				
104.	<i>Alectis indica</i>			
105.	<i>Carangoides coeruleopinnatus</i>			
106.	<i>Carangoides hedlandensis</i>			
107.	<i>Decapterus russelli</i>			
108.	<i>Gnathanodon speciosus</i>			
109.	<i>Scomberoides commersonianus</i>			
110.	<i>Scomberoides lysan</i>			
111.	<i>Seriolina nigrofasciata</i>			
Casuariidae				
112.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
Chaetodontidae				
113.	<i>Coradion chrysozonus</i>			
Chanidae				
114.	<i>Chanos chanos</i>			
Charadriidae				
115.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
116.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
Cheloniidae				
117.	25336 <i>Chelonia mydas</i> (Green Turtle)		T	
Chenopodiaceae				
118.	2456 <i>Atriplex elachophylla</i>			
119.	2463 <i>Atriplex isatidea</i> (Coast Saltbush)			
120.	2476 <i>Atriplex semilunaris</i> (Annual Saltbush)			
121.	2504 <i>Dysphania plantaginella</i>			
122.	2513 <i>Eremophea spinosa</i>			
123.	11662 <i>Maireana tomentosa</i> subsp. <i>tomentosa</i>			
124.	11240 <i>Rhagodia preissii</i> subsp. <i>obovata</i>			
125.	8877 <i>Sclerolaena gardneri</i>			
126.	2628 <i>Sclerolaena recurvicauspis</i>			
127.	2638 <i>Suaeda arbusculoides</i>			
128.	31618 <i>Tecticornia pruinosa</i>			
Chirocentridae				
129.	<i>Chirocentrus dorab</i>			
Chthoniidae				
130.	<i>Austrochthonius easti</i>			
131.	<i>Tyrannochthonius brooksi</i>			
132.	<i>Tyrannochthonius butleri</i>			
Cinclosomatidae				
133.	24390 <i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)			
Columbidae				
134.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
135.	24402 <i>Geopelia humeralis</i> (Bar-shouldered Dove)			

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136.	25585 <i>Geopelia striata</i> (Zebra Dove)			
137.	24404 <i>Geophaps plumifera</i> (Spinifex Pigeon)			
138.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Convolvulaceae				
139.	6641 <i>Ipomoea yardiensis</i> (Yardie Morning Glory)			
Corvidae				
140.	24416 <i>Corvus bennetti</i> (Little Crow)			
141.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
142.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
143.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Cuculidae				
144.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
145.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
Cynoglossidae				
146.	<i>Paraplagusia bilineata</i>			
Dactylopteridae				
147.	<i>Dactyloptena papilio</i>			
Dasyuridae				
148.	24091 <i>Dasykaluta rosamondae</i> (Little Red Kaluta)			
149.	24095 <i>Ningauli timealeyi</i> (Pilbara Ningauli)			
150.	24105 <i>Pseudantechinus roryi</i> (Rory's Pseudantechinus)			
151.	24115 <i>Sminthopsis longicaudata</i> (Long-tailed Dunnart)		P4	
152.	24116 <i>Sminthopsis macroura</i> (Stripe-faced Dunnart)			
Delphinidae				
153.	24060 <i>Orcaella heinsohni</i> (Australian Snubfin Dolphin)		P4	
154.	24064 <i>Sousa chinensis</i> (Indo-Pacific Humpback Dolphin)		P4	
155.	30954 <i>Tursiops aduncus</i> (Indo-Pacific Bottlenose Dolphin)			
Dicaeidae				
156.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae				
157.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
158.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
159.	24457 <i>Rhipidura phasiana</i> (Mangrove Grey Fantail)			
Dictyotaceae				
160.	26764 <i>Dictyopteris australis</i>			
Diplodactylidae				
161.	34146 <i>Diplodactylus capensis</i> (Cape Range Stone Gecko)		P2	
162.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
163.	24938 <i>Diplodactylus ornatus</i>			
164.	30933 <i>Lucasium stenodactylum</i>			
165.	24924 <i>Strophurus ciliaris</i> subsp. <i>aberrans</i>			
166.	24932 <i>Strophurus jeanae</i>			
167.	24946 <i>Strophurus strophurus</i>			
Dugongidae				
168.	24084 <i>Dugong dugon</i> (Dugong)		S	
Elapidae				
169.	25332 <i>Acanthophis wellsi</i> (Pilbara Death Adder)			
170.	25292 <i>Demansia calodera</i> (Black-necked Whipsnake)			
171.	25295 <i>Demansia psammophis</i> subsp. <i>cupreiceps</i> (Yellow-faced Whipsnake)			
172.	25362 <i>Ephalophis greyae</i>			
173.	25301 <i>Furina ornata</i> (Moon Snake)			
174.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
175.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
176.	25263 <i>Pseudonaja modesta</i> (Ringed Brown Snake)			
177.	25267 <i>Simoselaps littoralis</i> (West Coast Banded Snake)			
178.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
Emballonuridae				
179.	24175 <i>Taphozous georgianus</i> (Common Sheath-tail-bat)			
Erythraeidae				
180.	<i>Leptus waldockae</i>			Y

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Estrilidae				
181.	24631 <i>Emblema pictum</i> (Painted Finch)			
182.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
183.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
184.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
185.	4644 <i>Euphorbia sharkoensis</i>			
186.	12097 <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Desert Spurge)			
187.	42879 <i>Euphorbia trigonosperma</i>			
Fabaceae				
188.	13074 <i>Acacia alexandri</i>		P3	
189.	3223 <i>Acacia arida</i>			
190.	3241 <i>Acacia bivenosa</i>			
191.	13500 <i>Acacia coriacea</i> subsp. <i>coriacea</i>			
192.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
193.	3452 <i>Acacia murrayana</i> (Sandplain Wattle)			
194.	3506 <i>Acacia pyrifolia</i> (Ranji Bush, Kandji)			
195.	29015 <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>			
196.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
197.	3549 <i>Acacia spathulifolia</i>			
198.	19456 <i>Acacia stellaticeps</i>			
199.	3577 <i>Acacia tetragonophylla</i> (Kurara, Wakalpuka)			
200.	3606 <i>Acacia xiphophylla</i>			
201.	3774 <i>Crotalaria cunninghamii</i> (Green Birdflower, Bilbun)			
202.	20179 <i>Crotalaria medicaginea</i> var. <i>neglecta</i>			
203.	17439 <i>Cullen lachnostachys</i>			
204.	3871 <i>Erythrina vespertilio</i> (Yulbah)			
205.	3973 <i>Indigofera colutea</i> (Sticky Indigo)			
206.	3982 <i>Indigofera monophylla</i>			
207.	16489 <i>Leptosema macrocarpum</i>			
208.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
209.	20027 <i>Mirbelia</i> sp. <i>Carnarvon</i> (J.S. Beard 6008)			
210.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
211.	12280 <i>Senna artemisioides</i> subsp. <i>oligophylla</i>			
212.	18443 <i>Senna ferraria</i>			
213.	12309 <i>Senna glutinosa</i> subsp. <i>pruinosa</i>			
214.	13592 <i>Swainsona calcicola</i>			
215.	13596 <i>Swainsona complanata</i>			
216.	4231 <i>Swainsona kingii</i>			
217.	4242 <i>Swainsona pterostylis</i>			
218.	19531 <i>Tephrosia rosea</i> var. <i>clementii</i>			
Falconidae				
219.	25621 <i>Falco berigora</i> (Brown Falcon)			
220.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
221.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Filistatidae				
222.	<i>Wandella waldockae</i>			
223.	<i>Yardiella humphreysi</i>			
Fistulariidae				
224.	<i>Fistularia petimba</i>			
Frankeniaceae				
225.	5209 <i>Frankenia pauciflora</i> (Seaheath)			
Gallieniellidae				
226.	<i>Oreo capensis</i>			
Gekkonidae				
227.	24956 <i>Gehyra pilbara</i>			
228.	24959 <i>Gehyra variegata</i>			
229.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Gentianaceae				
230.	41646 <i>Schenkia clementii</i>			
Geraniaceae				
231.	4334 <i>Erodium crinitum</i> (Corkscrew)			
232.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Gerreidae				
233.	<i>Gerres subfasciatus</i>			

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Gobiidae				
234.	<i>Priolepis nuchifasciata</i>			
235.	<i>Yongeichthys nebulosus</i>			
Goodeniaceae				
236.	7556 <i>Goodenia tenuiloba</i>			
237.	7588 <i>Lechenaultia subcymosa</i> (<i>Wide-branching Leschenaultia</i>)			
238.	12584 <i>Scaevola pulchella</i>			
239.	7643 <i>Scaevola sericophylla</i>			
240.	12586 <i>Scaevola spicigera</i>			
241.	7644 <i>Scaevola spinescens</i> (<i>Currant Bush, Maroon</i>)			
242.	7648 <i>Scaevola tomentosa</i> (<i>Raggedleaf Fanflower</i>)			
Gruidae				
243.	24484 <i>Grus rubicunda</i> (<i>Brolga</i>)			
Gyrostemonaceae				
244.	2784 <i>Gyrostemon ramulosus</i> (<i>Corkybark</i>)			
Haematopodidae				
245.	24487 <i>Haematopus longirostris</i> (<i>Pied Oystercatcher</i>)			
Halcyonidae				
246.	25548 <i>Todiramphus chloris</i> (<i>Collared Kingfisher</i>)			
247.	24306 <i>Todiramphus chloris</i> subsp. <i>pilbara</i> (<i>Collared Kingfisher</i>)			
248.	42351 <i>Todiramphus pyrrhopygius</i> (<i>Red-backed Kingfisher</i>)			
249.	25549 <i>Todiramphus sanctus</i> (<i>Sacred Kingfisher</i>)			
Haloragaceae				
250.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
251.	6180 <i>Haloragis trigonocarpa</i>			
Hemerocallidaceae				
252.	1286 <i>Corynotheca pungens</i>			
Hemiscylliidae				
253.	<i>Chiloscyllium punctatum</i>			
Hirundinidae				
254.	24491 <i>Hirundo neoxena</i> (<i>Welcome Swallow</i>)			
Hubbardiidae				
255.	33905 <i>Bamazomus subsolanus</i> (<i>Eastern Cape Range Bamazomus</i>)		T	
256.	33915 <i>Draculoides vinei</i> (<i>Cape Range Draculoides</i>)		P4	
Hyidae				
257.	<i>Indohya humphreysi</i>			
Hylidae				
258.	25375 <i>Cyclorana maini</i> (<i>Sheep Frog</i>)			
Hypnidae				
259.	<i>Hypnos monopterygium</i>			
Isoetaceae				
260.	7 <i>Isoetes australis</i>			
261.	9 <i>Isoetes caroli</i>			
262.	11 <i>Isoetes drummondii</i> (<i>Quillwort</i>)			
263.	12 <i>Isoetes inflata</i>			
Ixodidae				
264.	<i>Amblyomma calabyi</i>			Y
Lamiaceae				
265.	13689 <i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>			
266.	41063 <i>Quoya loxocarpa</i>			
267.	6827 <i>Spartothamnella teucriflora</i>			
Lamponidae				
268.	<i>Asadipus barlee</i>			
269.	<i>Lampona quinqueplagiata</i>			
270.	<i>Notsodipus capensis</i>			
271.	<i>Pseudolampona marun</i>			
Laridae				
272.	24522 <i>Sterna bergii</i> (<i>Crested Tern</i>)			
273.	24523 <i>Sterna caspia</i> (<i>Caspian Tern</i>)		IA	
274.	24530 <i>Sterna nereis</i> subsp. <i>nereis</i> (<i>Fairy Tern</i>)		T	

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Lauraceae				
275.	12073 <i>Cassytha aurea</i> var. <i>aurea</i>			
276.	11242 <i>Cassytha racemosa</i> forma <i>pilosa</i>			
Limnodynastidae				
277.	25424 <i>Neobatrachus fulvus</i> (Tawny Trilling Frog)			
278.	25427 <i>Neobatrachus sutor</i> (Shoemaker Frog)			
Linyphiidae				
279.	<i>Chthiononetes tenuis</i>			
Loranthaceae				
280.	2372 <i>Amyema fitzgeraldii</i> (Pincushion Mistletoe)			
281.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
282.	11874 <i>Amyema sanguinea</i> var. <i>sanguinea</i>			
Lutjanidae				
283.	<i>Lutjanus erythropterus</i>			
Lycopodiaceae				
284.	4 <i>Phylloglossum drummondii</i> (Pigmy Clubmoss)			
Macropodidae				
285.	24135 <i>Macropus robustus</i> subsp. <i>erubescens</i> (Euro, Biggada)			
286.	24142 <i>Petrogale lateralis</i> subsp. <i>lateralis</i> (Black-flanked Rock-wallaby, Black-footed Rock-wallaby)			T
Maluridae				
287.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
288.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
289.	24549 <i>Malurus leucopterus</i> subsp. <i>leuconotus</i> (White-winged Fairy-wren)			
290.	25656 <i>Stipiturus ruficeps</i> (Rufous-crowned Emu-wren)			
Malvaceae				
291.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
292.	12714 <i>Brachychiton obtusilobus</i>			P4
293.	18411 <i>Corchorus congener</i>			P3
294.	13560 <i>Corchorus crozophorifolius</i>			
295.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
296.	11559 <i>Gossypium sturtianum</i> var. <i>sturtianum</i>			
297.	5022 <i>Keraudrenia hermanniifolia</i>			
298.	4962 <i>Malvastrum americanum</i> (Spiked Malvastrum)	Y		
299.	5051 <i>Melhania oblongifolia</i>			
300.	18149 <i>Sida rohlenae</i> subsp. <i>rohlenae</i>			
301.	5106 <i>Waltheria indica</i>			
Marsileaceae				
302.	76 <i>Marsilea hirsuta</i> (Nardoo)			
Meliphagidae				
303.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
304.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
305.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
306.	42341 <i>Ptilotula penicillatus</i> (White-plumed Honeyeater)			
Meropidae				
307.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			IA
Miturgidae				
308.	<i>Miturga occidentalis</i>			
Monacanthidae				
309.	<i>Paramonacanthus choirocephalus</i>			
310.	<i>Pseudomonacanthus peroni</i>			
Monocentrididae				
311.	<i>Monocentris japonicus</i>			
Monodactylidae				
312.	<i>Monodactylus argenteus</i>			
Moraceae				
313.	19648 <i>Ficus brachypoda</i>			
Motacillidae				
314.	24599 <i>Anthus australis</i> subsp. <i>australis</i> (Australian Pipit)			
Mugilidae				
315.	<i>Liza</i> sp.			

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Mullidae				
316.	<i>Upeneus tragula</i>			
Muridae				
317.	24218 <i>Leporillus apicalis</i> (Lesser Stick-nest Rat)		X	
318.	24222 <i>Mesembriomys macrurus</i> (Golden-backed Tree-rat)		T	
319.	24223 <i>Mus musculus</i> (House Mouse)	Y		
320.	24233 <i>Pseudomys chapmani</i> (Western Pebble-mound Mouse, Ngadjji)		P4	
321.	24236 <i>Pseudomys fieldi</i> (Shark Bay Mouse, Djoongari)		T	
322.	24237 <i>Pseudomys hermannsburgensis</i> (Sandy Inland Mouse)			
323.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
324.	24246 <i>Rattus tunneyi</i> (Pale Field-rat)			
325.	24249 <i>Zyomys pedunculatus</i> (Central Rock-rat, Antina)		T	
Myobatrachidae				
326.	25432 <i>Pseudophryne douglasi</i> (Gorge Toadlet)			
Myrtaceae				
327.	35798 <i>Calothamnus borealis</i> subsp. <i>borealis</i>			
328.	5484 <i>Calytrix truncatifolia</i>			
329.	17093 <i>Corymbia hamersleyana</i>			
330.	17092 <i>Corymbia opaca</i>			
331.	33519 <i>Eucalyptus baiophylla</i>			
332.	5752 <i>Eucalyptus prominens</i>			
333.	15597 <i>Eucalyptus ultima</i>			
334.	14548 <i>Eucalyptus victrix</i>			
335.	15592 <i>Eucalyptus xerothermica</i>			
336.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
337.	6010 <i>Pileanthus limacis</i> (Coastal Coppercups)			
338.	18260 <i>Pileanthus septentrionalis</i>			
339.	44710 <i>Thryptomene dampieri</i>			
340.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			
341.	12457 <i>Verticordia serotina</i>		P2	
Nemipteridae				
342.	<i>Nemipterus peronii</i>			
343.	<i>Scolopsis monogramma</i>			
Nephilidae				
344.	<i>Nephila plumipes</i>			
Nocticolidae				
345.	33985 <i>Nocticola flabella</i> (Cape Range Blind Cockroach)		P2	
Olacaceae				
346.	2364 <i>Olax aurantia</i>			
Oleaceae				
347.	29056 <i>Jasminum</i> sp. <i>Exmouth</i> (G. Marsh 77)			
Onopidae				
348.	<i>Prethopalpus infemalis</i>			Y
Ophichthidae				
349.	<i>Cirrhimuraena calamus</i>			
Ostraciidae				
350.	<i>Lactoria cornuta</i>			
Otididae				
351.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
Pachycephalidae				
352.	24612 <i>Colluricincla harmonica</i> subsp. <i>kolichisi</i> (Grey Shrike-thrush)			
353.	24613 <i>Colluricincla harmonica</i> subsp. <i>rufiventris</i> (Grey Shrike-thrush)			
354.	24618 <i>Oreica gutturalis</i> (Crested Bellbird)			
355.	24620 <i>Pachycephala lanioides</i> (White-breasted Whistler)			
356.	25678 <i>Pachycephala melanura</i> (Mangrove Golden Whistler)			
357.	24621 <i>Pachycephala melanura</i> subsp. <i>melanura</i> (Mangrove Golden Whistler)			
Paradoxosomatidae				
358.	<i>Boreoheperus capensis</i>			
359.	<i>Stygiochiropus communis</i>			
Paralichthyidae				
360.	<i>Pseudorhombus duplicicellatus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Pardalotidae				
361.	24627 <i>Pardalotus rubricatus</i> (Red-browed Pardalote)			
362.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
Pegasidae				
363.	<i>Pegasus volitans</i>			
Pelecanidae				
364.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Petroicidae				
365.	24653 <i>Eopsaltria pulverulenta</i> (Mangrove Robin)			
Phalacrocoracidae				
366.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
367.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
Phasianidae				
368.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
Pholcidae				
369.	<i>Trichocyclus septentrionalis</i>			
Phrymaceae				
370.	7082 <i>Mimulus gracilis</i>			
Phyllanthaceae				
371.	20228 <i>Phyllanthus</i> sp. Coastal North West (J.Z. Weber 4919)			
372.	4706 <i>Sauropus crassifolius</i>			
Pinguipedidae				
373.	<i>Parapercis nebulosa</i>			
Plantaginaceae				
374.	7098 <i>Stemodia grossa</i> (Marsh Stemodia, Mindjaara)			
Platycephalidae				
375.	<i>Cymbacephalus nematophthalmus</i>			
376.	<i>Inegocia japonica</i>			
Plotosidae				
377.	<i>Plotosus lineatus</i>			
Plumbaginaceae				
378.	6486 <i>Aegialitis annulata</i> (Club Mangrove)			
379.	6491 <i>Plumbago zeylanica</i> (Native Plumbago)			
Poaceae				
380.	12063 <i>Aristida holathera</i> var. <i>holathera</i>			
381.	217 <i>Aristida nitidula</i> (Flat-awned Threeween)			
382.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)			Y
383.	279 <i>Cymbopogon ambiguus</i> (Scentgrass)			
384.	357 <i>Enneapogon caerulescens</i> (Limestone Grass)			
385.	378 <i>Eragrostis dielsii</i> (Mallee Lovegrass)			
386.	381 <i>Eragrostis falcata</i> (Sickle Lovegrass)			
387.	411 <i>Eriachne helmsii</i> (Buck Wanderrrie Grass)			
388.	503 <i>Panicum decompositum</i> (Native Millet, Kaltu-kaltu)			
389.	679 <i>Triodia angusta</i>			
390.	704 <i>Triodia wiseana</i> (Limestone Spinifex)			
391.	706 <i>Triraphis mollis</i> (Needle Grass)			
Podargidae				
392.	24679 <i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			
Poeciliidae				
393.	<i>Gambusia holbrooki</i>			
394.	<i>Poecilia reticulata</i>			
Pomacanthidae				
395.	<i>Chaetodontoplus duboulayi</i>			
Potoroidae				
396.	24161 <i>Bettongia lesueur</i> subsp. <i>graii</i> (Boodie, Burrowing Bettong)			
397.	24164 <i>Potorous platyops</i> (Broad-faced Potoroo)			X
Pottiaceae				
398.	32415 <i>Pottia scabrifolia</i>			
Priacanthidae				
399.	<i>Priacanthus tayenus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Prodidomidae				
400.	<i>Nomindra leeuweni</i>			
401.	<i>Wesmaldra learnmonth</i>			
Proteaceae				
402.	1972 <i>Grevillea calcicola</i>		P3	
403.	2001 <i>Grevillea eriostachya</i> (<i>Flame Grevillea, Kaliny-kaliny</i>)			
404.	2096 <i>Grevillea stenobotrya</i>			
405.	2117 <i>Grevillea variifolia</i> (<i>Cape Range Grevillea</i>)			
406.	15685 <i>Grevillea variifolia</i> subsp. <i>variifolia</i>			
407.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Pseudochromidae				
408.	<i>Assiculus punctatus</i>			
409.	<i>Congrogadus malayanus</i>			
Psittacidae				
410.	25716 <i>Cacatua sanguinea</i> (<i>Little Corella</i>)			
411.	24751 <i>Platycercus zonarius</i> subsp. <i>zonarius</i> (<i>Port Lincoln Parrot</i>)			
Pteropodidae				
412.	24173 <i>Pteropus scapulatus</i> (<i>Little Red Flying-fox</i>)			
Pygopodidae				
413.	30829 <i>Delma tealei</i>			
414.	25004 <i>Delma tincta</i>			
415.	25005 <i>Lialis burtonis</i>			
Recurvirostridae				
416.	25734 <i>Himantopus himantopus</i> (<i>Black-winged Stilt</i>)			
Rhizophoraceae				
417.	39680 <i>Ceriops australis</i>			
418.	5295 <i>Rhizophora stylosa</i> (<i>Spotted-leaved Red Mangrove</i>)			
Salticidae				
419.	<i>Cosmophasis baehrae</i>			
420.	<i>Ocrisiona leucocomis</i>			
Santalaceae				
421.	10977 <i>Exocarpos aphyllus</i> (<i>Leafless Ballart</i>)			
422.	10765 <i>Exocarpos sparteus</i> (<i>Broom Ballart, Djuk</i>)			
Sapindaceae				
423.	4745 <i>Diplopeltis eriocarpa</i> (<i>Hairy Pepperflower</i>)			
Sargassaceae				
424.	42785 <i>Sirophysalis trinodis</i>			
Schendylidae				
425.	<i>Australoschendyla capensis</i>			
Scincidae				
426.	25015 <i>Carlia munda</i> (<i>Shaded-litter Rainbow Skink</i>)			
427.	25020 <i>Cryptoblepharus plagiocephalus</i>			
428.	25043 <i>Ctenotus grandis</i> subsp. <i>titan</i>			
429.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (<i>Leopard Ctenotus</i>)			
430.	25073 <i>Ctenotus saxatilis</i> (<i>Rock Ctenotus</i>)			
431.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (<i>Slender Blue-tongue</i>)			
432.	42404 <i>Eremiascincus isolepis</i>			
433.	25120 <i>Lerista allochira</i> (<i>Cape Range Slider</i>)		P3	
434.	30928 <i>Lerista clara</i>			
435.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
436.	25176 <i>Lerista uniduo</i> (<i>Spotted Broad-blazed Slider, skink</i>)			
437.	25184 <i>Menetia greyii</i>			
438.	25491 <i>Menetia surda</i>			
439.	25193 <i>Morethia ruficauda</i> subsp. <i>exquisita</i>			
440.	25202 <i>Tiliqua multifasciata</i> (<i>Central Blue-tongue</i>)			
Scolopacidae				
441.	41323 <i>Actitis hypoleucos</i> (<i>Common Sandpiper</i>)		IA	
442.	25736 <i>Arenaria interpres</i> (<i>Ruddy Turnstone</i>)		IA	
443.	24808 <i>Tringa nebularia</i> (<i>Common Greenshank</i>)		IA	
Scolopendridae				
444.	<i>Scolopendra morsitans</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Scombridae				
445.	<i>Scomberomorus commerson</i>			
Scorpaenidae				
446.	<i>Apistus carinatus</i>			
447.	<i>Paracentropogon vespa</i>			
448.	<i>Scorpaenodes guamensis</i>			
Scrophulariaceae				
449.	16363 <i>Eremophila maculata</i> subsp. <i>brevifolia</i> (Native Fuchsia)			
450.	16733 <i>Eremophila setacea</i>			
451.	23997 <i>Eremophila tietkensis</i>			
452.	17158 <i>Myoporum montanum</i> (Native Myrtle)			
Scutigeridae				
453.	<i>Thereuopoda lesueurii</i>			
Selaginellaceae				
454.	5 <i>Selaginella ciliaris</i>			
455.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
Siganidae				
456.	<i>Siganus spinus</i>			
Sillaginidae				
457.	<i>Sillago analis</i>			
458.	<i>Sillago lutea</i>			
459.	<i>Sillago maculata</i>			
Solanaceae				
460.	11856 <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i>			
Sparassidae				
461.	<i>Isopedella tindalei</i>			
Sparidae				
462.	<i>Rhabdosargus sarba</i>			
Sphyraenidae				
463.	<i>Sphyraena obtusata</i>			
Surianaceae				
464.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
Syarinidae				
465.	<i>Ideoblothrus papillon</i>			Y
466.	<i>Ideoblothrus woodi</i>			Y
Sylviidae				
467.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
468.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
469.	24837 <i>Eremiornis carteri</i> (Spinifex-bird)			
Symphytognathidae				
470.	<i>Anapistula troglobia</i>			Y
Syngnathidae				
471.	<i>Trachyrhamphus longirostris</i>			Y
Synodontidae				
472.	<i>Trachinocephalus myops</i>			
Tengellidae				
473.	<i>Bengalla bertmaini</i>			
Terapontidae				
474.	<i>Pelates sexlineatus</i>			
Tetragnathidae				
475.	<i>Tetragnatha demissa</i>			
Tetraodontidae				
476.	<i>Arothron manillensis</i>			
477.	<i>Arothron stellatus</i>			
478.	<i>Feroxodon multistriatus</i>			
479.	<i>Lagocephalus sceleratus</i>			
480.	<i>Torquigener pallimaculatus</i>			
481.	<i>Torquigener whitleyi</i>			
Theridiidae				
482.	<i>Latrodectus hasseltii</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Thymelaeaceae				
483.	11185 <i>Pimelea microcephala</i> subsp. <i>microcephala</i>			
Triacanthidae				
484.	<i>Triacanthus biaculeatus</i>			
Trochanteriidae				
485.	<i>Trachyspina capensis</i>			
Turnicidae				
486.	24851 <i>Turnix velox</i> (Little Button-quail)			
Unidentified Larvae				
487.	? ?			
Varanidae				
488.	25209 <i>Varanus acanthurus</i> (Spiny-tailed Monitor)			
Vespertilionidae				
489.	24194 <i>Nyctophilus geoffroyi</i> (Lesser Long-eared Bat)			
490.	24205 <i>Vespadelus finlaysoni</i> (Finlayson's Cave Bat)			
Zodariidae				
491.	<i>Euasteron ursulae</i>			
492.	<i>Masasteron gracilis</i>			
493.	<i>Masasteron sampeyae</i>			
494.	<i>Storena sinuosa</i>			
Zosteropidae				
495.	24857 <i>Zosterops luteus</i> (Yellow White-eye)			
Zygophyllaceae				
496.	18072 <i>Tribulus suberosus</i>			
497.	4395 <i>Zygophyllum retivalve</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:32:29

[Summary](#)

[Details](#)

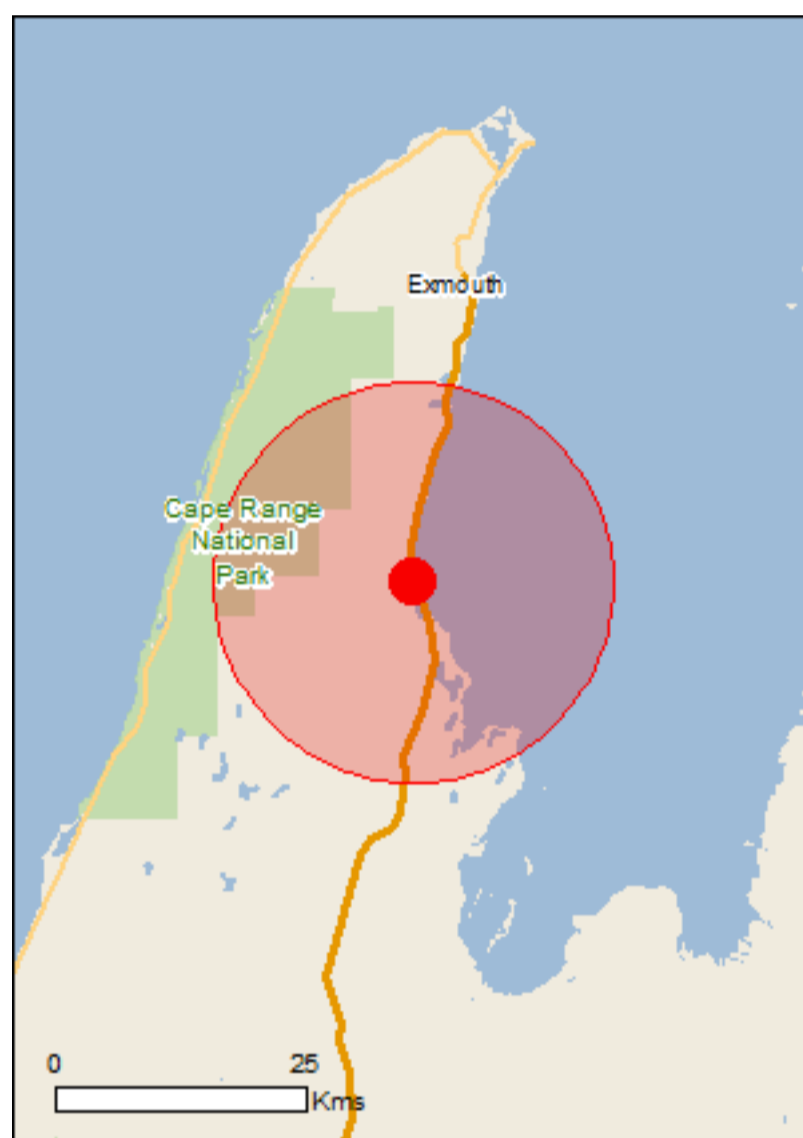
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

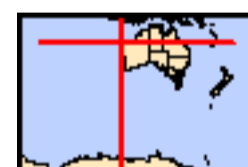
[Acknowledgements](#)



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[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	21
Listed Migratory Species:	26

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	4
Commonwealth Heritage Places:	None
Listed Marine Species:	60
Whales and Other Cetaceans:	12
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	1
Regional Forest Agreements:	None
Invasive Species:	10
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties		[Resource Information]
Name	State	Status
The Ningaloo Coast	WA	Declared property

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding known to occur within area
Thalassarche melanophris impavida Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area

Fish		
Milyeringa veritas Blind Gudgeon [66676]	Vulnerable	Species or species habitat likely to occur within area
Ophisternon candidum Blind Cave Eel [66678]	Vulnerable	Species or species habitat likely to occur within area

Mammals		
Dasyurus hallucatus Northern Quoll [331]	Endangered	Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat known to occur within area
Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within area

Reptiles		
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species

Name	Status	Type of Presence
Caretta caretta Loggerhead Turtle [1763]	Endangered	habitat known to occur within area Foraging, feeding or related behaviour known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area

Sharks

Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat likely to occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat likely to occur within area
Pristis clavata Dwarf Sawfish, Queensland Sawfish [68447]	Vulnerable	Species or species habitat known to occur within area
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species

[[Resource Information](#)]

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

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area

Migratory Marine Species

Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat likely to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or

Name	Threatened	Type of Presence
Chelonia mydas Green Turtle [1765]	Vulnerable	related behaviour known to occur within area Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Dugong dugon Dugong [28]		Breeding known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	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 known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat likely to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Pandion cristatus Eastern Osprey [82411]		Breeding known to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [\[Resource Information \]](#)

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

Name
Commonwealth Land - Defence - EXMOUTH NAVAL HF RECEIVING STATION (H/F Receiving Station, Learmonth, WA) Defence - LEARMONTH - RAAF BASE Defence - LEARMONTH TRANSMITTING STATION

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within

Name	Threatened	Type of Presence area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat likely to occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Fish		
Acentronura larsonae Helen's Pygmy Pipehorse [66186]		Species or species habitat may occur within area
Bulbonaricus brauni Braun's Pughead Pipefish, Pug-headed Pipefish [66189]		Species or species habitat may occur within area
Campichthys tricarinatus Three-keel Pipefish [66192]		Species or species habitat may occur within area
Choeroichthys brachysoma Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area
Choeroichthys latispinosus Muiron Island Pipefish [66196]		Species or species habitat may occur within area
Choeroichthys suillus Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
Doryrhamphus dactyliophorus Banded Pipefish, Ringed Pipefish [66210]		Species or species habitat may occur within area
Doryrhamphus janssi Cleaner Pipefish, Janss' Pipefish [66212]		Species or species habitat may occur within area
Doryrhamphus multiannulatus Many-banded Pipefish [66717]		Species or species habitat may occur within area
Doryrhamphus negrosensis Flagtail Pipefish, Masthead Island Pipefish [66213]		Species or species habitat may occur within area
Festucalex scalaris Ladder Pipefish [66216]		Species or species habitat may occur within area
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area
Halicampus brocki Brock's Pipefish [66219]		Species or species habitat may occur within area
Halicampus grayi Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Halicampus nitidus Glittering Pipefish [66224]		Species or species habitat may occur within area
Halicampus spirostris Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
Haliichthys taeniophorus Ribbioned Pipehorse, Ribbioned Seadragon [66226]		Species or species habitat may occur within area
Hippichthys penicillus Beady Pipefish, Steep-nosed Pipefish [66231]		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 histrix Spiny Seahorse, Thorny Seahorse [66236]		Species or species habitat may occur within area
Hippocampus kuda Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area
Micrognathus micronotopterus Tidepool Pipefish [66255]		Species or species habitat may occur within area
Phoxocampus belcheri Black Rock Pipefish [66719]		Species or species habitat may occur within area
Solegnathus hardwickii Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
Solenostomus paegnius Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area
Mammals		
Dugong dugon Dugong [28]		Breeding known to occur within area
Reptiles		

Name	Threatened	Type of Presence
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat known to occur within area
Aipysurus duboisii Dubois' Seasnake [1116]		Species or species habitat may occur within area
Aipysurus eydouxii Spine-tailed Seasnake [1117]		Species or species habitat may occur within area
Aipysurus laevis Olive Seasnake [1120]		Species or species habitat may occur within area
Astrotia stokesii Stokes' Seasnake [1122]		Species or species habitat may occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Foraging, feeding or related behaviour known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Disteira kingii Spectacled Seasnake [1123]		Species or species habitat may occur within area
Disteira major Olive-headed Seasnake [1124]		Species or species habitat may occur within area
Emydocephalus annulatus Turtle-headed Seasnake [1125]		Species or species habitat may occur within area
Ephalophis greyi North-western Mangrove Seasnake [1127]		Species or species habitat may occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Hydrophis elegans Elegant Seasnake [1104]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Pelamis platurus Yellow-bellied Seasnake [1091]		Species or species habitat may 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

Name	Status	Type of Presence
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat may occur within area
Grampus griseus Risso's Dolphin, Grampus [64]		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
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat likely to occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

State and Territory Reserves	[Resource Information]
Name	State
Cape Range	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 Resources Audit, 2001.	

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Capra hircus Goat [2]		Species or species habitat likely to occur

Name	Status	Type of Presence within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area

Nationally Important Wetlands		[Resource Information]
Name		State
Cape Range Subterranean Waterways		WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.18197 114.08059

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 202.1 to 204.4

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 114°05' 51" E, 22°14' 35" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	4	12
Acanthizidae	3	10
Accipitridae	6	12
Actinopodidae	1	3
Aegothelidae	1	1
Agamidae	9	51
Alaudidae	1	1
Amaranthaceae	5	13
Ambassidae	1	1
Antennariidae	1	1
Apiaceae	1	1
Apocynaceae	2	2
Apogonidae	2	4
Araneidae	5	10
Ardeidae	1	1
Argasidae	1	4
Ariidae	1	1
Artamidae	5	12
Asparagaceae	3	4
Asphodelaceae	1	1
Assamiidae	1	2
Asteraceae	21	42
Atherinidae	1	1
Balaenopteridae	1	105
Balistidae	1	1
Bathysauridae	2	2
Batrachoididae	1	2
Boidae	2	2
Boraginaceae	1	2
Bothriuridae	1	1
Bovidae	1	1
Brassicaceae	3	5
Buthidae	2	5
Callionymidae	3	3
Campanulaceae	1	1
Campephagidae	3	9
Capparaceae	3	4
Carangidae	8	8
Casuariidae	1	1
Celastraceae	2	4
Chaetodontidae	1	1
Chanidae	1	1
Charadriidae	2	5
Cheloniidae	1	1
Chenopodiaceae	10	11
Chirocentridae	1	1
Chthoniidae	3	31
Cinclosomatidae	1	1
Cleomaceae	1	1
Columbidae	3	13
Convolvulaceae	3	3
Corvidae	2	3
Cracticidae	2	13
Crasulaceae	1	1
Cuculidae	2	7
Cynoglossidae	1	1
Dactylopteridae	1	1
Dasyuridae	6	19
Delphinidae	4	35
Dicaeidae	1	4
Dicruridae	3	21
Dictyotaceae	1	1
Dilleniaceae	1	2
Diplodactylidae	7	21
Dugongidae	1	4
Elapidae	13	25
Emballonuridae	1	1
Erythraeidae	1	9
Estrilidae	2	9
Euphorbiaceae	5	7
Fabaceae	34	80
Falconidae	3	10
Filistatidae	2	5
Fistulariidae	1	1
Frankeniaceae	1	1
Gallieniellidae	1	12
Gekkonidae	3	57

Gentianaceae	1	2
Geraniaceae	2	4
Gerreidae	1	1
Gobiidae	2	4
Gobioididae	1	1
Goodeniaceae	5	9
Gruidae	1	1
Gyrostemonaceae	1	2
Haematopodidae	1	1
Halcyonidae	4	7
Haloragaceae	2	2
Hemerocallidaceae	1	1
Hemiscylliidae	1	1
Hirundinidae	1	6
Hubbardiidae	2	150
Hyidae	1	5
Hylidae	1	1
Hyphidae	1	1
Isoetaceae	2	2
Ixodidae	1	3
Lamiaceae	3	6
Lamponidae	7	13
Lauraceae	2	4
Limnodynastidae	2	12
Linyphiidae	1	1
Loganiaceae	1	2
Loranthaceae	3	7
Lutjanidae	1	1
Macropodidae	2	13
Maluridae	4	15
Malvaceae	10	21
Marsileaceae	1	1
Meliphagidae	6	19
Meropidae	1	3
Miturgidae	1	1
Monacanthidae	2	2
Monocentrididae	1	1
Monodactylidae	1	1
Moraceae	1	1
Motacillidae	1	3
Mugilidae	1	3
Mullidae	1	1
Muridae	8	34
Myobatrachidae	1	7
Myrtaceae	14	63
Nemipteridae	2	2
Nephilidae	1	1
Nocticolidae	1	8
Oleaceae	1	1
Oleaceae	1	2
Oonopidae	1	1
Ophichthidae	1	1
Ostraciidae	1	2
Otididae	1	2
Pachycephalidae	7	29
Paradoxosomatidae	2	152
Paralichthyidae	1	1
Pardalotidae	2	3
Pegasidae	1	1
Pelecanidae	1	2
Phalacrocoracidae	1	1
Pholcidae	1	10
Phrymaceae	1	5
Phyllanthaceae	2	3
Pinguipedidae	1	3
Plantaginaceae	1	1
Platycephalidae	2	2
Plotosidae	1	1
Plumbaginaceae	2	3
Poaceae	13	19
Podargidae	1	1
Poeciliidae	2	2
Pomacanthidae	1	1
Potoroidae	2	2
Pottiaceae	1	1
Priacanthidae	1	1
Prodidomidae	2	25
Proteaceae	6	15
Pseudochromidae	2	3
Psittacidae	2	4
Pteridaceae	1	1
Pteropodidae	1	2
Pygopodidae	3	15
Recurvirostridae	1	1
Rhizophoraceae	2	5
Salticidae	2	3
Santalaceae	2	5
Sapindaceae	1	1
Sargassaceae	1	1
Schendylidae	1	5
Scincidae	13	64
Scolopacidae	3	4
Scolopendridae	1	2
Scorbridae	1	1
Scorpaenidae	3	3
Scrophulariaceae	6	7
Scutigerae	1	1
Selaginellaceae	2	2
Siganidae	1	1
Sillaginidae	3	3
Solanaceae	1	1
Sparassidae	1	6
Sparidae	1	1
Sphyraenidae	1	1
Surianaceae	1	1

Syarinidae	2	8
Sylviidae	3	4
Symphytognathidae	1	10
Syngnathidae	1	1
Synodontidae	1	1
Tengellidae	1	63
Terapontidae	1	1
Tetragnathidae	1	1
Tetraodontidae	6	11
Theridiidae	1	5
Thymelaeaceae	1	1
Triacanthidae	1	1
Trochanteridae	1	6
Turnicidae	1	2
Unidentified Larvae	1	1
Varanidae	1	1
Vespertilionidae	2	5
Zodariidae	4	22
Zosteropidae	1	3
Zygophyllaceae	2	5
TOTAL	504	1804

