From:

Sent: Wednesday, 4 June 2014 8:58 AM

**To:** EPA Registrar

Cc:

**Subject:** CPS6100/1 - Shire of Murray - Fiegert Road reserve, Barragup - Direct Interest

Email - Clearing of Native Vegetation

Attachments: CPS 6100\_1 - application form 2pg excert.pdf; CPS 6100\_1 - Map.pdf; CPS 6100\_1 -

Context Map.pdf; CPS 6100\_1 - Desktop assessment.docx; Nature Map Report.pdf

Dear Mr Anthony Sutton

### REFERRAL OF A PROPOSAL TO THE ENVIRONMENTAL PROTECTION AUTHORITY UNDER SECTION 38(5) OF THE ENVIRONMENTAL PROTECTION ACT 1986

The Department of Environment Regulation (DER) has recently received an application from the Shire of Murray to clear 1.31 hectares of native vegetation within Fiegert Road reserve, Barragup, for the purpose of road construction.

As the proposed clearing is within an area subject to Environmental Protection Swan Coastal Plain Lakes Policy 1992, DER is required to refer the application to the EPA. It also falls within the Environmental Protection (Peel Harvey Inlet) Policy 1992 and the Environmental Protection Bulletin No 12, Swan Bioplan – Peel Regionally Significant Natural Areas (Peel RSNA's).

Copies of the application, desktop assessment, context map and map of the application area are attached for your information.

Yours sincerely

Manager Clearing Regulation

Officer delegated under Section 20 of the Environmental Protection Act 1986

Attachments: Map of Proposal

Context map

Application Form Excerpt

# Desktop Assessment – CPS 6100/1 – Shire of Murray – Road construction

DPaW Region: Swan District: Swan Coastal IBRA: Swan Coastal Plain LGA: Shire of Murray Local Area: 10 km

The application is to clear 1.31 hectares of native vegetation within Fiegert Road reserve, Barragup, for the purpose of road construction.

### Vegetation description

Mapped Beard vegetation association:

968 Medium woodland; jarrah, marri and wandoo

1000 Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree (Melaleuca spp.)

Mapped Heddle vegetation complex, Bassendean complex central and/South:

Vegetation ranges from woodland of Eucalyptus marginata (Jarrah) - Allocasuarina fraseriana (Sheoak) - Banksia species to low woodland of Melaleuca species, and sedgelands on the moister sites. This area includes the transition of Eucalyptus marginata (Jarrah) to Eucalyptus todtiana (Pricklybark) in the vicinity of Perth.

### Principle (a)

TPFL Priority Flora recorded within the local area.

TAXON	CONSCODE	Number of Records
Acacia aristulata	Т	4
Acacia cochlocarpa subsp. cochlocarpa	Т	1
Acacia cummingiana	;	3 2
Anigozanthos humilis subsp. Badgingarra (S.D. Hopper 7114)	2	2 1
Banksia dallanneyi subsp. pollosta	;	3 1
Calytrix ecalycata subsp. pubescens	•	1 1
Diuris recurva	4	4 3
Eremophila scaberula	Т	10
Eucalyptus x carnabyi	4	1
Gastrolobium rotundifolium	;	3 2
Hemiandra gardneri	Т	1
Hemigenia curvifolia	2	2 4
Melaleuca sclerophylla	;	3 2
Pertusaria trachyspora	2	2 1
Petrophile biternata	;	3 1
Verticordia insignis subsp. eomagis	;	3 1

### WAHerb Priority Flora recorded within the local area.

TAXON	CONSCODE	Number of Records
Acacia benthamii	2	2 4
Acacia lasiocarpa var. bracteolata long peduncle variant(G.J.Keighery 5026)	2	2 1
Blennospora doliiformis	3	3 2
Caladenia speciosa	2	1
Cardamine paucijuga	2	2 1
Centrolepis caespitosa	2	1
Conostylis pauciflora subsp. pauciflora	2	1
Cyathochaeta teretifolia	3	3 1
Dillwynia dillwynioides	3	3 13
Dillwynia dillwynioides	3	3 13
Diuris drummondii	Т	2
Diuris micrantha	Т	1
Diuris purdiei	Т	1

TAXON	CONSCODE Number of R	ecords
Drakaea elastica	Т	8
Drosera occidentalis subsp. occidentalis	4	3
Eryngium sp. Ferox (G.J. Keighery 16034) PN	3	1
Grevillea manglesii subsp. ornithopoda	2	1
Johnsonia pubescens subsp. cygnorum	2	1
Lasiopetalum membranaceum	3	1
Microtis quadrata	4	1
Myriophyllum echinatum	3	1
Ornduffia submersa	4	1
Parsonsia diaphanophleba	4	2
Schoenus natans	4	1
Stylidium longitubum	3	3
Synaphea stenoloba	Т	5
Tripterococcus paniculatus	4	1
Trithuria australis	4	1
TEC's/PEC's located within 15 kilometers of the application area		
Community Name	CT_DESC	Number of Sites
Herb rich saline shrublands in clay pans	Vulnerable	9
Dense shrublands on clay flats	Vulnerable	2
Shrublands on dry clay flats	Endangered	1
Forests and woodlands of deep seasonal wetlands of the Swan Coastal Plain	Vulnerable	4
Sedgelands in Holocene dune swales of the southern Swan Coastal Plain	Critically Endangered	27
Woodlands over sedgelands in Holocene dune swales of the southern Swan Coast	al Plain Critically Endangered	14
Northern Spearwood shrublands and woodlands	Priority 3	2
Coastal shrublands on shallow sands	Priority 3	3
Eucalyptus calophylla - Kingia australis woodlands on heavy soils, Swan Coastal P	lain Critically Endangered	2

### Principle (b)

NatureMap report attached.

The application area falls within a mapped Carnaby's cockatoo feeding area and within 3km and 7km of confirmed roost areas.

A SWREL linkage runs through the center of the application area.

