

Annex G

DEWHA Protected Matters Database Search



Australian Government

Department of the Environment, Water, Heritage and the Arts

Protected Matters Search Tool

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21 April 2009 11:43

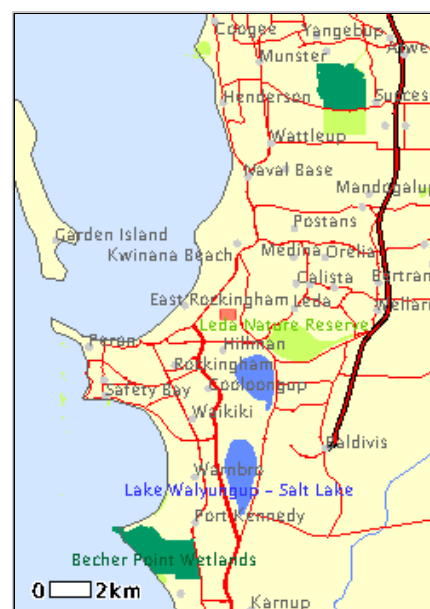
EPBC Act Protected Matters Report

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.

You may wish to print this report for reference before moving to other pages or websites.

The Australian Natural Resources Atlas at <http://www.environment.gov.au/atlas> may provide further environmental information relevant to your selected area. Information about the EPBC Act including significance guidelines, forms and application process details can be found at <http://www.environment.gov.au/epbc/assessmentsapprovals/index.html>

Search Type: Area
Buffer: 10 km
Coordinates: -32.26078,115.76879, -32.26555,115.76879, -32.26555,115.77703, -32.26078,115.77703



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Report Contents: [Summary](#)
[Details](#)

- [Matters of NES](#)
- [Other matters protected by the EPBC Act](#)
- [Extra Information](#)

[Caveat](#)
[Acknowledgments](#)

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 - see <http://www.environment.gov.au/epbc/assessmentsapprovals/guidelines/index.html>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Significance: (Ramsar Sites)	3
Commonwealth Marine Areas:	None
Threatened Ecological Communities:	2

Threatened Species:	33
Migratory Species:	32

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 and the heritage values of a place on the Register of the National Estate. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage/index.html>.

Please note that the current dataset on Commonwealth land is not complete. Further information on Commonwealth land would need to be obtained from relevant sources including Commonwealth agencies, local agencies, and land tenure maps.

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. Information on EPBC Act permit requirements and application forms can be found at <http://www.environment.gov.au/epbc/permits/index.html>.

Commonwealth Lands:	2
Commonwealth Heritage Places:	1
Places on the RNE:	10
Listed Marine Species:	61
Whales and Other Cetaceans:	13
Critical Habitats:	None
Commonwealth Reserves:	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:	5
Other Commonwealth Reserves:	None
Regional Forest Agreements:	None

Details

Matters of National Environmental Significance

Wetlands of International Significance [[Dataset Information](#)]
(Ramsar Sites)

BECHER POINT WETLANDS	Within 10 km of Ramsar site
FORRESTDAL & THOMSONS LAKES	Within 10 km of Ramsar site
PEEL-YALGORUP SYSTEM	Within same catchment as Ramsar site

Threatened Ecological Communities [[Dataset Information](#)]

	Status	Type of Presence
Sedgeland in Holocene dune swales of the southern Swan Coastal Plain	Endangered	Community known to occur within area
Thrombolite (microbial) community of coastal freshwater lakes of the Swan Coastal Plain (Lake Richmond)	Endangered	Community known to occur within area