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	6828 <i>Avicennia marina</i> (White Mangrove)			
2.	7164 <i>Dicladanthera forrestii</i>			
3.	11320 <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>			
4.	11746 <i>Dipteracanthus australasicus</i> subsp. <i>corynothecus</i>			
Acanthizidae				
5.	24269 <i>Calamanthus campestris</i> (Rufous Fieldwren)			
6.	<i>Calamanthus campestris</i> subsp. <i>campestris</i>			Y
7.	24276 <i>Gerygone tenebrosa</i> (Dusky Gerygone)			
Accipitridae				
8.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
9.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
10.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)		IA	
11.	25541 <i>Haliastur indus</i> (Brahminy Kite)			
12.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
13.	25542 <i>Milvus migrans</i> (Black Kite)			
Actinopodidae				
14.	<i>Missulena occatoria</i>			
Aegothelidae				
15.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
Agamidae				
16.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
17.	24868 <i>Ctenophorus clayi</i> (Collared Dragon)			
18.	24872 <i>Ctenophorus femoralis</i> (Dune Dragon)			
19.	24875 <i>Ctenophorus isolepis</i> subsp. <i>gularis</i> (Central Military Dragon)			
20.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
21.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
22.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
23.	24904 <i>Moloch horridus</i> (Thorny Devil)			
24.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
Alaudidae				
25.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Amaranthaceae				
26.	41506 <i>Ptilotus gaudichaudii</i> subsp. <i>gaudichaudii</i>			
27.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
28.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (Yellow Tails)			
29.	2747 <i>Ptilotus obovatus</i> (Cotton Bush)			
30.	2766 <i>Ptilotus villosiflorus</i>			
Ambassidae				
31.	<i>Ambassis vachellii</i>			
Antennariidae				
32.	<i>Lophiocharon trisignatus</i>			
Apiaceae				
33.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
Apocynaceae				
34.	12949 <i>Marsdenia australis</i>			
35.	13006 <i>Sarcostemma viminale</i> subsp. <i>australe</i>			
Apogonidae				
36.	<i>Apogon brevicaudatus</i>			
37.	<i>Apogon poecilopterus</i>			
Araneidae				
38.	<i>Argiope protensa</i>			
39.	<i>Backbourkia collina</i>			
40.	<i>Cyclosa camelodes</i>			
41.	<i>Cyrtobill darwini</i>			
42.	<i>Heurodes turrinus</i>			
Ardeidae				
43.	41324 <i>Ardea modesta</i> (Eastern Great Egret)		IA	
Argasidae				
44.	<i>Ornithodoros gurneyi</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Ariidae				
45.	<i>Arius thalassinus</i>			
Artamidae				
46.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
47.	25567 <i>Artamus leucorhynchus</i> (White-breasted Woodswallow)			
48.	24354 <i>Artamus leucorhynchus</i> subsp. <i>leucopygialis</i> (White-breasted Woodswallow)			
49.	24355 <i>Artamus minor</i> (Little Woodswallow)			
50.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asparagaceae				
51.	1208 <i>Acanthocarpus preissii</i>			
52.	1210 <i>Acanthocarpus rupestris</i>		P2	
53.	1343 <i>Thysanotus patersonii</i>			
Asphodelaceae				
54.	14312 <i>Bulbine pendula</i>			
Assamiidae				
55.	<i>Dampetrus isolatus</i>			
Asteraceae				
56.	7822 <i>Angianthus acrohyalinus</i> (Hook-leaf Angianthus)			
57.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
58.	7906 <i>Calotis plumulifera</i>			
59.	12612 <i>Chrysocephalum apiculatum</i>			
60.	7958 <i>Decazesia hecatocephala</i>			
61.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
62.	8105 <i>Millotia myosotidifolia</i>			
63.	42024 <i>Olearia</i> sp. Kennedy Range (G. Byrne 66)			
64.	34997 <i>Peripleura arida</i>			
65.	17816 <i>Pluchea ferdinandi-muelleri</i>			
66.	8168 <i>Pluchea rubelliflora</i>			
67.	8192 <i>Pterocaulon sphacelatum</i> (Apple Bush)			
68.	8193 <i>Pterocaulon sphaeranthoides</i>			
69.	13301 <i>Rhodanthe floribunda</i>			
70.	13246 <i>Rhodanthe humboldtiana</i>			
71.	13285 <i>Schoenia ayersii</i>			
72.	8213 <i>Senecio magnificus</i> (Showy Groundsel)			
73.	25883 <i>Senecio pinnatifolius</i> var. <i>pinnatifolius</i>			
74.	8223 <i>Sigesbeckia orientalis</i> (Indian Weed)	Y		
75.	8237 <i>Streptoglossa decurrens</i>			
76.	8238 <i>Streptoglossa liatroides</i>			
Atherinidae				
77.	<i>Atherinomorus vaiigiensis</i>			
Balaenopteridae				
78.	24051 <i>Megaptera novaeangliae</i> (Humpback Whale)			T
Balistidae				
79.	<i>Rhinecanthus aculeatus</i>			
Bathysauridae				
80.	<i>Saurida grandisquamis</i>			
81.	<i>Saurida undosquamis</i>			
Batrachoididae				
82.	<i>Halophryne diemensis</i>			
Boidae				
83.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
84.	25320 <i>Aspidites melanocephalus</i> (Black-headed Python)			
Boraginaceae				
85.	6705 <i>Heliotropium crispatum</i>			
Bothriuridae				
86.	<i>Cercophonius granulatus</i>			
Bovidae				
87.	24251 <i>Bos taurus</i> (European Cattle)	Y		
Brassicaceae				
88.	3035 <i>Lepidium pedicellosum</i>			
89.	3039 <i>Lepidium platypetalum</i> (Slender Peppergrass)			
90.	3072 <i>Sisymbrium orientale</i> (Indian Hedge Mustard)	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Buthidae				
91.	<i>Lychas mjobergi</i>			
92.	<i>Urodacus hoplurus</i>			
Callionymidae				
93.	<i>Callionymus grossi</i>			
94.	<i>Callionymus sublaevis</i>			
95.	<i>Dactylopus dactylopus</i>			
Campanulaceae				
96.	7393 <i>Wahlenbergia tumidifruca</i>			
Campephagidae				
97.	25568 <i>Coracina novaehollandiae</i> (<i>Black-faced Cuckoo-shrike</i>)			
98.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (<i>Black-faced Cuckoo-shrike</i>)			
99.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (<i>Black-faced Cuckoo-shrike</i>)			
Capparaceae				
100.	2976 <i>Capparis lasiantha</i> (<i>Split Jack, Balqarda</i>)			
101.	2978 <i>Capparis mitchellii</i> (<i>Wild Orange</i>)			
102.	11670 <i>Capparis spinosa</i> var. <i>nummularia</i> (<i>Coastal Caper</i>)			
Carangidae				
103.	<i>Alectis indica</i>			
104.	<i>Carangoides coeruleopinnatus</i>			
105.	<i>Carangoides hedlandensis</i>			
106.	<i>Decapterus russelli</i>			
107.	<i>Gnathanodon speciosus</i>			
108.	<i>Scomberoides commersonianus</i>			
109.	<i>Scomberoides lysan</i>			
110.	<i>Seriolina nigrofasciata</i>			
Casuariidae				
111.	24470 <i>Dromaius novaehollandiae</i> (<i>Emu</i>)			
Celastraceae				
112.	4734 <i>Stackhousia muricata</i>			
113.	4736 <i>Stackhousia umbellata</i>		P3	
Chaetodontidae				
114.	<i>Coradion chrysozonus</i>			
Chanidae				
115.	<i>Chanos chanos</i>			
Charadriidae				
116.	24377 <i>Charadrius ruficapillus</i> (<i>Red-capped Plover</i>)			
117.	24386 <i>Vanellus tricolor</i> (<i>Banded Lapwing</i>)			
Cheloniidae				
118.	25336 <i>Chelonia mydas</i> (<i>Green Turtle</i>)			T
Chenopodiaceae				
119.	2456 <i>Atriplex elachophylla</i>			
120.	2463 <i>Atriplex isatidea</i> (<i>Coast Saltbush</i>)			
121.	2476 <i>Atriplex semilunaris</i> (<i>Annual Saltbush</i>)			
122.	2504 <i>Dysphania plantaginella</i>			
123.	2513 <i>Eremophea spinosa</i>			
124.	11662 <i>Maireana tomentosa</i> subsp. <i>tomentosa</i>			
125.	11240 <i>Rhagodia preissii</i> subsp. <i>obovata</i>			
126.	8877 <i>Sclerolaena gardneri</i>			
127.	2628 <i>Sclerolaena recurvicauspis</i>			
128.	2638 <i>Suaeda arbusculoides</i>			
Chirocentridae				
129.	<i>Chirocentrus dorab</i>			
Chthoniidae				
130.	<i>Austrochthonius easti</i>			
131.	<i>Tyrannochthonius brooksi</i>			
132.	<i>Tyrannochthonius butleri</i>			
Cinclosomatidae				
133.	24390 <i>Psophodes occidentalis</i> (<i>Western Wedgebill, Chiming Wedgebill</i>)			
Cleomaceae				
134.	2988 <i>Cleome viscosa</i> (<i>Tickweed, Tjinduwadhu</i>)			

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Columbidae				
135.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
136.	24404 <i>Geophaps plumifera</i> (Spinifex Pigeon)			
137.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Convolvulaceae				
138.	31274 <i>Duperreya commixta</i>			
139.	6624 <i>Ipomoea costata</i> (Rock Morning Glory, Kanti)			
140.	6641 <i>Ipomoea yardiensis</i> (Yardie Morning Glory)			
Corvidae				
141.	24416 <i>Corvus bennetti</i> (Little Crow)			
142.	25593 <i>Corvus orru</i> (Torresian Crow)			
Cracticidae				
143.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
144.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Crassulaceae				
145.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
Cuculidae				
146.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
147.	24431 <i>Chrysococcyx basalix</i> (Horsfield's Bronze Cuckoo)			
Cynoglossidae				
148.	<i>Paraplagusia bilineata</i>			
Dactylopteridae				
149.	<i>Dactyloptena papilio</i>			
Dasyuridae				
150.	24091 <i>Dasykaluta rosamondae</i> (Little Red Kaluta)			
151.	24095 <i>Ningaiu timealeyi</i> (Pilbara Ningaiu)			
152.	24098 <i>Phascogale calura</i> (Red-tailed Phascogale, Kenngoor)			T
153.	24105 <i>Pseudantechinus roryi</i> (Rory's Pseudantechinus)			
154.	24115 <i>Sminthopsis longicaudata</i> (Long-tailed Dunnart)			P4
155.	24116 <i>Sminthopsis macroura</i> (Stripe-faced Dunnart)			
Delphinidae				
156.	24054 <i>Globicephala macrorhynchus</i> (Short-finned Pilot Whale)			
157.	24060 <i>Orcaella heinsohni</i> (Australian Snubfin Dolphin)			P4
158.	24064 <i>Sousa chinensis</i> (Indo-Pacific Humpback Dolphin)			P4
159.	30954 <i>Tursiops aduncus</i> (Indo-Pacific Bottlenose Dolphin)			
Dicaeidae				
160.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae				
161.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
162.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
163.	24457 <i>Rhipidura phasiana</i> (Mangrove Grey Fantail)			
Dictyotaceae				
164.	26764 <i>Dictyopteris australis</i>			
Dilleniaceae				
165.	5171 <i>Hibbertia spicata</i>			
Diplodactylidae				
166.	34146 <i>Diplodactylus capensis</i> (Cape Range Stone Gecko)			P2
167.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
168.	24938 <i>Diplodactylus ornatus</i>			
169.	30933 <i>Lucasium stenodactylum</i>			
170.	24924 <i>Strophurus ciliaris</i> subsp. <i>aberrans</i>			
171.	24932 <i>Strophurus jeanae</i>			
172.	24946 <i>Strophurus strophurus</i>			
Dugongidae				
173.	24084 <i>Dugong dugon</i> (Dugong)			S
Elapidae				
174.	25332 <i>Acanthophis wellsi</i> (Pilbara Death Adder)			
175.	25350 <i>Aipysurus apraefrontalis</i> (Short-nosed Seasnake)			T
176.	25351 <i>Aipysurus duboisii</i> (Dubois' Seasnake)			
177.	25292 <i>Demansia calodera</i> (Black-necked Whipsnake)			
178.	25295 <i>Demansia psammophis</i> subsp. <i>cupreiceps</i> (Yellow-faced Whipsnake)			
179.	25362 <i>Ephalophis greyae</i>			

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180.	25301 <i>Furina ornata</i> (Moon Snake)			
181.	43385 <i>Hydrophis stokesii</i> (Stoke's Seasnake, Sea Snake)			
182.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
183.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
184.	25263 <i>Pseudonaja modesta</i> (Ringed Brown Snake)			
185.	25267 <i>Simoselaps littoralis</i> (West Coast Banded Snake)			
186.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
Emballonuridae				
187.	24175 <i>Taphozous georgianus</i> (Common Sheathtail-bat)			
Erythraeidae				
188.	<i>Leptus waldockae</i>			Y
Estrilidae				
189.	24631 <i>Emblema pictum</i> (Painted Finch)			
190.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
191.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
192.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
193.	4644 <i>Euphorbia sharkoensis</i>			
194.	12097 <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Desert Spurge)			
195.	42879 <i>Euphorbia trigonosperma</i>			
Fabaceae				
196.	13074 <i>Acacia alexandri</i>		P3	
197.	3223 <i>Acacia arida</i>			
198.	3241 <i>Acacia bivenosa</i>			
199.	3270 <i>Acacia coriacea</i> (Wirewood)			
200.	13500 <i>Acacia coriacea</i> subsp. <i>coriacea</i>			
201.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
202.	3452 <i>Acacia murrayana</i> (Sandplain Wattle)			
203.	3506 <i>Acacia pyrifolia</i> (Ranji Bush, Kandji)			
204.	29015 <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>			
205.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
206.	29135 <i>Acacia sericophylla</i>			
207.	3549 <i>Acacia spathulifolia</i>			
208.	19456 <i>Acacia stellaticeps</i>			
209.	13070 <i>Acacia synchronicia</i>			
210.	3577 <i>Acacia tetragonophylla</i> (Kurara, Wakalpuka)			
211.	3606 <i>Acacia xiphophylla</i>			
212.	3774 <i>Crotalaria cunninghamii</i> (Green Birdflower, Bilbun)			
213.	20179 <i>Crotalaria medicaginea</i> var. <i>neglecta</i>			
214.	17120 <i>Cullen pogonocarpum</i>			
215.	3871 <i>Erythrina vespertilio</i> (Yulbah)			
216.	3982 <i>Indigofera monophylla</i>			
217.	16489 <i>Leptosema macrocarpum</i>			
218.	4061 <i>Lotus cruentus</i> (Redflower Lotus)			
219.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
220.	12280 <i>Senna artemisioides</i> subsp. <i>oligophylla</i>			
221.	18443 <i>Senna ferraria</i>			
222.	12309 <i>Senna glutinosa</i> subsp. <i>pruinosa</i>			
223.	13592 <i>Swainsona calcicola</i>			
224.	13596 <i>Swainsona complanata</i>			
225.	4231 <i>Swainsona kingii</i>			
226.	4233 <i>Swainsona leeana</i>			
227.	4242 <i>Swainsona pterostylis</i>			
228.	19531 <i>Tephrosia rosea</i> var. <i>clementii</i>			
229.	4323 <i>Vigna lanceolata</i> (Maloga Vigna, Wega)			
Falconidae				
230.	25621 <i>Falco berigora</i> (Brown Falcon)			
231.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
232.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Filistatidae				
233.	<i>Wandella waldockae</i>			
234.	<i>Yardiella humphreysi</i>			
Fistulariidae				
235.	<i>Fistularia petimba</i>			
Frankeniaceae				
236.	5209 <i>Frankenia pauciflora</i> (Seaheath)			

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Gallieniellidae				
237.	<i>Oreo capensis</i>			
Gekkonidae				
238.	24956 <i>Gehyra pilbara</i>			
239.	24959 <i>Gehyra variegata</i>			
240.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Gentianaceae				
241.	41646 <i>Schenkia clementii</i>			
Geraniaceae				
242.	4332 <i>Erodium botrys</i> (Long Storksbill)	Y		
243.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Gerreidae				
244.	<i>Gerres subfasciatus</i>			
Gobiidae				
245.	<i>Priolepis nuchifasciata</i>			
246.	<i>Yongeichthys nebulosus</i>			
Gobioididae				
247.	<i>Taenioides buchanani</i>			Y
Goodeniaceae				
248.	7556 <i>Goodenia tenuiloba</i>			
249.	7643 <i>Scaevola sericophylla</i>			
250.	12586 <i>Scaevola spicigera</i>			
251.	7644 <i>Scaevola spinescens</i> (Currant Bush, Maroon)			
252.	7648 <i>Scaevola tomentosa</i> (Raggedleaf Fanflower)			
Gruidae				
253.	24484 <i>Grus rubicunda</i> (Brolga)			
Gyrostemonaceae				
254.	2784 <i>Gyrostemon ramulosus</i> (Corkybark)			
Haematopodidae				
255.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
Halcyonidae				
256.	25548 <i>Todiramphus chloris</i> (Collared Kingfisher)			
257.	24306 <i>Todiramphus chloris</i> subsp. <i>pilbara</i> (Collared Kingfisher)			
258.	42351 <i>Todiramphus pyrrhopygius</i> (Red-backed Kingfisher)			
259.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
Haloragaceae				
260.	23464 <i>Haloragis gossei</i> var. <i>inflata</i>			
261.	6180 <i>Haloragis trigonocarpa</i>			
Hemerocallidaceae				
262.	1286 <i>Corynotheca pungens</i>			
Hemiscylliidae				
263.	<i>Chiloscyllium punctatum</i>			
Hirundinidae				
264.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Hubbardiidae				
265.	33905 <i>Bamazomus subsolanus</i> (Eastern Cape Range Bamazomus)		T	
266.	33915 <i>Draculoides vinei</i> (Cape Range Draculoides)		P4	
Hyidae				
267.	<i>Indohya humphreysi</i>			Y
Hylidae				
268.	25375 <i>Cyclorana maini</i> (Sheep Frog)			
Hypnidae				
269.	<i>Hypnos monopterygium</i>			
Isoetaceae				
270.	11 <i>Isoetes drummondii</i> (Quillwort)			
271.	12 <i>Isoetes inflata</i>			
Ixodidae				
272.	<i>Amblyomma calabyi</i>			Y

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Lamiaceae				
273.	13689 <i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>			
274.	41063 <i>Quoia loxocarpa</i>			
275.	6827 <i>Spartothamnella teucriiflora</i>			
Lamponidae				
276.	<i>Asadipus barlee</i>			
277.	<i>Asadipus cape</i>			
278.	<i>Lampona quinqueplagiata</i>			
279.	<i>Lamponega forceps</i>			Y
280.	<i>Notsodipus bidgemia</i>			
281.	<i>Notsodipus capensis</i>			
282.	<i>Pseudolampona marun</i>			Y
Lauraceae				
283.	12073 <i>Cassytha aurea</i> var. <i>aurea</i>			
284.	11242 <i>Cassytha racemosa</i> forma <i>pilosa</i>			
Limnodynastidae				
285.	25424 <i>Neobatrachus fulvus</i> (Tawny Trilling Frog)			
286.	25427 <i>Neobatrachus sutor</i> (Shoemaker Frog)			
Linyphiidae				
287.	<i>Chthiononetes tenuis</i>			
Loganiaceae				
288.	16798 <i>Logania litoralis</i>			
Loranthaceae				
289.	2372 <i>Amyema fitzgeraldii</i> (Pincushion Mistletoe)			
290.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			
291.	11874 <i>Amyema sanguinea</i> var. <i>sanguinea</i>			
Lutjanidae				
292.	<i>Lutjanus erythropterus</i>			
Macropodidae				
293.	24135 <i>Macropus robustus</i> subsp. <i>erubescens</i> (Euro, Biggada)			
294.	24142 <i>Petrogale lateralis</i> subsp. <i>lateralis</i> (Black-flanked Rock-wallaby, Black-footed Rock-wallaby)		T	
Maluridae				
295.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
296.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
297.	24549 <i>Malurus leucopterus</i> subsp. <i>leuconotus</i> (White-winged Fairy-wren)			
298.	25656 <i>Stipiturus ruficeps</i> (Rufous-crowned Emu-wren)			
Malvaceae				
299.	4891 <i>Abutilon fraseri</i> (Lantern Bush)			
300.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
301.	40910 <i>Androcalva luteiflora</i> (Yellow-flowered Rulingia)			
302.	12714 <i>Brachychiton obtusilobus</i>		P4	
303.	13560 <i>Corchorus crozophorifolius</i>			
304.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
305.	11559 <i>Gossypium sturtianum</i> var. <i>sturtianum</i>			
306.	4962 <i>Malvastrum americanum</i> (Spiked Malvastrum)	Y		
307.	5051 <i>Melhantha oblongifolia</i>			
308.	5106 <i>Waltheria indica</i>			
Marsileaceae				
309.	76 <i>Marsilea hirsuta</i> (Nardoo)			
Meliphagidae				
310.	24559 <i>Acanthagenys rufogularis</i> (Spiny-cheeked Honeyeater)			
311.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
312.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
313.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
314.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
315.	42341 <i>Ptilotula penicillatus</i> (White-plumed Honeyeater)			
Meropidae				
316.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)		IA	
Miturgidae				
317.	<i>Miturga occidentalis</i>			
Monacanthidae				
318.	<i>Paramonacanthus choirocephalus</i>			

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319.	<i>Pseudomonacanthus peroni</i>			
Monocentrididae				
320.	<i>Monocentris japonicus</i>			
Monodactylidae				
321.	<i>Monodactylus argenteus</i>			
Moraceae				
322.	19648 <i>Ficus brachypoda</i>			
Motacillidae				
323.	24599 <i>Anthus australis subsp. australis (Australian Pipit)</i>			
Mugilidae				
324.	<i>Liza sp.</i>			
Mullidae				
325.	<i>Upeneus tragula</i>			
Muridae				
326.	24218 <i>Leporillus apicalis (Lesser Stick-nest Rat)</i>		X	
327.	24222 <i>Mesembriomys macrurus (Golden-backed Tree-rat)</i>		T	
328.	24223 <i>Mus musculus (House Mouse)</i>	Y		
329.	24233 <i>Pseudomys chapmani (Western Pebble-mound Mouse, Ngadji)</i>		P4	
330.	24236 <i>Pseudomys fieldi (Shark Bay Mouse, Djoongari)</i>		T	
331.	24237 <i>Pseudomys hermannsburgensis (Sandy Inland Mouse)</i>			
332.	24245 <i>Rattus rattus (Black Rat)</i>	Y		
333.	24249 <i>Zyzomys pedunculatus (Central Rock-rat, Antina)</i>		T	
Myobatrachidae				
334.	25432 <i>Pseudophryne douglasi (Gorge Toadlet)</i>			
Myrtaceae				
335.	35798 <i>Calothamnus borealis subsp. borealis</i>			
336.	17093 <i>Corymbia hamersleyana</i>			
337.	17092 <i>Corymbia opaca</i>			
338.	33519 <i>Eucalyptus baiophylla</i>			
339.	5752 <i>Eucalyptus prominens</i>			
340.	15597 <i>Eucalyptus ultima</i>			
341.	14548 <i>Eucalyptus victrix</i>			
342.	15592 <i>Eucalyptus xerothermica</i>			
343.	5887 <i>Melaleuca cardiophylla (Tangling Melaleuca)</i>			
344.	6010 <i>Pileanthus limacis (Coastal Coppercups)</i>			
345.	18260 <i>Pileanthus septentrionalis</i>			
346.	6051 <i>Thryptomene baeckeacea</i>			
347.	44710 <i>Thryptomene dampieri</i>			
348.	6081 <i>Verticordia forrestii (Forrest's Featherflower)</i>			
Nemipteridae				
349.	<i>Nemipterus peronii</i>			
350.	<i>Scolopsis monogramma</i>			
Nephilidae				
351.	<i>Nephila plumipes</i>			
Nocticolidae				
352.	33985 <i>Nocticola flabella (Cape Range Blind Cockroach)</i>		P2	Y
Olacaceae				
353.	2364 <i>Olax aurantia</i>			
Oleaceae				
354.	29056 <i>Jasminum sp. Exmouth (G. Marsh 77)</i>			
Oonopidae				
355.	<i>Prethopalpus infernalis</i>			Y
Ophichthidae				
356.	<i>Cirrhimuraena calamus</i>			
Ostraciidae				
357.	<i>Lactoria cornuta</i>			
Otididae				
358.	24610 <i>Ardeotis australis (Australian Bustard)</i>			
Pachycephalidae				
359.	24612 <i>Colluricincla harmonica subsp. kolichisi (Grey Shrike-thrush)</i>			
360.	24613 <i>Colluricincla harmonica subsp. rufiventris (Grey Shrike-thrush)</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
361.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
362.	24620 <i>Pachycephala lanioides</i> (White-breasted Whistler)			
363.	25678 <i>Pachycephala melanura</i> (Mangrove Golden Whistler)			
364.	24621 <i>Pachycephala melanura</i> subsp. <i>melanura</i> (Mangrove Golden Whistler)			
365.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
Paradoxosomatidae				
366.	<i>Boreoheesperus capensis</i>			
367.	<i>Stygiochiropus communis</i>			
Paralichthyidae				
368.	<i>Pseudorhombus dupliocellatus</i>			
Pardalotidae				
369.	24627 <i>Pardalotus rubricatus</i> (Red-browed Pardalote)			
370.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
Pegasidae				
371.	<i>Pegasus volitans</i>			
Pelecanidae				
372.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Phalacrocoracidae				
373.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
Pholcidae				
374.	<i>Trichocyclus septentrionalis</i>			
Phymaceae				
375.	7082 <i>Mimulus gracilis</i>			
Phyllanthaceae				
376.	20228 <i>Phyllanthus</i> sp. Coastal North West (J.Z. Weber 4919)			
377.	4706 <i>Sauropus crassifolius</i>			
Pinguipedidae				
378.	<i>Parapercis nebulosa</i>			
Plantaginaceae				
379.	7098 <i>Stemodia grossa</i> (Marsh Stemodia, Mindjaara)			
Platycephalidae				
380.	<i>Cymbacephalus nematophthalmus</i>			
381.	<i>Inegocia japonica</i>			
Plotosidae				
382.	<i>Plotosus lineatus</i>			
Plumbaginaceae				
383.	6486 <i>Aegialitis annulata</i> (Club Mangrove)			
384.	6491 <i>Plumbago zeylanica</i> (Native Plumbago)			
Poaceae				
385.	12063 <i>Aristida holathera</i> var. <i>holathera</i>			
386.	217 <i>Aristida nitidula</i> (Flat-awned Threearn)			
387.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
388.	279 <i>Cymbopogon ambiguus</i> (Scentgrass)			
389.	313 <i>Digitaria ctenantha</i> (Comb Finger Grass)			
390.	357 <i>Enneapogon caerulescens</i> (Limestone Grass)			
391.	378 <i>Eragrostis dielsii</i> (Mallee Lovegrass)			
392.	411 <i>Eriachne helmsii</i> (Buck Wanderrie Grass)			
393.	503 <i>Panicum decompositum</i> (Native Millet, Kaltu-kaltu)			
394.	679 <i>Triodia angusta</i>			
395.	13131 <i>Triodia epactia</i>			
396.	704 <i>Triodia wiseana</i> (Limestone Spinifex)			
397.	706 <i>Triraphis mollis</i> (Needle Grass)			
Podargidae				
398.	24679 <i>Podargus strigoides</i> subsp. <i>brachypterus</i> (Tawny Frogmouth)			
Poeciliidae				
399.	<i>Gambusia holbrooki</i>			
400.	<i>Poecilia reticulata</i>			
Pomacanthidae				
401.	<i>Chaetodontoplus duboulayi</i>			
Potoroidae				
402.	24161 <i>Bettongia lesueur</i> subsp. <i>graii</i> (Boodie, Burrowing Bettong)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
403.	24164 <i>Potorous platyops</i> (Broad-faced Potoroo)		X	
Pottiaceae				
404.	32415 <i>Pottia scabrifolia</i>			
Priacanthidae				
405.	<i>Priacanthus tayenus</i>			
Prodidomidae				
406.	<i>Nomindra leeuweni</i>			
407.	<i>Wesmaldra learnmonth</i>			
Proteaceae				
408.	1972 <i>Grevillea calcicola</i>		P3	
409.	2001 <i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kalinyppa)			
410.	2096 <i>Grevillea stenobotrya</i>			
411.	2117 <i>Grevillea variifolia</i> (Cape Range Grevillea)			
412.	15685 <i>Grevillea variifolia</i> subsp. <i>variifolia</i>			
413.	16897 <i>Hakea stenophylla</i> subsp. <i>stenophylla</i>			
Pseudochromidae				
414.	<i>Assiculus punctatus</i>			
415.	<i>Congrogadus malayanus</i>			
Psittacidae				
416.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
417.	24751 <i>Platycercus zonarius</i> subsp. <i>zonarius</i> (Port Lincoln Parrot)			
Pteridaceae				
418.	31 <i>Cheilanthes austrotenuifolia</i>			
Pteropodidae				
419.	24173 <i>Pteropus scapulatus</i> (Little Red Flying-fox)			
Pygopodidae				
420.	30829 <i>Delma tealei</i>			
421.	25004 <i>Delma tincta</i>			
422.	25005 <i>Lialis burtonis</i>			
Recurvirostridae				
423.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
Rhizophoraceae				
424.	39680 <i>Ceriops australis</i>			
425.	5295 <i>Rhizophora stylosa</i> (Spotted-leaved Red Mangrove)			
Salticidae				
426.	<i>Cosmophasis baehrae</i>			
427.	<i>Ocrisiona leucomomis</i>			
Santalaceae				
428.	10977 <i>Exocarpos aphyllus</i> (Leafless Ballart)			
429.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
Sapindaceae				
430.	4745 <i>Diplopeltis eriocarpa</i> (Hairy Pepperflower)			
Sargassaceae				
431.	42785 <i>Sirophysalis trinodis</i>			
Schendylidae				
432.	<i>Australoschendyla capensis</i>			
Scincidae				
433.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
434.	25020 <i>Cryptoblepharus plagiocephalus</i>			
435.	25043 <i>Ctenotus grandis</i> subsp. <i>titan</i>			
436.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
437.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
438.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
439.	25120 <i>Lerista allochira</i> (Cape Range Slider)		P3	
440.	30928 <i>Lerista clara</i>			
441.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
442.	25184 <i>Menetia greyii</i>			
443.	25491 <i>Menetia surda</i>			
444.	25193 <i>Morethia ruficauda</i> subsp. <i>exquisita</i>			
445.	25202 <i>Tiliqua multifasciata</i> (Central Blue-tongue)			
Scolopacidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
446.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
447.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
448.	24808 <i>Tringa nebularia</i> (Common Greenshank)		IA	
Scolopendridae				
449.	<i>Scolopendra morsitans</i>			
Scombridae				
450.	<i>Scomberomorus commerson</i>			
Scorpaenidae				
451.	<i>Apistus carinatus</i>			
452.	<i>Paracentropogon vespa</i>			
453.	<i>Scorpaenodes guamensis</i>			
Scrophulariaceae				
454.	29715 <i>Eremophila forrestii</i> subsp. <i>capensis</i>		P3	
455.	15052 <i>Eremophila forrestii</i> subsp. <i>forrestii</i>			
456.	16363 <i>Eremophila maculata</i> subsp. <i>brevifolia</i> (Native Fuchsia)			
457.	15032 <i>Eremophila occidentis</i>		P2	
458.	16733 <i>Eremophila setacea</i>			
459.	23997 <i>Eremophila tietkensis</i>			
Scutigeridae				
460.	<i>Thereuopoda lesueurii</i>			
Selaginellaceae				
461.	5 <i>Selaginella ciliaris</i>			
462.	6 <i>Selaginella gracillima</i> (Tiny Clubmoss)			
Siganidae				
463.	<i>Siganus spinus</i>			
Sillaginidae				
464.	<i>Sillago analis</i>			
465.	<i>Sillago lutea</i>			
466.	<i>Sillago maculata</i>			
Solanaceae				
467.	11856 <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i>			
Sparassidae				
468.	<i>Isopedella tindalei</i>			
Sparidae				
469.	<i>Rhabdosargus sarba</i>			
Sphyraenidae				
470.	<i>Sphyraena obtusata</i>			
Surianaceae				
471.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
Syarinidae				
472.	<i>Ideoblothrus papillon</i>			Y
473.	<i>Ideoblothrus woodi</i>			Y
Sylviidae				
474.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
475.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
476.	24837 <i>Eremiornis carteri</i> (Spinifex-bird)			
Symphytognathidae				
477.	<i>Anapistula troglobia</i>			Y
Syngnathidae				
478.	<i>Trachyrhamphus longirostris</i>			Y
Synodontidae				
479.	<i>Trachinocephalus myops</i>			
Tengellidae				
480.	<i>Bengalla bertmaini</i>			
Terapontidae				
481.	<i>Pelates sexlineatus</i>			
Tetragnathidae				
482.	<i>Tetragnatha demissa</i>			
Tetraodontidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
483.	<i>Arothron manilensis</i>			
484.	<i>Arothron stellatus</i>			
485.	<i>Feroxodon multistriatus</i>			
486.	<i>Lagocephalus sceleratus</i>			
487.	<i>Torquigener pallimaculatus</i>			
488.	<i>Torquigener whitleyi</i>			
Theridiidae				
489.	<i>Latrodectus hasseltii</i>			
Thymelaeaceae				
490.	11185 <i>Pimelea microcephala subsp. microcephala</i>			
Triacanthidae				
491.	<i>Triacanthus biaculeatus</i>			
Trochanteriidae				
492.	<i>Trachyspina capensis</i>			
Turnicidae				
493.	24851 <i>Turnix velox (Little Button-quail)</i>			
Unidentified Larvae				
494.	??			
Varanidae				
495.	25209 <i>Varanus acanthurus (Spiny-tailed Monitor)</i>			
Vespertilionidae				
496.	24194 <i>Nyctophilus geoffroyi (Lesser Long-eared Bat)</i>			
497.	24205 <i>Vespadelus finlaysoni (Finlayson's Cave Bat)</i>			
Zodariidae				
498.	<i>Euasteron ursulae</i>			
499.	<i>Masasteron gracilis</i>			
500.	<i>Masasteron sampeyae</i>			
501.	<i>Storena sinuosa</i>			
Zosteropidae				
502.	24857 <i>Zosterops luteus (Yellow White-eye)</i>			
Zygophyllaceae				
503.	18072 <i>Tribulus suberosus</i>			
504.	4395 <i>Zygophyllum retivalve</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:34:43

[Summary](#)

[Details](#)

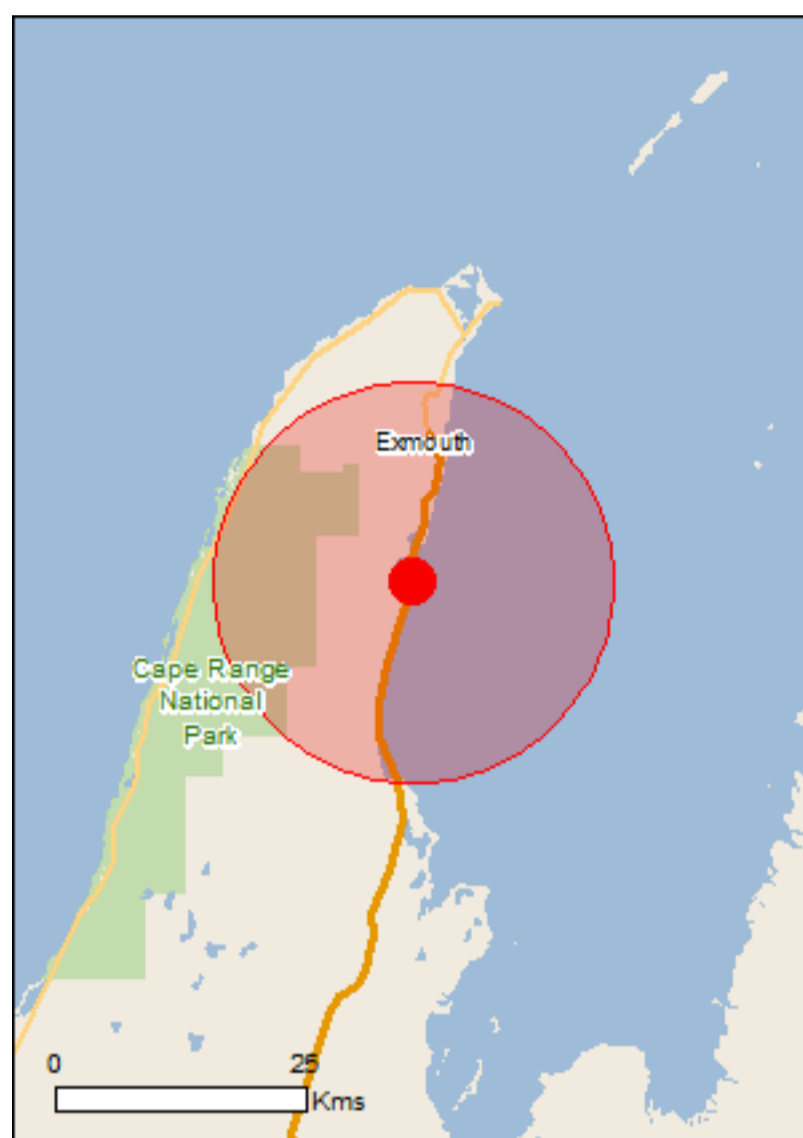
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

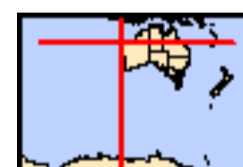
[Acknowledgements](#)



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[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	20
Listed Migratory Species:	26

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	4
Commonwealth Heritage Places:	None
Listed Marine Species:	62
Whales and Other Cetaceans:	12
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	3
Regional Forest Agreements:	None
Invasive Species:	10
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties [\[Resource Information \]](#)

Name	State	Status
The Ningaloo Coast	WA	Declared property

National Heritage Properties [\[Resource Information \]](#)

Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
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Birds

Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding known to occur within area
Thalassarche melanophris impavida Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area

Fish

Milyeringa veritas Blind Gudgeon [66676]	Vulnerable	Species or species habitat likely to occur within area
Ophisternon candidum Blind Cave Eel [66678]	Vulnerable	Species or species habitat likely to occur within area

Mammals

Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat known to occur within area
Rhinonicteris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat known to occur within area

Reptiles

Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur

Name	Status	Type of Presence within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Sharks		
Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat likely to occur within area
Pristis clavata Dwarf Sawfish, Queensland Sawfish [68447]	Vulnerable	Species or species habitat known to occur within area
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Migratory Marine Species		
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat likely to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area

Name	Threatened	Type of Presence
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Dugong dugon Dugong [28]		Breeding known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	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 known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat known to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Pandion cristatus Eastern Osprey [82411]		Breeding known to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land

[[Resource Information](#)]

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

Name

Commonwealth Land -
 Defence - EXMOUTH ADMIN & HF TRANSMITTING
 Defence - LEARMONTH - RAAF BASE
 Defence - LEARMONTH RADAR SITE - TWIN TANKS EXMOUTH

Listed Marine Species

[[Resource Information](#)]

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Fish		
Acentronura larsonae Helen's Pygmy Pipehorse [66186]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Bulbonaricus brauni Braun's Pughead Pipefish, Pug-headed Pipefish [66189]		Species or species habitat may occur within area
Campichthys tricarinatus Three-keel Pipefish [66192]		Species or species habitat may occur within area
Choeroichthys brachysoma Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area
Choeroichthys latispinosus Muiron Island Pipefish [66196]		Species or species habitat may occur within area
Choeroichthys suillus Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
Doryrhamphus dactyliophorus Banded Pipefish, Ringed Pipefish [66210]		Species or species habitat may occur within area
Doryrhamphus janssi Cleaner Pipefish, Janss' Pipefish [66212]		Species or species habitat may occur within area
Doryrhamphus multiannulatus Many-banded Pipefish [66717]		Species or species habitat may occur within area
Doryrhamphus negrosensis Flagtail Pipefish, Masthead Island Pipefish [66213]		Species or species habitat may occur within area
Festucalex scalaris Ladder Pipefish [66216]		Species or species habitat may occur within area
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area
Halicampus brocki Brock's Pipefish [66219]		Species or species habitat may occur within area
Halicampus grayi Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area
Halicampus nitidus Glittering Pipefish [66224]		Species or species habitat may occur within area
Halicampus spinirostris Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
Haliichthys taeniophorus Ribbioned Pipehorse, Ribbioned Seadragon [66226]		Species or species habitat may occur within area
Hippichthys penicillus Beady Pipefish, Steep-nosed Pipefish [66231]		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

Name	Threatened	Type of Presence
Hippocampus histrix Spiny Seahorse, Thorny Seahorse [66236]		Species or species habitat may occur within area
Hippocampus kuda Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area
Micrognathus micronotopterus Tidepool Pipefish [66255]		Species or species habitat may occur within area
Phoxocampus belcheri Black Rock Pipefish [66719]		Species or species habitat may occur within area
Solegnathus hardwickii Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
Solenostomus paegnius Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area
Mammals		
Dugong dugon Dugong [28]		Breeding known to occur within area
Reptiles		
Acalyptophis peronii Horned Seasnake [1114]		Species or species habitat may occur within area
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat known to occur within area
Aipysurus duboisii Dubois' Seasnake [1116]		Species or species habitat may occur within area
Aipysurus eydouxii Spine-tailed Seasnake [1117]		Species or species habitat may occur within area
Aipysurus laevis Olive Seasnake [1120]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Astrotia stokesii Stokes' Seasnake [1122]		Species or species habitat may occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Disteira kingii Spectacled Seasnake [1123]		Species or species habitat may occur within area
Disteira major Olive-headed Seasnake [1124]		Species or species habitat may occur within area
Emydocephalus annulatus Turtle-headed Seasnake [1125]		Species or species habitat may occur within area
Ephalophis greyi North-western Mangrove Seasnake [1127]		Species or species habitat may occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Hydrophis elegans Elegant Seasnake [1104]		Species or species habitat may occur within area
Hydrophis ornatus Spotted Seasnake, Ornate Reef Seasnake [1111]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Pelamis platurus Yellow-bellied Seasnake [1091]		Species or species habitat may 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
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat may occur within area
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area

Name	Status	Type of Presence
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
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat known to occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

State and Territory Reserves	[Resource Information]
Name	State
Bundegi Coastal Park	WA
Cape Range	WA
Jurabi Coastal Park	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		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area

Nationally Important Wetlands		[Resource Information]
Name	State	
Cape Range Subterranean Waterways	WA	

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-22.05029 114.10995

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

SLK 211 to 211.75

Created By Guest user on 12/08/2015

Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 114°07' 34" E, 21°58' 30" S
Buffer 20km
Group By Family

Family	Species	Records
Acanthaceae	4	17
Acanthizidae	5	44
Acanthoclinidae	1	1
Acanthuridae	2	2
Accipitridae	11	71
Aegothelidae	1	2
Agamidae	9	107
Aizoaceae	1	2
Alaudidae	1	3
Albulidae	1	1
Amaranthaceae	15	25
Ambassidae	1	1
Anadyomenaceae	2	2
Anatidae	3	7
Antennariidae	2	4
Apiaceae	1	3
Aploactinidae	2	11
Apocynaceae	6	11
Apogonidae	23	44
Araneidae	3	3
Ardeidae	4	24
Areschougiceae	1	1
Argasidae	1	2
Ariidae	1	1
Artamidae	5	39
Asparagaceae	6	19
Asphodelaceae	1	1
Assamiidae	1	1
Asteraceae	31	77
Atherinidae	2	2
Atyidae	2	9
Balaenidae	1	1
Balaenopteridae	1	221
Bathysauridae	4	5
Batrachoididae	3	9
Belonidae	2	2
Bignoniaceae	1	2
Blenniidae	21	33
Boidae	3	11
Bonnemaisoniaceae	1	1
Boodleaceae	1	1
Boraginaceae	6	20
Bothidae	2	3
Brassicaceae	5	8
Callionymidae	4	28
Campanulaceae	3	3
Campephagidae	2	33
Capparaceae	3	6
Carangidae	25	64
Carcharhinidae	2	2
Carphodactylidae	2	10
Casuariidae	1	30
Caulerpaceae	10	13
Celastraceae	3	12
Centriscidae	2	9
Centrolophidae	1	1
Cepolidae	1	6
Ceramiaceae	3	3
Chaetodontidae	9	33
Champiaceae	2	2
Charadriidae	7	35
Cheloniidae	2	38
Chenopodiaceae	23	34
Chirocentridae	1	3
Chthoniidae	3	7
Cirrhitidae	4	4
Cladophoraceae	1	1
Cleomaceae	1	2
Clupeidae	3	3
Colchicaceae	1	7
Columbidae	6	89
Commelinaceae	1	4
Congridae	2	2
Convolvulaceae	10	27
Corallinaceae	1	1
Corvidae	2	20
Coryphaenidae	1	1