### Principle (c)

TPFL rare flora recorded within the local area.

TAXON	CONSCODE	RANK	Number of Sites
Acacia aristulata	Т		4
Acacia cochlocarpa subsp. cochlocarpa	Т		1
Eremophila scaberula	Т		10
Hemiandra gardneri	Т		1
Diuris drummondii	Т		2
Diuris micrantha	Т		1
Diuris purdiei	Т		1
Drakaea elastica	Т		8

### Principle (d)

TEC's/PEC's located within 15 kilometers of the application area Community Name	CT_DESC	Number of Sites
Herb rich saline shrublands in clay pans	Vulnerable	9
Dense shrublands on clay flats	Vulnerable	2
Shrublands on dry clay flats	Endangered	1
Forests and woodlands of deep seasonal wetlands of the Swan Coastal Plain	Vulnerable	4
Sedgelands in Holocene dune swales of the southern Swan Coastal Plain	Critically Endangered	27
Woodlands over sedgelands in Holocene dune swales of the southern Swan Coastal Plain	Critically Endangered	14

### Principle (e)

Vegetation remaining in the local area	: 15 percent			
	Pre-	Current		Extent in DEC
	European	Extent	Remaining	Managed Lands
	(ha)	(ha)	(%)	(%)
IBRA Bioregion				
Swan Coastal Plain	1,501,221	586,975	39	36
Shire				
Shire of Murray	170,583	92,201	54	83
Beard Vegetation Association within Biore	gion			
968	136,188	9,795	7	16
1000	94,175	24,972	26	17
Heddle Vegetation Complex				
Bassendean complex central and/South	87,318	24,610	28	3

### Principle (f)

The application area falls within a Conservation Category and Multiple use wetland.

Nambeelup Brook, a major perennial watercourse, runs through the application area.

The application area is located approximately 500m from Black lake, feeding into the Serpentine River and in close proximity to the Peel Inlet.

### Principle (g)

Groundwater salinity is mapped between 1000-3000 TDS mg/L.

Soils within the application area are mapped as Cb39 (Northcote et. al.):

The application area falls within a Conservation Category wetland along a perennial watercourse.

### Principle (h)

The application area falls adjacent to an un-named C Class nature reserve associated with Black Lake and the Serpentine River. Crown Land with departmental interest also falls adjacent to the application area.

### Principle (i)

The application may impact on the watercourses running through the application area.

### Principle (j)

Flooding is not likely to be an issue.

### Planning and other relevant matters

Two aboriginal sites of significance intersect the application area.

The application area falls within the EPP Peel Harvey Inlet policy and EPP, SCP Lakes policy.



Department of Environment and Conservation - Department of Mines and Petroleum

CPS No.

### Application for a clearing permit (purpose permit) Environmental Protection Act 1986 s 51E

### FORM C2

Clearing of native vegetation is prohibited in Western Australia except where a clearing permit has been granted or an exemption applies. A person who causes or allows unauthorised clearing

Date stamp

### Part 1 Land details

The location of the land where clearing is proposed must be accurately described.

Land description: Volume and Folio number, Lot or location number(s). Crown Lease or Reserve number, Pastoral Lease number or Mining Tenement number of all properties where clearing is proposed.

Fiegert Road.

Unnumbered reserve, please see attachments for location details,

DEPARTMENT BEFFRENDAMENT REGULATION

30 APR 2014

Local government area

Shire of Murray

### Part 2 Proposal

An aerial photograph or map with a north arrow must be attached, clearly marking the area proposed to be cleared.

If you have the facilities, a digital map on CDROM of the area to clear in one of the following formats:

- 1. ESRI Shapefile with the following properties:
- · Geometry Type: Polygon shape Coordinate System: GCS
- GDA 1994 (Geographic latitude/longitude) • Datum: GDA 1994
- (Geocentric Datum of Australia 1994).
- 2. Autocad 2000 or earlier; or 3. Microstation 8 or earlier

Total area of clearing proposed (hectares)

1.31 hectares

Proposed method of clearing

Mechanical

Period within which clearing is proposed to be undertaken, e.g. May 2010-June 2010

Within the next 5 years

Purpose of clearing

Currently Fiegert Road has an uncompleted section of 670 metres. This section of road needs to be completed to enable a north-south linkage of communities in light of a new subdivision to the south.

#### Part 3 Applicant

To apply for a permit you must either be:

- · the landowner; or
- · have the authority of the landowner to access the land and undertake the clearing.

If granted, the permit will be issued in the name of the applicant.

Are you applying as an individual, a company or an incorporated body? - Enter details for one

An individual - applicant's given names, Family name and title (Mr, Mrs, Ms, etc)

A company or incorporated body name (Note: companies must supply an Australian Company Number - ACN )

Shire of Murray: 16036156261

#### Ownership of land

A landowner can be:

- · a person who holds the Certificate of Title:
- · a person who is the lessee of Crown land, or
- · a public authority that is responsible for care of the land.

Full name of all landowners as they appear on the Certificate of Title (please print)