Threatened Species [Dataset Information]	Status	Type of Presence
Birds		
Anous tenuirostris melanops Australian Lesser Noddy	Vulnerable	Species or species habitat may occur within area
Calyptorhynchus baudinii Baudin's Black-Cockatoo, Long-billed Black-Cockatoo	Vulnerable	Species or species habitat likely to occur within area
Calyptorhynchus latirostris Carnaby's Black-Cockatoo, Short-billed Black-Cockatoo	Endangered	Species or species habitat likely to occur within area
Diomedea exulans (sensu lato) Wandering Albatross	Vulnerable	Species or species habitat may occur within area
Diomedea exulans amsterdamensis Amsterdam Albatross	Endangered	Species or species habitat may occur within area
Diomedea exulans exulans Tristan Albatross	Endangered	Foraging may occur within area
Diomedea exulans gibsoni Gibson's Albatross	Vulnerable	Species or species habitat may occur within area
Halobaena caerulea Blue Petrel	Vulnerable	Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant-Petrel	Vulnerable	Species or species habitat may occur within area
Pterodroma mollis Soft-plumaged Petrel	Vulnerable	Species or species habitat may occur within area
Thalassarche carteri Indian Yellow-nosed Albatross	Vulnerable	Foraging may occur within area
Thalassarche cauta cauta Shy Albatross, Tasmanian Shy Albatross	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross	Vulnerable	Species or species habitat may occur within area
Insects		
Synemon gratiosa Graceful Sun Moth	Endangered	Species or species habitat may occur within area
Mammals		
Balaenoptera musculus Blue Whale	Endangered	Species or species habitat may occur within area
Dasyurus geoffroi Chuditch, Western Quoll	Vulnerable	Species or species habitat likely to occur within area
Eubalaena australis Southern Right Whale	Endangered	Species or species habitat known to occur within area
Megaptera novaeangliae Humpback Whale	Vulnerable	Congregation or aggregation known to occur within area
Neophoca cinerea Australian Sea-lion	Vulnerable	Species or species habitat may occur within area
Phascogale calura Red-tailed Phascogale	Endangered	Species or species habitat may occur within area
Setonix brachyurus Quokka	Vulnerable	Species or species habitat may occur within area
Reptiles		
Caretta caretta Loggerhead Turtle	Endangered	Foraging known to occur within area
Chelonia mydas Green Turtle	Vulnerable	Species or species habitat may occur within area
Sharks		
Carcharias taurus (west coast population)	Vulnerable	Species or species habitat may occur within area

Grey Nurse Shark (west coast population)		area
Carcharodon carcharias Great White Shark	Vulnerable	Species or species habitat may occur within area
Rhincodon typus Whale Shark	Vulnerable	Species or species habitat may occur within area
Plants		
Caladenia huegelii King Spider-orchid, Grand Spider-orchid, Rusty Spider-orchid	Endangered	Species or species habitat likely to occur within area
Diuris micrantha Dwarf Bee-orchid	Vulnerable	Species or species habitat likely to occur within area
Drakaea elastica Glossy-leaved Hammer-orchid, Praying Virgin	Endangered	Species or species habitat likely to occur within area
Drakaea micrantha Hopper & A.P.Brown nom. inval. Dwarf Hammer-orchid	Vulnerable	Species or species habitat likely to occur within area
Lasiopetalum sp. Serpentine (S.Paust 1103A) WA Herbarium Wing-fruited Lasiopetalum	Endangered	Species or species habitat likely to occur within area
Lepidosperma rostratum Beaked Lepidosperma	Endangered	Species or species habitat likely to occur within area
Migratory Species [Dataset Information]	Status	Type of Presence
Migratory Terrestrial Species		
Birds		
Haliaeetus leucogaster White-bellied Sea-Eagle	Migratory	Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater	Migratory	Species or species habitat may occur within area
Migratory Wetland Species		
Birds		
Ardea alba Great Egret, White Egret	Migratory	Species or species habitat may occur within area
Ardea ibis Cattle Egret	Migratory	Species or species habitat may occur within area
Calidris alba Sanderling	Migratory	Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper	Migratory	Species or species habitat likely to occur within area
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift	Migratory	Species or species habitat may occur within area
Ardea alba Great Egret, White Egret	Migratory	Species or species habitat may occur within area
Ardea ibis Cattle Egret	Migratory	Species or species habitat may occur within area
Diomedea amsterdamensis Amsterdam Albatross	Migratory	Species or species habitat may occur within area
Diomedea dabbenena Tristan Albatross	Migratory	Foraging may occur within area
Diomedea exulans (sensu lato) Wandering Albatross	Migratory	Species or species habitat may occur within area
Diomedea gibsoni Gibson's Albatross	Migratory	Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel	Migratory	Species or species habitat may occur within area
Macronectes halli	Migratory	Species or species habitat may occur within area