Cracticidae	3	74
Crassulaceae	2	3
Creediidae	1	1
Cuculidae	2	18
Cymodoceaceae	5	22
Cynoglossidae	2	13
Cyperaceae	4	6
Dactylopteridae	2	9
Dasyatidae	1	3
Dasyuridae	5	19
Delphinidae	3	516
Dicaeidae	2	7
Dicruridae	5	75
Dictyotaceae	3	3
Dilleniaceae	2	11
Diodontidae	3	3
Diomedidae	1	1
Diplodactylidae	10	140
Dugongidae	1	9
Echeneidae	1	6
Elapidae	18	85
Eleotridae	1	47
Elopidae	1	1
Emballonuridae	1	20
Engraulidae	3	5
Ephippidae	3	4
Estrilidae	3	50
Euphorbiaceae	10	27
Fabaceae	54	195
Falconidae	3	69
Filistatidae	2	63
Fistulariidae	1	1
Frankeniaceae	1	4
Galaxauraceae	2	3
Gekkonidae	4	88
Gentianaceae	1	1
Geraniaceae	2	4
Gerreidae	3	6
Glareolidae	1	2
Glaucosomatidae	1	4
Gobiesocidae	1	1
Gobiidae	22	42
Gobioididae	1	1
Goodeniaceae	13	51
Gracilariaceae	2	4
Grammistidae	2	2
Gymnuridae	1	4
Gyrostemonaceae	1	2
Haematopodidae	2	24
Haemulidae	5	14
Halcyonidae	2	16
Halimedaceae	3	11
Haloragaceae	2	2
Hemerocallidaceae	4	8
Hemigaleidae	1	6
Hirundinidae	1	34
Holocentridae	1	1
Hubbardiidae	5	133
Hydrocharitaceae	2	5
Hyidae	1	17
Hyllidae	1	10
Hymeneliaceae	1	3
Isoetaceae	1	1
Istiophoridae	1	2
Ixodidae	1	1
Juncaginaceae	1	1
Labridae	31	50
Lamiaceae	8	16
Lamnidae	1	2
Lamponidae	5	10
Laridae	1	1
Latidae	1	1
Lauraceae	3	8
Lecanoraceae	1	2
Leiognathidae	7	33
Lethrinidae	8	8
Liagoraceae	2	4
Limnodynastidae	3	34
Linyphiidae	2	37
Loganiaceae	1	7
Loranthaceae	6	17
Lutjanidae	4	17
Lycosidae	1	1
Macropodidae	3	17
Maluridae	3	45
Malvaceae	32	84
Meliphagidae	10	117
Menidae	1	1
Menispermaceae	1	7
Meropidae	1	20
Microdesmidae	1	3
Molidae	1	1
Molossidae	1	6
Monacanthidae	9	28
Monocentrididae	1	1
Moraceae	2	7
Mugilidae	4	6
Mullidae	6	13
Muraenidae	5	7
Muridae	5	54
Myobatrachidae	1	13
Myrtaceae	15	107
Narcinidae	1	1
Nemipteridae	9	29
Nocticolidae	1	2

Nomeidae	1	1
Notograptidae	1	1
Nyctaginaceae	2	3
Oleaceae	2	7
Oonopidae	1	1
Ophichthidae	2	2
Ophioglossaceae	3	4
Opisthognathidae	2	5
Orobanchaceae	1	2
Ostraciidae	5	7
Otididae	1	9
Pachycephalidae	4	30
Paradoxosomatidae	6	140
Paralichthyidae	3	4
Pardalotidae	2	14
Pataecidae	1	1
Pegasidae	1	1
Pelecanidae	1	19
Peltulaceae	1	1
Pempheridae	4	9
Phaethontidae	1	2
Phalacrocoracidae	3	19
Phalangodidae	1	3
Pholcidae	4	24
Phrymaceae	1	5
Phyllanthaceae	3	5
Pinguipedidae	4	13
Pittosporaceae	2	5
Plantaginaceae	2	4
Platycephalidae	5	9
Plesiopidae	1	3
Pleuronectidae	1	1
Plotosidae	4	9
Plumbaginaceae	2	7
Poaceae	34	70
Podargidae	1	1
Podicipedidae	2	5
Poeciliidae	2	2
Polygonaceae	1	1
Polynemidae	2	6
Polyphysaceae	1	1
Pomacanthidae	5	13
Pomacentridae	21	36
Pomatostomidae	1	1
Portulacaceae	1	1
Priacanthidae	2	10
Primulaceae	2	2
Procellariidae	1	1
Prodidomidae	4	10
Proteaceae	11	37
Psettodidae	1	6
Pseudochromidae	7	22
Pseudogrammatidae	1	1
Psittacidae	4	41
Psoraceae	1	1
Pteridaceae	3	3
Ptilonorhynchidae	1	1
Pygopodidae	7	34
Rachycentridae	1	3
Rallidae	3	5
Recurvirostridae	1	12
Rhinidae	1	1
Rhizophoraceae	1	1
Rhizophyllidaceae	1	2
Rhodomelaceae	3	4
Rhodymeniaceae	1	1
Rubiaceae	2	4
Ruppiaceae	1	1
Rutaceae	1	2
Salticidae	1	1
Santalaceae	3	11
Sapindaceae	4	10
Sargassaceae	2	2
Scaridae	2	2
Scatophagidae	1	1
Schendylidae	1	2
Sciaenidae	1	2
Scincidae	29	159
Scolopacidae	14	85
Scolopendridae	3	3
Scombridae	2	9
Scorpaenidae	17	52
Scorpididae	1	2
Scrophulariaceae	7	22
Scyliorhinidae	1	1
Scytosiphonaceae	1	1
Serranidae	10	19
Siganidae	4	6
Sillaginidae	5	7
Siphonocladaceae	1	1
Solanaceae	7	20
Soleidae	6	11
Sparassidae	2	2
Sparidae	1	1
Sphyrnaeidae	2	3
Sylviidae	3	26
Synanceiidae	1	1
Synbranchidae	1	11
Syngnathidae	2	2
Synodontidae	4	9
Tengellidae	1	21
Terapontidae	4	14
Tetraodontidae	8	13
Theridiidae	1	7
Threskiornithidae	1	2

Thymelaeaceae	2	10
Triacanthidae	2	7
Trichiuridae	1	1
Triglidae	1	2
Tripterygiidae	6	9
Trochanteridae	1	5
Turnicidae	1	2
Udoteaceae	1	1
Unidentified Larvae	1	6
Uranoscopidae	1	1
Urticaceae	1	1
Valoniaceae	1	1
Varanidae	6	18
Veliferidae	2	5
Verbenaceae	1	1
Vespertilionidae	2	52
Violaceae	2	5
Zodariidae	4	7
Zosteropidae	2	23
Zygophyllaceae	8	19
TOTAL	1201	5647

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladantha forrestii</i>			
2.	11320 <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>			
3.	11746 <i>Dipteracanthus australasicus</i> subsp. <i>corynothecus</i>			
4.	17327 <i>Harnieria kempeana</i> subsp. <i>rhadinophylla</i>		P2	
Acanthizidae				
5.	24269 <i>Calamanthus campestris</i> (<i>Rufous Fieldwren</i>)			
6.	25530 <i>Gerygone fusca</i> (<i>Western Gerygone</i>)			
7.	24276 <i>Gerygone tenebrosa</i> (<i>Dusky Gerygone</i>)			
8.	24278 <i>Pyrrholaemus brunneus</i> (<i>Redthroat</i>)			
9.	30948 <i>Smicronis brevirostris</i> (<i>Weebill</i>)			
Acanthoclinidae				
10.	<i>Belonepterygion fasciolatum</i>			
Acanthuridae				
11.	<i>Ctenochaetus strigosus</i>			
12.	<i>Naso brevirostris</i>			
Accipitridae				
13.	25535 <i>Accipiter cirrocephalus</i> (<i>Collared Sparrowhawk</i>)			
14.	25536 <i>Accipiter fasciatus</i> (<i>Brown Goshawk</i>)			
15.	24282 <i>Accipiter fasciatus</i> subsp. <i>fasciatus</i> (<i>Brown Goshawk</i>)			
16.	24285 <i>Aquila audax</i> (<i>Wedge-tailed Eagle</i>)			
17.	24288 <i>Circus approximans</i> (<i>Swamp Harrier</i>)			
18.	24289 <i>Circus assimilis</i> (<i>Spotted Harrier</i>)			
19.	24293 <i>Haliaeetus leucogaster</i> (<i>White-bellied Sea-Eagle</i>)		IA	
20.	25541 <i>Haliastur indus</i> (<i>Brahminy Kite</i>)			
21.	24295 <i>Haliastur sphenurus</i> (<i>Whistling Kite</i>)			
22.	24297 <i>Hamirostra melanosternon</i> (<i>Black-breasted Buzzard</i>)			
23.	25542 <i>Milvus migrans</i> (<i>Black Kite</i>)			
Aegothelidae				
24.	24301 <i>Aegotheles cristatus</i> subsp. <i>cristatus</i> (<i>Australian Owlet-nightjar</i>)			
Agamidae				
25.	30831 <i>Amphibolurus gilberti</i> (<i>Ta-ta, Gilbert's Dragon</i>)			
26.	30833 <i>Amphibolurus longirostris</i> (<i>Long-nosed Dragon</i>)			
27.	24872 <i>Ctenophorus femoralis</i> (<i>Dune Dragon</i>)			
28.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (<i>Crested Dragon, Military Dragon</i>)			
29.	24882 <i>Ctenophorus nuchalis</i> (<i>Central Netted Dragon</i>)			
30.	30897 <i>Ctenophorus parviceps</i> (<i>Western Heath Dragon, Northern Heath Dragon</i>)			
31.	24886 <i>Ctenophorus reticulatus</i> (<i>Western Netted Dragon</i>)			
32.	42400 <i>Diporiphora adductus</i> (<i>Carnarvon Dragon</i>)			
33.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (<i>Dwarf Bearded Dragon</i>)			
Aizoaceae				
34.	44305 <i>Trianthema pilosum</i>			
Alaudidae				
35.	25545 <i>Mirafra javanica</i> (<i>Horsfield's Bushlark, Singing Bushlark</i>)			
Albulidae				
36.	<i>Albula forsteri</i>			
Amaranthaceae				
37.	2645 <i>Achyranthes aspera</i> (<i>Chaff Flower</i>)			
38.	2646 <i>Aerva javanica</i> (<i>Kapok Bush</i>)	Y		
39.	2653 <i>Alternanthera pungens</i> (<i>Khaki Weed</i>)	Y		
40.	2677 <i>Gomphrena celosioides</i> (<i>Gomphrena Weed</i>)	Y		
41.	2696 <i>Ptilotus astrolasius</i>			
42.	2699 <i>Ptilotus axillaris</i> (<i>Mat Mulla Mulla</i>)			
43.	2711 <i>Ptilotus clementii</i> (<i>Tassel Top</i>)			
44.	2717 <i>Ptilotus divaricatus</i> (<i>Climbing Mulla Mulla</i>)			
45.	2731 <i>Ptilotus helipteroides</i> (<i>Hairy Mulla Mulla</i>)			
46.	2746 <i>Ptilotus nobilis</i> (<i>Tall Mulla Mulla</i>)			
47.	41001 <i>Ptilotus nobilis</i> subsp. <i>nobilis</i> (<i>Yellow Tails</i>)			
48.	2747 <i>Ptilotus obovatus</i> (<i>Cotton Bush</i>)			
49.	2751 <i>Ptilotus polystachyus</i> (<i>Prince of Wales Feather</i>)			
50.	2766 <i>Ptilotus villosiflorus</i>			
51.	43203 <i>Surreya diandra</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Ambassidae				
52.	<i>Ambassis vachellii</i>			
Anadyomenaceae				
53.	35872 <i>Anadyomene plicata</i>			
54.	35858 <i>Anadyomene wrightii</i>			
Anatidae				
55.	24312 <i>Anas gracilis</i> (Grey Teal)			
56.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
57.	24322 <i>Cygnus atratus</i> (Black Swan)			
Antennariidae				
58.	<i>Antennarius nummifer</i>			
59.	<i>Lophiocharon trisignatus</i>			
Apiaceae				
60.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
Aploactinidae				
61.	<i>Adventor elongatus</i>			
62.	<i>Peristrominous dolosus</i>			
Apocynaceae				
63.	6569 <i>Catharanthus roseus</i> (Pink Periwinkle)	Y		
64.	6584 <i>Cynanchum floribundum</i> (Dumara Bush, Tjipa)			
65.	12949 <i>Marsdenia australis</i>			
66.	6599 <i>Rhyncharhena linearis</i> (Bush Bean, Wintjulanypa)			
67.	13006 <i>Sarcostemma viminale</i> subsp. australe			
68.	6602 <i>Tylophora flexuosa</i>			
Apogonidae				
69.	<i>Apogon angustatus</i>			
70.	<i>Apogon argyrogaster</i>			
71.	<i>Apogon brevicaudatus</i>			
72.	<i>Apogon cookii</i>			
73.	<i>Apogon fasciatus</i>			
74.	<i>Apogon fraenatus</i>			
75.	<i>Apogon multilineatus</i>			Y
76.	<i>Apogon nigripinnis</i>			
77.	<i>Apogon pallidofasciatus</i>			
78.	<i>Apogon poecilopterus</i>			
79.	<i>Apogon rueppellii</i>			
80.	<i>Apogon semiornatus</i>			
81.	<i>Apogon septemstriatus</i>			
82.	<i>Apogon</i> sp.			
83.	<i>Apogon taeniophorus</i>			
84.	<i>Apogon timorensis</i>			
85.	<i>Archamia fucata</i>			
86.	<i>Foa</i> sp.			Y
87.	<i>Nectamia fusca</i>			
88.	<i>Nectamia savayensis</i>			
89.	<i>Pterapogon mirifica</i>			
90.	<i>Rhabdamia cypselurus</i>			
91.	<i>Rhabdamia gracilis</i>			
Araneidae				
92.	<i>Argiope trifasciata</i>			
93.	<i>Backobourkia collina</i>			
94.	<i>Heurodes turritus</i>			
Ardeidae				
95.	41324 <i>Ardea modesta</i> (Eastern Great Egret)		IA	
96.	24343 <i>Ardea sacra</i> subsp. <i>sacra</i> (Eastern Reef Egret, Eastern Reef Heron)		IA	
97.	24346 <i>Butorides striatus</i> subsp. <i>stagnatilis</i> (Striated Heron, Mangrove Heron)			
98.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
Areschougiaceae				
99.	26827 <i>Eucheuma denticulatum</i>			
Argasidae				
100.	<i>Ornithodoros gurneyi</i>			
Ariidae				
101.	<i>Arius thalassinus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Artamidae				
102.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
103.	24352 <i>Artamus cinereus</i> subsp. <i>melanops</i> (Black-faced Woodswallow)			
104.	25567 <i>Artamus leucorhynchus</i> (White-breasted Woodswallow)			
105.	24355 <i>Artamus minor</i> (Little Woodswallow)			
106.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asparagaceae				
107.	1208 <i>Acanthocarpus preissii</i>			
108.	1209 <i>Acanthocarpus robustus</i>			
109.	1210 <i>Acanthocarpus rupestris</i>		P2	
110.	1211 <i>Acanthocarpus verticillatus</i>			
111.	1311 <i>Murchisonia volubilis</i>			
112.	1343 <i>Thysanotus patersonii</i>			
Asphodelaceae				
113.	1364 <i>Asphodelus fistulosus</i> (Onion Weed)	Y		
Assamiidae				
114.	<i>Dampetrus isolatus</i>			
Asteraceae				
115.	7822 <i>Angianthus acrohyalinus</i> (Hook-leaf Angianthus)			
116.	7827 <i>Angianthus cunninghamii</i> (Coast Angianthus)			
117.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
118.	7872 <i>Brachyscome ciliocarpa</i>			
119.	7958 <i>Decazesia hecatocephala</i>			
120.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
121.	29594 <i>Helichrysum luteoalbum</i> (Jersey Cudweed)			
122.	8086 <i>Hypochaeris glabra</i> (Smooth Catsear)	Y		
123.	8098 <i>Launaea sarmentosa</i>			
124.	8110 <i>Minuria leptophylla</i> (Minnie Daisy)			
125.	42024 <i>Olearia</i> sp. <i>Kennedy Range</i> (G. Byrne 66)			
126.	20611 <i>Pembertonia latisquamea</i>			
127.	34997 <i>Peripleura arida</i>			
128.	35003 <i>Peripleura hispidula</i> var. <i>setosa</i>			
129.	8167 <i>Pluchea dentex</i>			
130.	8168 <i>Pluchea rubelliflora</i>			
131.	8172 <i>Podolepis canescens</i> (Bright Podolepis, Grey Podolepis)			
132.	8192 <i>Pterocaulon sphacelatum</i> (Apple Bush)			
133.	8193 <i>Pterocaulon sphaeranthoides</i>			
134.	13291 <i>Rhodanthe condensata</i>			
135.	13301 <i>Rhodanthe floribunda</i>			
136.	13246 <i>Rhodanthe humboldtiana</i>			
137.	13297 <i>Rhodanthe psammophila</i>			
138.	13254 <i>Rhodanthe stricta</i>			
139.	25880 <i>Senecio hamersleyensis</i>			
140.	8213 <i>Senecio magnificus</i> (Showy Groundsel)			
141.	20161 <i>Senecio pinnatifolius</i>			
142.	25883 <i>Senecio pinnatifolius</i> var. <i>pinnatifolius</i>			
143.	8223 <i>Sigesbeckia orientalis</i> (Indian Weed)	Y		
144.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
145.	8237 <i>Streptoglossa decurrens</i>			
Atherinidae				
146.	<i>Atherinomorus vaiigiensis</i>			
147.	<i>Hypoatherina temminckii</i>			
Atyidae				
148.	33963 <i>Stygiocaris lancifera</i> (Lance-beaked Cave Shrimp)		T	
149.	33964 <i>Stygiocaris stylifera</i> (Spear-beaked Cave Shrimp)		P4	
Balaenidae				
150.	24043 <i>Eubalaena australis</i> (Southern Right Whale)		T	
Balaenopteridae				
151.	24051 <i>Megaptera novaeangliae</i> (Humpback Whale)		T	
Bathysauridae				
152.	<i>Saurida argentea</i>			
153.	<i>Saurida gracilis</i>			
154.	<i>Saurida nebulosa</i>			
155.	<i>Saurida undosquamis</i>			
Batrachoididae				

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156.	<i>Batrachomoeus</i> sp.			
157.	<i>Halophryne diemensis</i>			
158.	<i>Halophryne ocellatus</i>			
Belonidae				
159.	<i>Belone</i> sp.			
160.	<i>Tylosurus crocodilus</i>			
Bignoniaceae				
161.	36447 <i>Tecoma stans</i> var. <i>stans</i>	Y		
Blenniidae				
162.	<i>Aspidontus taeniatus</i>			
163.	<i>Blenniella chrysoptilos</i>			
164.	<i>Cirripectes filamentosus</i>			
165.	<i>Cirripectes hutchinsi</i>			
166.	<i>Ecsenius bicolor</i>			
167.	<i>Ecsenius lineatus</i>			
168.	<i>Ecsenius oculus</i>			
169.	<i>Ecsenius yaeyamaensis</i>			
170.	<i>Entomacrodus thalassinus</i>			
171.	<i>Exallias brevis</i>			
172.	<i>Istiblennius edentulus</i>			
173.	<i>Istiblennius meleagris</i>			
174.	<i>Omobranchus germaini</i>			
175.	<i>Omobranchus rotundiceps</i>			
176.	<i>Petroscirtes breviceps</i>			
177.	<i>Petroscirtes mitratus</i>			
178.	<i>Plagiotremus rhinorhynchus</i>			
179.	<i>Salarias fasciatus</i>			
180.	<i>Salarias sexfilum</i>			
181.	<i>Stanulus talboti</i>			
182.	<i>Xiphasia setifer</i>			
Boidae				
183.	25318 <i>Antaresia perthensis</i> (Pygmy Python)			
184.	25241 <i>Antaresia stimsoni</i> subsp. <i>stimsoni</i> (Stimson's Python)			
185.	25320 <i>Aspidites melanocephalus</i> (Black-headed Python)			
Bonnemaisoniaceae				
186.	26486 <i>Asparagopsis taxiformis</i>			
Boodleaceae				
187.	44726 <i>Cladophoropsis vaucheriiformis</i>			
Boraginaceae				
188.	6680 <i>Cynoglossum australe</i> (Australian Hound's-tongue)			
189.	29840 <i>Halgania cyanea</i> var. <i>Allambi</i> Stn (B.W. Strong 676)			
190.	6705 <i>Heliotropium crispatum</i>			
191.	17305 <i>Heliotropium glanduliferum</i>			
192.	6713 <i>Heliotropium ovalifolium</i>			
193.	6727 <i>Trichodesma zeylanicum</i> (Camel Bush, Kumbalin)			
Bothidae				
194.	<i>Engyprosopon</i> sp.			
195.	<i>Grammatobothus polyophthalmus</i>			
Brassicaceae				
196.	3032 <i>Lepidium muelleri-ferdinandii</i>			
197.	3035 <i>Lepidium pedicellosum</i>			
198.	3039 <i>Lepidium platypetalum</i> (Slender Peppergrass)			
199.	3061 <i>Raphanus raphanistrum</i> (Wild Radish)	Y		
200.	3072 <i>Sisymbrium orientale</i> (Indian Hedge Mustard)	Y		
Callionymidae				
201.	<i>Callionymus grossi</i>			
202.	<i>Callionymus sublaevis</i>			
203.	<i>Dactylopus dactylopus</i>			
204.	<i>Pseudocalliurichthys goodladi</i>			
Campanulaceae				
205.	7403 <i>Lobelia heterophylla</i> (Wing-seeded Lobelia)			
206.	7385 <i>Wahlenbergia communis</i> (Native Bluebell)			
207.	7393 <i>Wahlenbergia tumidiflucta</i>			
Campephagidae				

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208.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
209.	24362 <i>Coracina novaehollandiae</i> subsp. <i>novaehollandiae</i> (Black-faced Cuckoo-shrike)			
Capparaceae				
210.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
211.	2978 <i>Capparis mitchellii</i> (Wild Orange)			
212.	2981 <i>Capparis spinosa</i>			
Carangidae				
213.	<i>Alectis ciliaris</i>			
214.	<i>Alectis indica</i>			
215.	<i>Alepes apercna</i>			
216.	<i>Carangoides caeruleopinnatus</i>			
217.	<i>Carangoides chrysophrys</i>			
218.	<i>Carangoides coeruleopinnatus</i>			
219.	<i>Carangoides hedlandensis</i>			
220.	<i>Carangoides humerosus</i>			
221.	<i>Carangoides malabaricus</i>			
222.	<i>Carangoides talamparoides</i>			
223.	<i>Caranx bucculentus</i>			
224.	<i>Caranx sexfasciatus</i>			
225.	<i>Decapterus macrosoma</i>			
226.	<i>Decapterus russelli</i>			
227.	<i>Gnathanodon speciosus</i>			
228.	<i>Megalaspis cordyla</i>			
229.	<i>Parastromateus niger</i>			
230.	<i>Pseudocaranx dentex</i>			
231.	<i>Scomberoides lysan</i>			
232.	<i>Selar</i> sp.			
233.	<i>Selaroides leptolepis</i>			
234.	<i>Seriolina nigrofasciata</i>			
235.	<i>Trachinotus blochii</i>			
236.	<i>Trachurus novaezelandiae</i>			
237.	<i>Uraspis secunda</i>			Y
Garcharhinidae				
238.	<i>Carcharhinus cautus</i>			
239.	<i>Carcharhinus</i> sp.			
Carphodactylidae				
240.	25497 <i>Nephrurus levis</i>			
241.	24968 <i>Nephrurus levis</i> subsp. <i>occidentalis</i>			
Casuariidae				
242.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
Caulerpaceae				
243.	26554 <i>Caulerpa brachypus</i>			
244.	35158 <i>Caulerpa corynephora</i>			
245.	26559 <i>Caulerpa cupressoides</i>			
246.	27378 <i>Caulerpa cupressoides</i> var. <i>lycopodium</i>			
247.	44547 <i>Caulerpa lamourouxii</i>			
248.	26568 <i>Caulerpa lentillifera</i>			
249.	26572 <i>Caulerpa peltata</i>			
250.	27383 <i>Caulerpa peltata</i> var. <i>macrodisca</i>			
251.	26576 <i>Caulerpa serrulata</i>			
252.	26577 <i>Caulerpa sertularioides</i>			
Celastraceae				
253.	4734 <i>Stackhousia muricata</i>			
254.	43601 <i>Stackhousia</i> sp. Mid west coastal (D. & B. Bellairs 6561)			
255.	4736 <i>Stackhousia umbellata</i>		P3	
Centriscidae				
256.	<i>Centriscus cristatus</i>			
257.	<i>Centriscus scutatus</i>			
Centrolophidae				
258.	<i>Centrolophus niger</i>			
Cepolidae				
259.	<i>Acanthoepola abbreviata</i>			
Ceramiaceae				
260.	26469 <i>Anotrichium tenue</i>			
261.	27204 <i>Ptilocladia vestita</i>			

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262.	27310 <i>Spyridia filamentosa</i>			
Chaetodontidae				
263.	<i>Chaetodon adiergastos</i>			
264.	<i>Chaetodon assarius</i>			
265.	<i>Chaetodon lunula</i>			
266.	<i>Chaetodon punctatofasciatus</i>			
267.	<i>Chaetodon trifascialis</i>			
268.	<i>Chelmon marginalis</i>			
269.	<i>Coradion chrysozonus</i>			
270.	<i>Heniochus acuminatus</i>			
271.	<i>Parachaetodon ocellatus</i>			
Champiaceae				
272.	26618 <i>Champia parvula</i>			
273.	26619 <i>Champia stipitata</i>			
Charadriidae				
274.	25575 <i>Charadrius leschenaultii</i> (Greater Sand Plover)		IA	
275.	25576 <i>Charadrius mongolus</i> (Lesser Sand Plover)		T	
276.	24377 <i>Charadrius ruficapillus</i> (Red-capped Plover)			
277.	24379 <i>Erythrogonys cinctus</i> (Red-kneed Dotterel)			
278.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
279.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
280.	24386 <i>Vanellus tricolor</i> (Banded Lapwing)			
Cheloniidae				
281.	25335 <i>Caretta caretta</i> (Loggerhead Turtle)		T	
282.	25336 <i>Chelonia mydas</i> (Green Turtle)		T	
Chenopodiaceae				
283.	2453 <i>Atriplex codonocarpa</i> (Flat-topped Saltbush)			
284.	2476 <i>Atriplex semilunaris</i> (Annual Saltbush)			
285.	2489 <i>Chenopodium gaudichaudianum</i> (Cottony Saltbush)			
286.	2499 <i>Dissocarpus paradoxus</i> (Curious Saltbush)			
287.	33501 <i>Dysphania cristata</i> (Crested Goosefoot)			
288.	2511 <i>Enchylaena tomentosa</i> (Barrier Saltbush)			
289.	12064 <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> (Barrier Saltbush)			
290.	2546 <i>Maireana integra</i>			
291.	2556 <i>Maireana planifolia</i> (Low Bluebush)			
292.	2558 <i>Maireana polypterygia</i> (Gascoyne Bluebush)			
293.	11662 <i>Maireana tomentosa</i> subsp. <i>tomentosa</i>			
294.	2573 <i>Neobassia astrocarpa</i>			
295.	2582 <i>Rhagodia eremaea</i> (Thorny Saltbush)			
296.	2584 <i>Rhagodia preissii</i>			
297.	11240 <i>Rhagodia preissii</i> subsp. <i>obovata</i>			
298.	2609 <i>Sclerolaena diacantha</i> (Grey Copperburr)			
299.	8877 <i>Sclerolaena gardneri</i>			
300.	33236 <i>Tecticornia halocnemoides</i> (Shrubby Samphire)			
301.	33238 <i>Tecticornia halocnemoides</i> subsp. <i>tenuis</i>			
302.	33318 <i>Tecticornia indica</i> subsp. <i>leiostachya</i> (Samphire)			
303.	31618 <i>Tecticornia pruinosa</i>			
304.	33220 <i>Tecticornia pterygosperma</i> subsp. <i>denticulata</i>			
305.	2644 <i>Threlkeldia diffusa</i> (Coast Bonefruit)			
Chirocentridae				
306.	<i>Chirocentrus dorab</i>			
Chthoniidae				
307.	<i>Austrochthonius easti</i>			
308.	<i>Tyrannochthonius brooksi</i>			
309.	<i>Tyrannochthonius butleri</i>			
Cirrhitidae				
310.	<i>Cirrhichthys oxycephalus</i>			
311.	<i>Cirrhitis pinnulatus</i>			
312.	<i>Paracirrhites arcatus</i>			
313.	<i>Paracirrhites forsteri</i>			
Cladophoraceae				
314.	26658 <i>Cladophora vagabunda</i>			
Cleomaceae				
315.	2988 <i>Cleome viscosa</i> (Tickweed, Tjinduwadhu)			

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Clupeidae				
316.	<i>Herklotsichthys blackburni</i>			
317.	<i>Herklotsichthys koningsbergeri</i>			
318.	<i>Pellona ditchela</i>			
Colchicaceae				
319.	1400 <i>Wurmbea odorata</i>			
Columbidae				
320.	24399 <i>Columba livia</i> (Domestic Pigeon)	Y		
321.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
322.	24402 <i>Geopelia humeralis</i> (Bar-shouldered Dove)			
323.	25585 <i>Geopelia striata</i> (Zebra Dove)			
324.	24404 <i>Geophaps plumifera</i> (Spinifex Pigeon)			
325.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
Commelinaceae				
326.	1165 <i>Commelina ensifolia</i> (Wandering Jew, Buargu)			
Congridae				
327.	<i>Conger cinereus</i>			
328.	<i>Conger</i> sp.			
Convolvulaceae				
329.	31274 <i>Duperreya commixta</i>			
330.	11416 <i>Evolvulus alsinoides</i> var. <i>decumbens</i>			
331.	11200 <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>			
332.	6624 <i>Ipomoea costata</i> (Rock Morning Glory, Kanti)			
333.	6633 <i>Ipomoea muelleri</i> (Poison Morning Glory, Yumbu)			
334.	6635 <i>Ipomoea pes-caprae</i>			
335.	11312 <i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i>			
336.	6637 <i>Ipomoea polymorpha</i>			
337.	6641 <i>Ipomoea yardiensis</i> (Yardie Morning Glory)			
338.	6653 <i>Polymeria ambigua</i> (Morning Glory)			
Corallinaceae				
339.	26983 <i>Jania adhaerens</i>			
Corvidae				
340.	24416 <i>Corvus bennetti</i> (Little Crow)			
341.	25593 <i>Corvus orru</i> (Torresian Crow)			
Coryphaenidae				
342.	<i>Coryphaena hippurus</i>			
Cracticidae				
343.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
344.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
345.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Crassulaceae				
346.	3137 <i>Crassula colorata</i> (Dense Stonecrop)			
347.	11563 <i>Crassula colorata</i> var. <i>colorata</i>			
Creediidae				
348.	<i>Limnichthys fasciatus</i>			
Cuculidae				
349.	25598 <i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
350.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
Cymodoceaceae				
351.	128 <i>Cymodocea angustata</i>			
352.	129 <i>Cymodocea serrulata</i>			
353.	131 <i>Halodule uninervis</i>			
354.	132 <i>Syringodium isoetifolium</i>			
355.	133 <i>Thalassodendron ciliatum</i>			
Cynoglossidae				
356.	<i>Cynoglossus</i> sp.			
357.	<i>Paraplagusia bilineata</i>			
Cyperaceae				
358.	750 <i>Bulbostylis barbata</i>			
359.	777 <i>Cyperus bulbosus</i> (Bush Onion, Tjanmata)			
360.	814 <i>Cyperus squarrosus</i>			
361.	818 <i>Cyperus vaginatus</i> (Stiffleaf Sedge)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Dactylopteridae				
362.	<i>Dactyloptena orientalis</i>			
363.	<i>Dactyloptena papilio</i>			
Dasyatidae				
364.	<i>Dasyatis kuhlii</i>			
Dasyuridae				
365.	24091 <i>Dasykaluta rosamondae</i> (Little Red Kaluta)			
366.	24095 <i>Ningaiu timealeyi</i> (Pilbara Ningaiu)			
367.	24098 <i>Phascogale calura</i> (Red-tailed Phascogale, Kenngoor)		T	
368.	24105 <i>Pseudantechinus roryi</i> (Rory's Pseudantechinus)			
369.	24116 <i>Sminthopsis macroura</i> (Stripe-faced Dunnart)			
Delphinidae				
370.	24064 <i>Sousa chinensis</i> (Indo-Pacific Humpback Dolphin)		P4	
371.	24067 <i>Stennella longirostris</i> subsp. <i>longirostris</i> (Spinner Dolphin)		P4	
372.	30954 <i>Tursiops aduncus</i> (Indo-Pacific Bottlenose Dolphin)			
Dicaeidae				
373.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
374.	24441 <i>Dicaeum hirundinaceum</i> subsp. <i>hirundinaceum</i> (Mistletoebird)			
Dicruridae				
375.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
376.	24452 <i>Rhipidura fuliginosa</i> subsp. <i>preissi</i> (Grey Fantail)			
377.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
378.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
379.	24457 <i>Rhipidura phasiana</i> (Mangrove Grey Fantail)			
Dictyotaceae				
380.	26775 <i>Dictyota ciliolata</i>			
381.	27043 <i>Lobophora variegata</i>			
382.	27321 <i>Styopodium flabelliforme</i>			
Dilleniaceae				
383.	5171 <i>Hibbertia spicata</i>			
384.	11481 <i>Hibbertia spicata</i> subsp. <i>spicata</i>			
Diodontidae				
385.	<i>Diodon</i> sp.			
386.	<i>Tragulichthys jaculiferus</i>			
387.	<i>Tragulichthys</i> sp.			Y
Diomedidae				
388.	34007 <i>Thalassarche chlororhynchos</i> (Atlantic Yellow-nosed Albatross)		T	
Diplodactylidae				
389.	24919 <i>Crenadactylus ocellatus</i> subsp. <i>horni</i> (Clawless Gecko)			
390.	34146 <i>Diplodactylus capensis</i> (Cape Range Stone Gecko)		P2	
391.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
392.	24938 <i>Diplodactylus ornatus</i>			
393.	30933 <i>Lucasium stenodactylum</i>			
394.	24924 <i>Strophurus ciliaris</i> subsp. <i>aberrans</i>			
395.	24927 <i>Strophurus elderi</i>			
396.	24932 <i>Strophurus jeanae</i>			
397.	24941 <i>Strophurus rankini</i>			
398.	24946 <i>Strophurus strophurus</i>			
Dugongidae				
399.	24084 <i>Dugong dugon</i> (Dugong)		S	
Echeneidae				
400.	<i>Echeneis naucrates</i>			
Elapidae				
401.	25332 <i>Acanthophis wellsi</i> (Pilbara Death Adder)			
402.	25350 <i>Aipysurus apraefrontalis</i> (Short-nosed Seasnake)		T	
403.	25351 <i>Aipysurus duboisii</i> (Dubois' Seasnake)			
404.	25355 <i>Aipysurus laevis</i> (Olive Seasnake)			
405.	25331 <i>Brachyuropis approximans</i> (North-western Shovel-nosed Snake)			
406.	25292 <i>Demansia calodera</i> (Black-necked Whipsnake)			
407.	25295 <i>Demansia psammophis</i> subsp. <i>cupreiceps</i> (Yellow-faced Whipsnake)			
408.	25362 <i>Ephalophis greyae</i>			
409.	25301 <i>Furina ornata</i> (Moon Snake)			
410.	44656 <i>Hydrophis major</i>			
411.	42410 <i>Hydrophis ornatus</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
412.	43385 <i>Hydrophis stokesii</i> (Stoke's Seasnake, Sea Snake)			
413.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
414.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
415.	25263 <i>Pseudonaja modesta</i> (Ringed Brown Snake)			
416.	25266 <i>Simoselaps bertholdi</i> (Jan's Banded Snake)			
417.	25267 <i>Simoselaps littoralis</i> (West Coast Banded Snake)			
418.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
Eleotridae				
419.	34025 <i>Milyeringa veritas</i> (Cave Gudgeon)		T	
Elopidae				
420.	<i>Elops hawaiensis</i>			
Emballonuridae				
421.	24175 <i>Taphozous georgianus</i> (Common Sheathtail-bat)			
Engraulidae				
422.	<i>Thryssa hamiltonii</i>			
423.	<i>Thryssa mystax?</i>			
424.	<i>Thryssa setirostris</i>			
Ephippidae				
425.	<i>Platax batavianus</i>			
426.	<i>Platax</i> sp.			
427.	<i>Zabidius novemaculeatus</i>			
Estrilidae				
428.	24631 <i>Emblema pictum</i> (Painted Finch)			
429.	25685 <i>Neochmia ruficauda</i> (Star Finch)			
430.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
Euphorbiaceae				
431.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
432.	35307 <i>Euphorbia australis</i> var. <i>australis</i>			
433.	4619 <i>Euphorbia biconvexa</i>			
434.	4626 <i>Euphorbia drummondii</i> (Caustic Weed, Piwi)			
435.	4635 <i>Euphorbia myrtoides</i>			
436.	4644 <i>Euphorbia sharkoensis</i>			
437.	4647 <i>Euphorbia tannensis</i>			
438.	12097 <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Desert Spurge)			
439.	42879 <i>Euphorbia trigonosperma</i>			
440.	4658 <i>Mallotus nesophilus</i>			
Fabaceae				
441.	13074 <i>Acacia alexandri</i>		P3	
442.	3223 <i>Acacia arida</i>			
443.	3241 <i>Acacia bivenosa</i>			
444.	3270 <i>Acacia coriacea</i> (Wirewood)			
445.	13500 <i>Acacia coriacea</i> subsp. <i>coriacea</i>			
446.	3356 <i>Acacia gregorii</i> (Gregory's Wattle)			
447.	29015 <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>			
448.	13078 <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
449.	29135 <i>Acacia sericophylla</i>			
450.	3549 <i>Acacia spathulifolia</i>			
451.	13076 <i>Acacia startii</i>		P3	
452.	13070 <i>Acacia synchronica</i>			
453.	3577 <i>Acacia tetragonophylla</i> (Kurara, Wakalpuka)			
454.	3749 <i>Canavalia rosea</i> (Wild Jack Bean)			
455.	13114 <i>Chorizema racemosum</i>			
456.	3774 <i>Crotalaria cunninghamii</i> (Green Birdflower, Bilbun)			
457.	18147 <i>Crotalaria incana</i> subsp. <i>incana</i>	Y		
458.	20179 <i>Crotalaria medicaginea</i> var. <i>neglecta</i>			
459.	17439 <i>Cullen lachnostachys</i>			
460.	17120 <i>Cullen pogonocarpum</i>			
461.	14375 <i>Daviesia pleurophylla</i>		P2	
462.	3871 <i>Erythrina vespertilio</i> (Yulbah)			
463.	3938 <i>Glycine canescens</i> (Silky Glycine)			
464.	17113 <i>Indigofera boviparda</i> subsp. <i>boviparda</i>			
465.	3973 <i>Indigofera colutea</i> (Sticky Indigo)			
466.	3980 <i>Indigofera linifolia</i>			
467.	3981 <i>Indigofera linnaei</i> (Birdsville Indigo)			
468.	3982 <i>Indigofera monophylla</i>			
469.	41763 <i>Indigofera</i> sp. <i>Chamaeclada</i> (G.J. Keighery & N. Gibson 1224)			

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470.	3987 <i>Indigofera trita</i>			
471.	3989 <i>Isotropis atropurpurea</i> (Poison Sage)			
472.	16489 <i>Leptosema macrocarpum</i>			
473.	18351 <i>Leucaena leucocephala</i> subsp. <i>leucocephala</i>	Y		
474.	4060 <i>Lotus australis</i> (Austral Trefoil)			
475.	4097 <i>Mirbelia ramulosa</i>			
476.	4105 <i>Mirbelia viminalis</i>			
477.	3673 <i>Parkinsonia aculeata</i> (Parkinsonia)	Y		
478.	3674 <i>Petalostylis cassioides</i>			
479.	4191 <i>Rhynchosia minima</i> (Rhynchosia)			
480.	12280 <i>Senna artemisioides</i> subsp. <i>oligophylla</i>			
481.	18443 <i>Senna ferraria</i>			
482.	12307 <i>Senna glutinosa</i> subsp. <i>glutinosa</i>			
483.	12309 <i>Senna glutinosa</i> subsp. <i>pruinosa</i>			
484.	12312 <i>Senna notabilis</i>			
485.	12353 <i>Stylosanthes hamata</i> (Verano Stylo)	Y		
486.	13596 <i>Swainsona complanata</i>			
487.	12356 <i>Swainsona formosa</i>			
488.	4231 <i>Swainsona kingii</i>			
489.	4242 <i>Swainsona pterostylis</i>			
490.	4263 <i>Tephrosia clementii</i>			
491.	19531 <i>Tephrosia rosea</i> var. <i>clementii</i>			
492.	41815 <i>Tephrosia</i> sp. <i>Camarvon</i> (J.H. Ross 2681)			
493.	30716 <i>Vachellia farnesiana</i> (Mimosa Bush)	Y		
494.	4323 <i>Vigna lanceolata</i> (Maloga Vigna, Wega)			
Falconidae				
495.	25621 <i>Falco berigora</i> (Brown Falcon)			
496.	25622 <i>Falco cenchroides</i> (Australian Kestrel)			
497.	25623 <i>Falco longipennis</i> (Australian Hobby)			
Filistatidae				
498.	<i>Wandella waldockae</i>			
499.	<i>Yardiella humphreysi</i>			
Fistulariidae				
500.	<i>Fistularia petimba</i>			
Frankeniaceae				
501.	5209 <i>Frankenia pauciflora</i> (Seaheath)			
Galaxauraceae				
502.	29616 <i>Dichotomaria marginata</i>			
503.	26835 <i>Galaxaura rugosa</i>			
Gekkonidae				
504.	24952 <i>Gehyra australis</i>			
505.	24956 <i>Gehyra pilbara</i>			
506.	24959 <i>Gehyra variegata</i>			
507.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
Gentianaceae				
508.	41660 <i>Schenkia australis</i>			
Geraniaceae				
509.	4332 <i>Erodium botrys</i> (Long Storksbill)	Y		
510.	4335 <i>Erodium cygnorum</i> (Blue Heronsbill)			
Gerreidae				
511.	<i>Gerres oblongus?</i>			Y
512.	<i>Gerres</i> sp.			
513.	<i>Gerres subfasciatus</i>			
Glareolidae				
514.	24481 <i>Glareola maldivarum</i> (Oriental Pratincole)		IA	
Glaucosomatidae				
515.	<i>Glaucosoma magnificum</i>			
Gobiesocidae				
516.	<i>Diademichthys lineatus</i>			
Gobiidae				
517.	<i>Amblyeleotris wheeleri</i>			
518.	<i>Amblygobius phalaena</i>			
519.	<i>Asterropteryx semipunctatus</i>			
520.	<i>Bathygobius fuscus</i>			