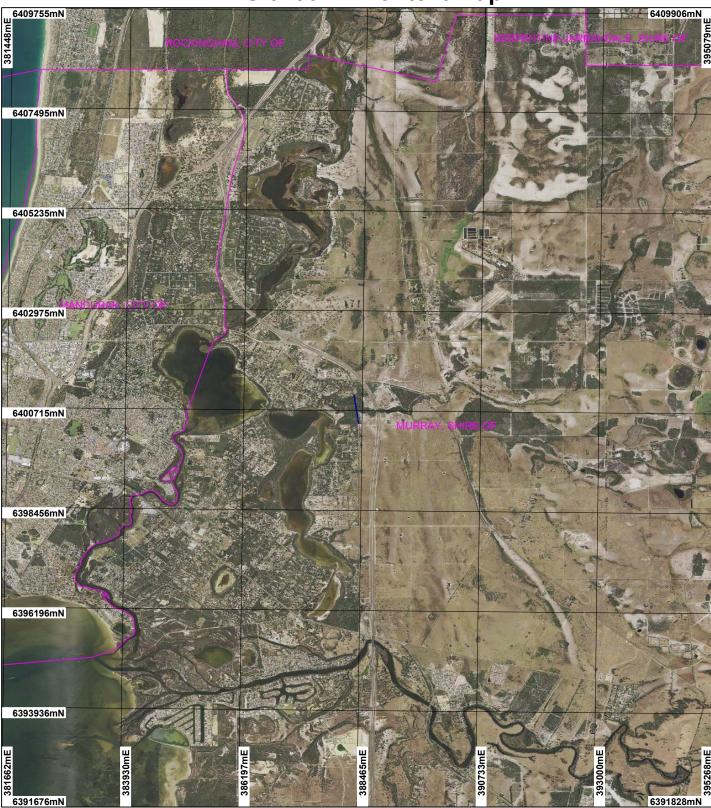
(1) Crown Land for the purpose of road construction.

(2)

If more than one Certificate of Title, please include details on a separate sheet.

Authority to access land Please specify the applicant's authority to access land to be cleared. For example, a letter from Department of Planning, a Statutory power or letter of authority from the landowner.  Note: the letter of authority must explicitly state the applicant has authority to clear on the said land.	State nature of authority to access land (please attach copy of authority)
Contact details  Person with whom Department of Environment and Conservation or Department of Mines and Petroleum should liaise concerning the clearing application.  *If applying as a company or incorporated body, please also supply the registered business office address.	Given names, family name and title (Mr, Mrs, Ms, etc)  Postal / Business address*  Postal  Business  Fixed telephone number  Mobile telephone number
Part 4 Declaration and signature	Fax number Email
For your application to be accepted, it must be signed either on behalf of the company or as an individual.  By signing this form you are declaring that the statements on this form are true and correct. Providing false or misleading information is an offence under s112 of the Environmental Protection Act 1986.	Please indicate if you are signing as an individual or a company:  An individual. If an individual landowner is applying, all landowners must sign this form.  or  A company. A person duly authorised to sign for an on behalf of the incorporated body or company must sign this form. If your company is required to use a common seal, you must affix this seal and have this application signed by an authorised director(s) in accordance with the Corporations Law.  Has this clearing application or any related matter been referred to the Environmental Protection Authority (EPA)? Yes ✓ No  Signature(s)  Date  2A/A/2014.
	Print name(s)  (1) Alan Smith (2)  Position (e.g. Director, Secretary, Consultant etc)  (1) Director Technical Services (2)

### CPS 6100/1 - Context Map

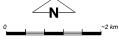


### **LEGEND**

Cadastre Local Government Authorities\_1

Clearing Instruments

Areas Applied to Clear
Perth Metropolitan Area
South 15cm Orthomosaic -



Scale 1:80000

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: jarenh Prepared for: Date: 14/05/2014 9:54:26 AM

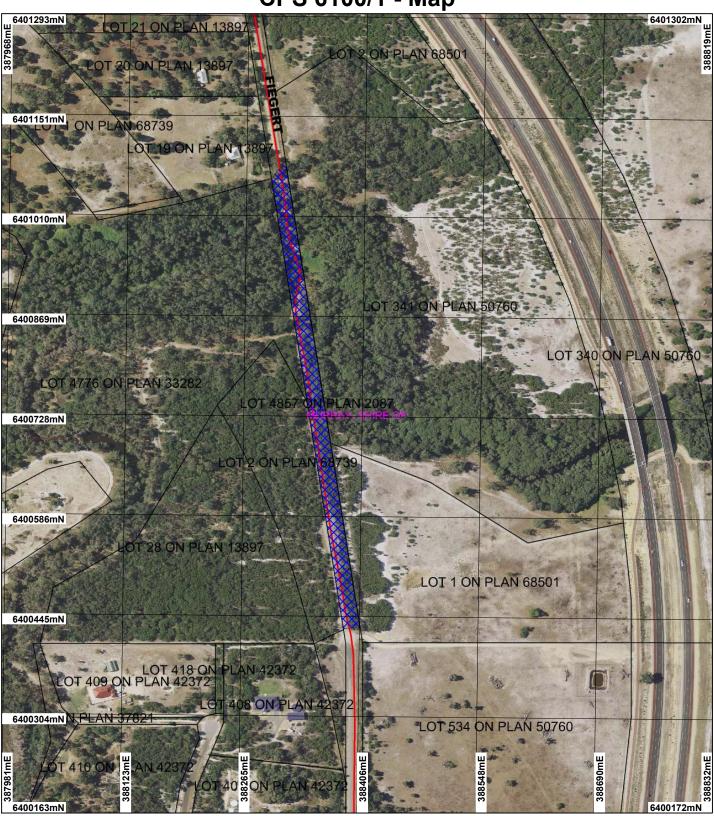
Information derived from this map should be confirmed with the data custodian acknowleged by the agency acronym in the legend.



Government of Western Australia
Department of Environment Regulation

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### **CPS 6100/1 - Map**

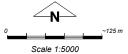


### **LEGEND**

Road Centrelines Cadastre Local Government Authorities\_1 Clearing Instruments

Areas Applied to Clear

Perth Metropolitan Area South 15cm Orthomosaic -Landgate 2012



(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: jarenh Prepared for: Date: 14/05/2014 9:44:24 AM

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Government of Western Australia
Department of Environment Regulation

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## **NatureMap Species Report**

### Created By Guest user on 30/05/2014

Kingdom Animalia

Conservation Status Conservation Taxon (T, X, IA, S, P1-P5)

**Current Names Only** Yes

Core Datasets Only Yes

Method 'By Circle'

Centre 115°48' 39" E,32°31' 27" S

Buffer 20km

Group By Conservation Status

Conservation Status	Species	Records
Rare or likely to become extinct	23	346
Protected under international agreement	28	673
Other specially protected fauna	4	11
Priority 1	2	7
Priority 3	3	18
Priority 4	7	32
Priority 5	2	392
TOTAL	69	1479