Northern Giant-Petrel		area
Sterna anaethetus Bridled Tern	Migratory	Breeding known to occur within area
Sterna caspia Caspian Tern	Migratory	Breeding known to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross	Migratory	Foraging may occur within area
Thalassarche cauta (sensu stricto) Shy Albatross, Tasmanian Shy Albatross	Migratory	Species or species habitat may occur within area
Thalassarche chlororhynchos Yellow-nosed Albatross, Atlantic Yellow-nosed Albatross	Migratory	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross	Migratory	Species or species habitat may occur within area
Migratory Marine Species		
Mammals		
Balaenoptera edeni Bryde's Whale	Migratory	Species or species habitat may occur within area
Balaenoptera musculus Blue Whale	Migratory	Species or species habitat may occur within area
Caperea marginata Pygmy Right Whale	Migratory	Species or species habitat may occur within area
Eubalaena australis Southern Right Whale	Migratory	Species or species habitat known to occur within area
Lagenorhynchus obscurus Dusky Dolphin	Migratory	Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale	Migratory	Congregation or aggregation known to occur within area
Orcinus orca Killer Whale, Orca	Migratory	Species or species habitat may occur within area
Reptiles		
Caretta caretta Loggerhead Turtle	Migratory	Foraging known to occur within area
Chelonia mydas Green Turtle	Migratory	Species or species habitat may occur within area
Sharks		
Carcharodon carcharias Great White Shark	Migratory	Species or species habitat may occur within area
Rhincodon typus Whale Shark	Migratory	Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

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

Birds

	Status	Type of Presence
Anous tenuirostris melanops Australian Lesser Noddy	Listed	Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift	Listed - overfly marine area	Species or species habitat may occur within area
Ardea alba Great Egret, White Egret	Listed - overfly marine area	Species or species habitat may occur within area
Ardea ibis Cattle Egret	Listed - overfly marine	Species or species habitat may occur within area

	area	
Calidris alba Sanderling	Listed	Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper	Listed - overfly marine area	Species or species habitat likely to occur within area
Catharacta skua Great Skua	Listed	Species or species habitat may occur within area
Diomedea amsterdamensis Amsterdam Albatross	Listed	Species or species habitat may occur within area
Diomedea dabbenena Tristan Albatross	Listed	Foraging may occur within area
Diomedea exulans (sensu lato) Wandering Albatross	Listed	Species or species habitat may occur within area
Diomedea gibsoni Gibson's Albatross	Listed	Species or species habitat may occur within area
Eudyptula minor Little Penguin	Listed	Breeding known to occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle	Listed	Species or species habitat likely to occur within area
Halobaena caerulea Blue Petrel	Listed	Species or species habitat may occur within area
Larus novaehollandiae Silver Gull	Listed	Breeding known to occur within area
Larus pacificus Pacific Gull	Listed	Breeding known to occur within area
Macronectes giganteus Southern Giant-Petrel	Listed	Species or species habitat may occur within area
Macronectes halli Northern Giant-Petrel	Listed	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater	Listed - overfly marine area	Species or species habitat may occur within area
Pandion haliaetus Osprey	Listed	Breeding known to occur within area
Pelagodroma marina White-faced Storm-Petrel	Listed	Breeding known to occur within area
Pterodroma mollis Soft-plumaged Petrel	Listed	Species or species habitat may occur within area
Puffinus assimilis Little Shearwater	Listed	Breeding known to occur within area
Sterna anaethetus Bridled Tern	Listed	Breeding known to occur within area
Sterna bergii Crested Tern	Listed	Breeding known to occur within area
Sterna caspia Caspian Tern	Listed	Breeding known to occur within area
Sterna dougallii Roseate Tern	Listed	Breeding known to occur within area
Sterna fuscata Sooty Tern	Listed	Breeding known to occur within area
Sterna nereis Fairy Tern	Listed	Breeding known to occur within area
Thalassarche carteri Indian Yellow-nosed Albatross	Listed	Foraging may occur within area