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521.	<i>Bathygobius laddi</i>			
522.	<i>Coryphopterus duospilus</i>			
523.	<i>Coryphopterus</i> sp.			
524.	<i>Cryptocentrus</i> sp.			
525.	<i>Eviota bipunctata</i>			Y
526.	<i>Eviota</i> sp.			
527.	<i>Gobiodon axillaris</i>			
528.	<i>Gobiodon citrinus</i>			
529.	<i>Oplopomus</i> sp.			Y
530.	<i>Parachaeturichthys polynema</i>			
531.	<i>Periophthalmus argentilineatus</i>			
532.	<i>Priolepis cincta</i>			
533.	<i>Priolepis nuchifasciata</i>			
534.	<i>Trimma lantana</i>			
535.	<i>Trimma okinawae</i>			
536.	<i>Valenciennesa muralis</i>			
537.	<i>Yongeichthys criniger</i>			
538.	<i>Yongeichthys nebulosus</i>			
Gobioididae				
539.	<i>Taenioides buchanani</i>			Y
Goodeniaceae				
540.	7448 <i>Dampiera incana</i> (Hoary Dampiera)			
541.	11723 <i>Dampiera incana</i> var. <i>incana</i>			
542.	7509 <i>Goodenia forrestii</i>			
543.	7526 <i>Goodenia microptera</i>			
544.	12574 <i>Goodenia prostrata</i>			
545.	7556 <i>Goodenia tenuiloba</i>			
546.	7588 <i>Lechenaultia subcymosa</i> (Wide-branching Leschenaultia)			
547.	12578 <i>Scaevola acacioides</i>			
548.	7606 <i>Scaevola crassifolia</i> (Thick-leaved Fan-flower)			
549.	7608 <i>Scaevola cunninghamii</i>			
550.	12584 <i>Scaevola pulchella</i>			
551.	7644 <i>Scaevola spinescens</i> (Currant Bush, Maroon)			
552.	7648 <i>Scaevola tomentosa</i> (Raggedleaf Fanflower)			
Gracilariaceae				
553.	35899 <i>Gracilaria canaliculata</i>			
554.	35905 <i>Hydropuntia eucheumatoides</i>			
Grammistidae				
555.	<i>Grammistes sexlineatus</i>			
556.	<i>Rainfordia opercularis</i>			
Gymnuridae				
557.	<i>Gymnura australis</i>			
Gyrostemonaceae				
558.	2784 <i>Gyrostemon ramulosus</i> (Corkybark)			
Haematopodidae				
559.	25627 <i>Haematopus fuliginosus</i> (Sooty Oystercatcher)			
560.	24487 <i>Haematopus longirostris</i> (Pied Oystercatcher)			
Haemulidae				
561.	<i>Plectorhinchus flavomaculatus</i>			
562.	<i>Plectorhinchus pictus</i>			
563.	<i>Plectorhinchus unicolor</i>			
564.	<i>Pomadasyus argenteus</i>			
565.	<i>Pomadasyus maculatus</i>			
Halcyonidae				
566.	42351 <i>Todiramphus pyrrhopygius</i> (Red-backed Kingfisher)			
567.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
Halimedaceae				
568.	26890 <i>Halimeda cuneata</i>			
569.	26894 <i>Halimeda macroloba</i>			
570.	26898 <i>Halimeda velasquezii</i>			
Haloragaceae				
571.	6174 <i>Haloragis gossei</i>			
572.	6180 <i>Haloragis trigonocarpa</i>			
Hemerocallidaceae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
573.	1284 <i>Corynotheca flexuosissima</i>			
574.	1285 <i>Corynotheca micrantha</i> (Sand Lily)			
575.	1286 <i>Corynotheca pungens</i>			
576.	1360 <i>Tricoryne corynothecooides</i>			
Hemigaleidae				
577.	<i>Hemigaleus</i> sp.			
Hirundinidae				
578.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
Holocentridae				
579.	<i>Myripristis murdjan</i>			
Hubbardiidae				
580.	33905 <i>Bamazomus subsolanus</i> (Eastern Cape Range Bamazomus)		T	
581.	33906 <i>Bamazomus vespertinus</i> (Western Cape Range Bamazomus)		T	
582.	33907 <i>Draculooides brooksi</i> (Northern Cape Range Draculooides)		T	Y
583.	33909 <i>Draculooides julianneae</i> (Western Cape Range Draculooides)		T	
584.	33915 <i>Draculooides vinei</i> (Cape Range Draculooides)		P4	
Hydrocharitaceae				
585.	164 <i>Halophila ovalis</i> (Sea Wrack)			
586.	169 <i>Thalassia hemprichii</i>			
Hyidae				
587.	34145 <i>Indohya damocles</i> (Cameron's Cave Pseudoscorpion)		T	Y
Hylidae				
588.	25375 <i>Cyclorana maini</i> (Sheep Frog)			
Hymeneliaceae				
589.	27587 <i>Aspicilia calcarea</i>			
Isoetaceae				
590.	12 <i>Isoetes inflata</i>			
Istiophoridae				
591.	<i>Istiophorus platypterus</i>			
Ixodidae				
592.	<i>Amblyomma triguttatum</i>			
Juncaginaceae				
593.	145 <i>Triglochin hexagona</i> (Six-point Arrowgrass)			
Labridae				
594.	<i>Anampses caeruleopunctatus</i>			
595.	<i>Anampses meleagrides</i>			
596.	<i>Bodianus axillaris</i>			
597.	<i>Bodianus bilunulatus</i>			
598.	<i>Cheilinus chlorourus</i>			
599.	<i>Cheilio inermis</i>			
600.	<i>Choerodon cauteroma</i>			
601.	<i>Choerodon cephalotes</i>			
602.	<i>Choerodon</i> sp.			
603.	<i>Choerodon vitta</i>			
604.	<i>Cirrhilabrus randalli</i>			
605.	<i>Cirrhilabrus</i> sp.			
606.	<i>Coris aygula</i>			
607.	<i>Coris caudimacula</i>			
608.	<i>Halichoeres biocellatus</i>			
609.	<i>Halichoeres margaritaceus</i>			
610.	<i>Halichoeres melanochir</i>			
611.	<i>Hologymnosus annulatus</i>			
612.	<i>Labroides dimidiatus</i>			
613.	<i>Macropharyngodon negrosensis</i>			
614.	<i>Macropharyngodon ornatus</i>			
615.	<i>Oxycheilinus unifasciatus</i>			
616.	<i>Pseudojuloides elongatus</i>			
617.	<i>Pteragogus enneacanthus</i>			
618.	<i>Stethojulis bandanensis</i>			
619.	<i>Stethojulis strigiventer</i>			
620.	<i>Suezichthys cyanolaemus</i>			
621.	<i>Thalassoma hardwicke</i>			
622.	<i>Thalassoma lunare</i>			
623.	<i>Thalassoma lutescens</i>			

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624.	<i>Xenophilus margaritaceus</i>			
Lamiaceae				
625.	6732 <i>Clerodendrum tomentosum</i>			
626.	13689 <i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>			
627.	13690 <i>Clerodendrum tomentosum</i> var. <i>tomentosum</i>			
628.	6754 <i>Dicrasyllis cordifolia</i>			
629.	6910 <i>Plectranthus intraterraneus</i>			
630.	35276 <i>Plectranthus scutellarioides</i>			
631.	41063 <i>Quoya loxocarpa</i>			
632.	41061 <i>Quoya paniculata</i>			
Lamnidae				
633.	34031 <i>Carcharodon carcharias</i> (Great White Shark)		T	
Lamponidae				
634.	<i>Asadipus cape</i>			
635.	<i>Lampona quinqueplagiata</i>			
636.	<i>Lamponega forceps</i>			Y
637.	<i>Notsodipus capensis</i>			
638.	<i>Pseudolampona marun</i>			
Laridae				
639.	25640 <i>Sterna dougallii</i> (Roseate Tern)		IA	
Latidae				
640.	<i>Psammoperca waigiensis</i>			
Lauraceae				
641.	12073 <i>Cassytha aurea</i> var. <i>aurea</i>			
642.	2949 <i>Cassytha capillaris</i>			
643.	11242 <i>Cassytha racemosa</i> forma <i>pilosa</i>			
Lecanoraceae				
644.	27698 <i>Clauzadeana macula</i>			
Leiognathidae				
645.	<i>Equulites moretoniensis</i>			
646.	<i>Gazza minuta</i>			
647.	<i>Leiognathus bindus</i>			
648.	<i>Leiognathus leuciscus</i>			
649.	<i>Leiognathus</i> sp.			
650.	<i>Secutor insidiator</i>			
651.	<i>Secutor interruptus</i>			
Lethrinidae				
652.	<i>Gymnocranius griseus</i>			
653.	<i>Lethrinus genivittatus</i>			
654.	<i>Lethrinus laticaudis</i>			
655.	<i>Lethrinus miniatus</i>			
656.	<i>Lethrinus nebulosus</i>			
657.	<i>Lethrinus punctulatus</i>			
658.	<i>Lethrinus rubrioperculatus</i>			
659.	<i>Lethrinus</i> sp.			
Liagoraceae				
660.	26837 <i>Ganonema farinosum</i>			
661.	26912 <i>Helminthocladia australis</i>			
Limnodynastidae				
662.	25422 <i>Neobatrachus aquilonius</i> (Northern Burrowing Frog)			
663.	25424 <i>Neobatrachus fulvus</i> (Tawny Trilling Frog)			
664.	25427 <i>Neobatrachus sutor</i> (Shoemaker Frog)			
Linyphiidae				
665.	<i>Chthiononetes tenuis</i>			
666.	<i>Dunedinia occidentalis</i>			Y
Loganiaceae				
667.	16798 <i>Logania litoralis</i>			
Loranthaceae				
668.	2369 <i>Amyema benthamii</i>			
669.	2372 <i>Amyema fitzgeraldii</i> (Pincushion Mistletoe)			
670.	2380 <i>Amyema miquelii</i> (Stalked Mistletoe)			
671.	13266 <i>Amyema miraculosa</i> subsp. <i>miraculosa</i>			
672.	2383 <i>Amyema preissii</i> (Wireleaf Mistletoe)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
673.	11874 <i>Amyema sanguinea</i> var. <i>sanguinea</i>			
Lutjanidae				
674.	<i>Lutjanus carponotatus</i>			
675.	<i>Lutjanus fulviflamma</i>			
676.	<i>Lutjanus malabaricus</i>			
677.	<i>Lutjanus vitta</i>			
Lycosidae				
678.	<i>Hoggicosa snelli</i>			
Macropodidae				
679.	24135 <i>Macropus robustus</i> subsp. <i>erubescens</i> (Euro, Biggada)			
680.	24136 <i>Macropus rufus</i> (Red Kangaroo, Marlu)			
681.	24142 <i>Petrogale lateralis</i> subsp. <i>lateralis</i> (Black-flanked Rock-wallaby, Black-footed Rock-wallaby)		T	
Maluridae				
682.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
683.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
684.	25656 <i>Stipiturus ruficeps</i> (Rufous-crowned Emu-wren)			
Malvaceae				
685.	4891 <i>Abutilon fraseri</i> (Lantern Bush)			
686.	11325 <i>Abutilon indicum</i> var. <i>australiense</i>			
687.	4901 <i>Abutilon otocarpum</i> (Desert Chinese Lantern)			
688.	14115 <i>Abutilon</i> sp. Cape Range (A.S. George 1312)			
689.	42920 <i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)			
690.	4904 <i>Alyogyne cuneiformis</i> (Coastal Hibiscus)			
691.	4907 <i>Alyogyne pinoniana</i> (Sand Hibiscus)			
692.	40910 <i>Androcalva luteiflora</i> (Yellow-flowered Rulingia)			
693.	12714 <i>Brachychiton obtusilobus</i>		P4	
694.	18410 <i>Corchorus carmarvonensis</i>			
695.	18411 <i>Corchorus congener</i>		P3	
696.	13560 <i>Corchorus crozophorifolius</i>			
697.	4918 <i>Gossypium robinsonii</i> (Wild Cotton)			
698.	4919 <i>Gossypium sturtianum</i> (Sturt's Desert Rose)			
699.	11559 <i>Gossypium sturtianum</i> var. <i>sturtianum</i>			
700.	17782 <i>Hannafordia quadrivalvis</i> subsp. <i>recurva</i>			
701.	4925 <i>Hibiscus coatesii</i>			
702.	4930 <i>Hibiscus goldsworthii</i>			
703.	4933 <i>Hibiscus leptocladus</i>			
704.	4942 <i>Hibiscus sturtii</i> (Sturt's Hibiscus)			
705.	5022 <i>Keraudrenia hermanniifolia</i>			
706.	4960 <i>Lawrenzia viridigrisea</i>			
707.	4962 <i>Malvastrum americanum</i> (Spiked Malvastrum)	Y		
708.	5051 <i>Melhania oblongifolia</i>			
709.	4970 <i>Sida calyxhymenia</i> (Tall Sida)			
710.	4982 <i>Sida kingii</i>			
711.	18149 <i>Sida rohlenae</i> subsp. <i>rohlenae</i>			
712.	4989 <i>Sida spinosa</i> (Spiny Sida)			
713.	14694 <i>Triumfetta clementii</i>			
714.	13481 <i>Triumfetta ramosa</i>			
715.	17529 <i>Triumfetta tenuiseta</i>			
716.	5106 <i>Waltheria indica</i>			
Meliphagidae				
717.	24559 <i>Acanthagenys rufogularis</i> (Spiny-cheeked Honeyeater)			
718.	24564 <i>Certhionyx variegatus</i> (Pied Honeyeater)			
719.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
720.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
721.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
722.	24582 <i>Lichmera indistincta</i> subsp. <i>indistincta</i> (Brown Honeyeater)			
723.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
724.	42323 <i>Ptilotula keartlandi</i> (Grey-headed Honeyeater)			
725.	42341 <i>Ptilotula penicillatus</i> (White-plumed Honeyeater)			
726.	42310 <i>Sugomel niger</i> (Black Honeyeater)			
Menidae				
727.	<i>Mene maculata</i>			
Menispermaceae				
728.	17345 <i>Tinospora esiangkara</i>		P2	Y

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Meropidae				
729.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)		IA	
Microdesmidae				
730.	<i>Ptereleotris evides</i>			
Molidae				
731.	<i>Ranzania laevis</i>			
Molossidae				
732.	24185 <i>Tadarida australis</i> (White-striped Freetail-bat)			
Monacanthidae				
733.	<i>Aluterus scriptus</i>			
734.	<i>Anacanthus barbatus</i>			
735.	<i>Cantherhines pardalis</i>			
736.	<i>Chaetodermis penicilligera</i>			
737.	<i>Eubalichthys caeruleoguttatus</i>			
738.	<i>Monacanthus chinensis</i>			
739.	<i>Paramonacanthus choirocephalus</i>			
740.	<i>Pervagor janthinosoma</i>			
741.	<i>Pseudomonacanthus peroni</i>			
Monocentrididae				
742.	<i>Monocentris japonicus</i>			
Moraceae				
743.	19648 <i>Ficus brachypoda</i>			
744.	12096 <i>Ficus virens</i> var. <i>virens</i>			
Mugilidae				
745.	<i>Liza alata</i>			
746.	<i>Liza</i> sp.			
747.	<i>Mugil cephalus</i>			
748.	<i>Valamugil buchanani</i>			
Mullidae				
749.	<i>Parupeneus barberinoides</i>			
750.	<i>Parupeneus</i> sp.			
751.	<i>Parupeneus spilurus</i>			
752.	<i>Upeneus</i> sp.			
753.	<i>Upeneus tragula</i>			
754.	<i>Upeneus vittatus</i>			
Muraenidae				
755.	<i>Gymnothorax buroensis</i>			
756.	<i>Gymnothorax nudivomer</i>			Y
757.	<i>Gymnothorax pseudothyrsoides</i>			
758.	<i>Gymnothorax undulatus</i>			
759.	<i>Gymnothorax zonipectis</i>			
Muridae				
760.	24223 <i>Mus musculus</i> (House Mouse)	Y		
761.	24224 <i>Notomys alexis</i> (Spinifex Hopping-mouse)			
762.	24236 <i>Pseudomys fieldi</i> (Shark Bay Mouse, Djoongari)		T	
763.	24237 <i>Pseudomys hermannsburgensis</i> (Sandy Inland Mouse)			
764.	24245 <i>Rattus rattus</i> (Black Rat)	Y		
Myobatrachidae				
765.	25432 <i>Pseudophryne douglasi</i> (Gorge Toadlet)			
Myrtaceae				
766.	5484 <i>Calytrix truncatifolia</i>			
767.	17093 <i>Corymbia hamersleyana</i>			
768.	17092 <i>Corymbia opaca</i>			
769.	17084 <i>Corymbia zygophylla</i>			
770.	35345 <i>Eucalyptus camaldulensis</i> subsp. <i>obtusa</i> (Blunt-budded River Red Gum)			
771.	5752 <i>Eucalyptus prominens</i>			
772.	15597 <i>Eucalyptus ultima</i>			
773.	14548 <i>Eucalyptus victrix</i>			
774.	15592 <i>Eucalyptus xerothermica</i>			
775.	5879 <i>Melaleuca bracteata</i> (River Teatree)			
776.	5887 <i>Melaleuca cardiophylla</i> (Tangling Melaleuca)			
777.	6051 <i>Thryptomene baeckeacea</i>			
778.	44710 <i>Thryptomene dampieri</i>			
779.	6081 <i>Verticordia forrestii</i> (Forrest's Featherflower)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
780.	12457 <i>Verticordia serotina</i>		P2	
Narcinidae				
781.	<i>Narcine westraliensis</i>			
Nemipteridae				
782.	<i>Nemipterus peronii</i>			
783.	<i>Parascolopsis</i> sp.			
784.	<i>Pentapodus emeryii</i>			
785.	<i>Pentapodus porosus</i>			
786.	<i>Pentapodus</i> sp.			
787.	<i>Pentapodus vitta</i>			
788.	<i>Scaevius milii</i>			
789.	<i>Scolopsis</i> sp.			
790.	<i>Scolopsis taenioptera</i>			
Nocticolidae				
791.	33985 <i>Nocticola fiabella</i> (Cape Range Blind Cockroach)		P2	
Nomeidae				
792.	<i>Psenes seriollela?</i>			Y
Notograptidae				
793.	<i>Notograptus guttatus</i>			
Nyctaginaceae				
794.	2770 <i>Boerhavia coccinea</i> (Tar Vine, Wituka)			
795.	2776 <i>Commicarpus australis</i> (Perennial Tar Vine)			
Oleaceae				
796.	12059 <i>Jasminum didymum</i> subsp. <i>lineare</i> (Desert Jasmine)			
797.	29056 <i>Jasminum</i> sp. <i>Exmouth</i> (G. Marsh 77)			
Oonopidae				
798.	<i>Prethopalpus alexanderi</i>			Y
Ophichthidae				
799.	<i>Brachysomophis cirrocheilos</i>			
800.	<i>Ophichthus celebicus?</i>			
Ophioglossaceae				
801.	16 <i>Helminthostachys zeylanica</i>		P3	
802.	12782 <i>Ophioglossum gramineum</i>			
803.	17 <i>Ophioglossum lusitanicum</i> (Adders Tongue)			
Opisthognathidae				
804.	<i>Opisthognathus darwiniensis</i>			
805.	<i>Opisthognathus inornatus</i>			
Orobanchaceae				
806.	12492 <i>Striga squamigera</i>			
Ostraciidae				
807.	<i>Lactoria cornuta</i>			
808.	<i>Lactoria fornasini</i>			
809.	<i>Ostracion cubicus</i>			
810.	<i>Ostracion meleagris</i>			
811.	<i>Rhynchostracion nasus</i>			
Otididae				
812.	24610 <i>Ardeotis australis</i> (Australian Bustard)			
Pachycephalidae				
813.	24612 <i>Colluricincla harmonica</i> subsp. <i>kolichisi</i> (Grey Shrike-thrush)			
814.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
815.	24620 <i>Pachycephala lanioides</i> (White-breasted Whistler)			
816.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
Paradoxosomatidae				
817.	<i>Antichiropus humphreysi</i>			Y
818.	<i>Boreohesperus capensis</i>			
819.	<i>Stygiochiropus communis</i>			
820.	33967 <i>Stygiochiropus isolatus</i> (millipede)		T	Y
821.	33968 <i>Stygiochiropus peculiaris</i> (Camerons Cave Millipede)		T	Y
822.	33969 <i>Stygiochiropus sympatricus</i> (millipede)		T	Y
Paralichthyidae				
823.	<i>Pseudorhombus arsius</i>			
824.	<i>Pseudorhombus jenynsii</i>			

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825.	<i>Pseudorhombus</i> sp.			
Pardalotidae				
826.	24627 <i>Pardalotus rubricatus</i> (Red-browed Pardalote)			
827.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
Pataecidae				
828.	<i>Pataecus</i> sp.			
Pegasidae				
829.	<i>Pegasus volitans</i>			
Pelecanidae				
830.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
Peltulaceae				
831.	27939 <i>Peltula omphaliza</i>			
Pempheridae				
832.	<i>Parapriacanthus ransonneti</i>			
833.	<i>Pempheris mangula</i>			
834.	<i>Pempheris</i> n.sp			
835.	<i>Pempheris ypsilychnus</i>			
Phaethontidae				
836.	24662 <i>Phaethon lepturus</i> (White-tailed Tropicbird)		IA	
Phalacrocoracidae				
837.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
838.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
839.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
Phalangodidae				
840.	<i>Glennhuntia glennhunti</i>			Y
Pholcidae				
841.	<i>Artema atlanta</i>			
842.	<i>Crossopriza lyoni</i>			
843.	<i>Trichocyclus nigropunctatus</i>			
844.	<i>Trichocyclus septentrionalis</i>			
Phrymaceae				
845.	7082 <i>Mimulus gracilis</i>			
Phyllanthaceae				
846.	17626 <i>Phyllanthus erwinii</i>			
847.	4680 <i>Phyllanthus maderaspatensis</i>			
848.	20228 <i>Phyllanthus</i> sp. Coastal North West (J.Z. Weber 4919)			
Pinguipedidae				
849.	<i>Parapercis diplospilus</i>			
850.	<i>Parapercis millepunctata</i>			
851.	<i>Parapercis multiplicata</i>			
852.	<i>Parapercis nebulosa</i>			
Pittosporaceae				
853.	19744 <i>Pittosporum angustifolium</i>			
854.	41300 <i>Pittosporum phillyreoides</i> (Weeping Pittosporum, Yaliti)			
Plantaginaceae				
855.	7098 <i>Stemodia grossa</i> (Marsh Stemodia, Mindjaara)			
856.	17295 <i>Stemodia</i> sp. Onslow (A.A. Mitchell 76/148)			
Platycephalidae				
857.	<i>Cymbacephalus nematophthalmus</i>			
858.	<i>Inegocia japonica</i>			
859.	<i>Platycephalus arenarius</i>			
860.	<i>Platycephalus endrachtensis</i>			
861.	<i>Suggrundus</i> sp.			
Plesiopidae				
862.	<i>Plesiops coeruleolineatus</i>			
Pleuronectidae				
863.	<i>Psammodiscus ocellatus</i>			
Plotosidae				
864.	<i>Euristhmus nudiceps</i>			
865.	<i>Paraplotosus albilabris</i>			
866.	<i>Paraplotosus butleri</i>			

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867.	<i>Plotosus lineatus</i>			
Plumbaginaceae				
868.	6490 <i>Muellerolimon salicorniaceum</i>			
869.	6491 <i>Plumbago zeylanica</i> (Native <i>Plumbago</i>)			
Poaceae				
870.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
871.	210 <i>Aristida holathera</i>			
872.	217 <i>Aristida nitidula</i> (Flat-awned Threawn)			
873.	240 <i>Bothriochloa ewartiana</i> (Desert Bluegrass)			
874.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
875.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
876.	279 <i>Cymbopogon ambiguus</i> (Scentgrass)			
877.	13741 <i>Dichanthium sericeum</i> subsp. <i>humilius</i>			
878.	313 <i>Digitaria ctenantha</i> (Comb Finger Grass)			
879.	357 <i>Enneapogon caeruleus</i> (Limestone Grass)			
880.	360 <i>Enneapogon lindleyanus</i> (Wiry Nineawn, Purple-head Nineawn)			
881.	375 <i>Eragrostis cumingii</i> (Cuming's Love Grass)			
882.	380 <i>Eragrostis eriopoda</i> (Woollybutt Grass, Wangumu)			
883.	381 <i>Eragrostis falcata</i> (Sickle Lovegrass)			
884.	400 <i>Eriachne aristidea</i>			
885.	411 <i>Eriachne helmsii</i> (Buck Wanderrie Grass)			
886.	413 <i>Eriachne mucronata</i> (Mountain Wanderrie Grass)			
887.	414 <i>Eriachne obtusa</i> (Northern Wandarrie Grass)			
888.	11011 <i>Eulalia aurea</i>			
889.	458 <i>Iseilema dolichotrichum</i>			
890.	503 <i>Panicum decompositum</i> (Native Millet, Kaltu-kaltu)			
891.	11232 <i>Paractaenum novae-hollandiae</i> subsp. <i>novae-hollandiae</i>			
892.	518 <i>Paspalidium clementii</i> (Clements Paspalidium)			
893.	525 <i>Paspalidium tabulatum</i>			
894.	606 <i>Setaria dielsii</i> (Diels' Pigeon Grass)			
895.	625 <i>Spinifex longifolius</i> (Beach Spinifex)			
896.	635 <i>Sporobolus virginicus</i> (Marine Couch)			
897.	679 <i>Triodia angusta</i>			
898.	680 <i>Triodia basedowii</i> (Lobed Spinifex)			
899.	13131 <i>Triodia epactia</i>			
900.	696 <i>Triodia pungens</i> (Soft Spinifex)			
901.	17873 <i>Triodia schinzii</i>			
902.	704 <i>Triodia wiseana</i> (Limestone Spinifex)			
903.	706 <i>Triraphis mollis</i> (Needle Grass)			
Podargidae				
904.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
Podicipedidae				
905.	24681 <i>Polyocephalus polyocephalus</i> (Hoary-headed Grebe)			
906.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
Poeciliidae				
907.	<i>Gambusia holbrooki</i>			
908.	<i>Poecilia reticulata</i>			
Polygonaceae				
909.	2409 <i>Emex australis</i> (Doublegee)	Y		
Polynemidae				
910.	<i>Polydactylus multiradiatus</i>			
911.	<i>Polydactylus plebius</i>			
Polyphysaceae				
912.	26442 <i>Acetabularia calyculus</i>			
Pomacanthidae				
913.	<i>Apolemichthys trimaculatus</i>			
914.	<i>Centropyge eibli</i>			
915.	<i>Centropyge tibicen</i>			
916.	<i>Chaetodontoplus duboulayi</i>			
917.	<i>Pomacanthus semicirculatus</i>			
Pomacentridae				
918.	<i>Abudefduf bengalensis</i>			
919.	<i>Amphiprion perideraion</i>			
920.	<i>Amphiprion rubrocinctus</i>			
921.	<i>Chromis fumea</i>			

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922.	<i>Chromis margaritifer</i>			
923.	<i>Chromis weberi</i>			
924.	<i>Chromis westaustralis</i>			
925.	<i>Dascyllus reticulatus</i>			
926.	<i>Dascyllus trimaculatus</i>			
927.	<i>Neopomacentrus azysron</i>			
928.	<i>Neopomacentrus cyanomos</i>			
929.	<i>Plectroglyphidodon lacrymatus</i>			
930.	<i>Plectroglyphidodon leucozonus</i>			
931.	<i>Pomacentrus milleri</i>			
932.	<i>Pomacentrus moluccensis</i>			
933.	<i>Pomacentrus nagasakiensis</i>			
934.	<i>Pomacentrus sp.</i>			
935.	<i>Pomacentrus vaiuli</i>			
936.	<i>Pristotis obtusirostris</i>			
937.	<i>Stegastes fasciolatus</i>			
938.	<i>Stegastes obreptus</i>			

Pomatostomidae

939.	25706	<i>Pomatostomus temporalis</i> (Grey-crowned Babbler)		
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Portulacaceae

940.	2884	<i>Portulaca oleracea</i> (Purslane, Wakati)		
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Priacanthidae

941.		<i>Priacanthus hamrur</i>		
942.		<i>Priacanthus tayenus</i>		

Primulaceae

943.	6484	<i>Samolus repens</i> (Creeping Brookweed)		
944.	14026	<i>Samolus sp.</i> Shark Bay (M.E. Trudgen 7410)		

Procellariidae

945.	24715	<i>Puffinus huttoni</i> (Hutton's Shearwater)		T
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Prodidomidae

946.		<i>Cryptoerithus harveyi</i>		
947.		<i>Nomindra leeuweni</i>		
948.		<i>Wesmaldra learnmonth</i>		
949.		<i>Wyndura kennedy</i>		

Proteaceae

950.	1799	<i>Banksia ashbyi</i> (Ashby's Banksia)		
951.	33400	<i>Banksia ashbyi</i> subsp. <i>boreoscaia</i>		
952.	1972	<i>Grevillea calcicola</i>		P3
953.	2001	<i>Grevillea eriostachya</i> (Flame Grevillea, Kaliny-kalinyapa)		
954.	2012	<i>Grevillea gordoniana</i>		
955.	2096	<i>Grevillea stenobotrya</i>		
956.	2117	<i>Grevillea variifolia</i> (Cape Range Grevillea)		
957.	15686	<i>Grevillea variifolia</i> subsp. <i>bundera</i>		
958.	15685	<i>Grevillea variifolia</i> subsp. <i>variifolia</i>		
959.	2207	<i>Hakea stenophylla</i>		
960.	16897	<i>Hakea stenophylla</i> subsp. <i>stenophylla</i>		

Psettodidae

961.		<i>Psettodes erumei</i>		
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Pseudochromidae

962.		<i>Assiculus punctatus</i>		
963.		<i>Congrogadus malayanus</i>		
964.		<i>Congrogadus spinifer</i>		
965.		<i>Pseudochromis fuscus</i>		
966.		<i>Pseudochromis marshallensis</i>		
967.		<i>Pseudochromis tapeinosoma</i>		
968.		<i>Pseudoplesiops rosae</i>		

Pseudogrammatidae

969.		<i>Pseudogramma polyacanthum</i>		
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Psittacidae

970.	25716	<i>Cacatua sanguinea</i> (Little Corella)		
971.	24727	<i>Cacatua sanguinea</i> subsp. <i>westralensis</i> (Little Corella)		
972.	24736	<i>Melopsittacus undulatus</i> (Budgerigar)		
973.	24742	<i>Nymphicus hollandicus</i> (Cockatiel)		

Psoraceae

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
974.	28000 <i>Psora decipiens</i>			
Pteridaceae				
975.	12796 <i>Cheilanthes adiantoides</i>			
976.	31 <i>Cheilanthes austrotenuifolia</i>			
977.	37 <i>Cheilanthes lasiophylla</i> (Woolly Cloak Fern)			
Ptilonorhynchidae				
978.	24757 <i>Ptilonorhynchus maculatus</i> subsp. <i>guttatus</i> (Western Bowerbird)			
Pygopodidae				
979.	24992 <i>Aprasia rostrata</i> (Monte Bello Worm-lizard)		T	
980.	24995 <i>Delma australis</i>			
981.	25001 <i>Delma nasuta</i>			
982.	30829 <i>Delma tealei</i>			
983.	25004 <i>Delma tincta</i>			
984.	25005 <i>Lialis burtonis</i>			
985.	25009 <i>Pygopus nigriceps</i>			
Rachycentridae				
986.	<i>Rachycentron canadum</i>			
Rallidae				
987.	25727 <i>Fulica atra</i> (Eurasian Coot)			
988.	25730 <i>Gallirallus philippensis</i> (Buff-banded Rail)			
989.	24765 <i>Gallirallus philippensis</i> subsp. <i>mellori</i> (Buff-banded Rail)			
Recurvirostridae				
990.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
Rhinidae				
991.	<i>Rhynchobatus djiddensis</i>			
Rhizophoraceae				
992.	5295 <i>Rhizophora stylosa</i> (Spotted-leaved Red Mangrove)			
Rhizophyllidaceae				
993.	27186 <i>Portieria homemannii</i>			
Rhodomelaceae				
994.	26453 <i>Amansia rhodantha</i>			
995.	26628 <i>Chondria armata</i>			
996.	27171 <i>Polysiphonia blandii</i>			
Rhodymeniaceae				
997.	26686 <i>Coelarthrum opuntia</i>			
Rubiaceae				
998.	7338 <i>Oldenlandia crouchiana</i>			
999.	18256 <i>Opercularia spermacocea</i>			
Ruppiaceae				
1000.	114 <i>Ruppia maritima</i> (Sea Tassel)			
Rutaceae				
1001.	4456 <i>Diplolaena grandiflora</i> (Wild Rose)			
Salticidae				
1002.	<i>Cosmophasis baehrae</i>			
Santalaceae				
1003.	10977 <i>Exocarpos aphyllus</i> (Leafless Ballart)			
1004.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
1005.	2357 <i>Santalum lanceolatum</i> (Northern Sandalwood, Yamguli)			
Sapindaceae				
1006.	11487 <i>Alectryon oleifolius</i> subsp. <i>oleifolius</i>			
1007.	4745 <i>Diplopeltis eriocarpa</i> (Hairy Pepperflower)			
1008.	4747 <i>Diplopeltis intermedia</i>			
1009.	11669 <i>Diplopeltis intermedia</i> var. <i>intermedia</i>			
Sargassaceae				
1010.	44573 <i>Sargassopsis decurrens</i>			
1011.	27234 <i>Sargassum cristaefolium</i>			
Scaridae				
1012.	<i>Leptoscarus vaigiensis</i>			
1013.	<i>Scarus aeruginosus</i>			Y
Scatophagidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1014.	<i>Selenotoca multifasciata</i>			
Schendylidae				
1015.	<i>Australoschendyla capensis</i>			
Sciaenidae				
1016.	<i>Argyrosomus japonicus</i>			
Scincidae				
1017.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
1018.	25020 <i>Cryptoblepharus plagiocephalus</i>			
1019.	25043 <i>Ctenotus grandis</i> subsp. <i>titan</i>			
1020.	25044 <i>Ctenotus hanloni</i>			
1021.	25046 <i>Ctenotus iapetus</i>			
1022.	25048 <i>Ctenotus inornatus</i>			
1023.	25463 <i>Ctenotus pantherinus</i> (Leopard Ctenotus)			
1024.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
1025.	25069 <i>Ctenotus rufescens</i>			
1026.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
1027.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
1028.	<i>Cyclodomorphus</i> sp.			
1029.	43381 <i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)			
1030.	25109 <i>Eremiascincus richardsonii</i> (Broad-banded Sand Swimmer)			
1031.	25120 <i>Lerista allochira</i> (Cape Range Slider)		P3	
1032.	25125 <i>Lerista bipes</i>			
1033.	30928 <i>Lerista clara</i>			
1034.	25133 <i>Lerista elegans</i>			
1035.	25148 <i>Lerista lineopunctulata</i>			
1036.	25482 <i>Lerista macropisthopus</i>			
1037.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
1038.	25163 <i>Lerista planiventralis</i> subsp. <i>planiventralis</i>			
1039.	25184 <i>Menetia greyii</i>			
1040.	25491 <i>Menetia surda</i>			
1041.	25191 <i>Morethia lineocellata</i>			
1042.	25193 <i>Morethia ruficauda</i> subsp. <i>exquisita</i>			
1043.	25197 <i>Notoscincus ornatus</i> subsp. <i>ornatus</i>			
1044.	25202 <i>Tiliqua multifasciata</i> (Central Blue-tongue)			
1045.	25207 <i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
Scolopacidae				
1046.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
1047.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
1048.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
1049.	24780 <i>Calidris alba</i> (Sanderling)		IA	
1050.	24784 <i>Calidris ferruginea</i> (Curlew Sandpiper)		T	
1051.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
1052.	24789 <i>Calidris subminuta</i> (Long-toed Stint)		IA	
1053.	30932 <i>Limosa lapponica</i> (Bar-tailed Godwit)		IA	
1054.	25741 <i>Limosa limosa</i> (Black-tailed Godwit)		IA	
1055.	24798 <i>Numenius madagascariensis</i> (Eastern Curlew)		T	
1056.	24799 <i>Numenius minutus</i> (Little Curlew)		IA	
1057.	25742 <i>Numenius phaeopus</i> (Whimbrel)		IA	
1058.	24806 <i>Tringa glareola</i> (Wood Sandpiper)		IA	
1059.	24808 <i>Tringa nebularia</i> (Common Greenshank)		IA	
Scolopendridae				
1060.	<i>Cormocephalus aurantiipes</i>			
1061.	<i>Cormocephalus strigosus</i>			
1062.	<i>Ethmostigmus rubripes</i>			
Scombridae				
1063.	<i>Rastrelliger kanagurta</i>			
1064.	<i>Scomberomorus queenslandicus</i>			
Scorpaenidae				
1065.	<i>Ablabys taenianotus</i>			
1066.	<i>Apistus carinatus</i>			
1067.	<i>Dendrochirus brachypterus</i>			
1068.	<i>Inimicus sinensis</i>			
1069.	<i>Liocranium praepositum</i>			
1070.	<i>Minous</i> sp.			
1071.	<i>Minous versicolor</i>			
1072.	<i>Paracentropogon vespa</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
1073.	<i>Parascorpaena picta</i>			
1074.	<i>Pterois antennata</i>			
1075.	<i>Pterois russelli</i>			
1076.	<i>Pterois volitans</i>			
1077.	<i>Scorpaenodes guamensis</i>			
1078.	<i>Scorpaenodes sp.</i>			
1079.	<i>Scorpaenodes varipinnis</i>			
1080.	<i>Scorpaenopsis diabolus</i>			
1081.	<i>Scorpaenopsis papuensis</i>			
Scorpididae				
1082.	<i>Microcanthus strigatus</i>			
Scrophulariaceae				
1083.	29715 <i>Eremophila forrestii</i> subsp. <i>capensis</i>		P3	
1084.	15052 <i>Eremophila forrestii</i> subsp. <i>forrestii</i>			
1085.	7234 <i>Eremophila longifolia</i> (<i>Berrigan, Tulypurpa</i>)			
1086.	16363 <i>Eremophila maculata</i> subsp. <i>brevifolia</i> (<i>Native Fuchsia</i>)			
1087.	15032 <i>Eremophila occidentis</i>		P2	
1088.	23997 <i>Eremophila tietkensis</i>			
1089.	16040 <i>Eremophila youngii</i> subsp. <i>lepidota</i>		P4	
Scyliorhinidae				
1090.	<i>Atelomycterus fasciatus</i>			
Scytosiphonaceae				
1091.	26949 <i>Hydroclathrus clathratus</i>			
Serranidae				
1092.	<i>Centrogenys vaigiensis</i>			
1093.	<i>Cephalopholis boenak</i>			
1094.	<i>Cephalopholis sonnerati</i>			
1095.	<i>Epinephelus bilobatus</i>			
1096.	<i>Epinephelus coioides</i>			
1097.	<i>Epinephelus rivulatus</i>			
1098.	<i>Epinephelus sexfasciatus</i>			
1099.	<i>Epinephelus sp.</i>			
1100.	<i>Plectropomus maculatus</i>			
1101.	<i>Pseudanthias cooperi</i>			
Siganidae				
1102.	<i>Siganus fuscescens</i>			
1103.	<i>Siganus sp.</i>			
1104.	<i>Siganus spinus</i>			
1105.	<i>Siganus trispilos</i>			
Sillaginidae				
1106.	<i>Sillago analis</i>			
1107.	<i>Sillago burrus</i>			
1108.	<i>Sillago lutea</i>			
1109.	<i>Sillago maculata</i>			
1110.	<i>Sillago sp.</i>			
Siphonocladaceae				
1111.	27359 <i>Ventricaria ventricosa</i>			
Solanaceae				
1112.	6966 <i>Duboisia hopwoodii</i> (<i>Pituri, Kundugu</i>)			
1113.	6974 <i>Nicotiana glauca</i> (<i>Tree Tobacco</i>)	Y		
1114.	6976 <i>Nicotiana occidentalis</i> (<i>Native Tobacco</i>)			
1115.	11856 <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i>			
1116.	6998 <i>Solanum cleistogamum</i>			
1117.	7002 <i>Solanum diversiflorum</i>			
1118.	7018 <i>Solanum lasiophyllum</i> (<i>Flannel Bush, Mindjulu</i>)			
Soleidae				
1119.	<i>Aseraggodes sp.</i>			
1120.	<i>Aseraggodes whiteyi</i>			
1121.	<i>Dexillus muelleri</i>			
1122.	<i>Liachirus whiteyi</i>			Y
1123.	<i>Zebrias cancellatus</i>			
1124.	<i>Zebrias quagga</i>			
Sparassidae				
1125.	<i>Heteropoda hermitis</i>			
1126.	<i>Isopedella tindalei</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Sparidae				
1127.	<i>Acanthopagrus latus</i>			
Sphyraenidae				
1128.	<i>Sphyraena barracuda</i>			
1129.	<i>Sphyraena obtusata</i>			
Sylviidae				
1130.	24833 <i>Cincloramphus cruralis</i> (Brown Songlark)			
1131.	24834 <i>Cincloramphus mathewsi</i> (Rufous Songlark)			
1132.	24837 <i>Eremiornis carteri</i> (Spinifex-bird)			
Synanceiidae				
1133.	<i>Synanceia horrida</i>			
Synbranchidae				
1134.	34038 <i>Ophisternon candidum</i> (Blind Cave Eel)		T	
Syngnathidae				
1135.	<i>Halicampus grayi</i>			
1136.	<i>Halicampus spirostris</i>			Y
Synodontidae				
1137.	<i>Synodus hoshinonis?</i>			Y
1138.	<i>Synodus sp.</i>			
1139.	<i>Synodus variegatus</i>			
1140.	<i>Trachinocephalus myops</i>			
Tengellidae				
1141.	<i>Bengalla bertmaini</i>			
Terapontidae				
1142.	<i>Pelates quadrilineatus</i>			
1143.	<i>Terapon jarbua</i>			
1144.	<i>Terapon puta</i>			
1145.	<i>Terapon theraps</i>			
Tetraodontidae				
1146.	<i>Arothron stellatus</i>			
1147.	<i>Canthigaster coronata</i>			
1148.	<i>Canthigaster janthinoptera</i>			
1149.	<i>Chelonodon patoca</i>			
1150.	<i>Lagocephalus sceleratus</i>			
1151.	<i>Torquigener pallimaculatus</i>			
1152.	<i>Torquigener tuberculiferus</i>			
1153.	<i>Torquigener whitleyi</i>			
Theridiidae				
1154.	<i>Latrodectus hasseltii</i>			
Threskiornithidae				
1155.	24845 <i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
Thymelaeaceae				
1156.	5230 <i>Pimelea ammocharis</i>			
1157.	11185 <i>Pimelea microcephala</i> subsp. <i>microcephala</i>			
Triacanthidae				
1158.	<i>Triacanthus biaculeatus</i>			
1159.	<i>Triacanthus sp.</i>			
Trichiuridae				
1160.	<i>Trichiurus sp.</i>			
Triglidae				
1161.	<i>Lepidotrigla sp.</i>			
Tripterygiidae				
1162.	<i>Enneapterygius gracilis</i>			
1163.	<i>Enneapterygius tutuilae</i>			
1164.	<i>Helcogramma decurrens</i>			
1165.	<i>Helcogramma striata</i>			
1166.	<i>Norfolkia brachylepis</i>			
1167.	<i>Norfolkia sp.</i>			
Trochanteriidae				
1168.	<i>Trachyspina capensis</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Turnicidae				
1169.	24851 <i>Turnix velox</i> (Little Button-quail)			
Udoteaceae				
1170.	27121 <i>Penicillus nodulosus</i>			
Unidentified Larvae				
1171.	? ?			
Uranoscopidae				
1172.	<i>Ichthyoscopus insperatus</i>			
Urticaceae				
1173.	12670 <i>Parietaria cardiostegia</i>			
Valoniaceae				
1174.	36143 <i>Valonia fastigiata</i>			
Varanidae				
1175.	25209 <i>Varanus acanthurus</i> (Spiny-tailed Monitor)			
1176.	25210 <i>Varanus brevicauda</i> (Short-tailed Pygmy Monitor)			
1177.	25212 <i>Varanus eremius</i> (Pygmy Desert Monitor)			
1178.	25216 <i>Varanus giganteus</i> (Perentie)			
1179.	25218 <i>Varanus gouldii</i> (Bungarra or Sand Monitor)			
1180.	25526 <i>Varanus tristis</i> (Racehorse Monitor)			
Veliferidae				
1181.	<i>Metavelifer multiradiatus</i>			
1182.	<i>Velifer hypselopterus</i>			
Verbenaceae				
1183.	6733 <i>Lantana camara</i> (Common Lantana)	Y		
Vespertilionidae				
1184.	24186 <i>Chalinolobus gouldii</i> (Gould's Wattled Bat)			
1185.	24205 <i>Vespadelus finlaysoni</i> (Finlayson's Cave Bat)			
Violaceae				
1186.	5215 <i>Hybanthus aurantiacus</i>			
1187.	5219 <i>Hybanthus enneaspermus</i>			
Zodariidae				
1188.	<i>Euasteron ursulae</i>			
1189.	<i>Leptasteron platyconductor</i>			
1190.	<i>Masasteron sampeyae</i>			
1191.	<i>Storena sinuosa</i>			
Zosteropidae				
1192.	24857 <i>Zosterops luteus</i> (Yellow White-eye)			
1193.	<i>Zosterops luteus</i> subsp. <i>balstoni</i>			
Zygophyllaceae				
1194.	4375 <i>Tribulus cistoides</i>			
1195.	4377 <i>Tribulus hirsutus</i>			
1196.	4378 <i>Tribulus hystrix</i>			
1197.	4379 <i>Tribulus macrocarpus</i>			
1198.	4380 <i>Tribulus occidentalis</i> (Perennial Caltrop)			
1199.	18072 <i>Tribulus suberosus</i>			
1200.	4390 <i>Zygophyllum fruticosum</i> (Shrubby Twinleaf)			
1201.	4395 <i>Zygophyllum retivalve</i>			

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

¹ 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.