	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
re or like	elv to bed	come extinct			
1.	-	Balaenoptera physalus (Fin Whale)		Т	
2.	24162	Bettongia penicillata subsp. ogilbyi (Woylie, Brush-tailed Bettong)		Т	
3.		Botaurus poiciloptilus (Australasian Bittern)		Т	
4.	24784	Calidris ferruginea (Curlew Sandpiper)		Т	
5.	24790	Calidris tenuirostris (Great Knot)		Т	
6.	24731	Calyptorhynchus banksii subsp. naso (Forest Red-tailed Black-Cockatoo)		Т	
7.	24733	Calyptorhynchus baudinii (Baudin's Cockatoo (long-billed black-cockatoo), Baudin's Cockatoo)		Т	
8.	24734	Calyptorhynchus latirostris (Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo)		Т	
9.	25335	Caretta caretta (Loggerhead Turtle)		Т	
10.	24372	Charadrius leschenaultii subsp. leschenaultii (Greater Sand Plover (Mongolian))		T	
11.	25576	Charadrius mongolus (Lesser Sand Plover)		T	
12.	24092	Dasyurus geoffroii (Chuditch, Western Quoll)		Т	
13.	24043	Eubalaena australis (Southern Right Whale)		T	
14.	33917	Idiosoma nigrum (Shield-backed Trapdoor Spider)		T	
15.	24051	Megaptera novaeangliae (Humpback Whale)		T	
16.	24146	Myrmecobius fasciatus (Numbat, Walpurti)		T	
17.	24798	Numenius madagascariensis (Eastern Curlew)		T	
18.	24099	Phascogale tapoatafa subsp. tapoatafa (Southern Brush-tailed Phascogale, Wambenger)		Т	
19.	24462	Phoebetria fusca (Sooty Albatross)		Т	
20.	24777	Rostratula benghalensis subsp. australis (Australian Painted Snipe)		Т	
21.	24145	Setonix brachyurus (Quokka)		Т	
22.	24530	Sterna nereis subsp. nereis (Fairy Tern)		Т	
23.	34007	Thalassarche chlororhynchos (Atlantic Yellow-nosed Albatross)		Т	
otected	under inte	ernational agreement			
24.	41323	Actitis hypoleucos (Common Sandpiper)		IA	
25.	24334	Apus pacificus subsp. pacificus (Fork-tailed Swift)		IA	
26.	25558	Ardea ibis (Cattle Egret)		IA	
27.	41324	Ardea modesta (Eastern Great Egret)		IA	
28.	25736	Arenaria interpres (Ruddy Turnstone)		IA	
29.	24779	Calidris acuminata (Sharp-tailed Sandpiper)		IA	
30.	24780	Calidris alba (Sanderling)		IA	
31.	25738	Calidris canutus (Red Knot)		IA	
32.	24786	Calidris melanotos (Pectoral Sandpiper)		IA	
33.	24788	Calidris ruficollis (Red-necked Stint)		IA	
34.	24789	Calidris subminuta (Long-toed Stint)		IA	

NatureMap is a collaborative project of the Department of Environment and Conservation, Western Australia, and the Western Australian Museum.