<i>Thalassarche cauta (sensu stricto)</i> Shy Albatross, Tasmanian Shy Albatross	Listed	Species or species habitat may occur within area
<i>Thalassarche chlororhynchos</i> Yellow-nosed Albatross, Atlantic Yellow-nosed Albatross	Listed	Species or species habitat may occur within area
<i>Thalassarche melanophris</i> Black-browed Albatross	Listed	Species or species habitat may occur within area
Mammals		
<i>Arctocephalus forsteri</i> New Zealand Fur-seal	Listed	Species or species habitat may occur within area
<i>Neophoca cinerea</i> Australian Sea-lion	Listed	Species or species habitat may occur within area
Ray-finned fishes		
<i>Acentronura australe</i> Southern Pygmy Pipehorse	Listed	Species or species habitat may occur within area
<i>Campichthys galei</i> Gale's Pipefish	Listed	Species or species habitat may occur within area
<i>Heraldia nocturna</i> Upside-down Pipefish	Listed	Species or species habitat may occur within area
<i>Hippocampus angustus</i> Western Spiny Seahorse, Narrow-bellied Seahorse	Listed	Species or species habitat may occur within area
<i>Hippocampus breviceps</i> Short-head Seahorse, Short-snouted Seahorse	Listed	Species or species habitat may occur within area
<i>Hippocampus subelongatus</i> West Australian Seahorse	Listed	Species or species habitat may occur within area
<i>Histiogamphelus cristatus</i> Rhino Pipefish, Macleay's Crested Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus caudalis</i> Australian Smooth Pipefish, Smooth Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus fatiloquus</i> Prophet's Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus runa</i> Javelin Pipefish	Listed	Species or species habitat may occur within area
<i>Maroubra perserrata</i> Sawtooth Pipefish	Listed	Species or species habitat may occur within area
<i>Mitotichthys meraculus</i> Western Crested Pipefish	Listed	Species or species habitat may occur within area
<i>Nannocampus subosseus</i> Bony-headed Pipefish	Listed	Species or species habitat may occur within area
<i>Phycodurus eques</i> Leafy Seadragon	Listed	Species or species habitat may occur within area
<i>Phyllopteryx taeniolatus</i> Weedy Seadragon, Common Seadragon	Listed	Species or species habitat may occur within area
<i>Pugnaso curtirostris</i> Pug-nosed Pipefish	Listed	Species or species habitat may occur within area
<i>Solegnathus lettiensis</i> Indonesian Pipefish, Gunther's Pipehorse	Listed	Species or species habitat may occur within area
<i>Stigmatopora argus</i> Spotted Pipefish	Listed	Species or species habitat may occur within area
<i>Stigmatopora nigra</i> Wide-bodied Pipefish, Black Pipefish	Listed	Species or species habitat may occur within area
<i>Urocampus carinirostris</i> Hairy Pipefish	Listed	Species or species habitat may occur within area
<i>Vanacampus margaritifer</i> Mother-of-pearl Pipefish	Listed	Species or species habitat may occur within area
<i>Vanacampus phillipi</i> Port Phillip Pipefish	Listed	Species or species habitat may occur within area

Vanacampus poecilolaemus Australian Long-snout Pipefish, Long-snouted Pipefish	Listed	Species or species habitat may occur within area
Reptiles		
Caretta caretta Loggerhead Turtle	Listed	Foraging known to occur within area
Chelonia mydas Green Turtle	Listed	Species or species habitat may occur within area
Disteira kingii Spectacled Seasnake	Listed	Species or species habitat may occur within area
Whales and Other Cetaceans [Dataset Information]	Status	Type of Presence
Balaenoptera acutorostrata Minke Whale	Cetacean	Species or species habitat may occur within area
Balaenoptera edeni Bryde's Whale	Cetacean	Species or species habitat may occur within area
Balaenoptera musculus Blue Whale	Cetacean	Species or species habitat may occur within area
Caperea marginata Pygmy Right Whale	Cetacean	Species or species habitat may occur within area
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin	Cetacean	Species or species habitat may occur within area
Eubalaena australis Southern Right Whale	Cetacean	Species or species habitat known to occur within area
Grampus griseus Risso's Dolphin, Grampus	Cetacean	Species or species habitat may occur within area
Lagenorhynchus obscurus Dusky Dolphin	Cetacean	Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale	Cetacean	Congregation or aggregation known to occur within area
Orcinus orca Killer Whale, Orca	Cetacean	Species or species habitat may occur within area
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin	Cetacean	Species or species habitat may occur within area
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin	Cetacean	Species or species habitat likely to occur within area
Tursiops truncatus s. str. Bottlenose Dolphin	Cetacean	Species or species habitat may occur within area
Commonwealth Lands [Dataset Information]		
Defence		
Unknown		
Commonwealth Heritage Places [Dataset Information]		
Garden Island WA		
Places on the RNE [Dataset Information]		
Note that not all Indigenous sites may be listed.		
Historic		
Cape Peron Battery Complex WA		
Dato Shipwreck WA		
Day Dawn Shipwreck WA		
Smirks Cottage WA		
Natural		
Garden Island WA		
Lake Richmond Area WA		
Lakes Cooloongup and Walyungup and Surrounds WA		