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 [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 13/08/15 11:33:58

[Summary](#)

[Details](#)

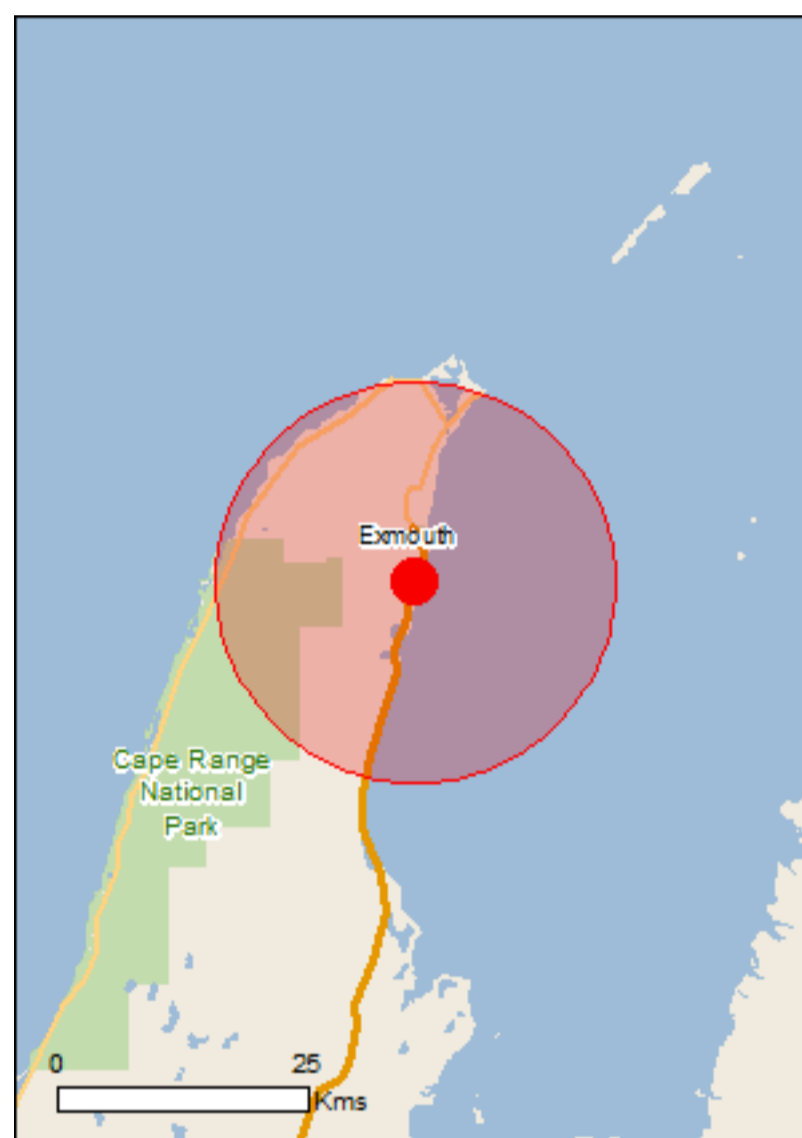
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

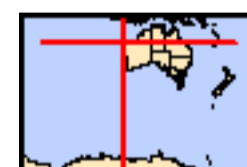
[Acknowledgements](#)



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[Coordinates](#)

Buffer: 20.0Km



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 [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	1
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	22
Listed Migratory Species:	27

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/index.html>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	5
Commonwealth Heritage Places:	None
Listed Marine Species:	63
Whales and Other Cetaceans:	13
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine:	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:	3
Regional Forest Agreements:	None
Invasive Species:	10
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties		[Resource Information]
Name	State	Status
The Ningaloo Coast	WA	Declared property

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
The Ningaloo Coast	WA	Listed place

Listed Threatened Species [\[Resource Information \]](#)

Name	Status	Type of Presence
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Birds		
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	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 known to occur within area
Thalassarche melanophris impavida Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area

Fish

Milyeringa veritas Blind Gudgeon [66676]	Vulnerable	Species or species habitat likely to occur within area
Ophisternon candidum Blind Cave Eel [66678]	Vulnerable	Species or species habitat likely to occur within area

Mammals

Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat likely to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Petrogale lateralis lateralis Black-flanked Rock-wallaby [66647]	Vulnerable	Species or species habitat known to occur within area
Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat may occur within

Name	Status	Type of Presence area
Reptiles		
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Sharks		
Carcharias taurus (west coast population) Grey Nurse Shark (west coast population) [68752]	Vulnerable	Species or species habitat known to occur within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Pristis clavata Dwarf Sawfish, Queensland Sawfish [68447]	Vulnerable	Species or species habitat known to occur within area
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Species or species habitat known to occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Migratory Marine Species		
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

Name	Threatened	Type of Presence within area
Carcharodon carcharias Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Dugong dugon Dugong [28]		Breeding known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to 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 known to occur within area
Megaptera novaeangliae Humpback Whale [38]	Vulnerable	Congregation or aggregation known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat known to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species

Name	Threatened	Type of Presence
Glareola maldivarum Oriental Pratincole [840]		habitat may occur within area Species or species habitat may occur within area
Pandion cristatus Eastern Osprey [82411]		Breeding known to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [\[Resource Information \]](#)

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

Name
Commonwealth Land - Defence - EXMOUTH ADMIN & HF TRANSMITTING Defence - EXMOUTH VLF TRANSMITTER STATION Defence - LEARMONTH RADAR SITE - TWIN TANKS EXMOUTH Defence - LEARMONTH RADAR SITE - VLAMING HEAD EXMOUTH

Listed Marine Species [\[Resource Information \]](#)

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

Name	Threatened	Type of Presence
Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel [1060]	Endangered	Species or species

Name	Threatened	Type of Presence
Merops ornatus Rainbow Bee-eater [670]		habitat may occur within area Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Pterodroma mollis Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
Fish		
Acentronura larsonae Helen's Pygmy Pipehorse [66186]		Species or species habitat may occur within area
Bulbonaricus brauni Braun's Pughead Pipefish, Pug-headed Pipefish [66189]		Species or species habitat may occur within area
Campichthys tricarinatus Three-keel Pipefish [66192]		Species or species habitat may occur within area
Choeroichthys brachysoma Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area
Choeroichthys latispinosus Muiron Island Pipefish [66196]		Species or species habitat may occur within area
Choeroichthys suillus Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
Doryrhamphus dactyliophorus Banded Pipefish, Ringed Pipefish [66210]		Species or species habitat may occur within area
Doryrhamphus janssi Cleaner Pipefish, Janss' Pipefish [66212]		Species or species habitat may occur within area
Doryrhamphus multiannulatus Many-banded Pipefish [66717]		Species or species habitat may occur within area
Doryrhamphus negrosensis Flagtail Pipefish, Masthead Island Pipefish [66213]		Species or species habitat may occur within area
Festucalex scalaris Ladder Pipefish [66216]		Species or species habitat may occur within area
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area
Halicampus brocki Brock's Pipefish [66219]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
Halicampus grayi Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area
Halicampus nitidus Glittering Pipefish [66224]		Species or species habitat may occur within area
Halicampus spinirostris Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
Haliichthys taeniophorus Ribboned Pipehorse, Ribboned Seadragon [66226]		Species or species habitat may occur within area
Hippichthys penicillus Beady Pipefish, Steep-nosed Pipefish [66231]		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 histrix Spiny Seahorse, Thorny Seahorse [66236]		Species or species habitat may occur within area
Hippocampus kuda Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area
Micrognathus micronotopterus Tidepool Pipefish [66255]		Species or species habitat may occur within area
Phoxocampus belcheri Black Rock Pipefish [66719]		Species or species habitat may occur within area
Solegnathus hardwickii Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area
Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
Solenostomus paegnius Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
Mammals		
Dugong dugon Dugong [28]		Breeding known to occur within area
Reptiles		
Acalyptophis peronii Horned Seasnake [1114]		Species or species habitat may occur within area
Aipysurus apraefrontalis Short-nosed Seasnake [1115]	Critically Endangered	Species or species habitat known to occur within area
Aipysurus duboisii Dubois' Seasnake [1116]		Species or species habitat may occur within area
Aipysurus eydouxii Spine-tailed Seasnake [1117]		Species or species habitat may occur within area
Aipysurus laevis Olive Seasnake [1120]		Species or species habitat may occur within area
Astrotia stokesii Stokes' Seasnake [1122]		Species or species habitat may occur within area
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Breeding known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Foraging, feeding or related behaviour known to occur within area
Disteira kingii Spectacled Seasnake [1123]		Species or species habitat may occur within area
Disteira major Olive-headed Seasnake [1124]		Species or species habitat may occur within area
Emydocephalus annulatus Turtle-headed Seasnake [1125]		Species or species habitat may occur within area
Ephalophis greyi North-western Mangrove Seasnake [1127]		Species or species habitat may occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Breeding known to occur within area
Hydrophis elegans Elegant Seasnake [1104]		Species or species habitat may occur within area
Hydrophis ornatus Spotted Seasnake, Ornate Reef Seasnake [1111]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
Pelamis platurus Yellow-bellied Seasnake [1091]		Species or species habitat may 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
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
Grampus griseus Risso's Dolphin, Grampus [64]		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
Sousa chinensis Indo-Pacific Humpback Dolphin [50]		Species or species habitat known to occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900]		Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area

Extra Information

State and Territory Reserves [\[Resource Information \]](#)

Name	State
Bundegi Coastal Park	WA
Cape Range	WA
Jurabi Coastal Park	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 Resources Audit, 2001.

Name	Status	Type of Presence
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Birds

Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
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Mammals

Capra hircus Goat [2]		Species or species habitat likely to occur within area
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Equus caballus Horse [5]		Species or species habitat likely to occur within area
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Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
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Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
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Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
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Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
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Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
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Plants

Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
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Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
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Nationally Important Wetlands [\[Resource Information \]](#)

Name	State
Cape Range Subterranean Waterways	WA

Caveat

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

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

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

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

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-21.97406 114.12707

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:

- [-Department of Environment, Climate Change and Water, New South Wales](#)
- [-Department of Sustainability and Environment, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment and Natural Resources, South Australia](#)
- [-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [-Environmental and Resource Management, Queensland](#)
- [-Department of Environment and Conservation, Western Australia](#)
- [-Department of the Environment, Climate Change, Energy and Water](#)
- [-Birds Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-SA 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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-State Forests of NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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 C Flora Data

Likelihood of Occurrence Assessment Guiding Parameter

Likelihood of Occurrence	Guiding Parameters
Known	Species previously recorded within the survey areas
Likely	Species is relatively wide spread, has been previously recorded within the survey area and suitable habitat occurs within the survey area; OR Species is rare but has been previously recorded within 100 m of the survey area and suitable habitat occurs at the survey area.
Possible	Species previously recorded within the survey area and suitable habitat occurring in the survey area
Unlikely	Suitable habitat for the species does not occur at the survey area; OR Suitable habitat does occur but the species has a highly restricted distribution, is very rare and only known from a limited number of populations. The survey area is outside the species' natural distribution.

Table 22 Likelihood of Occurrence Assessment for conservation significant flora taxa

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
<i>Cyperus victoriensis</i>	P1	TPList	20 km NE of survey area 4	Perennial, grass-like or herb (sedge), to 0.6 m high.	Along creeks.		3	Possible	Unlikely – Not recorded. Habitat not present.
<i>Abutilon</i> sp. Quobba (H. Demarz 3858)	P2	TPList, WA Herb	33 km W of survey area 9	Erect shrub, 0.5-1.3 m high.	Sand.	Fl. yellow-orange, Jul to Sep.	7	Unlikely – survey areas outside its known range.	Unlikely – Not recorded.
<i>Acacia ryaniana</i>	P2	TPList; TPFL, WA Herb	3 km NW of survey area 11	Prostrate, straggly or domed, spinescent shrub, 0.1-0.4 m high.	White or red sand. Coastal sand dunes.	Fl. yellow, Jun to Nov.	20	Possible	Unlikely – Not recorded. Habitat not present.
<i>Acanthocarpus rupestris</i>	P2	NM; TPFL, WA Herb	200 m N of survey area 11	Rhizomatous, tufted perennial, herb, to 0.5 m high.	Red sand, limestone.	Fl. white, May to Jun.	12	Possible	Unlikely – Not recorded. Habitat not present.
<i>Crinum flaccidum</i>	P2	TPList; TPFL, WA Herb	100 m N of survey area 1.	Bulbaceous, perennial, herb, to 1 m high.	Loam, clay, sandstone. Swamps, creeks.	Fl. white/cream/yellow, Oct to Dec or Jan or May.	14	Likely	Likely – Not recorded. This taxon prefers loam, clay, sandstone associated with swamps and creeks. It has been recorded 100 m north of survey area 1. Similar habitat type, the Floodplain vegetation type was recorded within survey area 1. It is considered likely for <i>Crinum flaccidum</i> to occur within survey area 1..
<i>Daviesia pleurophylla</i>	P2	TPList, TPFL	13 km N of survey area 11	Divaricately branched shrub, ca 0.7 m high.	Sand dunes.		7	Possible	Unlikely – Not recorded. Habitat not present.

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
<i>Eremophila occidentis</i>	P2	TPList, TPFL, WA Herb	12 km SW of survey area 19	Shrub, to 1.5 m high.	Orange/brown sand. Limestone ranges, dunes of the Cape Range.	Fl. purple-violet, Aug to Sep.	17	Unlikely – Recorded restricted to the elevated areas of the Cape Range.	Unlikely – Not recorded.
<i>Harnieria kempeana</i> subsp. <i>rhadinophylla</i>	P2	NM; TPList, TPFL, WA Herb	4 km SW of survey area 11	Erect or sprawling, spreading, straggly shrub, to 1 m high.	Calcareous loam. Amongst limestone rocks, creek banks.	Fl. pink/red-purple, May to Sep.	11	Unlikely - Records within this region are restricted to the Cape Range.	Unlikely – Not recorded, records within this region are restricted to the Cape Range.
<i>Tinospora esiangkara</i>	P2	TPList, TPFL, WA Herb	2 km N of survey area 10	Climber, to 2 m high, large stems with brown, flaky bark.	Pebbly orange-brown calcareous loam. Limestone outcrops or ridges, near creek bank.	Fl. green, Jul.	7	Likely	Possible – Not recorded. This taxon prefers pebbly orange to brown calcareous loam on Limestone outcrops or ridges near creek bank. Similar habitat was recorded within survey area 11 and associated with the Creekline vegetation type.
<i>Verticordia serotina</i>	P2	NM; TPList, TPFL, WA Herb	10 km W of survey area 11	Shrub, 0.5-1.5 m high.	Red sand. Sand dunes.	Fl. pink, Aug to Sep.	5	Possible	Unlikely – Not recorded. No suitable habitat present
<i>Acacia alexandri</i>	P3	NM: TPFL, WA Herb	Within survey area 11	Open or moderately dense, sometimes wispy shrub, 1.5-3 m high.	Limestone. Stony creeks, steep rocky slopes.	Fl. cream, Jun or Aug to Sep.	30	Likely	Present – Recorded in survey area 11
<i>Acacia startii</i>	P3	NM; TPFL,	8 km N of	Dense, rounded, much-branched	Calcareous loam with	Fl. green-yellow, Jul	48	Possible	Unlikely – Not recorded.

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
		WA Herb	Survey area 6	shrub, 1-2 m high, to 3 m wide.	limestone pebbles. Stony hills & watercourses	to Aug.			
<i>Beyeria cinerea</i> subsp. <i>cinerea</i>	P3	TPFL, WA Herb	21 km west of survey areas 3 and 4.	Small spreading shrub to 0.3 m	Yellow, brown sandy loam. Rocky ridge, limestone.		55	Unlikely – the nearest record is associated with sand dune system near camp 14 mile beach. This dune system does form part of the survey area.	Unlikely – No suitable habitat recorded.
<i>Carpobrotus</i> sp. Thevenard Island (M. White 050)	P3	NM, WA Herb	29 km W of survey area 9	Prostrate, succulent perennial, herb, leaves sessile, triangular in cross-section; fruit turbinate.	Coarse white sand. Dune tops, disturbed	Fl. cream, Aug.	13	Unlikely - survey areas outside its known range	Unlikely – Not recorded. Habitat not present.
<i>Corchorus congener</i>	P3	NM; TPFL, WA Herb	2 km N of survey area 11.	Spreading shrub, to 0.6 m high.	Sand, red sandy loam with limestone. Sand dunes, plains.	Fl. yellow, Apr to Jun or Aug to Nov.	23	Likely	Present – Recorded in survey area 11
<i>Eremophila forrestii</i> subsp. <i>capensis</i>	P3	TPList, WA Herb	10 km W of survey area 10	Sparsely to much-branched shrub, to 1.4 m high.	Brown rocky soils, limestone. Ridges of the		8	Unlikely – Recorded generally restricted to the elevated	Unlikely – Not recorded. Habitat present.

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
					Cape Range.			areas of the Cape Range	
<i>Grevillea calcicola</i>	P3	NM, TPFL, WA Herb	3 km S of survey area 9	Small straggly tree or shrub (several-stemmed), to 4 m high.	Limestone hilltops.	Fl. cream-white, May or Jul to Aug.	15	Possible	Possible – Not recorded. Habitat present.
<i>Gymnanthera cunninghamii</i>	P3	WA Herb	13 km W of survey area 1	Erect shrub, 1-2 m high.	Sandy soils.	Fl. cream-yellow-green, Jan to Dec.	32	Unlikely – Nearest record situated along Minilya River. No tributaries of this river intercept the survey area.	Unlikely – Not recorded
<i>Owenia acidula</i>	P3	WAHerb, TPFL	Within survey area 1 (GHD, 2009)	Tree, 3-8 m high	Clay.	Fl. white-brown/cream	18	Known	Present – Within survey area 1.
<i>Ptilotus alexandri</i>	P3	WA Herb	11.3 km W of survey areas 3 and 4	Erect annual, herb, 0.1-0.3 m high, leaves spatulate.	Red-white sand. Dunes.	Fl. pink, Aug to Oct.	13	Possible	Unlikely – not recorded and no suitable habitat present.
<i>Rhynchosia bungarensis</i>	P3	TPList, WA Herb		Compact, prostrate shrub, to 0.5 m high.	Pebbly, shingly coarse sand amongst boulders. Banks of flow line in the mouth of a gully in a valley wall.	Fl. yellow.	76	Unlikely – Records restricted to the elevated areas of the Cape Range.	Unlikely – Not recorded. Habitat not present
<i>Stackhousia clementii</i>	P3	WAHerb, TPFL	43 km S of survey area 1	Dense broom-like perennial, herb, to	Skeletal soils.	Fl. green/yello	41	Unlikely – survey areas	Unlikely – Not recorded. Habitat not present

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
				0.45 m high.	Sandstone hills.	w/brown.		outside its known range.	
<i>Stackhousia umbellata</i>	P3	TPList, WA Herb	4 km N of survey area 10	Spreading perennial, herb, to 0.7 m high.	Sandy soils on limestone.	Fl. yellow, May to Aug.	18	Possible	Unlikely – Not recorded. Suitable habitat present in survey area 11, the habitat was impacted by weedy grass cover. Unlikely to provide habitat for this species. Possible – Not recorded. Suitable habitat present in survey area 11.
<i>Stenanthemum divaricatum</i>	P3	TPList	77 km S of survey area 1	Small, much-branched shrub.	White or yellow sand over sandstone.		16	Unlikely – survey areas outside its known range.	Unlikely- Not recorded.
<i>Brachychiton obtusilobus</i>	P4	NM, WA Herb	100 m S of survey area 11.	Tree, 3.5-6 m high.	Skeletal soils. Rocky limestone ranges, gorges, occasionally sandplains.	Fl. cream, Aug to Sep.	13	Likely	Unlikely – Similar habitat was recorded within survey area 11, which is associated with the Creekline and Low Rocky Outcrop which forms part of the mosaic vegetation type. As this taxon was not recorded within the survey area, it is unlikely to provide important habitat.
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	P4	TPList, WA Herb	4 km S of survey area 11	Dense, spreading shrub, (0.2-)1-3 m high.	Stony red sandy loam. Flats plains, floodplains, sometimes	Fl. purple-red-pink, Jan or Mar or Jun or	119	Possible	Unlikely – Not recorded. Habitat not present.

Species Name	Status	Source	Nearest record	Description	Preferred habitat	Preferred flowering time	Nature map counts	Possible - desktop	Possible – field
					semi-saline, clay flats.	Aug to Sep.			
<i>Livistona alfredii</i>	P4	TPList, WA Herb	17 km W of survey area 10	Tree-like monocot (palm), to 10 m high.	Edges of permanent pools.	Fl. cream, Jul to Sep.	33	Unlikely – Records restricted to the elevated areas of the Cape Range	Unlikely –Not recorded. No suitable soil type present.

NM NatureMap (DPaW, 2007-)

WAHERB Western Australian Herbarium (1998-)

P Priority listed by Department of Parks and Wildlife (DPaW)

Table 23 Flora recorded from the survey area

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Acanthaceae	<i>Dipteracanthus</i>	<i>australasicus</i> subsp. <i>australasicus</i>						x	x					
Aizoaceae	<i>Trianthera</i>	<i>pilosum</i>		x										
Aizoaceae	<i>Trianthera</i>	<i>triquetrum</i>		x										
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*					x	x	x	x	x		x
Amaranthaceae	<i>Alternanthera</i>	<i>nodiflora</i>		x										
Amaranthaceae	<i>Amaranthus</i>	<i>clementii</i>						x						
Amaranthaceae	<i>Ptilotus</i>	<i>astrolasius</i>									x			
Amaranthaceae	<i>Ptilotus</i>	<i>axillaris</i>		x				x	x	x	x			
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>				x			x	x	x	x	x	x
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>		x		x		x	x	x		x	x	
Amaranthaceae	<i>Ptilotus</i>	<i>gomprenooides</i>			x		x	x	x	x				
Amaranthaceae	<i>Ptilotus</i>	<i>helipterioides</i>			x	x	x							
Amaranthaceae	<i>Ptilotus</i>	<i>macrocephalus</i>		x				x						
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>				x	x	x	x	x	x		x	x
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		x		x	x	x	x	x		x	x	x
Amaranthaceae	<i>Ptilotus</i>	<i>polakii</i> subsp. <i>juxtus</i>		x	x									
Amaranthaceae	<i>Ptilotus</i>	<i>polystachyus</i>		x	x	x								
Amaranthaceae	<i>Ptilotus</i>	<i>villosiflorus</i>						x						x
Apocynaceae	<i>Cynanchum</i>	<i>floribundum</i>											x	
Apocynaceae	<i>Rhyncharrhena</i>	<i>linearis</i>		x		x							x	
Apocynaceae	<i>Sarcostemma</i>	<i>viminale</i> subsp. <i>australe</i>		x		x								
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>						x	x	x	x			
Asparagaceae	<i>Acanthocarpus</i>	<i>verticillatus</i>						x	x				x	x
Asphodelaceae	<i>Asphodelus</i>	<i>fistulosus</i>	*			x			x				x	
Asteraceae	<i>Angianthus</i>	<i>acrohalyinus</i>						x	x					
Asteraceae	<i>Angianthus</i>	<i>milnei</i>				x	x	x	x		x	x	x	
Asteraceae	<i>Angianthus</i>	<i>tomentosus</i>				x								
Asteraceae	<i>Bidens</i>	<i>bipinnata</i>	*									x		x
Asteraceae	<i>Brachyscome</i>	<i>oncocarpa</i>											x	
Asteraceae	<i>Brachyscome</i>	sp. (insufficient material)		x										
Asteraceae	<i>Calotis</i>	<i>plumulifera</i>		x									x	
Asteraceae	<i>Centipeda</i>	<i>minima</i> subsp. <i>macrocephala</i>										x		

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Asteraceae	<i>Centipeda</i>	<i>minima</i>		x										
Asteraceae	<i>Cephaleprium</i>	<i>drummondii</i>				x	x							
Asteraceae	<i>Flaveria</i>	<i>trinervia</i>	*			x			x		x		x	
Asteraceae	<i>Gnephosis</i>	<i>arachnoidea</i>							x	x				
Asteraceae	<i>Lactuca</i>	<i>serriola</i>	*RE 300 km N									x		
Asteraceae	<i>Olearia</i>	sp. Kennedy Range (G. Byrne 66)						x	x	x	x	x		
Asteraceae	<i>Pluchea</i>	<i>dentex</i>					x					x		
Asteraceae	<i>Pluchea</i>	<i>tetranthera</i>		x					x			x		
Asteraceae	<i>Podolepis</i>	<i>aristata</i> subsp. <i>aristata</i>						x	x	x	x			x
Asteraceae	<i>Podolepis</i>	<i>lessonii</i>		x										
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>						x	x	x	x	x	x	x
Asteraceae	<i>Rhodanthe</i>	<i>citrina</i>				x	x							
Asteraceae	<i>Sigesbeckia</i>	<i>orientalis</i>	*									x		
Asteraceae	<i>Sonchus</i>	<i>asper</i>	*									x		
Asteraceae	<i>Sonchus</i>	<i>oleraceus</i>	*									x		x
Asteraceae	<i>Streptoglossa</i>	<i>decurrens</i>		x						x	x	x	x	x
Asteraceae	<i>Streptoglossa</i>	<i>liatroides</i>			x									
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>		x		x	x		x		x			x
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>						x						
Boraginaceae	<i>Haloragis</i>	<i>trigonocarpa</i>						x						
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		x				x	x		x			x
Boraginaceae	<i>Heliotropium</i>	<i>curassavicum</i>										x		
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>						x	x	x	x			
Boraginaceae	<i>Trichodesma</i>	<i>zeylanicum</i>		x									x	x
Brassicaceae	<i>Lepidium</i>	<i>platypetalum</i>										x		
Brassicaceae	<i>Lepidium</i>	<i>pedicellosum</i>				x			x					
Campanulaceae	<i>Lobelia</i>	<i>gibbosa</i>	RE 630 km North					x	x		x			
Campanulaceae	<i>Lobelia</i>	<i>heterophylla</i>						x	x		x		x	x
Campanulaceae	<i>Wahlenbergia</i>	<i>tumidifructa</i>												x
Campanulaceae	<i>Wahlenbergia</i>	<i>communis</i>								x				
Campanulaceae	<i>Wahlenbergia</i>	<i>tumidifructa</i>						x	x					
Capparaceae	<i>Capparis</i>	<i>lasiantha</i>				x		x	x			x		
Capparaceae	<i>Capparis</i>	<i>spinosa</i>							x	x				x

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Celastraceae	<i>Stackhousia</i>	<i>muricata</i>							x					
Chenopodiaceae	<i>Atriplex</i>	<i>codonocarpa</i>		x	x									
Chenopodiaceae	<i>Atriplex</i>	<i>vesicaria</i>		x		x	x							
Chenopodiaceae	<i>Chenopodium</i>	<i>gaudichaudium</i>		x	x	x								
Chenopodiaceae	<i>Chenopodium</i>	<i>murale</i>	*									x		
Chenopodiaceae	<i>Dissocarpus</i>	<i>paradoxus</i>					x							
Chenopodiaceae	<i>Dysphania</i>	<i>kalpari</i>				x		x	x					
Chenopodiaceae	<i>Dysphania</i>	<i>melanocarpa</i>		x	x				x	x	x	x	x	
Chenopodiaceae	<i>Dysphania</i>	<i>plantaginella</i>										x		
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		x	x	x		x	x	x	x	x		
Chenopodiaceae	<i>Maireana</i>	? <i>pyramidata</i>		x										
Chenopodiaceae	<i>Maireana</i>	<i>carnosa</i>				x	x							
Chenopodiaceae	<i>Maireana</i>	<i>polypterygia</i>				x	x							
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>				x		x	x		x			
Chenopodiaceae	<i>Rhagodia</i>	<i>baccata</i>										x		
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii</i> subsp. <i>obovata</i>		x	x	x	x	x	x			x	x	
Chenopodiaceae	<i>Salsola</i>	<i>australis</i>				x								
Chenopodiaceae	<i>Scaevola</i>	<i>tomentosa</i>							x					
Chenopodiaceae	<i>Sclerolaena</i>	<i>cornishiana</i>				x	x							
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>		x			x	x	x			x		
Chenopodiaceae	<i>Sclerolaena</i>	<i>eurotioides</i>		x										
Chenopodiaceae	<i>Sclerolaena</i>	<i>tricuspis</i>			x									
Chenopodiaceae	<i>Sclerolaena</i>	<i>tridens</i>		x	x									
Chenopodiaceae	<i>Tecticornia</i>	<i>doleiformis</i>					x							
Chenopodiaceae	<i>Tecticornia</i>	<i>pruinosa</i>										x		
Colchicaceae	<i>Wurmbea</i>	<i>odorata</i>						x	x	x				
Convolvulaceae	<i>Convolvulaceae</i>	sp. (insufficient material)				x								
Convolvulaceae	<i>Duperreya</i>	<i>commixta</i>		x		x								x
Convolvulaceae	<i>Evolvulus</i>	<i>alsinoides</i> var. <i>villosicalyx</i>							x					x
Convolvulaceae	<i>Ipomoea</i>	<i>coptica</i>												x
Convolvulaceae	<i>Ipomoea</i>	<i>muelleri</i>		x										
Convolvulaceae	<i>Ipomoea</i>	<i>pes-caprae</i>												x
Convolvulaceae	<i>Ipomoea</i>	<i>yardiensis</i>									x	x		

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Convolvulaceae	<i>Operculina</i>	<i>aequisepala</i>							x			x		
Convolvulaceae	<i>Polymeria</i>	<i>ambigua</i>						x				x	x	
Cucurbitaceae	<i>Citrullus</i>	<i>lanatus</i>	*					x	x	x				
Cucurbitaceae	<i>Cucumis</i>	<i>althaeoides</i>		x							x			
Cucurbitaceae	<i>Momordica</i>	<i>balsamma</i>	*										x	
Cyperaceae	<i>Bulbostylis</i>	<i>barbata</i>		x				x	x	x				
Cyperaceae	<i>Bulbostylis</i>	<i>clementii</i>						x						
Cyperaceae	<i>Cyperus</i>	<i>rigidellus</i>		x										
Dilleniaceae	<i>Hibbertia</i>	<i>spicata</i>												x
Euphorbiaceae	<i>Adriana</i>	<i>tomentosa</i>									x			
Euphorbiaceae	<i>Adriana</i>	<i>tomentosa</i> var. <i>tomentosa</i>											x	x
Euphorbiaceae	<i>Beyeria</i>	<i>cinerea</i> subsp. <i>borealis</i>							x	x				
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>				x			x	x	x			x
Euphorbiaceae	<i>Euphorbia</i>	<i>boophthona</i>			x	x	x							
Euphorbiaceae	<i>Euphorbia</i>	<i>drummondii</i>				x	x			x		x	x	x
Euphorbiaceae	<i>Euphorbia</i>	<i>myrtoides</i>		x		x	x		x	x	x		x	
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>									x		x	x
Euphorbiaceae	<i>Rhynchosia</i>	<i>tomentosa</i>									x			
Euphorbiaceae	<i>Euphorbia</i>	<i>drummondii</i>						x						
Fabaceae	<i>Acacia</i>	<i>alexandri</i>	P3											x
Fabaceae	<i>Acacia</i>	<i>arida</i>												x
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>						x	x	x	x	x	x	x
Fabaceae	<i>Acacia</i>	<i>colei</i>	RE							x				
Fabaceae	<i>Acacia</i>	<i>coriacea</i>			x			x	x	x	x	x	x	x
Fabaceae	<i>Acacia</i>	<i>coriacea</i> subsp. <i>pendens</i>		x										
Fabaceae	<i>Acacia</i>	<i>cuspidifolia</i>		x	x	x	x			x				
Fabaceae	<i>Acacia</i>	<i>gregorii</i>						x	x	x	x		x	
Fabaceae	<i>Acacia</i>	<i>ligulata</i>							x					
Fabaceae	<i>Acacia</i>	<i>pyrifolia</i>							x		x	x	x	x
Fabaceae	<i>Acacia</i>	<i>ramulosa</i> var. <i>linophylla</i>				x								
Fabaceae	<i>Acacia</i>	<i>saligna</i>	430 km RE N					x						
Fabaceae	<i>Acacia</i>	<i>sclerosperma</i> subsp. <i>sclerosperma</i>		x	x	x			x	x	x			
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>		x		x	x		x		x	x		x

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Fabaceae	<i>Acacia</i>	<i>sibilans</i>		x										
Fabaceae	<i>Acacia</i>	<i>spathulifolia</i>						x	x		x			
Fabaceae	<i>Acacia</i>	<i>stellaticeps</i>									x			
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		x	x	x	x		x		x	x	x	x
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		x	x	x	x	x	x	x	x	x		x
Fabaceae	<i>Acacia</i>	<i>trachycarpa</i>								x				
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>			x	x	x					x		
Fabaceae	<i>Aeschynomene</i>	<i>indicata</i>		x										
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		x				x	x	x	x	x		
Fabaceae	<i>Crotalaria</i>	<i>incana</i> subsp. <i>incana</i>	*			x								
Fabaceae	<i>Crotalaria</i>	<i>medicaginea</i> var. <i>neglecta</i>												x
Fabaceae	<i>Cullen</i>	<i>cinereum</i>		x										
Fabaceae	<i>Cullen</i>	<i>lachnostachys</i>										x		
Fabaceae	<i>Cullen</i>	<i>pogonocarpum</i>									x		x	x
Fabaceae	<i>Daviesia</i>	<i>benthamii</i> subsp. <i>benthamii</i>						x	x	x				
Fabaceae	<i>Erythrina</i>	<i>vespertilio</i>												x
Fabaceae	<i>Glycine</i>	<i>canescens</i>											x	x
Fabaceae	<i>Indigofera</i>	<i>boviperda</i>		x					x		x	x	x	x
Fabaceae	<i>Indigofera</i>	<i>brevidens</i>						x						
Fabaceae	<i>Indigofera</i>	<i>colutea</i>								x			x	x
Fabaceae	<i>Indigofera</i>	<i>linifolia</i>											x	
Fabaceae	<i>Indigofera</i>	<i>linnaei</i>			x							x		x
Fabaceae	<i>Indigofera</i>	<i>monophylla</i>						x	x	x	x		x	x
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>						x	x	x	x			x
Fabaceae	<i>Labichea</i>	<i>cassioides</i>								x	x			
Fabaceae	<i>Leptosema</i>	<i>macrocarpum</i>												x
Fabaceae	<i>Lotus</i>	<i>australis</i>				x		x					x	
Fabaceae	<i>Olearia</i>	sp. Kennedy Range (G. Byrne 66)									x			
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>						x	x	x	x	x	x	x
Fabaceae	<i>Senna</i>	<i>artemisioides</i> subsp. <i>helmsii</i>									x			
Fabaceae	<i>Senna</i>	<i>artemisioides</i> subsp. <i>oligophylla</i>				x	x	x	x		x	x	x	x
Fabaceae	<i>Senna</i>	<i>ferraria</i>						x						
Fabaceae	<i>Senna</i>	<i>glutinosa</i> subsp. <i>glutinosa</i>				x								

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Fabaceae	<i>Senna</i>	<i>glutinosa</i> subsp. <i>pruinosa</i>									x			
Fabaceae	<i>Senna</i>	<i>notabilis</i>									x			
Fabaceae	<i>Senna</i>	sp. Meekatharra (E. Baily 1-26)				x	x							
Fabaceae	<i>Sesbania</i>	<i>cannabina</i>							x					x
Fabaceae	<i>Swainsona</i>	<i>complanata</i>											x	
Fabaceae	<i>Swainsona</i>	<i>formosa</i>										x	x	x
Fabaceae	<i>Swainsona</i>	<i>pterostylis</i>						x	x		x			
Fabaceae	<i>Tephrosia</i>	<i>rosea</i> var. <i>clementii</i>							x					
Fabaceae	<i>Tephrosia</i>	sp. B Kimberley Flora (C.A. Gardner 7300)		x				x	x					
Fabaceae	<i>Tephrosia</i>	<i>supina</i>							x					
Fabaceae	<i>Vachellia</i>	<i>farnesiana</i>	*	x	x	x		x	x	x				
Frankeniaceae	<i>Frankenia</i>	<i>pauciflora</i>										x		
Gentianaceae	<i>Erodium</i>	<i>cygnorum</i>												x
Gentianaceae	<i>Erodium</i>	<i>crinitum</i>											x	
Gentianaceae	<i>Erodium</i>	sp. (insufficient material)				x								
Gentianaceae	<i>Schenkia</i>	<i>australis</i>							x			x	x	x
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>						x	x	x	x		x	
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>						x	x	x	x			
Goodeniaceae	<i>Goodenia</i>	<i>forrestii</i>											x	x
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>		x	x	x			x			x	x	x
Goodeniaceae	<i>Scaevola</i>	<i>canescens</i>									x			
Goodeniaceae	<i>Scaevola</i>	<i>cunninghamii</i>						x	x	x	x		x	
Goodeniaceae	<i>Scaevola</i>	<i>parvifolia</i> subsp. <i>parvifolia</i>						x	x		x	x		
Goodeniaceae	<i>Scaevola</i>	<i>pulchella</i>						x	x		x			
Goodeniaceae	<i>Scaevola</i>	<i>sericophylla</i>							x					x
Goodeniaceae	<i>Scaevola</i>	<i>spinescens</i>										x		
Goodeniaceae	<i>Scaevola</i>	<i>tomentosa</i>			x	x		x			x	x		x
Gyrostemonaceae	<i>Gyrostemon</i>	<i>ramulosus</i>									x			
Haloragaceae	<i>Haloragis</i>	<i>gossei</i>							x				x	x
Haloragaceae	<i>Haloragis</i>	<i>trigonocarpa</i>						x						
Hemerocallidaceae	<i>Acanthocarpus</i>	<i>humilis</i>												
Hemerocallidaceae	<i>Corynotheca</i>	<i>pungens</i>											x	
Hemerocallidaceae	<i>Dianella</i>	<i>revoluta</i>												

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Hemerocallidaceae	<i>Tricoryne</i>	<i>corynothecoides</i>						x	x	x	x			
Hemerocallidaceae	<i>Dianella</i>	<i>revoluta</i>						x						
Hemerocallidaceae	<i>Acanthocarpus</i>	<i>humilis</i>						x						
Lamiaceae	<i>Clerodendrum</i>	<i>tomentosum</i> var. <i>lanceolatum</i>										x		x
Lamiaceae	<i>Clerodendrum</i>	<i>tomentosum</i>								x				
Lamiaceae	<i>Quoya</i>	<i>loxocarpa</i>							x	x	x			
Laminaceae	<i>Salvia</i>	<i>verbenaca</i>	*RE 650 km N						x					
Lauraceae	<i>Cassytha</i>	<i>aurea</i>								x				
Lauraceae	<i>Cassytha</i>	sp. (insufficient material)						x	x	x	x			x
Loganiaceae	<i>Logania</i>	<i>litoralis</i>										x		
Loranthaceae	<i>Amyema</i>	<i>preissii</i>											x	x
Malvaceae	<i>Abutilon</i>	<i>cunninghamii</i>												x
Malvaceae	<i>Abutilon</i>	<i>fraseri</i>									x			
Malvaceae	<i>Abutilon</i>	<i>lepidum</i>						x		x	x		x	
Malvaceae	<i>Abutilon</i>	<i>otocarpum</i>		x		x		x	x	x	x	x		x
Malvaceae	<i>Abutilon</i>	<i>oxycarpum</i> subsp. <i>Prostrate</i> (A.A. Mitchell PRP 1266)				x								
Malvaceae	<i>Abutilon</i>	<i>sidioides</i>						x			x			
Malvaceae	<i>Abutilon</i>	sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)									x			
Malvaceae	<i>Adriana</i>	<i>tomentosa</i>							x					
Malvaceae	<i>Adriana</i>	<i>tomentosa</i> var. <i>tomentosa</i>						x						
Malvaceae	<i>Alogyne</i>	<i>hakeifolia</i>									x			
Malvaceae	<i>Alogyne</i>	<i>pinoniana</i>						x	x		x			
Malvaceae	<i>Corchorus</i>	<i>congener</i>	P3								x	x		
Malvaceae	<i>Corchorus</i>	<i>crozophorifolius</i>		x										
Malvaceae	<i>Corchorus</i>	<i>lasiocarpus</i> subsp. <i>parva</i>												x
Malvaceae	<i>Corchorus</i>	<i>otocarpum</i>						x						
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>						x	x	x	x			x
Malvaceae	<i>Cullen</i>	<i>cinereum</i>							x					
Malvaceae	<i>Gossypium</i>	<i>australe</i>									x			
Malvaceae	<i>Gossypium</i>	<i>robinsonii</i>										x	x	x
Malvaceae	<i>Hannafordia</i>	<i>quadrialvis</i> subsp. <i>recurva</i>						x	x	x	x		x	x
Malvaceae	<i>Hibiscus</i>	<i>coatesii</i>							x	x				