56.         41641         Ctenotus ora (Coastal Plains Skink)         P1           57.         34030         Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147         Lerista lineata (Perth Slider, Lined Skink)         P3           59.         25249         Neelaps calonotos (Black-striped Snake)         P3           60.         24855         Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp))         P3           Priority 4           61.         24610         Ardeotis australis (Australian Bustard)         P4           62.         24376         Charadrius rubricollis (Hooded Plover)         P4           63.         24215         Hydromys chrysogaster (Water-rat)         P4           64.         24690         Macronectes giganteus (Southern Giant Petrel)         P4           65.         2413         Macropus irma (Western Brush Wallaby)         P4           66.         33992         Synemon gratiosa (Graceful Sunmoth)         P4           67.         34113         Westralunio carteri (Carter's Freshwater Mussel)         P4		Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
37.   30032 Limosa lapponica (Bar-tailed Godwit)   IA	35.	25575	Charadrius leschenaultii (Greater Sand Plover)		IA	
38.         25741. Limosa limosa (Black-lailed Godwil)         IA           39.         24588 Merops constitus (Fainflow Bee-ester)         IA           40.         25742 Numerina pheacopus (Winthmeter)         IA           41.         24943 Plegadis falcinellis (Glossy Ibls)         IA           42.         24932 Pluvialis fauturio (Grey Plover)         IA           43.         24383 Pluvialis quatterio (Grey Plover)         IA           44.         24716 Pullinus pacificus, (Medige-ialied Snearwater)         IA           45.         24517 Stenconsini, parasitius, Clarici Skulle)         IA           46.         25642 Stema inundo (Common Term)         IA           47.         24529 Stema leucoptera (White-winged Black Term)         IA           48.         24803 Tringa brevipes (Grey-raled Tattler)         IA           48.         24803 Tringa brevipes (Grey-raled Tattler)         IA           50.         24808 Tringa nobletina (Common Term)         IA           48.         24803 Tringa stagnastitis (Marsh Sandpiper)         IA           51.         24809 Tringa nobletina (Common Term)         IA           65.         25240 Morelia spilota subsp. morcrous (Australian Peregrine Falcon)         S           54.         25240 Morelia spilota subsp. morcrous (Australian Peregrine Falcon)	36.	24293	Haliaeetus leucogaster (White-bellied Sea-Eagle)		IA	
39.   24598   Merops omatus (Rainbow Bee-eater)	37.	30932	Limosa lapponica (Bar-tailed Godwit)		IA	
40.   25742   Numenius phaeopus (Whimbrel)   IA	38.	25741	Limosa limosa (Black-tailed Godwit)		IA	
41.   24843   Plegadis fatcinellus (Glossy bis)   IA     42.   24892   Pluvialis tuba (Pacific Golden Plover)   IA     43.   24838   Pluvialis quitarola (Grey Plover)   IA     44.   24716   Puttinus pacificus (Wedge-tailed Shearwater)   IA     45.   24517   Stercoraius parasiticus (Redge-tailed Shearwater)   IA     46.   25842   Sterma hirundo (Common Tern)   IA     47.   24529   Sterna hirundo (Common Tern)   IA     48.   24803   Tringa hereia (Whide-winged Black Tern)   IA     48.   24803   Tringa previoles (Grey-failed Tattler)   IA     49.   24805   Tringa glareia (Wood Sandpiper)   IA     50.   24805   Tringa glareia (Wood Sandpiper)   IA     51.   24809   Tringa stapnatilis (Marsh Sandpiper)   IA     52.   25824   Falco peregrinus (Peregrine Falcon)   S     53.   2475   Falco peregrinus subsp. macropus (Australian Peregrine Falcon)   S     54.   25240   Morelas guides subsp. macropus (Australian Peregrine Falcon)   S     55.   24210   Neophoca cinerea (Australian Sea Lion)   P1     56.   25410   Celenotus ora (Coastal Plains Skink)   P3     58.   25147   Lerista lineata (Perth Slider, Lined Skink)   P3     59.   25249   Neelaps calonotos (Block-striped Snake)   P3     59.   25249   Neelaps calonotos (Block-striped Snake)   P3     60.   2485   Tyto noveehollandiae subsp. novaehollandiae (Masked Owl (southern subsp))   P4     61.   24610   Ardeoits australis (Australian Bustard)   P4     62.   24376   Charadrius rubricollis (Hooded Plover)   P4     63.   24215   Hydromys chrysogaster (Weter-rel)   P4     64.   24610   Macronocces giganticus (Southern Giant Petrol)   P4     66.   2433   Macropus irms (Western Brush Walsby)   P4     66.   2433   Macropus irms (Western Brush Walsby)   P4     67.   2478   Soodon obesulus (Southern Brown Bandicoot)   P5	39.	24598	Merops ornatus (Rainbow Bee-eater)		IA	
42.   24382   Pluvialis fulva (Pacific Golden Plover)   IA	40.	25742	Numenius phaeopus (Whimbrel)		IA	
43.   24383   Pluvialis squatarola (Grey Plover)   IA	41.	24843	Plegadis falcinellus (Glossy Ibis)		IA	
44.   24716   Puffinus pacificus (Wedge-tailed Sheanwater)   IA     45.   24517   Stercorarius parasiticus (Arcic Skue)   IA     46.   25642   Sterma lauccoptera (White-winged Black Term)   IA     47.   24529   Sterma lauccoptera (White-winged Black Term)   IA     48.   24603   Tringa brevipses (Grey-tailed Tatler)   IA     49.   24806   Tringa gleroled (Wood Sandpiper)   IA     50.   24808   Tringa nebularia (Common Greenshank)   IA     51.   24809   Tringa stegnallis (Marsh Sandpiper)   IA     65.   24608   Tringa respullatis (Ararsh Sandpiper)   IA     67.   24609   Tringa stegnallis (Marsh Sandpiper)   IA     68.   2475   Falco peregrinus (Penegrina Falcon)   S     53.   2475   Falco peregrinus (Penegrina Falcon)   S     54.   2524   Morelia spidota subsp. Imbricata (Carpet Python)   S     55.   24210   Neophoca cinerea (Australian Sea Lion)   P1     56.   41641   Clenotus ora (Coastal Plains Skink)   P1     57.   34030   Geotria australis (Pouched Lamprey)   P1     7Priority 3   Falco Steria australis (Pouched Lamprey)   P3     58.   25147   Lerista lineata (Perth Slider, Lined Skink)   P3     59.   25249   Neelaps calonotos (Black-striped Snake)   P3     61.   24610   Arciotis australis (Australian Bustard)   P4     62.   24376   Charadrius rubricollis (Hooded Plover)   P4     63.   2415   Hydromys chysogaster (Water-atl)   P4     64.   24690   Macropus irma (Western Brush Wallaby)   P4     65.   2433   Macropus irma (Western Brush Wallaby)   P4     66.   39392   Symenon graiosa (Graeclul Summoth)   P4     67.   3413   Westralunio carter (Carter's Freshwater Mussel)   P4     PFloritty 5   Priority 5   P5   P5   P5   P5   P5     68.   26478   Soodon obesulus (Southern Brown Bandicoot)   P5	42.	24382	Pluvialis fulva (Pacific Golden Plover)		IA	