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Malvaceae	<i>Hibiscus</i>	<i>sturtii</i> var. <i>platyklamys</i>						x	x	x	x	x	x	x
Malvaceae	<i>Lawrenzia</i>	<i>viridigrisea</i>										x		
Malvaceae	<i>Lawrenzia</i>	<i>densiflora</i>				x	x							
Malvaceae	<i>Malvastrum</i>	<i>americanum</i>	*	x					x			x	x	
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>						x		x	x	x	x	x
Malvaceae	<i>Sida</i>	<i>calyxhymentia</i>					x	x	x					
Malvaceae	<i>Sida</i>	<i>fibulifera</i>						x	x	x	x	x	x	
Malvaceae	<i>Sida</i>	<i>rohlena</i>											x	
Malvaceae	<i>Sida</i>	sp. (insufficient material)										x		
Marsileaceae	<i>Marsilea</i>	<i>hirsuta</i>		x										
Meliaceae	<i>Owenia</i>	<i>acidula</i>	P3	x										
Moraceae	<i>Ficus</i>	<i>brachypoda</i>						x	x	x				x
Myrtaceae	<i>Corymbia</i>	<i>hamersleyana</i>											x	x
Myrtaceae	<i>Eucalyptus</i>	<i>camaldulensis</i> subsp. <i>obtusa</i>	+									x		
Myrtaceae	<i>Eucalyptus</i>	<i>victrix</i>					x		x					
Myrtaceae	<i>Eucalyptus</i>	<i>xerothermica</i>										x	x	x
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>						x	x	x	x			
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>								x	x			
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>						x	x	x	x			
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>							x	x				
Nyctaginaceae	<i>Commicarpus</i>	<i>australis</i>							x					
Oleaceae	<i>Jasminum</i>	sp. Exmouth (G. Marsh 77)											x	x
Orobanchaceae	<i>Striga</i>	<i>curvifolia</i>						x	x					
Passifloraceae	<i>Passiflora</i>	<i>foetida</i>	*RE 300 km N											x
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>						x	x					
Phyllanthaceae	<i>Sauropus</i>	<i>lissocarpus</i>						x	x	x			x	x
Pittosporaceae	<i>Pittosporum</i>	<i>angustifolium</i>											x	
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>						x	x	x		x		
Plantaginaceae	<i>Stemodia</i>	sp. Onslow (A.A. Mitchell 76/148)										x	x	

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Plantaginaceae	<i>Stemodia</i>	<i>viscosa</i>		x										
Plumbaginaceae	<i>Muellerolimon</i>	<i>salicorniaceum</i>										x		
Plumbaginaceae	<i>Plumbago</i>	<i>zeylanica</i>				x								x
Poaceae	<i>Aristida</i>	<i>contorta</i>				x	x				x			x
Poaceae	<i>Aristida</i>	<i>holathera</i>						x	x	x	x			
Poaceae	<i>Aristida</i>	<i>holathera</i> var. <i>holathera</i>						x	x					
Poaceae	<i>Avena</i>	<i>sativa</i>	*RE 700 km North								x			
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	x	x	x	x	x	x	x	x	x	x	x
Poaceae	<i>Chloris</i>	<i>barbata</i>	*											x
Poaceae	<i>Chrysopogon</i>	<i>fallax</i>						x	x		x			
Poaceae	<i>Cymbopogon</i>	<i>ambiguus</i>						x	x		x			x
Poaceae	<i>Cynodon</i>	<i>dactylon</i>	*	x								x		
Poaceae	<i>Dactyloctenium</i>	<i>radulans</i>				x								
Poaceae	<i>Dichanthium</i>	<i>sericeum</i>				x	x							
Poaceae	<i>Dichanthium</i>	<i>sericeum</i> subsp. <i>humilius</i>										x		
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>				x	x	x	x	x		x		x
Poaceae	<i>Eragrostis</i>	<i>cumingii</i>		x										
Poaceae	<i>Eragrostis</i>	<i>dielsii</i>		x	x	x	x	x				x		
Poaceae	<i>Eragrostis</i>	<i>eriopoda</i>						x	x	x				
Poaceae	<i>Eragrostis</i>	<i>falcata</i>										x		
Poaceae	<i>Eriachne</i>	<i>benthamii</i>		x										
Poaceae	<i>Eriachne</i>	<i>helmsii</i>						x	x	x	x			x
Poaceae	<i>Eriachne</i>	<i>pulchella</i> subsp. <i>dominii</i>		x		x	x							
Poaceae	<i>Eulalia</i>	<i>aurea</i>		x		x							x	x
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>			x	x	x	x		x				x
Poaceae	<i>Paraneurachne</i>	<i>muelleri</i>							x	x				
Poaceae	<i>Setaria</i>	<i>dielsii</i>				x								
Poaceae	<i>Sorghum</i>	<i>plumosum</i>							x		x			
Poaceae	<i>Spinifex</i>	<i>longifolius</i>										x		


Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Poaceae	<i>Sporobolus</i>	<i>australasicus</i>		x										
Poaceae	<i>Sporobolus</i>	<i>virginicus</i>		x								x		
Poaceae	<i>Themeda</i>	<i>triandra</i>							x		x			x
Poaceae	<i>Triodia</i>	<i>angusta</i>						x	x	x	x			
Poaceae	<i>Triodia</i>	<i>basedowii</i>									x	x	x	x
Poaceae	<i>Triodia</i>	<i>pungens</i>								x		x		
Poaceae	<i>Triodia</i>	<i>schinzii</i>								x	x			
Poaceae	<i>Triraphis</i>	<i>mollis</i>				x								
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>						x	x	x	x			
Portulacaceae	<i>Calandrinia</i>	<i>polyandra</i>							x					
Portulacaceae	<i>Calandrinia</i>	<i>remota</i>												
Portulacaceae	<i>Calandrinia</i>	sp. (insufficient material)												
Portulacaceae	<i>Portulaca</i>	<i>oleracea</i>						x	x	x				
Portulacaceae	<i>Calandrinia</i>	sp. (insufficient material)						x						
Portulacaceae	<i>Calandrinia</i>	<i>polyandra</i>						x						
Proteaceae	<i>Grevillea</i>	<i>stenobotrya</i>												x
Proteaceae	<i>Grevillea</i>	<i>gordoniana</i>		x							x			
Proteaceae	<i>Hakea</i>	<i>lorea</i>								x				
Proteaceae	<i>Hakea</i>	<i>preissii</i>		x	x		x							
Proteaceae	<i>Hakea</i>	<i>stenophylla</i>						x	x	x	x			
Rubiaceae	<i>Oldenlandia</i>	<i>crouchiana</i>											x	
Rubiaceae	<i>Synaptantha</i>	<i>tilleacea</i>						x		x				
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>				x	x		x		x	x		x
Santalaceae	<i>Santalatum</i>	<i>lanceolatum</i>		x								x		x
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		x	x	x	x	x	x	x	x	x	x	x
Sapindaceae	<i>Diplopeltis</i>	<i>eriocarpa</i>						x	x	x	x			x
Sapindaceae	<i>Dodonaea</i>	<i>viscosa</i> subsp. <i>mucronata</i>												x
Sapindaceae	<i>Exocarpos</i>	<i>aphyllus</i>										x		
Sapindaceae	<i>Stylobasium</i>	<i>spathulatum</i>								x				

Family	Genus	Species	Status	SA1	SA2	SA3	SA4	SA5	SA6	SA7	SA8	SA9	SA10	SA11
Scrophulariaceae	<i>Eremophila</i>	<i>aff. oldfieldii</i>	OS – sample submitted					x						
Scrophulariaceae	<i>Eremophila</i>	<i>cuneifolia</i>				x								
Scrophulariaceae	<i>Eremophila</i>	<i>forrestii</i>		x										
Scrophulariaceae	<i>Eremophila</i>	<i>latrobei</i>				x								
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>						x	x		x	x	x	x
Scrophulariaceae	<i>Eremophila</i>	<i>maculata</i> subsp. <i>brevifolia</i>		x					x			x		
Scrophulariaceae	<i>Eremophila</i>	<i>maitlandii</i>		x										
Scrophulariaceae	<i>Eremophila</i>	<i>miniata</i>						x	x		x			
Scrophulariaceae	<i>Eremophila</i>	<i>pterocarpa</i> subsp. <i>pterocarpa</i>			x	x	x							
Scrophulariaceae	<i>Eremophila</i>	<i>setacea</i>									x			
Scrophulariaceae	<i>Eremophila</i>	<i>tietkensisii</i>	?OS			x								
Solanaceae	<i>Nicotiana</i>	sp. (insufficient material)												x
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>						x	x	x	x	x	x	x
Solanaceae	<i>Salsola</i>	<i>australis</i>			x	x		x	x		x	x	x	x
Solanaceae	<i>Solanum</i>	<i>cleistogamum</i>		x					x					
Solanaceae	<i>Solanum</i>	<i>cleistogamum</i>						x						
Solanaceae	<i>Solanum</i>	<i>diversiflorum</i>												x
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		x	x			x	x	x	x	x	x	x
Solanaceae	<i>Solanum</i>	<i>nigrum</i>	*									x		
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		x	x	x	x	x	x		x	x	x	x
Tamaricaceae	<i>Tamarix</i>	<i>aphylla</i>	*WoNS, DP									x		
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>		x					x		x	x		x
Violaceae	<i>Hybanthus</i>	<i>aurantiacus</i>						x	x	x			x	x
Zygophyllaceae	<i>Tribulus</i>	<i>macrocarpus</i>			x				x	x	x			
Zygophyllaceae	<i>Tribulus</i>	sp. (insufficient material)			x									
Zygophyllaceae	<i>Zygophyllum</i>	<i>aurantiacum</i>						x	x					
Zygophyllaceae	<i>Tribulus</i>	<i>macrocarpus</i>						x						

* introduced species; RE – Range extension; P3 Priority 3; DP – Declared Pest; OS – Other significant

SA – Survey area

Quadrat Data

Site	Q1	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	11/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 211-211.75 Minilya-Exmouth Rd	Easting:	202921	Northing:	7566783
MGA Zone:	50	Site Type:	Q1		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure Exotic Weeds Urban Sprawl	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Good	Field Vegetation Type:	Mosaic		
Drainage:	Good drain				
Fire Frequency:	Nil	Fire Intensity:			
Surface Component:	Loose soil (60%), Litter (20%), Coarse gravel/pebbles - 20-60mm (20%)	Soil Type: Major Component:	Loam	Minor:	
Leaf Litter:	Moderate	Wood Litter:	Sparse		
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Plain				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	U1
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover	<2			<2	2-10	2-10	<2	<2
Ht range (m)	6.0			2.1-2.2	1.2-1.8	0.3-0.9	0.1-0.8	0.5-0.8
Av ht (m)	6.0			2.1	1.5	0.6	0.4	0.6

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Myrtaceae	<i>Corymbia</i>	<i>hamersleyana</i>		U1	6	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M1	2.2	<2T
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	2.1	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M2	1.8	2-10%
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>		M2	1.4	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M2	1.5	<2N
Boraginaceae	<i>Trichodesma</i>	<i>zeylanicum</i>		M2	1.5	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>		M2	1.2	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.8	<2T
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>		M3	0.8	2-10%
Fabaceae	<i>Senna</i>	<i>artemisioides</i> subsp. <i>oligophylla</i>		M3	0.4	<2T
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>		M3	0.3	<2N
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>		M3	0.6	<2T
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M3	0.5	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>		M3	0.9	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M3	0.6	<2T
Goodeniaceae	<i>Scaevola</i>	<i>tomentosa</i>		M3	0.5	<2N
Fabaceae	<i>Indigofera</i>	<i>boviperda</i>		M3	0.4	<2T
Goodeniaceae	<i>Scaevola</i>	<i>sericophylla</i>		M3	0.3	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M3	0.6	<2T
Convolvulaceae	<i>Ipomoea</i>	<i>coptica</i>		M3	-	<2T
Fabaceae	<i>Glycine</i>	<i>canescens</i>		M3	-	<2T
Apocynaceae	<i>Rhyncharhena</i>	<i>linearis</i>		M3	-	<2T
Malvaceae	<i>Corchorus</i>	<i>sidoides</i>		M3	0.3	<2T
Poaceae	<i>Triodia</i>	<i>basedowii</i>		G1	0.9	70-100%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.6	<2T
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>		G1	0.1	<2T
Campanulaceae	<i>Lobelia</i>	<i>heterophylla</i>		G2	0.6	<2N
Goodeniaceae	<i>Goodenia</i>	<i>forrestii</i>		G2	0.7	2-10%
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>		G2	0.8	<2T
Solanaceae	<i>Nicotiana</i>	sp. (insufficient material)		G2	0.5	<2T
Fabaceae	<i>Swainsona</i>	<i>formosa</i>		G2	0.6	<2T
Loranthaceae	<i>Amyema</i>	<i>preissii</i>		G2	-	<2T
Oleaceae	<i>Jasminum</i>	sp. Exmouth (G. Marsh 77)		G2	-	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		G2	0.9	<2T
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	-	<2T
Malvaceae	<i>Hibiscus</i>	<i>sturtii</i> var. <i>platychlams</i>		G2	0.4	<2T
Asteraceae	<i>Bidens</i>	<i>bipinnata</i>	*	G2	0.9	<2T
Fabaceae	<i>Indigofera</i>	<i>monophylla</i>		G2	0.8	<2T
Haloragaceae	<i>Haloragis</i>	<i>gossei</i>		G2	0.4	<2T

INCIDENTALS

Family	Genus	Species	Status
Asparagaceae	<i>Acanthocarpus</i>	<i>verticillatus</i>	
Asteraceae	<i>Podolepis</i>	<i>aristata</i> subsp. <i>aristata</i>	
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Asteraceae	<i>Sonchus</i>	<i>oleraceus</i>	*
Asteraceae	<i>Streptoglossa</i>	<i>decurrens</i>	
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>	
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>	
Campanulaceae	<i>Wahlenbergia</i>	<i>tumidifruca</i>	
Convolvulaceae	<i>Evolvulus</i>	<i>alsinoides</i> var. <i>villosicalyx</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>drummondii</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Acacia</i>	<i>pyrifolia</i>	
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>	
Fabaceae	<i>Acacia</i>	<i>arida</i>	
Geraniaceae	<i>Erodium</i>	<i>cygnorum</i>	
Malvaceae	<i>Gossypium</i>	<i>robinsonii</i>	
Poaceae	<i>Aristida</i>	<i>contorta</i>	
Poaceae	<i>Chloris</i>	<i>barbata</i>	*
Poaceae	<i>Eulalia</i>	<i>aurea</i>	
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>	
Solanaceae	<i>Salsola</i>	<i>australis</i>	
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>	
Violaceae	<i>Hybanthus</i>	<i>aurantiacus</i>	

Site	Q2	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	11/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 202-204 Minilya-Exmouth Road	Easting:	201610	Northing:	7559839
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Clearing Infrastructure Exotic Weeds	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Yes - Most trees killed		
Veg Condition:	Degraded	Field Vegetation Type:	Mixed Scrub		
Drainage:	Good drain				
Fire Frequency:	Nil	Fire Intensity:			
Surface Component:	Loose soil (10%), Litter (80%), Medium gravel/pebbles - 6-20mm (10%)	Soil Type: Major Component:	Loam	Minor:	
Leaf Litter:	Moderate	Wood Litter:	Sparse		
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Plain				

GROWTH FORM TABLE:


Tree >10 m		Tree 2-10 m		
Tree <2 m		Tree Mallee		
Palm		Shrub >2 m	M1	
Shrub 1-2 m	M2	Shrub <1 m	M3	
Cycads		Tussock Grass	G1	
Hummock Grass	G1	Sedge		
Vine		Herbs	G2	
Other		Mallee Shrub		
Heath Shrub		Samphire Shrub		
Chenopod		Rush		
Grass Tree		Other		
STRATUM	U1	U2	U3	G2
% cover				<2
Ht range (m)				0.05-0.8
Av ht (m)				0.3

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	3.5	2-10%
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M2	1.3	<2T
Boraginaceae	<i>Trichodesma</i>	<i>zeylanicum</i>		M2	1.6	<2T
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M2	1.1	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>priessii</i> subsp. <i>obovata</i>		M2	1.4	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>		M2	1.9	<2T
Solanaceae	<i>Salsola</i>	<i>australis</i>		M3	0.5	<2N
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M3	0.8	<2N
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M3	0.8	<2T
Pittosporaceae	<i>Pittosporum</i>	<i>angustifolium</i>		M3	0.3	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>		M3	0.7	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M3	0.4	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M3	0.4	<2T
Malvaceae	<i>Hibiscus</i>	<i>sturtii</i> var. <i>platyklamys</i>		M3	0.8	<2T
Fabaceae	<i>Indigofera</i>	<i>monophylla</i>		M3	0.4	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1.1	70-100%

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Poaceae	<i>Triodia</i>	<i>basedowii</i>		G1	1.2	10-30%
Goodeniaceae	<i>Goodenia</i>	<i>forrestii</i>		G2	0.8	<2T
Apocynaceae	<i>Rhyncharrhena</i>	<i>linearis</i>		G2	climb	2-10%
Cucurbitaceae	<i>Momordica</i>	<i>balsamma</i>	*	G2	0.8	<2T
Fabaceae	<i>Glycine</i>	<i>canescens</i>		G2	climb	<2T
Apocynaceae	<i>Cynanchum</i>	<i>floribundum</i>		G2	climb	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>		G2	climb	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	climb	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>	
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Asteraceae	<i>Brachyscome</i>	<i>oncocarpa</i>	
Asteraceae	<i>Calotis</i>	<i>plumulifera</i>	
Asteraceae	<i>Flaveria</i>	<i>trinervia</i>	*
Asteraceae	<i>Streptoglossa</i>	<i>decurrens</i>	
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>	
Loranthaceae	<i>Amyema</i>	<i>preissii</i>	
Malvaceae	<i>Abutilon</i>	<i>lepidum</i>	
Malvaceae	<i>Corchorus</i>	<i>sidoides</i>	
Malvaceae	<i>Gossypium</i>	<i>robinsonii</i>	
Malvaceae	<i>Sida</i>	<i>rohlena</i>	
Plantaginaceae	<i>Stemodia</i>	<i>sp. Onslow (A.A. Mitchell 76/148)</i>	

Site	Q3	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	11/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 183-192 Minilya-Exmouth Road	Easting:	200254	Northing:	7540593
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good	Field Vegetation Type:	Frankenia Flats		
Drainage:	Seasonal Wet				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (90%) Litter (10%)	Soil Type:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Swamp/ Plain				

GROWTH FORM TABLE:


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m								
Tree <2 m								
Palm								
Shrub 1-2 m								
Cycads								
Hummock Grass		G1						
Vine							G2	
Other								
Heath Shrub		M1						
Chenopod								
Grass Tree								
Tree 2-10 m								
Tree Mallee								
Shrub >2 m								
Shrub <1 m								
Tussock Grass							G1	
Sedge								
Herbs								G2
Mallee Shrub								
Samphire Shrub								
Rush								
Other								

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Frankeniaceae	<i>Frankenia</i>	<i>pauciflora</i>		M1	0.5	30-70%
Plumbaginaceae	<i>Muellerolimon</i>	<i>salicorniaceum</i>		M1	0.3	2-10%
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>		M1	0.05	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	0.8	<2N
Poaceae	<i>Triodia</i>	<i>pungens</i>		G1	0.6	2-10%
Poaceae	<i>Eragrostis</i>	<i>falcata</i>		G1	0.5	<2N
Poaceae	<i>Sporobolus</i>	<i>virginicus</i>		G1	0.3	2-10%
Asteraceae	<i>Angianthus</i>	<i>milnei</i>		G2	0.3	<2N
Chenopodiaceae	<i>Dysphania</i>	<i>plantaginella</i>		G2	0.1	<2N
Gentianaceae	<i>Schenkia</i>	<i>australis</i>		G2	0.1	<2N
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.4	<2N
Asteraceae	<i>Pluchea</i>	<i>dentex</i>		G2	0.2	<2N

INCIDENTALS

Family	Genus	Species	Status
Asteraceae	<i>Angianthus</i>	<i>milnei</i>	
Asteraceae	<i>Centipeda</i>	<i>minima subsp. macrocephala</i>	
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	

Family	Genus	Species	Status
Asteraceae	<i>Sonchus</i>	<i>oleraceus</i>	*
Boraginaceae	<i>Heliotropium</i>	<i>curassavicum</i>	
Chenopodiaceae	<i>Tecticornia</i>	<i>pruinosa</i>	
Chenopodiaceae	<i>Dysphania</i>	<i>melanocarpa</i>	
Chenopodiaceae	<i>Rhagodia</i>	<i>priessii subsp. obovata</i>	
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>	
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>	
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Goodeniaceae	<i>Scaevola</i>	<i>spinescens</i>	
Loganiaceae	<i>Logania</i>	<i>litoralis</i>	
Malvaceae	<i>Lawrencia</i>	<i>viridigrisea</i>	
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*
Poaceae	<i>Triodia</i>	<i>basedowii</i>	
Solanaceae	<i>Salsola</i>	<i>australis</i>	

Site	Q4	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	12/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 183-192 Minilya-Exmouth Road	Easting:	200325	Northing:	7541327
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure Exotic Weeds Animal	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Pebbly Dune		
Drainage:	Good				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (50%), Litter (5%), Medium gravel/pebble 6-20mm (20%) Coarse gravel/pebbles 20-60mm (25%)	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:			
Soil Colour:	Red Orange Pale	Slope (if present):	Negligible		
Landform:	Slope- Middle (Dune)				


GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m						
Tree <2 m		Tree Mallee						
Palm		Shrub >2 m	M1					
Shrub 1-2 m	M2	Shrub <1 m	M3					
Cycads		Tussock Grass	G1					
Hummock Grass	G1	Sedge						
Vine		Herbs						
Other		Mallee Shrub						
Heath Shrub		Samphire Shrub						
Chenopod		Rush						
Grass Tree		Other						
STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				10-30	<2	<2	30-70	<2
Ht range (m)				2.5-4	1.1-1.9	0.1-0.9	0.2-1.0	0.5
Av ht (m)				3.1	1.5	0.4	0.5	0.5

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M1	2.5	2-10%
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	3	2-10%
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	4.5	2-10%
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M2	1.1	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>baccata</i>		M2	1.9	<2T
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*	M3	0.9	<2N
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M3	0.3	<2T
Malvaceae	<i>Corchorus</i>	<i>congener</i>	P3	M3	0.3	<2T
Fabaceae	<i>Indigofera</i>	<i>linnaei</i>		M3	0.1	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.3	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M3	0.5	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.8	30-70%
Poaceae	<i>Triodia</i>	<i>pungens</i>		G1	1	30-70%
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	<2T
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	0.5	<2T

INCIDENTALS			
Family	Genus	Species	Status
Asteraceae	<i>Angianthus</i>	<i>milnei</i>	
Asteraceae	<i>Centipeda</i>	<i>minima subsp. macrocephala</i>	
Asteraceae	<i>Lactuca</i>	<i>serriola</i>	*RE 300 km N
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Chenopodiaceae	<i>Chenopodium</i>	<i>murale</i>	*
Convolvulaceae	<i>Polymeria</i>	<i>ambigua</i>	
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>	
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>	
Malvaceae	<i>Abutilon</i>	<i>oxycarpum</i>	
Myrtaceae	<i>Eucalyptus</i>	<i>camaldulensis subsp. obtusa</i>	+
Poaceae	<i>Spinifex</i>	<i>longifolius</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>	
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>	
Tamaricaceae	<i>Tamarix</i>	<i>aphylla</i>	*WoNS, DP

INCIDENTALS			
Family	Genus	Species	Status
Asteraceae	<i>Sigesbeckia</i>	<i>orientalis</i>	*
Asteraceae	<i>Lactuca</i>	<i>serriola</i>	*RE 300 km N
Plantaginaceae	<i>Stemodia</i>	<i>sp. Onslow (A.A. Mitchell 76/148)</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>maculata subsp. brevifolia</i>	

Site	Q6	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	12/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 183-192 Minilya-Exmouth Road	Easting:	198740	Northing:	7544285
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Flood Animal	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Mosaic		
Drainage:	Plain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (60%), Litter (20%), Medium gravel/pebble 6-20mm (10%) Coarse gravel/pebbles 20-60mm (10%)	Soil Type: Major Component:	Sand	Minor:	Loamy
Leaf Litter:	Negligible	Wood Litter:			
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Plain/Swamp				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				30-70			<2	<2
Ht range (m)				0.1-0.4			0.05-0.9	0.1-0.4
Av ht (m)				0.2			0.3	0.2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	3.5	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	2.5	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M1	2.2	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M2	1.8	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.4	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M2	1.3	<2T
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		M2	1.3	<2T
Goodeniaceae	<i>Scaevola</i>	<i>spinescens</i>		M2	1.2	<2T
Lamiaceae	<i>Clerodendrum</i>	<i>tomentosum var. lanceolatum</i>		M2	1.1	<2T
Asteraceae	<i>Pluchea</i>	<i>dentex</i>		M3	0.8	10-30%
Asteraceae	<i>Streptoglossa</i>	<i>decurrens</i>		M3	0.2	<2N
Frankeniaceae	<i>Frankenia</i>	<i>pauciflora</i>		M3	0.2	<2T
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>		M3	0.45	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M3	0.8	<2T
Plantaginaceae	<i>Stemodia</i>	<i>sp. Onslow (A.A. Mitchell 76/148)</i>		M3	0.2	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1.2	10-30%
Poaceae	<i>Triodia</i>	<i>pungens</i>		G1	1	10-30%

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Asteraceae	<i>Sigesbeckia</i>	<i>orientalis</i>	*	G2	0.8	<2t
Asteraceae	<i>Pluchea</i>	<i>dentex</i>		G2	0.1	10-30%
Asteraceae	<i>Centipeda</i>	<i>minima subsp. macrocephala</i>		G2	0.1	<2N
Geraniaceae	<i>Schenkia</i>	<i>australis</i>		G2	0.1	<2N
Asteraceae	<i>Sonchus</i>	<i>oleraceus</i>	*	G2	0.1	<2T
Asteraceae	<i>Bidens</i>	<i>bipinnata</i>	*	G2	0.6	<2T
Convolvulaceae	<i>Operculina</i>	<i>aequisepala</i>		G2	-	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.2	<2T

INCIDENTALS			
Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>	
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>	
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>	
Malvaceae	<i>Malvastrum</i>	<i>americanum</i>	*
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>	
Sapindaceae	<i>Exocarpos</i>	<i>aphyllus</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>maculata subsp. brevifolia</i>	
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>	

Site	Q7	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	12/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 183-192 Minilya-Exmouth Road	Easting:	198718	Northing:	7545470
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Flood Animals Cyclone	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Mosaic		
Drainage:	Plain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (70%), Litter (20%), Medium gravel/pebble 6-20mm (10%)	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:			
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Plain/Swamp				

GROWTH FORM TABLE:


Tree >10 m	Tree <2 m	Palm	Shrub 1-2 m	Cycads	Hummock Grass	Vine	Other	Heath Shrub	Chenopod	Grass Tree	Tree 2-10 m	Tree Mallee	Shrub >2 m	Shrub <1 m	Tussock Grass	Sedge	Herbs	Mallee Shrub	Samphire Shrub	Rush	Other
			M2										M1	M3	G1						
STRATUM	U1	U2	U3	M1	M2	M3	G1	G2													
% cover				<2	<2	<2	70-100														
Ht range (m)				4	1.1-1.9	0.6-0.9	1.0														
Av ht (m)				4	1.4	0.7	1.0														

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	4	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.9	<2T
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M2	1.3	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M2	1.1	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>priessii subsp. obovata</i>		M2	1.2	<2T
Capparaceae	<i>Capparis</i>	<i>lasiantha</i>		M3	0.6	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>		M3	0.9	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1	70-100%

INCIDENTALS

Family	Genus	Species	Status
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>	
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>drummondii</i>	
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>	
Fabaceae	<i>Acacia</i>	<i>pyrifolia</i>	
Malvaceae	<i>Sida</i>	<i>sp. (insufficient material)</i>	

Family	Genus	Species	Status
Malvaceae	<i>Sida</i>	<i>fibulifera</i>	
Malvaceae	<i>Gossypium</i>	<i>robinsonii</i>	
Myrtaceae	<i>Eucalyptus</i>	<i>xerothermica</i>	
Plantaginaceae	<i>Stemodia</i>	<i>sp. Onslow (A.A. Mitchell 76/148)</i>	
Poaceae	<i>Triodia</i>	<i>pungens</i>	
Poaceae	<i>Cynodon</i>	<i>dactylon</i>	*
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>	

Site	Q8	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	12/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 183-192 Minilya-Exmouth Road	Easting:	198690	Northing:	7547480
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure Exotic Weeds Flood	Frequency:	Current disturbance Few recent 1-10yr		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good	Field Vegetation Type:	Mosaic		
Drainage:	Poor Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (80%), Litter (10%), Medium gravel/pebble 6-20mm (10%)	Soil Type: Major Component:	Sand	Minor:	Loamy
Leaf Litter:	Negligible	Wood Litter:			
Soil Colour:	Red Orange	Slope (if present):	Negligible		
Landform:	Plain				

GROWTH FORM TABLE:


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m				<2	10-30	<2	70-100	<2
Tree <2 m				2.1-4.0	1.2-1.8	0.3-0.8	0.8-1.3	0.05-0.7
Palm				3.0	1.4	0.5	1.1	0.2
Shrub 1-2 m	M2							
Cycads								
Hummock Grass	G1							
Vine								
Other								
Heath Shrub								
Chenopod								
Grass Tree								

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	Acacia	synchronica		M1	4	<2T
Santalaceae	Santalatum	lanceolatum		M1	2.8	<2T
Fabaceae	Acacia	tetragonophylla		M1	2.1	<2T
Fabaceae	Acacia	tetragonophylla		M2	1.8	10-30%
Sapindaceae	Alectryon	oleifolius		M2	1.8	<2T
Goodeniaceae	Scaevola	tomentosa		M2	1.8	<2T
Chenopodiaceae	Rhagodia	preissii subsp. obovata		M2	1.2	<2T
Fabaceae	Senna	artemisioides subsp. oligophylla		M2	1.1	<2T
Surianaceae	Stylobasium	spathulatum		M2	1.8	<2T
Solanaceae	Solanum	lasiophyllum		M3	0.6	<2T
Brassicaceae	Lepidium	platypetalum		M3	0.8	<2T
Santalaceae	Santalatum	lanceolatum		M3	0.4	2-10%
Surianaceae	Stylobasium	spathulatum		M3	0.4	70-100%
Scrophulariaceae	Eremophila	longifolia		M3	0.7	<2T
Malvaceae	Hibiscus	sturtii var. platyklamys		M3	0.4	<2T
Fabaceae	Indigofera	boviparda		M3	0.8	<2T
Malvaceae	Sida	fibulifera		M3	0.4	<2T
Poaceae	Cenchrus	ciliaris	*	G1	0.8	<2T
Poaceae	Triodia	pungens		G1	1.3	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	-	<2T
Goodeniaceae	<i>Scaevola</i>	<i>parvifolia subsp. parvifolia</i>		G2	0.7	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>	
Fabaceae	<i>Swainsona</i>	<i>formosa</i>	

Site	Q9	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	13/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 130-135 Minilya-Exmouth Road	Easting:	193540	Northing:	7493134
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good to Excellent	Field Vegetation Type:	Dune		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 90%), Litter (10%), Medium gravel/pebbles 6-20mm (10%)	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Negligible		
Landform:	Upper Slope - Dune				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m	M1	Shrub <1 m	M2
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10	<2		10-30	<2
Ht range (m)				1.1-1.5	0.2-0.9		0.3-1.2	0.05-0.2
Av ht (m)				1.2	0.5		0.8	0.1

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	1.5	<2T
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M1	1.2	<2T
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M1	1.2	<2T
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>		M1	1.2	2-10%
Lamiaceae	<i>Quoya</i>	<i>loxocarpa</i>		M1	1.1	<2T
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M1	1.2	<2T
Malvaceae	<i>Corchorus</i>	<i>congener</i>	P3	M2	0.5	<2T
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M2	0.8	<2N
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>		M2	0.9	<2T
Fabaceae	<i>Senna</i>	<i>artemisioides subsp. oligophylla</i>		M2	0.5	<2T
Goodeniaceae	<i>Scaevola</i>	<i>pulchella</i>		M2	0.8	<2T
Malvaceae	<i>Alogyne</i>	<i>hakeifolia</i>		M2	0.6	<2T
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M2	0.2	<2T
Poaceae	<i>Triodia</i>	<i>schinzii</i>		G1	1.2	10-30%
Poaceae	<i>Triodia</i>	<i>basedowii</i>		G1	1	10-30%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.4	2-10%
Poaceae	<i>Eriachne</i>	<i>helmsii</i>		G1	0.6	<2N
Poaceae	<i>Aristida</i>	<i>holathera</i>		G1	0.3	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>myrtoides</i>		G2	0.2	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>		G2	0.2	<2T
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	climb	<2T

INCIDENTALS

Family	Genus	Species	Status
Fabaceae	<i>Labichea</i>	<i>cassioides</i>	
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>	
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>	
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>	
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>	
Malvaceae	<i>Abutilon</i>	<i>fraseri</i>	
Chenopodiaceae	<i>Dysphania</i>	<i>melanocarpa</i>	
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>	
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>	
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>	
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>	
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>	
Campanulaceae	<i>Lobelia</i>	<i>heterophylla</i>	
Fabaceae	<i>Indigofera</i>	<i>boviparda</i>	
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>	

Site	Q10	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	13/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 130-135 Minilya-Exmouth Road	Easting:	194241	Northing:	7494333
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good to Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 90%), Litter (10%),	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Steep (East-West)		
Landform:	Plain				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2	<2	<2	30-70	<2
Ht range (m)				3	1.1-1.6	0.5-0.9	0.7-1.1	0.1-0.4
Av ht (m)				3	1.4	0.7	0.9	0.2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M1	3	<2T
Fabaceae	<i>Acacia</i>	<i>spathulifolia</i>		M2	1.2	<2T
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>		M2	1.2	<2N
Proteaceae	<i>Hakea</i>	<i>stenophylla</i>		M2	1.1	<2T
Gyrostemonaceae	<i>Gyrostemon</i>	<i>ramulosus</i>		M2	1.1	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M2	1.2	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M2	1.2	<2T
Fabaceae	<i>Senna</i>	<i>artemisioides subsp. oligophylla</i>		M3	0.9	<2T
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>		M3	0.9	<2T
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>		M3	0.9	<2T
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>		M3	0.5	<2T
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M3	0.9	<2T
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>		M3	0.4	<2T
Goodeniaceae	<i>Scaevola</i>	<i>parvifolia subsp. parvifolia</i>		M3	0.9	<2T
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M3	0.3	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M3	0.4	<2T
Fabaceae	<i>Indigofera</i>	<i>boviparda</i>		M3	0.4	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.4	<2T
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>		M3	0.3	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>spathulifolia</i>		M3	0.9	<2T
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	1.1	30-70%
Poaceae	<i>Triodia</i>	<i>schinzii</i>		G1	1.1	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.7	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>		G2	0.2	<2T
Campanulaceae	<i>Lobelia</i>	<i>heterophylla</i>		G2	0.3	<2N
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.1	<2T
Asteraceae	<i>Podolepis</i>	<i>aristata subsp. aristata</i>		G2	0.4	<2T
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>		G2	0.5	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>axillaris</i>	
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Asteraceae	<i>Streptoglossa</i>	<i>decurrens</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>	
Fabaceae	<i>Acacia</i>	<i>gregorii</i>	
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>	
Goodeniaceae	<i>Scaevola</i>	<i>cunninghamii</i>	
Lamiaceae	<i>Quoya</i>	<i>loxocarpa</i>	
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>	
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>	
Poaceae	<i>Eriachne</i>	<i>helmsii</i>	
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>	
Proteaceae	<i>Grevillea</i>	<i>gordoniana</i>	

Site	Q11	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	13/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 130-135 Minilya-Exmouth Road	Easting:	192787	Northing:	7490506
MGA Zone:	50	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good to Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (80%), Litter (10%), Fine rocks - 2-6mm (10%)	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Gentle - East		
Landform:	Slope-lower, Swale, Plain				
Location:	SLK 130-135 Minilya-Exmouth Road	Easting:	194241	Northing:	7494333

GROWTH FORM TABLE:


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m								
Tree <2 m								
Palm								
Shrub 1-2 m		M1					M2	
Cycads							G1	
Hummock Grass		G1						
Vine							G2	
Other								
Heath Shrub								
Chenopod								
Grass Tree								
% cover				<2	<2		70-100	10-30
Ht range (m)				1.1-1.5	0.3-0.8		1.0-1.2	0.1-0.6
Av ht (m)				1.3	1.4		1.1	0.3

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Scrophulariaceae	<i>Eremophila</i>	<i>miniata</i>		M1	1.5	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M1	1.1	<2T
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		M2	0.9	<2T
Fabaceae	<i>Senna</i>	<i>artemisioides subsp. oligophylla</i>		M2	0.6	<2T
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M2	0.7	2-10%
Fabaceae	<i>Acacia</i>	<i>gregorii</i>		M2	0.7	2-10%
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>		M2	0.5	2-10%
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>		M2	0.3	<2T
Malvaceae	<i>Hannafordia</i>	<i>quadriovalvis subsp. recurva</i>		M2	0.4	<2N
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>		M2	0.3	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M2	0.5	<2T
Sapindaceae	<i>Diplopeltis</i>	<i>eriocarpa</i>		M2	0.5	2-10%
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>		M2	0.5	<2T
Goodeniaceae	<i>Scaevola</i>	<i>cunninghamii</i>		M2	0.5	<2T
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	1	70-100%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1	<2T
Poaceae	<i>Triodia</i>	<i>schinzii</i>		G1	1.2	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.6	10-30%

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>		G2	0.5	<2T
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>		G2	0.1	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>axillaris</i>		G2	0.1	<2T
Zygophyllaceae	<i>Tribulus</i>	<i>macrocarpus</i>		G2	0.2	<2T
Asteraceae	<i>Podolepis</i>	<i>aristata subsp. aristata</i>		G2	0.4	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.5	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>		G2	0.1	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>	
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>	
Euphorbiaceae	<i>Rhynchosia</i>	<i>tomentosa</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>tannensis</i>	
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Swainsona</i>	<i>pterostylis</i>	
Malvaceae	<i>Alyogyne</i>	<i>pinoniana</i>	
Malvaceae	<i>Hibiscus</i>	<i>sturtii var. platyklamys</i>	
Poaceae	<i>Eriachne</i>	<i>helmsii</i>	
Poaceae	<i>Chrysopogon</i>	<i>fallax</i>	
Proteaceae	<i>Hakea</i>	<i>stenophylla</i>	

Site	Q12	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	15/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 128.5 Minilya-Exmouth Road	Easting:	805902	Northing:	7486705
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Calcareous Shield		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (15%), Litter (5%), Medium gravel/pebbles - 6-20mm (20%) Surface plates/boulders->600mm (60%)	Soil Type: Major Component:	Rock	Minor:	Sandy
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Moderate - south and east		
Landform:	Breakaway, Hill crest, Ridge				


GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	U1
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m		Shrub <1 m	M1
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover	<2			<2			10-30	<2
Ht range (m)	3.5			0.3-1.0			0.2-0.8	0.05-0.1
Av ht (m)	3.5			0.7			0.5	0.08

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Moraceae	<i>Ficus</i>	<i>brachypoda</i>		U1	3.5	<2
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*	M1	1	2-10
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M1	0.3	2-10
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M1	0.2	2-10
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	2-10
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.5	10-30
Poaceae	<i>Triodia</i>	<i>pungens</i>		G1	0.8	2-10
Amaranthaceae	<i>Ptilotus</i>	<i>gomphrenoides</i>		G2	0.05	<2
Portulacaceae	<i>Portulaca</i>	<i>oleracea</i>		G2	0.05	<2
Cucurbitaceae	<i>Citrullus</i>	<i>lanatus</i>	*	G2	0.1	<2
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>		G2	0.1	<2

INCIDENTALS			
Family	Genus	Species	Status
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>	
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>	
Cyperaceae	<i>Bulbostylis</i>	<i>barbata</i>	
Euphorbiaceae	<i>Beyeria</i>	<i>cinerea subsp. borealis</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Daviesia</i>	<i>benthamii subsp. benthamii</i>	
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>	
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>	
Hemerocallidaceae	<i>Tricoryne</i>	<i>corynothecoides</i>	
Lamiaceae	<i>Clerodendrum</i>	<i>tomentosum</i>	
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>	
Phyllanthaceae	<i>Sauropus</i>	<i>lissocarpus</i>	
Poaceae	<i>Eriachne</i>	<i>helmsii</i>	
Poaceae	<i>Aristida</i>	<i>holathera</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	

Site	Q13	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	15/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 128.5 Minilya-Exmouth Road	Easting:	806689	Northing:	7486115
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good to Excellent	Field Vegetation Type:	Dune		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 90%), Litter (10%),	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Moderate - East and West		
Landform:	Upper Slope - Dune				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m	M1	Shrub <1 m	M2
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10	2-10		2-10	<2
Ht range (m)				1.1-1.3	0.4-0.9		0.1-1.1	0.05-0.4
Av ht (m)				1.2	0.7		0.6	0.1

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Lamiaceae	<i>Quoya</i>	<i>loxocarpa</i>		M1	1.3	2-10%
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M1	1.1	<2N
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>		M1	1.2	<2N
Lamiaceae	<i>Quoya</i>	<i>loxocarpa</i>		M2	0.9	2-10%
Myrtaceae	<i>Pileanthus</i>	<i>septentrionalis</i>		M2	0.7	2-10%
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M2	0.5	<2T
Malvaceae	<i>Abutilon</i>	<i>otocarpum</i>		M2	0.9	<2N
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>		M2	0.8	2-10%
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M2	0.4	<2N
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M2	0.6	<2T
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M2	0.5	<2T
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>		G1	0.1	<2T
Poaceae	<i>Eriachne</i>	<i>helmsii</i>		G1	1	<2T
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	1.1	2-10%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.5	2-10%

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Poaceae	<i>Aristida</i>	<i>contorta</i>		G1	0.5	<2T
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	0.3	<2T
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	-	<2T
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>		G2	0.4	<2T

INCIDENTALS

Family	Genus	Species	Status
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>	
Cucurbitaceae	<i>Citrullus</i>	<i>lanatus</i>	
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>	
Fabaceae	<i>Acacia</i>	<i>gregorii</i>	
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>	
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>	
Malvaceae	<i>Alyogyne</i>	<i>pinoniana</i>	
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>	
Poaceae	<i>Eragrostis</i>	<i>eriopoda</i>	
Zygophyllaceae	<i>Tribulus</i>	<i>macrocarpus</i>	


Site	Q14	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	15/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 128.5 Minilya-Exmouth Road	Easting:	807493	Northing:	7489050
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 90%), Litter (10%),	Soil Type:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Negligible		
Landform:	Swale/Plain				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m						
Tree <2 m		Tree Mallee						
Palm		Shrub >2 m						
Shrub 1-2 m		Shrub <1 m	M1					
Cycads		Tussock Grass						
Hummock Grass	G1	Sedge						
Vine		Herbs	G2					
Other		Mallee Shrub						
Heath Shrub		Samphire Shrub						
Chenopod		Rush						
Grass Tree		Other						
STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2			70-100	<2
Ht range (m)				0.2			0.4-1.0	0.2-1.0
Av ht (m)				0.2			0.7	0.6

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*	M1	0.2	<2T
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	1	70-100%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.4	<2T
Asteraceae	<i>Podolepis</i>	<i>aristata subsp. aristata</i>		G2	0.4	<2T
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	1	<2T
Fabaceae	<i>Indigofera</i>	<i>colutea</i>		G2	0.2	<2T

INCIDENTALS			
Family	Genus	Species	Status
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>	
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>	
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>	
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>	
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>	
Poaceae	<i>Triodia</i>	<i>angusta</i>	
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*
Poaceae	<i>Triodia</i>	<i>schinzii</i>	
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>	

Site	Q15	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	16/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 118 Minilya-Exmouth Road	Easting:	803779	Northing:	7480434
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 90%), Litter (10%),	Soil Type:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Negligible		
Landform:	Swale/Plain				


GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m		Shrub <1 m	M1
Cycads		Tussock Grass	
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2			70-100	<2
Ht range (m)				0.2-0.9			0.4-1.0	0.1-0.5
Av ht (m)				0.5			0.7	0.3

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M1	0.9	<2T
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>		M1	0.9	<2T
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>		M1	0.6	<2T
Fabaceae	<i>Acacia</i>	<i>gregorii</i>		M1	0.3	<2T
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>		M1	0.2	<2T
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>		M1	0.3	<2T
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	1	70-100%
Poaceae	<i>Themeda</i>	<i>triandra</i>		G1	1	<2N
Poaceae	<i>Eriachne</i>	<i>helmsii</i>		G1	0.6	<2N
Poaceae	<i>Chrysopogon</i>	<i>fallax</i>		G1	0.9	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.4	<2N
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>		G2	0.1	<2T
Fabaceae	<i>Indigofera</i>	<i>brevidens</i>		G2	0.5	<2N
Hemerocallidaceae	<i>Tricoryne</i>	<i>corynothecoides</i>		G2	0.5	<2N
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	0.2	<2T
Asteraceae	<i>Podolepis</i>	<i>aristata subsp. aristata</i>		G2	0.4	<2T

INCIDENTALS			
Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>	
Asparagaceae	<i>Acanthocarpus</i>	<i>verticillatus</i>	
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>	
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>	
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>	
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>	
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>	
Hemerocallidaceae	<i>Dianella</i>	<i>revoluta</i>	
Malvaceae	<i>Abutilon</i>	<i>otocarpum</i>	
Malvaceae	<i>Adriana</i>	<i>tomentosa</i>	
Malvaceae	<i>Sida</i>	<i>fibulifera</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>miniata</i>	
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>	

Site	Q16	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	16/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 118 Minilya-Exmouth Road	Easting:	802691	Northing:	7481012
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Calcareous Shield		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (20%), Litter (5%), Medium gravel/pebbles - 6-20mm (10%) Surface plates/boulders >600mm (65%)	Soil Type: Major Component:	Rock	Minor:	Sandy
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Moderate - east		
Landform:	Breakaway, Hill crest, Ridge				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m		Shrub <1 m	M1
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2			2-10	<2
Ht range (m)				0.2-0.3			0.2-0.4	0.1-0.3
Av ht (m)				0.25			0.3	0.2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	0.2	<2
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M1	0.3	<2
Malvaceae	<i>Hibiscus</i>	<i>coatesii</i>		M1	0.3	<2
Violaceae	<i>Hybanthus</i>	<i>aurantiacus</i>		M1	0.2	<2
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>		M1	0.3	<2
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M1	0.3	<2
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M1	0.2	<2
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	2-10
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.4	2-10
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.4	2-10
Amaranthaceae	<i>Ptilotus</i>	<i>gomphrenoides</i>		G2	0.1	2-10
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>		G2	0.1	<2
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.2	<2
Portulacaceae	<i>Calandrinia</i>	<i>remota</i>		G2	0.3	<2
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.3	<2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Gentianaceae	<i>Schenkia</i>	<i>australis</i>		G2	0.15	<2
Portulacaceae	<i>Portulaca</i>	<i>oleracea</i>		G2	0.2	<2

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>	
Asteraceae	<i>Angianthus</i>	<i>milnei</i>	
Asteraceae	<i>Pterocaulon</i>	<i>sphacelatum</i>	
Asteraceae	<i>Gnephosis</i>	<i>arachnoidea</i>	
Chenopodiaceae	<i>Scaevola</i>	<i>tomentosa</i>	
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii subsp. obovata</i>	
Convolvulaceae	<i>Evolvulus</i>	<i>alsinoides var. villosicalyx</i>	
Cyperaceae	<i>Bulbostylis</i>	<i>barbata</i>	
Fabaceae	<i>Acacia</i>	<i>coriacea</i>	
Fabaceae	<i>Indigofera</i>	<i>boviperda</i>	
Moraceae	<i>Ficus</i>	<i>brachypoda</i>	

Site	Q17	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	16/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 118 Minilya-Exmouth Road	Easting:	802697	Northing:	7478580
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (80%), (15%), gravel/pebbles (5%)	Litter Medium Soil Type: Major Component:	S a n d	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Negligible-gentle (west)		
Landform:	Swale/Plain				

GROWTH FORM TABLE:

Tree >10 m	Tree <2 m	Palm	Shrub 1-2 m	Cycads	Hummock Grass	Vine	Other	Heath Shrub	Chenopod	Grass Tree	Tree 2-10 m	Tree Mallee	Shrub >2 m	Shrub <1 m	Tussock Grass	Sedge	Herbs	Mallee Shrub	Samphire Shrub	Rush	Other
					G1									M1	G1		G2				


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10			10-30	2-10
Ht range (m)				0.1-0.7			0.4-0.8	0.1-0.7
Av ht (m)				0.4			0.6	0.4

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Goodeniaceae	Dampiera	incana		M1	0.4	2-10%
Fabaceae	Isotropis	atropurpurea		M1	0.4	2-10%
Goodeniaceae	Scaevola	cunninghamii		M1	0.7	<2N
Fabaceae	Acacia	gregorii		M1	0.4	<2N
Goodeniaceae	Scaevola	parvifolia subsp. parvifolia		M1	0.3	<2T
Asparagaceae	Acanthocarpus	humilis		M1	0.2	<2T
Myrtaceae	Thryptomene	dampieri		M1	0.3	<2T
Fabaceae	Indigofera	boviperda		M1	0.1	<2T
Boraginaceae	Heliotropium	crispatum		M1	0.3	<2N
Asparagaceae	Acanthocarpus	verticillatus		M1	0.1	<2T
Malvaceae	Alogyne	pinoniana		M1	0.7	<2T
Malvaceae	Hannafordia	quadri-valvis subsp. recurva		M1	0.5	<2T
Solanaceae	Salsola	australis		M1	0.7	<2T
Poaceae	Triodia	angusta		G1	0.8	10-30%
Poaceae	Eriachne	helmsii		G1	0.8	2-10%
Poaceae	Aristida	holathera var. holathera		G1	0.8	<2T
Poaceae	Paraneurachne	muelleri		G1	0.4	2-10%
Hemerocallidaceae	Tricoryne	corynothecoides		G2	0.3	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.2	<2T
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>axillaris</i>		G2	0.1	2-10%
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	0.2	<2T
Orobanchaceae	<i>Striga</i>	<i>curviflora</i>		G2	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>		G2	0.6	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.7	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>		G2	0.1	<2T

INCIDENTALS

Family	Genus	Species	Status
Asteraceae	<i>Podolepis</i>	<i>aristata subsp. aristata</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>	
Campanulaceae	<i>Lobelia</i>	<i>gibbosa</i>	RE 630 km
Colchicaceae	<i>Wurmbea</i>	<i>odorata</i>	
Euphorbiaceae	<i>Beyeria</i>	<i>cinerea subsp. borealis</i>	
Fabaceae	<i>Daviesia</i>	<i>benthamii subsp. benthamii</i>	
Fabaceae	<i>Indigofera</i>	<i>monophylla</i>	
Fabaceae	<i>Acacia</i>	<i>spathulifolia</i>	
Goodeniaceae	<i>Scaevola</i>	<i>sericophylla</i>	
Lamiaceae	<i>Salvia</i>	<i>verbenaca</i>	*RE 650 km N
Malvaceae	<i>Corchorus</i>	<i>sidoides</i>	
Myrtaceae	<i>Melaleuca</i>	<i>cardiophylla</i>	
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>	
Poaceae	<i>Eragrostis</i>	<i>eriopoda</i>	
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>	
Sapindaceae	<i>Diplopeltis</i>	<i>eriocarpa</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>	
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>	

Site	Q18	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	17/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 116 Minilya-Exmouth Road	Easting:	801098	Northing:	7478389
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good to Excellent	Field Vegetation Type:	Dune		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (95%), Litter (5%),	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red	Slope (if present):	Moderate - North-south		
Landform:	Upper Slope - Dune				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m	M1	Shrub <1 m	M2
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2	2-10		2-10	2-10
Ht range (m)				1.2-1.4	0.2-0.9		0.4-0.6	0.1-0.7
Av ht (m)				1.3	0.4		0.5	0.4

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Euphorbiaceae	<i>Adriana</i>	<i>tomentosa</i> var. <i>tomentosa</i>		M1	1.2	<2T
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M1	1.4	<2T
Malvaceae	<i>Sida</i>	<i>calyxhymenia</i>		M1	1.2	<2N
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>		M1		
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>		M1		
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>		M1		
Euphorbiaceae	<i>Adriana</i>	<i>tomentosa</i> var. <i>tomentosa</i>		M2	0.8	<2T
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M2	0.7	2-10%
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>		M2	0.3	<2T
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		M2	0.5	<2T
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>		M2	0.3	<2N
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>		M2	0.3	<2T
Fabaceae	<i>Lotus</i>	<i>australis</i>		M2	0.3	<2T
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M2	0.3	<2T
Fabaceae	<i>Tephrosia</i>	<i>sp. B Kimberley Flora (C.A. Gardner 7300)</i>		M2	0.2	<2T
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M2	0.3	<2T
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>		M2	0.2	<2T
Asteraceae	<i>Olearia</i>	<i>sp. Kennedy Range (G. Byrne 66)</i>		M2	0.9	<2T
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M2	0.3	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.6	2-10%
Poaceae	<i>Aristida</i>	<i>holathera</i> var. <i>holathera</i>		G1	0.5	<2N
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.5	<2T
Hemerocallidaceae	<i>Tricoryne</i>	<i>corynothecoides</i>		G1	0.4	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>villosiflorus</i>		G2	0.7	2-10%
Haloragaceae	<i>Haloragis</i>	<i>trigonocarpa</i>		G2	0.2	<2N
Fabaceae	<i>Rhynchosia</i>	<i>minima</i>		G2	0.4	<2N
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.3	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>drummondii</i>		G2	0.1	<2T
Fabaceae	<i>Swainsona</i>	<i>pterostylis</i>		G2	0.4	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Amaranthus</i>	<i>clementii</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>macrocephalus</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>	
Asteraceae	<i>Podolepis</i>	<i>aristata</i> subsp. <i>aristata</i>	
Asteraceae	<i>Angianthus</i>	<i>acrohyalinus</i>	
Campanulaceae	<i>Lobelia</i>	<i>heterophylla</i>	
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>	
Malvaceae	<i>Hibiscus</i>	<i>sturtii</i> var. <i>platychlamys</i>	
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>	
Poaceae	<i>Eragrostis</i>	<i>eriopoda</i>	
Zygophyllaceae	<i>Zygophyllum</i>	<i>aurantiacum</i>	
Zygophyllaceae	<i>Tribulus</i>	<i>macrocarpus</i>	

Site	Q19	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	16/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 116 Minilya-Exmouth Road	Easting:	801395	Northing:	7477649
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Excellent	Field Vegetation Type:	Flat(swale)		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (80%), Litter (15%), Medium gravel/pebbles (5%)	Soil Type:			
		Major Component:	Sand	Minor:	
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Negligible-gentle (west)		
Landform:	Swale/Plain				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m		Shrub <1 m	M1
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10			30-70	2-10
Ht range (m)				0.1-0.9			0.3-1.1	0.1-1.1
Av ht (m)				0.4			0.7	0.7

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M1	0.7	2-10%
Fabaceae	<i>Isotropis</i>	<i>atropurpurea</i>		M1	0.5	2-10%
Malvaceae	<i>Hannafordia</i>	<i>quadriovalvis</i> subsp. <i>recurva</i>		M1	0.8	<2T
Malvaceae	<i>Hibiscus</i>	<i>sturtii</i> var. <i>platyphylloides</i>		M1	0.3	<2T
Goodeniaceae	<i>Scaevola</i>	<i>cunninghamii</i>		M1	0.2	<2N
Fabaceae	<i>Indigofera</i>	<i>boviperda</i>		M1	0.2	<2N
Myrtaceae	<i>Thryptomene</i>	<i>dampieri</i>		M1	0.4	<2T
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>		M1	0.4	<2T
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>		M1	0.3	<2N
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M1	0.6	<2T
Malvaceae	<i>Corchorus</i>	<i>sidoides</i>		M1	0.4	<2T
Phyllanthaceae	<i>Phyllanthus</i>	<i>hamelinii</i>		M1	0.5	<2T
Goodeniaceae	<i>Scaevola</i>	<i>pulchella</i>		M1	0.1	<2T
Malvaceae	<i>Alogyne</i>	<i>pinoniana</i>		M1	0.9	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>longifolia</i>		M1	0.9	<2T
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M1	0.1	<2T
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		M1	0.2	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Poaceae	<i>Eriachne</i>	<i>helmsii</i>		G1	0.7	30-70%
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.8	10-30%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.4	<2T
Poaceae	<i>Chrysopogon</i>	<i>fallax</i>		G1	1.1	2-10%
Poaceae	<i>Eragrostis</i>	<i>eriopoda</i>		G1	0.3	<2T
Poaceae	<i>Aristida</i>	<i>holathera var. holathera</i>		G1	0.5	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	1.1	2-10%
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	0.2	<2T
Phyllanthaceae	<i>Sauropus</i>	<i>lissocarpus</i>		G2	0.1	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.4	<2T

INCIDENTALS

Family	Genus	Species	Status
<i>Amaranthaceae</i>	<i>Ptilotus</i>	<i>axillaris</i>	
<i>Colchicaceae</i>	<i>Wurmbea</i>	<i>odorata</i>	
<i>Cyperaceae</i>	<i>Bulbostylis</i>	<i>clementii</i>	
<i>Fabaceae</i>	<i>Senna</i>	<i>artemisioides subsp. oligophylla</i>	
<i>Fabaceae</i>	<i>Acacia</i>	<i>bivenosa</i>	
<i>Fabaceae</i>	<i>Daviesia</i>	<i>benthamii subsp. benthamii</i>	
<i>Goodeniaceae</i>	<i>Scaevola</i>	<i>parvifolia subsp. parvifolia</i>	
<i>Malvaceae</i>	<i>Abutilon</i>	<i>otocarpum</i>	
<i>Malvaceae</i>	<i>Abutilon</i>	<i>lepidum</i>	
<i>Moraceae</i>	<i>Ficus</i>	<i>brachypoda</i>	
<i>Sapindaceae</i>	<i>Alectryon</i>	<i>oleifolius</i>	

Site	Q20	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	17/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 116 Minilya-Exmouth Road	Easting:	802436	Northing:	7478133
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good	Field Vegetation Type:	Calcareous Shield/Dune		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (20%), Litter (5%), Medium gravel/pebbles - 20-60mm (10%) Surface plates/boulders- >600mm (20%)	Soil Type: Major Component:	Rock	Minor:	Sandy
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Moderate - east		
Landform:	Breakaway, Hill crest, Ridge				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	
Shrub 1-2 m		Shrub <1 m	M1
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	


STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				<2			10-30	2-10
Ht range (m)				0.1-0.9			0.1-0.9	0.1-0.4
Av ht (m)				0.4			0.4	0.2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>gregorii</i>		M1	0.4	<2T
Boraginaceae	<i>Heliotropium</i>	<i>ovalifolium</i>		M1	0.4	<2T
Fabaceae	<i>Indigofera</i>	<i>monophylla</i>		M1	0.3	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M1	0.8	<2T
Malvaceae	<i>Abutilon</i>	<i>otocarpum</i>		M1	0.9	<2T
Goodeniaceae	<i>Dampiera</i>	<i>incana</i>		M1	0.4	<2T
Asparagaceae	<i>Acanthocarpus</i>	<i>humilis</i>		M1	0.5	<2T
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		M1	0.3	<2T
Sapindaceae	<i>Diplopeltis</i>	<i>eriocarpa</i>		M1	0.2	<2T
Malvaceae	<i>Adriana</i>	<i>tomentosa</i> var. <i>tomentosa</i>		M1	0.3	<2T
Malvaceae	<i>Abutilon</i>	<i>sidoides</i>		M1	0.3	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>		M1	0.6	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M1	0.7	<2T
Fabaceae	<i>Crotalaria</i>	<i>cunninghamii</i>		M1	1	<2T
Goodeniaceae	<i>Scaevola</i>	<i>cunninghamii</i>		M1	0.3	<2T
Goodeniaceae	<i>Scaevola</i>	<i>parvifolia</i> subsp. <i>parvifolia</i>		M1	0.1	<2T
Malvaceae	<i>Hannafordia</i>	<i>quadrivalvis</i> subsp. <i>recurva</i>		M1	0.5	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Poaceae	<i>Themeda</i>	<i>triandra</i>		G1	0.9	<2N
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.9	10-30%
Poaceae	<i>Eulalia</i>	<i>aurea</i>		G1	0.9	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.7	<2N
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>		G1	0.1	<2T
Poaceae	<i>Eragrostis</i>	<i>dielsii</i>		G1	0.02	<2T
Poaceae	<i>Eriachne</i>	<i>helmsii</i>		G1	0.5	<2N
Cyperaceae	<i>Bulbostylis</i>	<i>barbata</i>		G1	0.7	<2N
Chenopodiaceae	<i>Dysphania</i>	<i>kalpari</i>		G2	0.2	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.1	<2N
Rubiaceae	<i>Synaptantha</i>	<i>tilleacea</i>		G2	0.1	<2T
Lauraceae	<i>Cassytha</i>	<i>sp. (insufficient material)</i>		G2	0.1	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.4	2-10%

INCIDENTALS

Family	Genus	Species	Status
Fabaceae	<i>Acacia</i>	<i>spathulifolia</i>	
Polygalaceae	<i>Polygala</i>	<i>glaucifolia</i>	

Site	Q21	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	17/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 116 Minilya-Exmouth Road	Easting:	801956	Northing:	7478455
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal - grazing	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Very Good	Field Vegetation Type:	Calcareous Shield		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (35%), Litter (10%), Fine rocks - 2-6 mm (10%) Medium gravel/pebbles - 20-60mm (10%) Stony/stones (25%) Surface plates/boulders->600mm (10%)	Soil Type: Major Component:	Rock	Minor:	Sandy
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Moderate - south		
Landform:	Breakaway, Hill crest, Ridge				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	U1					
Tree <2 m		Tree Mallee						
Palm		Shrub >2 m	M1					
Shrub 1-2 m	M2	Shrub <1 m	M3					
Cycads		Tussock Grass	G1					
Hummock Grass	G1	Sedge						
Vine		Herbs	G2					
Other		Mallee Shrub						
Heath Shrub		Samphire Shrub						
Chenopod		Rush						
Grass Tree		Other						
STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover	<2			<2	<2	<2	30-70	<2
Ht range (m)	4.0			4.0	1.3	0.2-0.7	0.1-0.9	0.1-0.7
Av ht (m)	4.0			4.0	1.3	0.4	0.5	0.4

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Moraceae	<i>Ficus</i>	<i>brachypoda</i>		M1	4	2-10%
Moraceae	<i>Ficus</i>	<i>brachypoda</i>		M1	4	<2T
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M2	4	<2T
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M3	1.3	<2N
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M3	0.5	<2T
Malvaceae	<i>Corchorus</i>	<i>sidioides</i>		M3	0.3	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M3	0.3	<2T
Malvaceae	<i>Corchorus</i>	<i>otocarpum</i>		M3	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M3	0.3	<2T
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>		M3	0.2	<2T
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M3	0.3	<2T
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M3	0.5	<2T
Goodeniaceae	<i>Scaevola</i>	<i>tomentosa</i>		M3	0.4	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.4	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		M3	0.2	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M3	0.2	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii</i> subsp. <i>obovata</i>		M3	0.7	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.5	30-70%
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.9	<2T
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>macrocephalus</i>		G2	0.7	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.2	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.2	<2N
Portulacaceae	<i>Portulaca</i>	<i>oleracea</i>		G2	0.1	<2N
Portulacaceae	<i>Calandrinia</i>	<i>sp. (insufficient material)</i>		G2	0.1	<2T
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>		G2	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>gomprenoides</i>		G2	0.1	<2T
Campanulaceae	<i>Wahlenbergia</i>	<i>tumidifruca</i>		G2	0.3	<2T

INCIDENTALS			
Family	Genus	Species	Status
Acanthaceae	<i>Dipteracanthus</i>	<i>australasicus</i> subsp. <i>australasicus</i>	
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>	
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>	
Euphorbiaceae	<i>Beyeria</i>	<i>cinerea</i> subsp. <i>borealis</i>	
Fabaceae	<i>Senna</i>	<i>ferraria</i>	
Fabaceae	<i>Acacia</i>	<i>saligna</i>	430 km RE North of known range
Portulacaceae	<i>Calandrinia</i>	<i>polyandra</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>aff. oldfieldii</i>	OS
Solanaceae	<i>Salsola</i>	<i>australis</i>	
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>	
Violaceae	<i>Hybanthus</i>	<i>aurantiacus</i>	

Site	Q22	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	18/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 24.5 Minilya-Exmouth Road	Easting:	802326	Northing:	7392388
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds - grazing	Animal	Frequency:	Current disturbance	
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Some water		
Veg Condition:	Very Good	Field Vegetation Type:	Mixed Scrub on Stoney Slopes		
Drainage:	Good Drain	Fire Intensity:	-		
Fire Frequency:	Nil	Soil Type:			
Surface Component:	Loose soil (65%), Litter (15%), Medium gravel/pebbles - 20-60mm (10%) Cobbly/cobbles- 60-200mm (25%)	Major Component:	Sand	Minor:	Loamy
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Moderate - west		
Landform:	Slope - Middle and Slope - Upper				

GROWTH FORM TABLE:


Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	G1
Hummock Grass	G1	Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10	2-10	2-10	10-30	10-30
Ht range (m)				2.2-3	1.2-1.9	0.3-0.8	0.15-0.4	0.1-0.5
Av ht (m)				2.6	1.5	0.5	0.25	0.3

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Moraceae	<i>Ficus</i>	<i>brachypoda</i>		M1	4	2-10%
Moraceae	<i>Ficus</i>	<i>brachypoda</i>		M1	4	<2T
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M2	4	<2T
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M3	1.3	<2N
Pittosporaceae	<i>Pittosporum</i>	<i>phillyreoides</i>		M3	0.5	<2T
Malvaceae	<i>Corchorus</i>	<i>sidoides</i>		M3	0.3	<2T
Solanaceae	<i>Solanum</i>	<i>lasiophyllum</i>		M3	0.3	<2T
Malvaceae	<i>Corchorus</i>	<i>otocarpum</i>		M3	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M3	0.3	<2T
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>		M3	0.2	<2T
Fabaceae	<i>Acacia</i>	<i>coriacea</i>		M3	0.3	<2T
Malvaceae	<i>Sida</i>	<i>fibulifera</i>		M3	0.5	<2T
Goodeniaceae	<i>Scaevola</i>	<i>tomentosa</i>		M3	0.4	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.4	<2T
Boraginaceae	<i>Heliotropium</i>	<i>crispatum</i>		M3	0.2	<2T
Fabaceae	<i>Acacia</i>	<i>bivenosa</i>		M3	0.2	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii</i> subsp. <i>obovata</i>		M3	0.7	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.5	30-70%
Poaceae	<i>Triodia</i>	<i>angusta</i>		G1	0.9	<2T
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>macrocephalus</i>		G2	0.7	<2T
Goodeniaceae	<i>Goodenia</i>	<i>cusackiana</i>		G2	0.2	<2T
Solanaceae	<i>Nicotiana</i>	<i>occidentalis</i>		G2	0.2	<2N
Portulacaceae	<i>Portulaca</i>	<i>oleracea</i>		G2	0.1	<2N
Portulacaceae	<i>Calandrinia</i>	sp. (insufficient material)		G2	0.1	<2T
Nyctaginaceae	<i>Boerhavia</i>	<i>coccinea</i>		G2	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>gomphrenoides</i>		G2	0.1	<2T
Campanulaceae	<i>Wahlenbergia</i>	<i>tumidifruca</i>		G2	0.3	<2T

INCIDENTALS			
Family	Genus	Species	Status
Acanthaceae	<i>Dipteracanthus</i>	<i>australasicus</i> subsp. <i>australasicus</i>	
Amaranthaceae	<i>Aerva</i>	<i>javanica</i>	*
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>	
Capparaceae	<i>Capparis</i>	<i>lasiantha</i>	
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>	
Euphorbiaceae	<i>Beyeria</i>	<i>cinerea</i> subsp. <i>borealis</i>	
Fabaceae	<i>Senna</i>	<i>ferraria</i>	
Fabaceae	<i>Acacia</i>	<i>saligna</i>	430 km RE North of known range
Fabaceae	<i>Vachellia</i>	<i>farnesiana</i>	*
Portulacaceae	<i>Calandrinia</i>	<i>polyandra</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>aff. oldfieldii</i>	OS
Scrophulariaceae	<i>Eremophila</i>	<i>miniata</i>	
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>	
Violaceae	<i>Hybanthus</i>	<i>aurantiacus</i>	


Site	Q23	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	18/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 24.5 Minilya-Exmouth Road	Easting:	802278	Northing:	7392243
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Flood	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Some water		
Veg Condition:	Degraded	Field Vegetation Type:	Drainage Line		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil 5%), Litter (95%),	Soil Type: Major Component:	Loam	Minor:	Sandy
Leaf Litter:	Plentiful	Wood Litter:	Moderate		
Soil Colour:	Red Orange/Brown	Slope (if present):	Moderate - west		
Landform:	Drainage Depression				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	U1					
Tree <2 m		Tree Mallee						
Palm		Shrub >2 m	M1					
Shrub 1-2 m	M2	Shrub <1 m	M3					
Cycads		Tussock Grass	G1					
Hummock Grass		Sedge						
Vine		Herbs						
Other		Mallee Shrub						
Heath Shrub		Samphire Shrub						
Chenopod		Rush						
Grass Tree		Other						
STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover	2-10			2-10	<2	<2	30-70	<2
Ht range (m)	6.5			3.0-5.0	1.1-1.9	0.4-0.9	1.3	0.1-0.4
Av ht (m)	6.5			4.0	1.5	0.6	1.3	0.2

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>		U1	6.5	2-10%
Fabaceae	<i>Acacia</i>	<i>sclerosperma</i> subsp. <i>sclerosperma</i>		M1	4.5	2-10%
Fabaceae	<i>Acacia</i>	<i>sclerosperma</i> subsp. <i>sclerosperma</i>		M1	5	2-10%
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	5	2-10%
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	3.5	2-10%
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>		M1	3	<2T
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		M2	1.9	<2T
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>		M2	1.8	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M2	1.8	<2T
Fabaceae	<i>Crotalaria</i>	<i>incana</i> subsp. <i>incana</i>	*	M2	1.2	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M2	1.4	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>		M2	1.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>		M3	0.4	<2T
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.8	<2T
Plumbaginaceae	<i>Plumbago</i>	<i>zeylanica</i>		M3	0.9	<2T
Chenopodiaceae	<i>Chenopodium</i>	<i>gaudichaudium</i>		M3	0.9	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1.3	70-100%

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Convolvulaceae	<i>Duperreya</i>	<i>commixta</i>		G2	0.3	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>myrtoides</i>		G2	-	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>helipteroides</i>		G2	0.4	<2T
Convolvulaceae	<i>Convolvulaceae</i>	<i>sp. (insufficient material)</i>		G2	-	<2T
Asteraceae	<i>Cephaloprium</i>	<i>drummondii</i>		G2	0.2	<2T
Fabaceae	<i>Malvastrum</i>	<i>americanum</i>	*	M2	1.1	<2T

Site	Q24	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	18/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 24.5 Minilya-Exmouth Road	Easting:	802045	Northing:	7392721
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure Exotic Weeds Animal	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	No		
Veg Condition:	Degraded	Field Vegetation Type:	Plains (Grassland)		
Drainage:	Poor Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (45%), Litter 5%, Cracked Clay (20%) Fine rocks- 2-6mm (10%) Medium gravel/pebbles -6-20mm (10%) Coarse gravel/pebbles 20-60mm (10%)	Soil Type: Major Component:	Sand	Minor:	Clayey
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange/Brown	Slope (if present):	Gentle - North		
Landform:	Plain				

GROWTH FORM TABLE:

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m								
Tree <2 m								
Palm								
Shrub 1-2 m		M2						
Cycads								
Hummock Grass								
Vine								
Other								
Heath Shrub								
Chenopod								
Grass Tree								
Tree >10 m								
Tree <2 m								
Palm								
Shrub 1-2 m		M2						
Cycads								
Hummock Grass								
Vine								
Other								
Heath Shrub								
Chenopod								
Grass Tree								
% cover				<2	<2	2-10	10-30	<2
Ht range (m)				4.0	1.1-1.8	0.2-0.9	0.02-0.5	0.05-0.4
Av ht (m)				4.0	1.4	0.5	0.1	0.15

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>		M1	4	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	4	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>divaricatus</i>		M2	1.7	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii</i> subsp. <i>obovata</i>		M2	1.3	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M2	1.1	<2T
Chenopodiaceae	<i>Chenopodium</i>	<i>gaudichaudium</i>		M2	1.1	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.8	<2T
Malvaceae	<i>Abutilon</i>	<i>oxycarpum</i> subsp. <i>Prostrate</i> (A.A. Mitchell PRP 1266)		M3	0.3	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>latrobei</i>		M3	0.5	<2T
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		M3	0.8	<2T
Chenopodiaceae	<i>Atriplex</i>	<i>vesicaria</i>		M3	0.5	<2N

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Chenopodiaceae	<i>Maireana</i>	<i>polypterygia</i>		M3	0.5	2-10%
Fabaceae	<i>Senna</i>	<i>artemisioides</i> subsp. <i>oligophylla</i>		M3	0.3	<2T
Chenopodiaceae	<i>Dissocarpus</i>	<i>paradoxus</i>		M3	0.5	2-10%
Chenopodiaceae	<i>Sclerolaena</i>	<i>cornishiana</i>		M3	0.2	<2T
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>		M3	0.9	<2T
Solanaceae	<i>Salsola</i>	<i>australis</i>		M3	0.3	<2T
Chenopodiaceae	<i>Maireana</i>	<i>tomentosa</i>		M3	0.3	<2T
Poaceae	<i>Triraphis</i>	<i>mollis</i>		G1	0.3	<2N
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>		G1	0.2	<2T
Poaceae	<i>Eragrostis</i>	<i>dielsii</i>		G1	0.02	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.5	10-30%
Poaceae	<i>Aristida</i>	<i>contorta</i>		G1	0.1	2-10%
Poaceae	<i>Dichanthium</i>	<i>sericeum</i>		G1	0.3	2-10%
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>clementii</i>		G2	0.4	<2N
Amaranthaceae	<i>Ptilotus</i>	<i>polystachyus</i>		G2	0.4	<2N
Euphorbiaceae	<i>Euphorbia</i>	<i>boophthona</i>		G2	0.4	<2T
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>		G2	0.4	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>australis</i>		G2	0.1	<2T
Asphodelaceae	<i>Asphodelus</i>	<i>fistulosus</i>	*	G2	0.4	<2N
Asteraceae	<i>Angianthus</i>	<i>milnei</i>		G2	0.2	<2T
Chenopodiaceae	<i>Dysphania</i>	<i>kalpari</i>		G2	0.1	<2T
Geraniaceae	<i>Erodium</i>	sp. (insufficient material)		G2	0.1	<2T
Malvaceae	<i>Lawrenzia</i>	<i>densiflora</i>		G2	0.3	<2T
Convolvulaceae	<i>Duperreya</i>	<i>commixta</i>		G2	-	<2T
Chenopodiaceae	<i>Maireana</i>	<i>carnosa</i>		G2	0.15	<2T
Asteraceae	<i>Cephaleprrium</i>	<i>drummondii</i>		G2	0.15	<2T

Site	Q25	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	18/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 24.5 Minilya-Exmouth Road	Easting:	803072	Northing:	7393878
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Infrastructure Gravel Pit Exotic Weeds Flood	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Yes-Water		
Veg Condition:	Degraded	Field Vegetation Type:	Saline/Low Mixed Shrublands		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (20%), Litter 5%), Cracked Clay (5%) Fine rocks- 2-6mm (10%) Medium gravel/pebbles -6-20mm (20%) Coarse gravel/pebbles 20-60mm (10%) Cobbly/Cobbles - 60-200mm (20%)	Soil Type: Major Component:	Sand	Minor:	Clayey
Leaf Litter:	Negligible	Wood Litter:	Negligible		
Soil Colour:	Red Orange	Slope (if present):	Moderate - South		
Landform:	Slope- Middle				

GROWTH FORM TABLE:

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m								
Tree <2 m								
Palm								
Shrub 1-2 m		M2						
Cycads								
Hummock Grass								
Vine								
Other								
Heath Shrub								
Chenopod								
Grass Tree								
Tree 2-10 m								
Tree Mallee								
Shrub >2 m							M1	
Shrub <1 m								M3
Tussock Grass								G1
Sedge								
Herbs								G2
Mallee Shrub								
Samphire Shrub								
Rush								
Other								

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>		M1	2.2	<2T
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>		M2	1.6	<2T
Santalaceae	<i>Exocarpos</i>	<i>aphyllus</i>		M2	1.3	<2T
Fabaceae	<i>Acacia</i>	<i>cuspiifolia</i>		M2	1.3	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.1	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>pterocarpa subsp. pterocarpa</i>		M2	1.2	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>pterocarpa subsp. pterocarpa</i>		M3	0.9	2-10%
Chenopodiaceae	<i>Maireana</i>	<i>polypterygia</i>		M3	0.7	2-10%
Fabaceae	<i>Acacia</i>	<i>xiphophylla</i>		M3	0.8	<2T
Solanaceae	<i>Salsola</i>	<i>australis</i>		M3	0.4	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Amaranthaceae	<i>Ptilotus</i>	<i>obovatus</i>		M3	0.6	<2T
Chenopodiaceae	<i>Atriplex</i>	<i>vesicaria</i>		M3	0.6	<2N
Chenopodiaceae	<i>Dissocarpus</i>	<i>paradoxus</i>		M3	0.15	<2T
Chenopodiaceae	<i>Sclerolaena</i>	<i>diacantha</i>		M3	0.1	<2T
Poaceae	<i>Enneapogon</i>	<i>caerulescens</i>		G1	0.2	2-10%
Poaceae	<i>Aristida</i>	<i>contorta</i>		G1	0.1	2-10%
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.4	2-10%
Poaceae	<i>Eriachne</i>	<i>pulchella subsp. dominii</i>		G1	0.1	2-10%
Amaranthaceae	<i>Ptilotus</i>	<i>helipterioides</i>		G2	0.2	<2N
Malvaceae	<i>Lawrenzia</i>	<i>densiflora</i>		G2	0.4	<2N
Asteraceae	<i>Cephaleptrium</i>	<i>drummondii</i>		G2	0.1	<2T
Euphorbiaceae	<i>Euphorbia</i>	<i>boophthona</i>		G2	0.3	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>nobilis</i>	
Asteraceae	<i>Vittadinia</i>	<i>eremaea</i>	
Chenopodiaceae	<i>Sclerolaena</i>	<i>cornishiana</i>	
Fabaceae	<i>Senna</i>	<i>sp. Meekatharra (E. Baily 1-26)</i>	
Fabaceae	<i>Acacia</i>	<i>sericophylla</i>	
Fabaceae	<i>Senna</i>	<i>artemisioides subsp. oligophylla</i>	
Poaceae	<i>Iseilema</i>	<i>membranaceum</i>	

Site	Q26	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	19/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 7 Minilya-Exmouth Road	Easting:	804193	Northing:	7375566
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Animal	Flood	Frequency:	Current disturbance	
Climate:	Dry, plants not stressed		Water or Wind Erosion Evidence:	Yes-Water	
Veg Condition:	Degraded		Field Vegetation Type:	Saline/Low Mixed Shrublands	
Drainage:	Good Drain				
Fire Frequency:	Nil		Fire Intensity:	-	
Surface Component:	Loose soil (90%), Litter (5%), Medium gravel/pebbles -6-20mm (5%)		Soil Type: Major Component:	Sand	Minor:
Leaf Litter:	Sparse		Wood Litter:	Sparse	
Soil Colour:	Red Orange		Slope (if present):	Negligible - East	
Landform:	Plain				

GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	G1
Hummock Grass		Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover				2-10	2-10	<2	30-70	<2
Ht range (m)				2.2-3.5	1.4	0.1-0.8	0.3	0.15-0.2
Av ht (m)				3.0	1.4	0.4	0.3	0.18

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	3.5	
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	3.5	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	3	
Fabaceae	<i>Acacia</i>	<i>sclerosperma</i> subsp. <i>sclerosperma</i>		M1	2.2	
Fabaceae	<i>Acacia</i>	<i>sclerosperma</i> subsp. <i>sclerosperma</i>		M2	1.4	
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M2	1.4	
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M3	0.3	
Solanaceae	<i>Salsola</i>	<i>australis</i>		M3	0.3	
Goodeniaceae	<i>Scaevola</i>	<i>tomentosa</i>		M3	0.3	
Fabaceae	<i>Indigofera</i>	<i>linnaei</i>		M3	0.1	
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>		M3	0.8	
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.3	
Euphorbiaceae	<i>Euphorbia</i>	<i>boophthona</i>		G2	0.2	
Amaranthaceae	<i>Ptilotus</i>	<i>helipteroides</i>		G2	0.15	
Chenopodiaceae	<i>Dysphania</i>	<i>melanocarpa</i>		G2	0.2	
Zygophyllaceae	<i>Tribulus</i>	<i>sp. (insufficient material)</i>		G2	0.1	

INCIDENTALS			
Family	Genus	Species	Status
Proteaceae	<i>Hakea</i>	<i>preisii</i>	
Fabaceae	<i>Acacia</i>	<i>cuspidata</i>	
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>	

Site	Q27	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	19/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 0-4 Minilya-Exmouth Road	Easting:	804841	Northing:	7372935
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Infrastructure Flood Animal	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Yes-Water		
Veg Condition:	Degraded	Field Vegetation Type:	Floodplain		
Drainage:	Seasonal Wet				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (20%), Litter (10%), Cracked Clay (60%) Coarse gravel/pebbles- 20-60mm (10%)	Soil Type: Major Component:	Clay	Minor:	
Leaf Litter:	Moderate	Wood Litter:	Sparse		
Soil Colour:	Brown	Slope (if present):	Negligible		
Landform:	Drainage Depression				


GROWTH FORM TABLE:

Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	G1
Hummock Grass		Sedge	
Vine		Herbs	G2
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover	<2			10-30	2-10	30-70	30-70	<2
Ht range (m)	6.5			2.1-4.5	1.2-1.9	0.8-0.9	0.4-1.4	0.2-0.8
Av ht (m)	6.5			3.0	1.4	0.85	1.0	0.5

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	4.5	<2T
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>		M1	3.5	2-10%
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	4	<2T
Surianaceae	<i>Stylobasium</i>	<i>spathulatum</i>		M2	1.8	<2T
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>		M2	1.2	<2T
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>		M3	0.9	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.9	30-70%

INCIDENTALS			
Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>polystachyus</i>	
Cyperaceae	<i>Bulbostylis</i>	<i>barbata</i>	
Fabaceae	<i>Tephrosia</i>	<i>sp. B Kimberley Flora (C.A. Gardner 7300)</i>	
Meliaceae	<i>Owenia</i>	<i>acidula</i>	P3
Poaceae	<i>Eragrostis</i>	<i>dielsii</i>	
Poaceae	<i>Aristida</i>	<i>contorta</i>	
Scrophulariaceae	<i>Eremophila</i>	<i>forrestii</i>	
Thymelaeaceae	<i>Pimelea</i>	<i>microcephala</i>	

Site	Q28	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	19/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 0-4 Minilya-Exmouth Road	Easting:	805670	Northing:	7371953
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Infrastructure Animal	Frequency:	Current		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Yes-Water		
Veg Condition:	Degraded	Field Vegetation Type:	Degraded Mixed Scrub on Rolling Dunes		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (95%), Litter (5%),	Soil Type: Major Component:	Sand	Minor:	
Leaf Litter:	Sparse	Wood Litter:	Sparse		
Soil Colour:	Red Orange	Slope (if present):	Moderate - East		
Landform:	Dune				

GROWTH FORM TABLE:


Tree >10 m		Tree 2-10 m	
Tree <2 m		Tree Mallee	
Palm		Shrub >2 m	M1
Shrub 1-2 m	M2	Shrub <1 m	M3
Cycads		Tussock Grass	G1
Hummock Grass		Sedge	
Vine		Herbs	
Other		Mallee Shrub	
Heath Shrub		Samphire Shrub	
Chenopod		Rush	
Grass Tree		Other	

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
% cover							2-10	<2
Ht range (m)							3.5-4.5	1.2-1.8
Av ht (m)							4.0	1.6

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	Acacia	tetragonophylla		U1	6.5	<2T
Fabaceae	Acacia	tetragonophylla		M1	4.5	2-10%
Proteaceae	Hakea	preissii		M1	4.5	10-30%
Goodeniaceae	Scaevola	acacioides		M1	4	2-10%
Fabaceae	Acacia	synchronica		M1	3.5	<2T
Fabaceae	Vachellia	farnesiana	*	M1	3	<2T
Fabaceae	Acacia	coriacea subsp. pendens		M1	2.1	<2T
Fabaceae	Vachellia	farnesiana	*	M2	1.9	<2T
Asteraceae	Pterocaulon	sphacelatum		M2	1.2	<2T
Amaranthaceae	Ptilotus	obovatus		M2	1.3	<2T
Goodeniaceae	Scaevola	acacioides		M2	1.8	<2N
Chenopodiaceae	Rhagodia	preissii subsp. obovata		M2	1.9	<2T
Chenopodiaceae	Maireana	?pyramidata		M2	1.3	<2T
Fabaceae	Aeschynomene	indicata		M3	0.9	<2N
Amaranthaceae	Ptilotus	obovatus		M3	0.9	<2T
Asteraceae	Pluchea	tetranthera		M3	0.8	<2T

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M3	0.9	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.5	<2T
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M2	1.3	<2T
Scrophulariaceae	<i>Eremophila</i>	<i>maculata subsp. brevifolia</i>		M3	0.5	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	1.4	30-70%
Poaceae	<i>Sporobolus</i>	<i>virginicus</i>		G1	0.5	2-10%
Poaceae	<i>Eriachne</i>	<i>benthamii</i>		G1	0.6	<2T
Poaceae	<i>Eragrostis</i>	<i>cumingii</i>		G1	0.4	<2T
Plantaginaceae	<i>Stemodia</i>	<i>viscosa</i>		G2	0.5	<2N
Amaranthaceae	<i>Alternanthera</i>	<i>nodiflora</i>		G2	0.8	<2N
Asteraceae	<i>Podolepis</i>	<i>lessonii</i>		G2	0.3	<2T
Asteraceae	<i>Calotis</i>	<i>plumulifera</i>		G2	0.4	<2T
Asteraceae	<i>Brachyscome</i>	<i>sp. (insufficient material)</i>		G2	0.2	<2N
Asteraceae	<i>Streptoglossa</i>	<i>decurrans</i>		G2	0.5	<2T
Cucurbitaceae	<i>Cucumis</i>	<i>althaeoides</i>		G2	climb	<2T

INCIDENTALS			
Family	Genus	Species	Status
Aizoaceae	<i>Trianthema</i>	<i>pilosum</i>	
Amaranthaceae	<i>Ptilotus</i>	<i>axillaris</i>	
Asteraceae	<i>Centipeda</i>	<i>minima</i>	
Chenopodiaceae	<i>Dysphania</i>	<i>melanocarpa</i>	
Cyperaceae	<i>Cyperus</i>	<i>rigidellus</i>	
Fabaceae	<i>Acacia</i>	<i>cuspidifolia</i>	
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>	
Malvaceae	<i>Malvastrum</i>	<i>americanum</i>	*
Malvaceae	<i>Melhania</i>	<i>oblongifolia</i>	
Marsileaceae	<i>Marsilea</i>	<i>hirsuta</i>	
Poaceae	<i>Cynodon</i>	<i>dactylon</i>	*

Site	Q28	Project	6132476 - Minilya Exmouth Road Biological Survey 2015		
Date:	19/10/2015	Described by:	Joshua Foster and Steven Petts		
Location:	SLK 0-4 Minilya-Exmouth Road	Easting:	805670	Northing:	7371953
MGA Zone:	49	Site Type:	Q		
Dimensions:	30m x 30m	Photo:			
Site Disturbance:	Exotic Weeds Infrastructure Animal	Frequency:	Current disturbance		
Climate:	Dry, plants not stressed	Water or Wind Erosion Evidence:	Yes-Water		
Veg Condition:	Degraded	Field Vegetation Type:	Degraded Mixed Scrub on Rolling Dunes		
Drainage:	Good Drain				
Fire Frequency:	Nil	Fire Intensity:	-		
Surface Component:	Loose soil (80%), Litter (10%), Cracked Clay (5%) Coarse gravel/pebbles 20-60mm (5%)	Soil Type: Major Component:	Sand	Minor:	Loamy
Leaf Litter:	Sparse	Wood Litter:	Sparse		
Soil Colour:	Red Orange	Slope (if present):	Negligible to Gentle- South		
Landform:	Dune				

GROWTH FORM TABLE:

STRATUM	U1	U2	U3	M1	M2	M3	G1	G2
Tree >10 m				2-10	<2	<2	70-100	<2
Tree <2 m				2.1-5.0	1.7-1.9	0.4-0.6	0.7	0.1-0.3
Palm				3.5	1.8	0.5	0.7	0.2
Shrub 1-2 m	M2							
Cycads								
Hummock Grass								
Vine								
Other								
Heath Shrub								
Chenopod								
Grass Tree								

Family	Genus	Species	Status	Sub-stratum (NVIS)	Average Height (m)	Foliage Cover (%)
Fabaceae	<i>Acacia</i>	<i>synchronicia</i>		M1	5	2-10%
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M1	4	2-10%
Proteaceae	<i>Hakea</i>	<i>preissii</i>		M1	4	<2T
Sapindaceae	<i>Alectryon</i>	<i>oleifolius</i>		M1	2.5	<2T
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>		M1	3	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii subsp. obovata</i>		M1	2.1	<2T
Proteaceae	<i>Hakea</i>	<i>preissii</i>		M2	1.9	<2T
Fabaceae	<i>Acacia</i>	<i>tetragonophylla</i>		M2	1.9	<2T
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>		M2	1.7	<2T
Chenopodiaceae	<i>Rhagodia</i>	<i>preissii subsp. obovata</i>		M2	1.7	<2T
Amaranthaceae	<i>Ptilotus</i>	<i>polakii subsp. juxtus</i>		M3	0.6	<2T
Chenopodiaceae	<i>Sclerolaena</i>	<i>tridens</i>		M3	0.4	<2T
Poaceae	<i>Cenchrus</i>	<i>ciliaris</i>	*	G1	0.7	70-100%
Aizoaceae	<i>Trianthema</i>	<i>triquetrum</i>		G2	0.1	<2T
Chenopodiaceae	<i>Atriplex</i>	<i>codonocarpa</i>		G2	0.3	<2T

INCIDENTALS

Family	Genus	Species	Status
Amaranthaceae	<i>Ptilotus</i>	<i>polakii subsp. juxtus</i>	
Apocynaceae	<i>Rhyncharrhena</i>	<i>linearis</i>	
Chenopodiaceae	<i>Sclerolaena</i>	<i>eurotioides</i>	
Chenopodiaceae	<i>Enchylaena</i>	<i>tomentosa</i>	
Fabaceae	<i>Acacia</i>	<i>sclerosperma subsp. sclerosperma</i>	
Goodeniaceae	<i>Scaevola</i>	<i>acacioides</i>	
Poaceae	<i>Eragrostis</i>	<i>dielsii</i>	

Appendix D Fauna Data

Parameters for the Likelihood of Occurrence Assessment for fauna species

Assessment outcome	Description
Present	Species recorded during the field survey or from recent, reliable records from within the survey areas.
Likely	<p>Species are likely to occur in the survey areas where there is suitable habitat within the survey areas and there are recent records of occurrence of the species in close proximity to the survey areas OR</p> <p>Species known distribution overlaps with the survey area and there is suitable habitat within the survey areas.</p>
Unlikely	<p>Species assessed as unlikely include: those species previously recorded within the survey areas however:</p> <ul style="list-style-type: none"> • there is limited (i.e. the type, quality and quantity of the habitat is generally poor or restricted) habitat in the survey areas • the suitable habitat within the survey areas is isolated from other areas of suitable habitat and the species has no capacity to migrate into the survey areas. <p>OR those species that have a known distribution overlapping with the survey area however:</p> <ul style="list-style-type: none"> • there is limited (i.e. the type, quality and quantity of the habitat is generally poor or restricted) habitat in the survey area • the suitable habitat within the survey areas are isolated from other areas of suitable habitat and the species has no capacity to migrate into the survey area.
Highly unlikely	<p>Species that are considered highly unlikely to occur in the study area include those species:</p> <ul style="list-style-type: none"> • that have no suitable habitat within the survey area; and • that have become locally extinct, or are not known to have ever been present in the region of the survey area.