45.   24517   Stercorarius parasiticus (Arctic Skua)   IA     46.   25642   Sterma hirundo (Common Tern)   IA     47.   24522   Sterma hirundo (Common Tern)   IA     48.   24803   Tringa brevipes (Grey-tailed Tattler)   IA     49.   24806   Tringa plareola (Wood Sandpiper)   IA     50.   24808   Tringa plateola (Wood Sandpiper)   IA     51.   24809   Tringa stagnatilis (Marsh Sandpiper)   IA     52.   25624   Falco peregrinus (Peregrine Falcon)   IS     53.   24475   Falco peregrinus (Peregrine Falcon)   IS     54.   25240   Morelia spiciola subsp. macropus (Australian Peregrine Falcon)   IS     55.   24210   Neophoca cinerea (Australian Sea Lion)   IS     57.   34030   Geotria australis (Pouched Lamprey)   IP     Floritty 3   IS     58.   25147   Lerista lineata (Perth Slider, Lined Skink)   IP     59.   25249   Neelaps calonotos (Black-striped Snake)   IP     61.   24610   Ardeotis australis (Australian Bustard)   IP     62.   24376   Charadrius rubricollis (Hooded Plover)   IP     63.   24515   Hydromys chysogaster (Water-at)   IP     64.   24630   Macronectes giganteus (Southern Giant Pterle)   IP     65.   24133   Macropus imm (Western Brush Wallaby)   IP     66.   33992   Symenon gratiosa (Graedul Summoth)   IP     67.   34113   Westalunio carteri (Carter's Freshwater Mussel)   IP     66.   25478   Soodon obesulus (Southern Brown Bandicoot)   IP     67.   25478   Soodon obesulus (Southern Brown Bandicoot)   IP     68.   25478   Soodon obesulus (Southern Brown Bandicoot)   IP     70.	43.	24383	Pluvialis squatarola (Grey Plover)		IA	
46.	44.	24716	Puffinus pacificus (Wedge-tailed Shearwater)		IA	
47.         24529         Stema leucoptera (White-winged Black Term)         IA           48.         24803         Tringa brevipes (Grey-tailed Tatler)         IA           49.         24806         Tringa glareola (Wood Sandpiper)         IA           50.         24808         Tringa nebularia (Common Greenshank)         IA           51.         24809         Tringa nebularia (Common Greenshank)         IA           Other specially protected fauna           52.         256247         Falco peregrinus (Peregrine Falcon)         S           53.         24475         Falco peregrinus (Peregrine Falcon)         S           54.         25240         Morelia spilota subsp. macropus (Australian Peregrine Falcon)         S           55.         24210         Neophoca cinerea (Australian Sea Lion)         S           Priority 1           56.         41641         Clenotus ora (Coastal Plains Skink)         P1           57.         34030         Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147         Leista lineata (Perth Sider, Lined Skink)         P3           59.         25249         Nelaga contact (Black-striped Snake)         P3           60.	45.	24517	Stercorarius parasiticus (Arctic Skua)		IA	
48.         24803 Tringa brevipes (Grey-tailed Tattler)         IA           49.         24806 Tringa glarola (Wood Sandpiper)         IA           50.         24808 Tringa nebularia (Common Greenshank)         IA           51.         24809 Tringa stagnatilis (Marsh Sandpiper)         IA           Other specially protected fauna           52.         25624 Falco peregrinus (Peregrine Falcon)         S           53.         24875 Falco peregrinus subsp. macropus (Australian Peregrine Falcon)         S           54.         25240 Morelia apilota subsp. imbricata (Carpet Python)         S           55.         24210 Neophoca cinerea (Australian Sea Lion)         P           Priority 1           56.         41641 Ctenotus ora (Coastal Plains Skink)         P1           57.         34030 Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147 Lerista lineata (Perth Slider, Lined Skink)         P3           59.         25249 Neolags calonotos (Black-striped Snake)         P3           60.         24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp.))         P3           61.         24610 Ardeotis australis (Australian Bustard)         P4           62.         24376 Charadrius rubricollis (Hooded Plover)	46.	25642	Sterna hirundo (Common Tern)		IA	
49.         24806         Tringa glareola (Wood Sandpiper)         IA           50.         24808         Tringa selbularia (Common Greenshank)         IA           51.         24809         Tringa stegnatilis (Marsh Sandpiper)         IA           Other specially protected fauna           52.         25624         Falco peregrinus (Peregrine Falcon)         S           53.         24475         Falco peregrinus subsp. macropus (Australian Peregrine Falcon)         S           54.         25240         Morelia spilota subsp. imbricata (Carpet Python)         S           55.         24210         Nopeloca cinerea (Australian Sea Lion)         P1           57.         34030         Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147         Lerista lineata (Perth Silder, Lined Skink)         P3           59.         25249         Nelapas calonotos (Black-striped Snake)         P3           60.         24857         Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp))         P3           Priority 4           61.         24610         Ardeotis australis (Australian Bustard)         P4           62.         24376         Charadrius rubricollis (Hooded Plover) <td< td=""><td>47.</td><td>24529</td><td>Sterna leucoptera (White-winged Black Tern)</td><td></td><td>IA</td><td></td></td<>	47.	24529	Sterna leucoptera (White-winged Black Tern)		IA	
50.   24808   Tringa nebularia (Common Greenshank)   1A   151.   24809   Tringa stagnatilis (Marsh Sandpiper)   1A   1A   151.   24809   Tringa stagnatilis (Marsh Sandpiper)   1A   151.   24809   Tringa stagnatilis (Marsh Sandpiper)   152.   25247   Falco peregrinus (Peregrine Falcon)   5.   5.   25247   Falco peregrinus subsp. macropus (Australian Peregrine Falcon)   5.   5.   25240   Morelia spilota subsp. mibricata (Carpet Python)   5.   5.   24210   Neophoca cinerea (Australian Sea Lion)   5.   5.   24210   Neophoca cinerea (Australian Sea Lion)   71   72   73   73   73   73   73   73   73	48.	24803	Tringa brevipes (Grey-tailed Tattler)		IA	
51. 24809 Tringa stagnatilis (Marsh Sandpiper)         IA           Other specially protected fauna           52. 2524 Falco peregrinus (Peregrine Falcon)         S           53. 24475 Falco peregrinus subsp. macropus (Australian Peregrine Falcon)         S           54. 25240 Morelia spilota subsp. macropus (Australian Peregrine Falcon)         S           55. 24210 Neophoca cinerea (Australian Sea Lion)         S           Priority 1           56. 41611 Cenotus ora (Coastal Plains Skink)         P1           57. 3403 Geotria australis (Pouched Lamprey)         P1           Priority 3           58. 25147 Lerista lineata (Perth Slider, Lined Skink)         P3           59. 25249 Neelaps calonotos (Black-striped Snake)         P3           60. 24855 Tyro novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp.))         P3           Priority 4           61. 24610 Ardeoiis australis (Australian Bustard)         P4           62. 24376 Charadrius rubricollis (Hooded Plover)         P4           63. 24215 Hydromys chrysogester (Water-rat)         P4           64. 24690 Macronectes giganteus (Southern Brush Wallaby)         P4           65. 24133 Macropus irma (Western Brush Wallaby)         P4           66. 33992 Symemor gratiosa (Graceful Sumoth)         P4	49.	24806	Tringa glareola (Wood Sandpiper)		IA	
Scalably protected fauna   Scalably protected fauna   Scalably   Scalably	50.	24808	Tringa nebularia (Common Greenshank)		IA	
52.   25624   Falco peregrinus (Peregrine Falcon)   S	51.	24809	Tringa stagnatilis (Marsh Sandpiper)		IA	
52.   25624   Falco peregrinus (Peregrine Falcon)   S	Other spec	ially prot	ected fauna			
53.         2447 Falco peregrinus subsp. macropus (Australian Peregrine Falcon)         \$           54.         25240 Morelia spilota subsp. imbricata (Carpet Python)         \$           55.         24210 Neophoca cinerea (Australian Sea Lion)         \$           Priority 1           56.         41641 Cenotus ora (Coastal Plains Skink)         P1           57.         34030 Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147 Lerista lineata (Perth Slider, Lined Skink)         P3           59.         25249 Neelaps calonotos (Black-striped Snake)         P3           60.         24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp))         P3           Priority 4           61.         24610 Ardeotis australis (Australian Bustard)         P4           62.         24376 Charadrius rubricollis (Hooded Plover)         P4           63.         24215 Hydromys chrysogaster (Water-rat)         P4           64.         2490 Macronectes giganteus (Southern Giant Petrel)         P4           65.         24133 Macropus ima (Western Brush Wallaby)         P4           66.         33932 Synemon gratiosa (Graceful Sunmoth)         P4           67.         34113 Westralunio carteri (Carter's Freshwater Mussel) </td <td>•</td> <td></td> <td></td> <td></td> <td>S</td> <td></td>	•				S	
54.         25240         Morelia spilota subsp. imbricata (Carpet Python)         S           55.         24210         Neophoca cinerea (Australian Sea Lion)         S           Priority 1           66.         41641         Ctenotus ora (Coastal Plains Skink)         P1           57.         34030         Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147         Lerista lineata (Perth Slider, Lined Skink)         P3           59.         25249         Neelaps calonotos (Black-striped Snake)         P3           60.         24855         Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp.))         P3           Priority 4           61.         24610         Ardeotis australis (Australian Bustard)         P4           62.         24376         Charadrius rubricollis (Hooded Plover)         P4           63.         24215         Hydromys chrysogaster (Water-rat)         P4           64.         24690         Macronectes giganteus (Southern Birsh Wallaby)         P4           65.         24133         Macropactes giganteus (Southern Brush Wallaby)         P4           66.         33992         Synemon gratiosa (Graceful Sumnoth)         P4 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
Priority 1			, , , , , , , , , , , , , , , , , , , ,			
Priority 1           56.         41641 (Cenotus ora (Coastal Plains Skink)         P1           57.         34030 (Geotria australis (Pouched Lamprey)         P1           Priority 3           58.         25147 (Lerista lineata (Perth Slider, Lined Skink)         P3           59.         25249 (Neelaps calonotos (Black-striped Snake)         P3           60.         24855 (Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp.))         P3           Priority 4           61.         24610 (Ardeotis australis (Australian Bustard)         P4           62.         24376 (Charadrius rubricollis (Hooded Plover)         P4           63.         24215 (Hydromys chrysogaster (Water-rat)         P4           64.         24690 (Macronectes giganteus (Southern Giant Petrel))         P4           65.         24131 (Macropus irma (Western Brush Wallaby)         P4           66.         33992 (Synemon gratiosa (Graceful Sunmoth)         P4           67.         34113 (Westralunio carteri (Carter's Freshwater Mussel)         P4           Priority 5           68.         25478 (Soodon obesulus (Southern Brown Bandicoot)         P5	55.					
Priority 3  58. 25147 Lerista lineata (Perth Slider, Lined Skink) P3  59. 25249 Neelaps calonotos (Black-striped Snake) P3  60. 24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp)) P3  Priority 4  61. 24610 Ardeotis australis (Australian Bustard) P4  62. 24376 Charadrius rubricollis (Hooded Plover) P4  63. 24215 Hydromys chrysogaster (Water-rat) P4  64. 24690 Macronectes giganteus (Southern Giant Petrel) P4  65. 24131 Macropus irma (Western Brush Wallaby) P4  66. 33992 Synemon gratiosa (Graceful Sunmoth) P4  67. 3411 Westralunio carteri (Carter's Freshwater Mussel) P5	Priority 1					
Priority 3 58. 25147 Lerista lineata (Perth Slider, Lined Skink) P3 59. 25249 Neelaps calonotos (Black-striped Snake) P3 60. 24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp)) P3  Priority 4 61. 24610 Ardeotis australis (Australian Bustard) P4 62. 24376 Charadrius rubricollis (Hooded Plover) P4 63. 24215 Hydromys chrysogaster (Water-rat) P4 64. 24690 Macronectes giganteus (Southern Giant Petrel) P4 65. 24131 Macropus irma (Western Brush Wallaby) P4 66. 33992 Synemon gratiosa (Graceful Sunmoth) P4 67. 34113 Westralunio carteri (Carter's Freshwater Mussel) P5	56.	41641	Ctenotus ora (Coastal Plains Skink)		P1	