Table 24 Likelihood of Occurrence assessment for conservation significant fauna species

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
Birds					
<i>Actitis hypoleucos</i> – Common Sandpiper	Mi	S5		<p>Habitat for this species is varied: coastal and interior wetlands – narrow muddy edges of billabongs, river pools, mangroves, among rocks and snags, reefs or rocky beaches. Avoids wide open mudflats. This species is widespread and scattered, common on the north and west coasts and uncommon in the south-east and interior (Morcombe 2004).</p> <p>Foraging environments: Generally the species forages in shallow water and on bare soft mud at the edges of wetlands; often where obstacles project from substrate, e.g. rocks or mangrove roots. Birds sometimes venture into grassy areas adjoining wetlands (DotE 2015b).</p> <p>Roost sites: Roost sites are typically on rocks or in roots or branches of vegetation, especially mangroves. The species is known to perch on posts, jetties, moored boats and other artificial structures, and to sometimes rest on mud or 'loaf' on rocks (DotE 2015b).</p>	<p>Unlikely</p> <p>This species preferred habitat is not present within the survey areas; however survey areas 9, 10 and 11 are situated near the coastline. This species is likely to fly and opportunistically may utilise portions of the habitat. There are records of this taxon within survey areas 9, 10 and 11.</p>
<i>Arenaria interpres</i> – Ruddy Turnstone	Mi	S5		<p>In Australasia, the Ruddy Turnstone is mainly found on coastal regions with exposed rock coast lines or coral reefs. It also lives near platforms and shelves, often with shallow tidal pools and rocky, shingle or gravel beaches. It can be found on sand, coral or shell beaches, shoals, cays and dry ridges of sand or coral and has occasionally been sighted in estuaries, harbours, bays and coastal lagoons, among low saltmarsh or on exposed beds of seagrass, around sewage ponds and on mudflats. In north Australia it is known to occur in a wide variety of habitats, and may prefer wide mudflats. In southern Australia the Ruddy Turnstone prefers rockier coastlines and is less numerous on large embayments with extensive mudflats. On Flinders Island, Tasmania, it has been sighted around rocky reefs during spring and summer, and moves to bays and estuaries for autumn and winter. In south-west Australia it may occur on pebble-strewn shores of saltlakes near the coast.</p> <p>On Rottnest Island the Ruddy Turnstone prefers shores with scattered fragments of limestone. In New Zealand it has occasionally been recorded in paddocks or grassy areas. Surveys demonstrate that the Ruddy Turnstone</p>	<p>Unlikely</p> <p>This species preferred habitat is not present within the survey areas; however survey areas 9, 10 and 11 are situated near the coastline. This species is likely to fly and opportunistically may utilise portions of the habitat. There are records of this taxon within survey areas 9, 10 and 11.</p>

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				can live away from coastal areas in habitats such river beds, and on inland lakes and adjacent farmland (DotE 2015b).	
<i>Ardea modesta</i> – Great Egret	Mi	S5		The Great Egret is widespread in Australia. They have been reported in a wide range of wetland habitats, include swamps and marshes; margins of rivers and lakes; damp or flooded grasslands, pasture or agricultural lands; reservoirs; sewerage treatment ponds; drainage channels; salt pans; salt marshes; mangrove, and a range of coastal/marine habitats (DotE 2015b).	Highly unlikely The Great Egret can occupy a range of coastal habitat. It may utilise the survey areas particularly the northern survey areas, which adjoins larger similar habitat within the local region. However, this species is irregular visitor and the nearest record is 128 km north-east of survey area 11 (DPaW, 2015c).
<i>Apus pacificus</i> – Fork-tailed Swift	Mi	S5		In south-west WA there are sparsely scattered records along the south coast, ranging from the Eyre Bird Observatory and west to Denmark. They are widespread in coastal and sub-coastal areas between Augusta and Carnarvon, including some on nearshore and offshore islands. This species is almost exclusively aerial, flying less than one metre to at least 300 m above ground. This species is considered rare in the south-west region (DotE 2015b).	Unlikely This species is solely and arial species, it may flyover the survey areas but is unlikely to utilise the terrestrial habitats present in the survey areas. Nearest record 40 km north of survey area 5 (DPaW, 2015c).
<i>Ardea ibis</i> – Cattle Egret	Mi	S5		Habitat includes moist pasture with tall grass, shallow open wetland and margins, mudflats. Common in north Australia, uncommon in southern Australia (DotE 2015b)	Unlikely – Irregular Visitor The claypans habitat type recorded within survey area 2, is considered suitable habitat for this taxon. It is unlikely for this species visit the area as the nearest record is 133 km south of survey area 1 (DPaW 2015c)
<i>Ardea sacra</i> (<i>Egretta sacra</i>) – Eastern Reef Egret		S5		Within this regional area of WA the Eastern Reef Egret is “Locally common (Dorre and Dirk Hartog Is and mainland coast between Cape Cuvier and Point Quobba), but generally uncommon to moderately common; usually in ones or twos. Mainly tidal reef flats; also mangrove creeks. Breeding August – September” (DotE 2015b).	Unlikely This taxon preferred habitat was not recorded and unlikely to utilise the survey area. The nearest record 12 km south-east of

Species	EPBC Act Status	WC Act Status	DPaW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
					survey area 9 (DPaW 2015c)
<i>Calidris acuminata</i> – Sharp-tailed Sandpiper	Mi	S5		Within this regional area of WA, the Sharp-tailed Sandpiper occurs on “Mainland coast and coastal plain south of Hamelin [Hamelin Station]; northern coast of Peron Peninsula; Dirk Hartog I. [Island]; casual in interior (Mungawolagudi Clay pan, Lake Wownamiya). Locally and seasonally common at inland waters, uncommon on coasts; usually in small parties occasionally flocks (up to 200). Inundated samphire flats, bore overflows and tidal flats” (DotE 2015b).	<p>Unlikely</p> <p>Records within the Exmouth Region area restricted to the nearby islands within Exmouth Gulf.</p> <p>The nearest record is 15 km east of survey area 9 and there is no suitable habitat is present within the survey area.</p>
<i>Calidris alba</i> - Sanderling	Mi	S5		In Australia, the species is almost always found on the coast, mostly on open sandy beaches exposed to open sea-swell, and also on exposed sandbars and spits, and shingle banks, where they forage in the wave-wash zone and amongst rotting seaweed. Sanderlings also occur on beaches that may contain wave-washed rocky outcrops. Less often the species occurs on more sheltered sandy shorelines of estuaries, inlets and harbours. Rarely, they are recorded in near-coastal wetlands, such as lagoons, hypersaline lakes, saltponds and samphire flats. There are rare inland records from sandy shores of ephemeral brackish lakes and brackish river-pools. They roost on/behind: bare sand high on the beach, clumps of washed-up kelp, coastal dunes, rocky reefs and ledges. Breeding habitat is usually open ground, sometimes on raised hummocks or ridges, in the Arctic tundra of Greenland, Canada and Siberia (DotE 2015b).	<p>Unlikely</p> <p>Records of this species appear to be restricted to the western side of the Cape Range National Park.</p> <p>Nearest record 35 km west of survey areas 9, 10 and 11 (DPaW 2015c).</p>
<i>Charadrius veredus</i> – Oriental Plover	Mi	S5		The Oriental Plover is a non-breeding visitor to Australia. Most records are along the north-western coast, between Exmouth Gulf and Derby in Western Australia, and there are records at a few scattered sites elsewhere, mainly along the northern coast. Immediately after arriving in non-breeding grounds in northern Australia, Oriental Plovers spend a few weeks in coastal habitats such as estuarine mudflats and sandbanks, on sandy or rocky ocean beaches or nearby reefs, or in near-coastal grasslands, before dispersing further inland. Thereafter they usually inhabit flat, open, semi-arid or arid grasslands, where the grass is short and sparse, and interspersed with hard, bare ground, such as claypans, dry paddocks, playing fields, lawns and cattle camps (DotE 2015b).	<p>Unlikely – Irregular Visitor</p> <p>This taxon occupies a wide range of habitat types, which were present within the survey areas. They may utilise these habitat, which adjoins larger similar habitat within the local region.</p> <p>There are no records within the survey areas, with the closest being 30km west of survey areas 6 and 7 (DPaW 2015c).</p> <p>.</p>

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
<i>Charadrius mongolus</i> – Lesser Sand Plover	Mi	S2		<p>“The Lesser Sand Plover is a small to medium-sized grey-brown and white plover which has a dark eye-stripe and which reaches 18–21 cm in length and 56–71 g in weight. Sexes differ when in breeding plumage, but are inseparable when in non-breeding plumage. Juveniles are distinguishable. Within Australia, the Lesser Sand-Plover is widespread in coastal regions, and has been recorded in all states (DotE 2015b).</p> <p>It mainly occurs in northern and eastern Australia, in south-eastern parts of the Gulf of Carpentaria, western Cape York Peninsula and islands in Torres Strait, and along the entire east coast, though it occasionally also occurs inland. It is most numerous in Queensland and NSW. The species has also been recorded on Lord Howe Island, Norfolk Island and Christmas Island, Indian Ocean (DotE 2015b).</p> <p>In non-breeding grounds in Australia, this species usually occurs in coastal littoral and estuarine environments. It inhabits large intertidal sandflats or mudflats in sheltered bays, harbours and estuaries, and occasionally sandy ocean beaches, coral reefs, wave-cut rock platforms and rocky outcrops. It also sometime occurs in short saltmarsh or among mangroves. The species also inhabits saltworks and near-coastal salt pans, brackish swamps and sandy or silt islands in river beds (DotE 2015b).</p> <p>In north-western Australia, the species appears to use the Port Hedland saltworks in preference to nearby beaches. The species is seldom recorded away from the coast, at margins of lakes, soaks and swamps associated with artesian bores. On its breeding grounds it occurs in alpine valleys (DotE 2015b).</p>	<p>Unlikely</p> <p>Preferred habitat was not recorded within the survey areas.</p> <p>The nearest record is 37 km west of survey areas 6 and 7 (DPaW 2015c).</p>
<i>Elanus scriptus</i> – Letter-winged Kite	En	S3		<p>Nocturnal inhabitant of open grassy or sparsely wooded country, often along dry timbered watercourses. They roost, nest and sometimes hunt in groups, with some breeding colonies containing up to a hundred individuals.</p>	<p>Unlikely – Irregular Visitor</p> <p>There is suitable habitat present throughout the survey areas. The habitat is connected with similar habitat types within the local and regional landscape. This taxon is also a wide ranging and highly mobile species.</p> <p>There are no records within 20 km of the survey areas. The nearest record is 50 km</p>

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
					south-west of survey area 4.
<i>Falco hypoleucos</i> – Grey Falcon		S3		The Grey Falcon inhabits lightly timbered country, especially stony plains and lightly timbered Acacia scrub, and generally uses standing dead trees as lookout posts. This species is considered scarce to rare and is usually found singularly or sometimes in pairs (Morcombe 2004)	<p>Unikely – Irregular Vistor</p> <p>Open acacia scrub was recorded from the all the survey areas.</p> <p>The habitat is connected with similar habitat types within the local and regional landscape. This taxon is also a wide ranging and highly mobile species.</p> <p>There are no records within 20 km of the survey areas.</p>
<i>Falco peregrinus</i> – Peregrine Falcon		S6		The Peregrine Falcon is seen occasionally anywhere in the south-west of Western Australia. It is found everywhere from woodlands to open grasslands and coastal cliffs - though less frequently in desert regions. The species nests primarily on ledges of cliffs, shallow tree hollows, and ledges of building in cities. (Morcombe 2004)	<p>Likely – Possible visitor</p> <p>As this species occupies a diverse range of habitats particularly open plains, it is likely to occur within the survey area. However, there are no breeding opportunities present within the survey areas.</p> <p>The habitat is connected with similar habitat types within the local and regional landscape.</p> <p>There are no records within the survey areas and nearest record is just north of Exmouth on the coastline along Mininlya-Exmouth Road.</p>
<i>Glareola maldivarum</i> – Oriental Pratincole	Mi	S5		In non-breeding grounds in Australia, the Oriental Pratincole usually inhabits open plains, floodplains or short grassland (including farmland or airstrips), often with extensive bare areas. They often occur near terrestrial wetlands, such as billabongs, lakes or creeks, and artificial wetlands such as reservoirs, saltworks and sewage farms, especially around the margins. The species also occurs along the coast, inhabiting beaches, mudflats and islands, or around coastal lagoons ((DotE 2015b).	<p>Unlikely</p> <p>No suitable habitat identified within the survey areas. Nearest record is 6.8 km north of survey area 11 (DPaW 2015c).</p>
<i>Hirundo rustica</i> – Barn Swallow	Mi	S5		In Australia, the Barn Swallow is recorded in open country in coastal lowlands, often near water, towns and cities. Birds are often sighted perched on overhead wires, and also in or over freshwater wetlands, paperbark Melaleuca	<p>Highly unlikely</p> <p>No suitable habitat identified within the</p>

Species	EPBC Act Status	WC Act Status	DPaW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				woodland, mesophyll shrub thickets and tussock grassland (DotE 2015b).	survey areas. Nearest record 150 km south of survey area 1 (DPaW 2015c).
<i>Pandion haliaetus</i> - Osprey	Mi	S5		The Eastern Osprey is a medium-sized raptor which occurs along the coastline of Australia. Its breeding habitat extends around the northern coast of Australia (including many offshore islands) from Albany in Western Australia to the east coast of Australia. The species is rare to uncommon in southern Western Australia. It occurs in littoral and coastal habitats and terrestrial wetlands of tropical and temperate Australia and offshore islands (DotE 2015b).	Present This species preferred habitat is not present within the survey areas; however survey areas 9, 10 and 11 are situated near the coastline. This species is likely to fly and opportunistically may utilise portions of the habitat. Recorded flying over survey area 11.
<i>Pluvialis fulva</i> – Pacific Golden Plover	Mi	S5		<p>“In non-breeding grounds in Australia, this species usually occurs in coastal littoral and estuarine environments. It inhabits large intertidal sandflats or mudflats in sheltered bays, harbours and estuaries, and occasionally sandy ocean beaches, coral reefs, wave-cut rock platforms and rocky outcrops. It also sometime occurs in short saltmarsh or among mangroves. The species also inhabits saltworks and near-coastal saltpans, brackish swamps and sandy or silt islands in river beds. In north-western Australia, the species appears to use the Port Hedland saltworks in preference to nearby beaches. The species is seldom recorded away from the coast, at margins of lakes, soaks and swamps associated with artesian bores. On its breeding grounds it occurs in alpine valleys (DotE 2015b).</p> <p>“The species does not breed in Australia. Breeding grounds are characterised by being at high elevations, above the tree-line, in tundra on steppes and in flat, barren valleys and basins; usually in boggy areas, such as the margins of a lake or a bog, or in channelised areas of the upper reaches of rivers (DotE 2015b).</p>	Unlikely The survey areas are situated away from estuarine habitats and do not comprise of its prefer habitat.
<i>Pluvialis squatarola</i> – Grey Plover	Mi	S5		The Grey Plover is a medium-sized (length: 27–31 cm; weight: 250 g) plover with long legs and a short, stout bill. In non-breeding grounds in Australia, Grey Plovers occur almost entirely in coastal areas, where they usually inhabit sheltered embayments, estuaries and lagoons with mudflats and sandflats, and occasionally on rocky coasts with wave-cut platforms or reef-flats, or on reefs within muddy lagoons. They also occur around terrestrial wetlands such as near-coastal lakes and swamps, or salt-lakes. The species is also very	Unlikely This species preferred habitat was not recorded within the survey areas. Nearest record 19 km south-east of survey area 9.

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				occasionally recorded further inland, where they occur around wetlands or salt-lakes. On their breeding grounds they inhabit tundra (DotE 2015).	
<i>Merops ornatus</i> – Rainbow Bee-eater	Mi	S5		The Rainbow Bee-eater is a medium-sized bird, and the only species of bee-eater in Australia. The Rainbow Bee-eater is distributed across much of mainland Australia, and occurs on several near-shore islands. The species inhabits open forests and woodlands, shrublands, and in various cleared or semi-cleared habitats, including farmland and areas of human habitation. It also inhabits sand dune systems in coastal areas and at inland sites that are in close proximity to water (DotE 2015b).	<p>Present</p> <p>This species can inhabit a variety of habitat types and mainly foraging habitat was present within the survey areas. These habitats adjoin larger similar habitat within the local region. Only marginal breeding habitat was recorded within survey area 10 and 11, associated within the banks of the creekline; however, limestone gravel and boulders were imbedded within the banks.</p> <p>This species was recorded flying over survey area 11.</p>
<i>Sterna caspia</i> – Caspian Tern	Mi	S5		Widespread in coastal regions, from the Great Australian Bight to the Dampier Peninsula. There are sparse records on the coasts east of King Sound and in eastern regions. Breeding occurs from the Recherche Archipelago to Dirk Hartog Island and Faure Island in Shark Bay, and also in the Pilbara region from around Point Cloates to North Turtle Island, and more rarely, in the Kimberley (DotE 2015b).	<p>Unlikely</p> <p>Restricted to coastal islands.</p>
<i>Sterna dougallii</i> – Roseate Tern	Mi	S5		“In Western Australia, the subspecies is regularly recorded north from Mandurah to around Eighty Mile Beach, in the Pilbara Region. Around the Kimberley coastline, the subspecies occurs at scattered sites, north to the Bonaparte Archipelago and possibly further. Records in south-west Western Australia indicate that the subspecies used to be a sporadic visitor to the region, but occurs regularly at present. In addition, breeding colonies have been established on Lancelin Island and Second Rock, off Western Australia. In Western Australia, the subspecies is regularly recorded north from Mandurah to around Eighty Mile Beach, in the Pilbara Region. Around the Kimberley coastline, the subspecies occurs at scattered sites, north to the Bonaparte Archipelago and possibly further. Records in south-west Western Australia indicate that the subspecies used to be a sporadic visitor to the	<p>Unlikely</p> <p>Restricted to coastal islands.</p>

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				<p>region, but occurs regularly at present. In addition, breeding colonies have been established on Lancelin Island and Second Rock, off Western Australia. The Roseate Tern occurs in coastal and marine areas in subtropical and tropical seas. The species inhabits rocky and sandy beaches, coral reefs, sand cays and offshore islands. Birds rarely occur in inshore waters or near the mainland, usually venturing into these areas only accidentally, when nesting islands are nearby (DotE 2015b).</p> <p>“The Roseate Tern is usually associated with coral reefs, where foraging may occur along the seaward margin, within reef lagoons, or over the reef itself. The species may also forage around islands on the continental shelf, either in lagoons or offshore. They are rarely recorded foraging in shallow sheltered inshore waters (DotE 2015b).</p>	
<i>Sterna nereis</i> subsp. <i>nereis</i> - Fairy Tern	Vu	S3		<p>“Fairy Tern (Australian) nests on sheltered sandy beaches, spits and banks above the high tide line and below vegetation. The subspecies has been found in embayments of a variety of habitats including offshore, estuarine or lacustrine (lake) islands, wetlands and mainland coastline. The bird roosts on beaches at night (DotE 2015b).</p>	<p>Unlikely</p> <p>No suitable habitat present.</p> <p>Nearest record is 10 km south-east of survey area 9 and occurs on a coastal island.</p>
<i>Tringa nebularia</i> – Common Greenshank	Mi	S5		<p>“The Common Greenshank is generally absent from the Western Deserts although there are a few records from the Great Sandy Desert and the Nullarbor Plain. It occurs around most of the coast from Cape Arid in the south to Carnarvon in the north-west. In the Kimberleys it is recorded in the south-west and the north-east, with isolated records from the Bonaparte Archipelago. The Common Greenshank is found in a wide variety of inland wetlands and sheltered coastal habitats of varying salinity. It occurs in sheltered coastal habitats, typically with large mudflats and saltmarsh, mangroves or seagrass. Habitats include embayments, harbours, river estuaries, deltas and lagoons and are recorded less often in round tidal pools, rock-flats and rock platforms. The species uses both permanent and ephemeral terrestrial wetlands, including swamps, lakes, dams, rivers, creeks, billabongs, waterholes and inundated floodplains, claypans and saltflats. It will also use artificial wetlands, including sewage farms and saltworks dams, inundated rice crops and bores. The edges of the wetlands used are generally of mud or clay, occasionally of sand, and may be bare or with emergent or fringing vegetation, including short</p>	<p>Likely</p> <p>Suitable habitat was recorded within survey area 9, Frankia flats vegetation type which this taxon occasionally use. This habitat has varying level of disturbances, generally associated with the Minilya-Exmouth Road and pastoral practices. This species is unlikely to rely upon this habitat, with nearby coastal estuarine habitat offering more suitable habitat.</p> <p>The nearest record is 12 km South-west of survey area 9 (DPaW 2015c)</p>

Species	EPBC Act Status	WC Act Status	DPAW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				sedges and saltmarsh, mangroves, thickets of rushes, and dead or live trees. It was once recorded with Black-winged Stilts (<i>Himantopus himantopus</i>) in pasture, but are generally not found in dry grassland (DotE 2015b).	
Mammals					
<i>Petrogale lateralis</i> subsp. <i>lateralis</i> – Black-flanked Rock-wallaby	Vu	S2		The habitat of Black-flanked Rock-wallaby varies between colonies but always involves grassland feeding habitat for feeding in close proximity to cliff, rock-pile, talus or escarpment refuge habitat. Rock cliffs or other steep substrates with adequate shelter and refuge are essential for breeding. Examples of habitat include limestone outcrops and coastal cliffs on Barrow Island, the gorge of the Murchison River in Kalbarri National Park, granite outcrops in the wheatbelt, and granite outcrops, sandstone cliffs and gabbro rock piles on Depuch Island (DotE 2015b).	Unlikely No suitable habitat identified within the survey areas.
<i>Dasyurus hallucatus</i> – Northern Quoll	En	S2		The Northern Quoll once occurred across the majority of northern Australia but its range has significantly contracted. It occurs in the Pilbara region but in disjunct populations. The Northern Quoll inhabits a range of vegetation associations but is especially abundant on dissected rocky escarpment and eucalypt woodland within 200 km of the coast. It is known to den in rock crevices and rock piles and favors rocky areas. They are predominantly nocturnal but are occasionally active during the day, particularly during the mating season and are known to have a large home range (DotE 2015b).	Highly unlikely No suitable habitat identified within the survey areas. Nearest record 40 km north of survey area 11 on South Murion Island (DPaW 2015c).
<i>Mesembriomys macrurus</i> – Golden-backed Tree-rat	Vu		P4	“This species is endemic to Australia, where it is now restricted to coastal areas in the Kimberley region of Western Australia and the offshore islands of Carlia, Conilurus (Margaret), Hidden, Uwins and Wollaston. The species was formerly distributed across much of northern Australia. It was last recorded from Northern Territory in 1969” (DotE 2015b).	Highly Unlikely This taxon is considered locally extinct. Five records were identified approximately 7 km from survey area 9. All five records were observed as fossils (skull/bones) (DPaW 2015c).
<i>Phascogale calura</i> – Red-tailed Phascogale	En	S6		“Extant populations of the Red-tailed Phascogale are restricted to remnants of native vegetation throughout the wheat belt of south-western Western Australia. They have been recorded from as far north as Beverly (south-east of Perth). Recent surveys have extended the eastern range of the species slightly to include Fitzgerald River National Park, but several populations	Highly Unlikely This taxon is considered locally extinct. The only record of this species is 11 km west of survey area 9 in Cape Range

Species	EPBC Act Status	WC Act Status	DPaW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				present in the 1970s have not been relocated. Isolated reserves as small as 67 ha are able to support populations of this species (DotE 2015b).	National Park. Only Skull/bones of this species was collected.
<i>Pseudomys chapmani</i> – Western Pebble-mound Mouse			P4	The Western Pebble-mound Mouse is restricted to the Pilbara region where it is recognised as an endemic species. Habitat for the Western Pebble-mound Mouse can be found on stony hillsides with hummocky grasslands and little or no soil. It constructs large mounds of pebbles on stony slopes which cover an area of 0.5-9.0 square metres. ‘Active’ mounds are characterized by volcano-like cones capped by ‘craters’ that mark occluded entrances to subterranean burrow systems in which the mice live, often gregariously (Van Dyck and Strahan 2008).	Unlikely No suitable habitat identified within the survey areas. Nearest record 10 km west of survey area 9 (DPaW 2015c).
<i>Pseudomys fieldi</i> – Shark Bay Mouse	Vu	S3		“Shark Bay Mouse naturally occurs only on Bernier Island, Shark Bay, Exmouth Gulf in Western Australia, Australia. This species is largely found in beach spinifex and Olearia shrubs on coastal sand dunes. It is occasionally found in areas of heathland and mangrove. The species lives within very shallow burrows. Females give birth to a litter of three or four young after a gestation period of around 28 days (DotE 2015b).	Unlikely No suitable habitat present within the Project. The nearest record is 9 km west of survey area 9, in Cape Range National Park (DPaW 2015c).
<i>Rhinonicteris aurantia</i> (Pilbara form) – Pilbara Leaf-nosed Bat	Vu	S3		The Pilbara Leaf-nosed Bat roosts in deep caves or mines in the wet season and forages nearby. This species occurs in the Pilbara region where its populations are scattered and localised. There are a few known populations of this species in the western Pilbara, roosting in caves formed in gorges that dissect massive siliceous sedimentary geology. It is most often observed in flight over waterholes in gorges. Optimal roosts are thought to occur in caves that form between ascending rock layers, where humidity is maintained from seeping groundwater. Roosts are commonly located over pools of water, or areas deep within the mine or cave structure which provides elevated temperature and humidity. Foraging habitat includes: Triodia hummock grasslands covering low rolling hills and shallow gullies, with Eucalyptus camaldulensis along the creeks; over small watercourses throughout granite boulder terrain; over pools and low shrubs in ironstone gorges; and in and around gravelly watercourses with Melaleuca leucodendron (DotE 2015b).	Highly Unlikely No suitable habitat present. The nearest record is 21 km west of survey area 10, in Cape Range National Park (DPaW 2015c).
<i>Sminthopsis longicaudata</i> – Long-tailed Dunnart			P4	The Long-tailed Dunnart occurs throughout the Gibson Desert, Murchison, southern Canarvon Basin and the Pilbara in Western Australia. Its habitat includes rugged, rocky areas with hummock grasses, shrubs and tall open	Unlikely No suitable habitat was recorded from the survey areas. The nearest records are 9

Species	EPBC Act Status	WC Act Status	DPaW Status	Ecology, distribution and habitat requirements	Likelihood of Occurrence assessment
				shrublands and woodlands. In the Young Range in the Gibson Desert, the Long-tailed Dunnart has been found to be associated with plateau's, composed of boulders and stones, with some fine red soils, and sparsely vegetated Mulga (<i>Acacia aneura</i>) and Miniritchie (<i>A. grasbyi</i>) shrubs over spinifex (Van Dyck and Strahan 2008).	km west of survey area 9, in Cape Range National Park. These records indicate that this species once occupied the area and include bones, and skulls.
<i>Zyzomys pedunculatus</i> – Central Rock-rat	En	S1		“The Central Rock-rat has irruptive demography where population density increases following rainfall events. No records of the Central Rock-rat were made between 1960 and 1996, and the species was presumed extinct. Since 1996 all collections have been made along a 77 km strip of the West MacDonnell Ranges, west of Alice Springs, in the Northern Territory (NT)” (DotE 2015b).	Highly Unlikely The nearest record is 10 km west of survey area 9, in Cape Range National Park. It is likely that this taxon prefers caves and gorges within the Cape Range National Park. The records present are historical and the species it not known to be present in the region.
Reptiles					
<i>Aprasia rostrata</i> subsp. <i>rostrata</i> – Hermite Island Worm-lizard	Vu	S3		“This species is known only from Hermite I., Monte Bello Group, NW WA. Collected on a single occasion in 1952, not recorded in surveys in 1914 or 1970. The first systematic surveys of the Monte Bello I. Group involved pitfall trapping in 1994. In that year 11 trap sites were established and run between 22 May and 7 June on nine islands: Hermite, Ah Chong, Alpha, Bluebell, Brooke, Crocus, Delta, North West, and Primrose. Despite this trapping and searching in litter, soil, and under debris, no specimens were found” (DotE 2015b).	Likely Records immediately adjacent to the survey areas 7 and 8. There are also records 5 km north of survey areas 5 and 6. (Collection record yr. 2000) (DPaW 2015c)
<i>Lerista allochira</i> -Cape Range Slider			P3	The Cape Range Slider is endemic to the northwest cape of Western Australia. It inhabits dissected limestone gorges and plateaux on the North West Cape (Wilson and Swan, 2003).	Unlikely No suitable habitat identified within the survey areas. Nearest record 7 km west of survey area 10, associated within the Cape Range National Park (DPaW 2015c).
<i>Diplodactylus capensis</i> - Cape Range Stone Gecko			P2	The Cape Range Stone Gecko is endemic to the northwest cape of Western Australia. This taxon inhabits hard, rocky limestone substrate. The Cape Range Stone Gecko is distinguished from the Pilbara stone gecko by its “light reddish brown dorsal colouration with pale continuous dorsal stripe with traverse bars” (Doughty et. al., 2008).	Likely Suitable habitat present in a portion of the survey area 11. The nearest record, 3 km west of survey area 11 (DPaW 2015c)

WC Act	<i>Wildlife Conservation Act (WA) status</i>
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Federal)</i>
NatureMap	NatureMap desktop search (DPaW, 2007-)
PMST	Protected matters search tool (DotE) 2015b
M	Migratory species protected under EPBC Act
V	Vulnerable, E Endangered
P4	Priority 4 protection under schedule 3 of WC Act
Sx	Protected under Schedules of WC Act

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Table 25 Recorded fauna during the field survey

Family	Genus	Species	Common Name	Status	SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8	SA 9	SA 10	SA 11
Birds															
Acanthizidae	<i>Calamanthus</i>	<i>campestris</i>	Rufous Fieldwren						x						
Accipitridae	<i>Aquila</i>	<i>audax</i>	Wedge-tailed Eagle		x										
Accipitridae	<i>Elanus</i>	<i>axillaris</i>	Black-shouldered Kite						x	x		x	x		
Accipitridae	<i>Haliastur</i>	<i>sphenurus</i>	Whistling Kite		x		x	x		x				x	x
Accipitridae	<i>Hieraaetus</i>	<i>morphnoides</i>	Little Eagle								x				
Accipitridae	<i>Milvus</i>	<i>migrans</i>	Black Kite		x										
Accipitridae	<i>Pandion</i>	<i>haliaetus</i>	Osprey	Mi; S5											x
Artamidae	<i>Cheramoeca</i>	<i>leucosterna</i>	White-backed Swallow		x	x					x				
Artamidae	<i>Cracticus</i>	<i>nigrogularis</i>	Pied Butcherbird											x	x
Cacatiidae	<i>Cacatua</i>	<i>roseicapilla</i>	Galah		x				x		x	x	x		
Cacatiidae	<i>Cacatua</i>	<i>sanguinea</i>	Little Corella										x		
Cacatiidae	<i>Nymphicus</i>	<i>hollandicus</i>	Cockateil		x										
Campephagidae	<i>Coracina</i>	<i>novaehollandiae</i>	Black-faced Cuckoo-shrike		x		x		x			x			
Casuariidae	<i>Dromaius</i>	<i>novaehollandiae</i>	Emu							x		x			x
Cinclosomatidae	<i>Psophodes</i>	<i>occidentalis</i>	Chiming Wedgebill		x	x	x								
Columbidae	<i>Geopelia</i>	<i>cuneata</i>	Diamond Dove										x		
Corvidae	<i>Corvus</i>	<i>bennetti</i>	Little Crow		x	x	x			x	x				
Corvidae	<i>Corvus</i>	<i>orrus</i>	Torresian Crow											x	x
Cuculidae	<i>Chrysococcyx</i>	<i>basalis</i>	Horsfield's Bronze Cuckoo											x	x
Dicruridae	<i>Grallina</i>	<i>cyanoleuca</i>	Magpie-lark											x	x
Estrilidae	<i>Taeniopygia</i>	<i>guttata</i>	Zebra Finch		x		x		x				x		
Falconidae	<i>Falco</i>	<i>berigora</i>	Brown Falcon								x				x
Falconidae	<i>Falco</i>	<i>cenchroides</i>	Australian Kestrel			x		x				x			x
Falconidae	<i>Falco</i>	<i>longipennis</i>	Australian Hobby								x				

Family	Genus	Species	Common Name	Status	SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8	SA 9	SA 10	SA 11
Halcyonidae	<i>Todiramphus</i>	<i>sanctus</i>	Sacred Kingfisher				x								
Hirundinidae	<i>Petrochelidon</i>	<i>nigricans</i>	Tree Martin						x	x	x				x
Locustellidae	<i>Megalurus</i>	<i>cruralis</i>	Brown Songlark						x	x					x
Maluridae	<i>Amytornis</i>	<i>striatus</i>	Striated Grasswren							x	x				
Maluridae	<i>Malurus</i>	<i>lamberti</i>	Variiegated Fairy-wren		x	x	x	x			x	x	x	x	
Maluridae	<i>Malurus</i>	<i>leucopterus</i>	White-winged Fairy-wren						x			x			
Meliphagidae	<i>Acanthagenys</i>	<i>rufogularis</i>	Spiny-cheeked Honey-eater		x							x	x		x
Meliphagidae	<i>Gavicalis</i>	<i>virescens</i>	Singing Honeyeater		x	x	x	x		x				x	x
Meliphagidae	<i>Manorina</i>	<i>flavigula</i>	Yellow-throated Miner		x		x			x	x		x	x	x
Meliphagidae	<i>Ptilotula</i>	<i>penicillatus</i>	White-plumed Honeyeater				x					x			x
Meropidae	<i>Merops</i>	<i>ornatus</i>	Rainbow Bee-eater	Mi; S5									x	x	x
Motacillidae	<i>Anthus</i>	<i>novaeeseelandiae</i>	Australasian Pipit				x		x	x	x	x	x		
Oreoicidae	<i>Oreoica</i>	<i>gutturalis</i>	Crested Bellbird		x	x								x	x
Otididae	<i>Ardeotis</i>	<i>australis</i>	Australian Bustard						x	x					
Pachycephalidae	<i>Pachycephala</i>	<i>rufiventris</i>	Rufous Whistler		x										
Psittaculidae	<i>Barnardius</i>	<i>zonarius</i>	Australian Ringneck		x										
Psittaculidae	<i>Melopsittacus</i>	<i>undulatus</i>	Budgerigar		x	x	x								
Turnicidae	<i>Turnix</i>	<i>velox</i>	Little Button Quail		x		x		x		x				
Mammals															
Bovidae	<i>Bos</i>	<i>taurus</i>	Cattle	*	x	x	x			x	x	x			
Bovidae	<i>Ovis</i>	<i>aries</i>	Sheep	*									x		
Canidae	<i>Vulpes</i>	<i>vulpes</i>	Red Fox	*									x		x
Dasyuridae	<i>Sminthopsis</i>	<i>macroura</i>	Stripe-faced Dunnart								x				
Felidae	<i>Felis</i>	<i>catus</i>	House Cat	*					x			x			
Leporidae	<i>Oryctolagus</i>	<i>cuniculus</i>	Rabbit	*						x	x	x	x		
Macropodidae	<i>Macropus</i>	<i>robustus</i>	Common Wallaroo		x	x	x			x	x		x	x	x

Family	Genus	Species	Common Name	Status	SA 1	SA 2	SA 3	SA 4	SA 5	SA 6	SA 7	SA 8	SA 9	SA 10	SA 11
Macropodidae	<i>Macropus</i>	<i>rufus</i>	Red Kangaroo		x										
Muridae	<i>Mus</i>	<i>musculus</i>	House Mouse	*	x		x		x		x				
Muridae	<i>Notomys</i>	<i>alexis</i>	Spinifex Hopping Mouse						x						
Trachyglossidae	<i>Tachyglossus</i>	<i>aculeatus</i>	Short-beaked Echidna				x								
Reptiles															
Agamidae	<i>Ctenophorus</i>	<i>isolepis</i> subsp. <i>isolepis</i>	Military Dragon						x	x	x				
Agamidae	<i>Ctenophorus</i>	<i>femoralis</i>	Long-tailed Sand Dragon								x				
Agamidae	<i>Gowidon</i>	<i>longirostris</i>	Long-nosed Dragon		x										
Agamidae	<i>Pogona</i>	<i>minor</i> subsp. <i>minor</i>	Dwarf Bearded Dragon								x				
Carphodactylidae	<i>Nephrurus</i>	<i>levis</i> subsp. <i>occidentalis</i>	Western Smooth Knob-tailed Gecko							x	x				
Diplodactylidae	<i>Lucasium</i>	<i>stenodactylum</i>	Sand-plain Gecko									x			
Elapidae	<i>Demansia</i>	<i>psammophis</i> subsp. <i>cupreiceps</i>	Yellow-faced Whipsnake							x		x			
Gekkonidae	<i>Heteronotia</i>	<i>Binoei</i>	Bynoe's Gecko							x					
Scincidae	<i>Ctenotus</i>	<i>uber</i> subsp. <i>uber</i>	Spotted Ctenotus				x		x						
Scincidae	<i>Cyclodomorphus</i>	<i>melanops</i>	Spinifex Slender Blue-tongue							x					
Scincidae	<i>Ctenotus</i>	<i>saxatalis</i>	Rock Ctenotus								x				
Scinidae	<i>Egernia</i>	<i>depressa</i>	Southern Pygmy Spiny-tailed Skink				x								
Scinidae	<i>Lerista</i>	<i>bipes</i>	North-western Sandslider						x			x			
Scinidae	<i>Lerista</i>	<i>planiventralis</i> subsp. <i>planiventralis</i>	Keeled Slider						x	x		x			
Varanidae	<i>Varanus</i>	<i>gouldii</i>	Sand Goanna							x	x		x		

* introduced species

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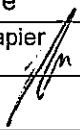
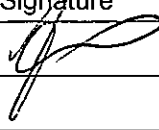
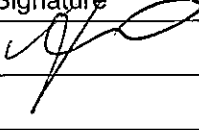
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