58. 25147 Lerista lineata (Perth Slider, Lined Skink) P3 59. 25249 Neelaps calonotos (Black-striped Snake) P3 60. 24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp)) P3  Priority 4  61. 24610 Ardeotis australis (Australian Bustard) P4 62. 24376 Charadrius rubricollis (Hooded Plover) P4 63. 24215 Hydromys chrysogaster (Water-rat) P4 64. 24690 Macronectes giganteus (Southern Giant Petrel) P4 65. 24133 Macropus irma (Western Brush Wallaby) P4 66. 33992 Synemon gratiosa (Graceful Sunmoth) P4 67. 34113 Westralunio carteri (Carter's Freshwater Mussel) P4  Priority 5 68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	57.	34030	Geotria australis (Pouched Lamprey)		P1	
59. 25249 Neelaps calonotos (Black-striped Snake) P3 60. 24855 Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp)) P3  Priority 4  61. 24610 Ardeotis australis (Australian Bustard) P4 62. 24376 Charadrius rubricollis (Hooded Plover) P4 63. 24215 Hydromys chrysogaster (Water-rat) P4 64. 24690 Macronectes giganteus (Southern Giant Petrel) P4 65. 24133 Macropus irma (Western Brush Wallaby) P4 66. 33992 Synemon gratiosa (Graceful Sunmoth) P4 67. 34113 Westralunio carteri (Carter's Freshwater Mussel) P4  Priority 5 68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	Priority 3					
Priority 4  61. 24610 Ardeotis australis (Australian Bustard) P4  62. 24376 Charadrius rubricollis (Hooded Plover) P4  63. 24215 Hydromys chrysogaster (Water-rat) P4  64. 24690 Macronectes giganteus (Southern Giant Petrel) P4  65. 24133 Macropus irma (Western Brush Wallaby) P4  66. 33992 Synemon gratiosa (Graceful Sunmoth) P4  67. 34113 Westralunio carteri (Carter's Freshwater Mussel) P4  Priority 5  68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	58.	25147	Lerista lineata (Perth Slider, Lined Skink)		P3	
Priority 4           61.         24610         Ardeotis australis (Australian Bustard)         P4           62.         24376         Charadrius rubricollis (Hooded Plover)         P4           63.         24215         Hydromys chrysogaster (Water-rat)         P4           64.         24690         Macronectes giganteus (Southern Giant Petrel)         P4           65.         24133         Macropus irma (Western Brush Wallaby)         P4           66.         33992         Synemon gratiosa (Graceful Sunmoth)         P4           67.         34113         Westralunio carteri (Carter's Freshwater Mussel)         P4           Priority 5           68.         25478         Isoodon obesulus (Southern Brown Bandicoot)         P5	59.	25249	Neelaps calonotos (Black-striped Snake)		P3	
61.       24610 Ardeotis australis (Australian Bustard)       P4         62.       24376 Charadrius rubricollis (Hooded Plover)       P4         63.       24215 Hydromys chrysogaster (Water-rat)       P4         64.       24690 Macronectes giganteus (Southern Giant Petrel)       P4         65.       24133 Macropus irma (Western Brush Wallaby)       P4         66.       33992 Synemon gratiosa (Graceful Sunmoth)       P4         67.       34113 Westralunio carteri (Carter's Freshwater Mussel)       P4    Priority 5         68.       25478 Isoodon obesulus (Southern Brown Bandicoot)       P5	60.	24855	Tyto novaehollandiae subsp. novaehollandiae (Masked Owl (southern subsp))		P3	
62.       24376 Charadrius rubricollis (Hooded Plover)       P4         63.       24215 Hydromys chrysogaster (Water-rat)       P4         64.       24690 Macronectes giganteus (Southern Giant Petrel)       P4         65.       24133 Macropus irma (Western Brush Wallaby)       P4         66.       33992 Synemon gratiosa (Graceful Sunmoth)       P4         67.       34113 Westralunio carteri (Carter's Freshwater Mussel)       P4    Priority 5         68.       25478 Isoodon obesulus (Southern Brown Bandicoot)       P5	Priority 4					
63.       24215       Hydromys chrysogaster (Water-rat)       P4         64.       24690       Macronectes giganteus (Southern Giant Petrel)       P4         65.       24133       Macropus irma (Western Brush Wallaby)       P4         66.       33992       Synemon gratiosa (Graceful Sunmoth)       P4         67.       34113       Westralunio carteri (Carter's Freshwater Mussel)       P4         Priority 5         68.       25478       Isoodon obesulus (Southern Brown Bandicoot)       P5	61.	24610	Ardeotis australis (Australian Bustard)		P4	
64. 24690 Macronectes giganteus (Southern Giant Petrel)  65. 24133 Macropus irma (Western Brush Wallaby)  66. 33992 Synemon gratiosa (Graceful Sunmoth)  67. 34113 Westralunio carteri (Carter's Freshwater Mussel)  Priority 5  68. 25478 Isoodon obesulus (Southern Brown Bandicoot)  P5	62.	24376	Charadrius rubricollis (Hooded Plover)		P4	
65. 2413 Macropus irma (Western Brush Wallaby) P4 66. 3399 Synemon gratiosa (Graceful Sunmoth) P4 67. 3411 Westralunio carteri (Carter's Freshwater Mussel) P4  Priority 5 68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	63.	24215	Hydromys chrysogaster (Water-rat)		P4	
66. 33992 Synemon gratiosa (Graceful Sunmoth) P4 67. 34113 Westralunio carteri (Carter's Freshwater Mussel) P4  Priority 5 68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	64.	24690	Macronectes giganteus (Southern Giant Petrel)		P4	
67. 34113 Westralunio carteri (Carter's Freshwater Mussel)  Priority 5  68. 25478 Isoodon obesulus (Southern Brown Bandicoot)  P5	65.	24133	Macropus irma (Western Brush Wallaby)		P4	
Priority 5  68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	66.	33992	Synemon gratiosa (Graceful Sunmoth)		P4	
68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	67.	34113	Westralunio carteri (Carter's Freshwater Mussel)		P4	
68. 25478 Isoodon obesulus (Southern Brown Bandicoot) P5	Priority 5					
69. 24153 Isoodon obesulus subsp. fusciventer (Quenda, Southern Brown Bandicoot) P5	-	25478	Isoodon obesulus (Southern Brown Bandicoot)		P5	
	69.	24153	Isoodon obesulus subsp. fusciventer (Quenda, Southern Brown Bandicoot)			





Conservation Codes

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

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