[Penguin Island Reserve WA](#)

[Port Kennedy Area WA](#)

[Shoalwater Bay Islands Reserve WA](#)

Extra Information

State and Territory Reserves [[Dataset Information](#)]

Leda Nature Reserve, WA

Shoalwater Bay Islands Nature Reserve, WA

Shoalwater Islands Marine Park, WA

Un-named (No. 17070) Miscellaneous Conservation Reserve, WA

Un-named (No. 43903) Nature Reserve, 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 Heritage and Register of National Estate properties, Wetlands of International 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 [migratory](#) and [marine](#) provisions of the Act have been mapped.

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.

Acknowledgments

This database has been compiled from a range of data sources. The Department acknowledges the following custodians who have contributed valuable data and advice:

- [New South Wales National Parks and Wildlife Service](#)
- [Department of Sustainability and Environment, Victoria](#)
- [Department of Primary Industries, Water and Environment, Tasmania](#)
- [Department of Environment and Heritage, South Australia Planning SA](#)
- [Parks and Wildlife Commission of the Northern Territory](#)
- [Environmental Protection Agency, Queensland](#)
- [Birds Australia](#)
- [Australian Bird and Bat Banding Scheme](#)
- [Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [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](#)
- Other groups and individuals

[ANUCliM Version 1.8, Centre for Resource and Environmental Studies, Australian National University](#) was used extensively for the production of draft maps of species distribution. Environment Australia is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Last updated: Thursday, 20-Nov-2008 14:17:56 EST

[Department of the Environment, Water, Heritage and the Arts](#)

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21 April 2009 11:51

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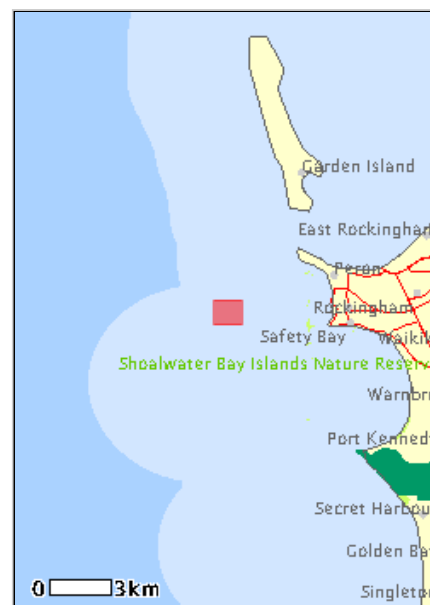
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Details

Matters of National Environmental Significance

Wetlands of International Significance [[Dataset Information](#)]
(Ramsar Sites)

[BECHER POINT WETLANDS](#)

[FORRESTDAL & THOMSONS LAKES](#)

Within same catchment as Ramsar site

[PEEL-YALGORUP SYSTEM](#)

Within same catchment as Ramsar site

Commonwealth Marine Areas [[Dataset Information](#)]

Approval may be required for a proposed activity that is likely to have a significant impact on the environment in a Commonwealth Marine Area, when the action is outside the Commonwealth Marine Area, or the environment anywhere when the action is taken within the Commonwealth Marine Area. Generally the Commonwealth Marine Area stretches from three nautical miles to two hundred nautical miles from the coast.

EEZ and Territorial Sea

Threatened Ecological Communities [Dataset Information]	Status	Type of Presence
Sedgelands in Holocene dune swales of the southern Swan Coastal Plain	Endangered	Community known to occur within area
Thrombolite (microbial) community of coastal freshwater lakes of the Swan Coastal Plain (Lake Richmond)	Endangered	Community known to occur within area
Threatened Species [Dataset Information]	Status	Type of Presence
Birds		
Anous tenuirostris melanops Australian Lesser Noddy	Vulnerable	Species or species habitat may occur within area
Calyptorhynchus baudinii Baudin's Black-Cockatoo, Long-billed Black-Cockatoo	Vulnerable	Species or species habitat likely to occur within area
Calyptorhynchus latirostris Carnaby's Black-Cockatoo, Short-billed Black-Cockatoo	Endangered	Species or species habitat likely to occur within area
Diomedea exulans (sensu lato) Wandering Albatross	Vulnerable	Species or species habitat may occur within area
Diomedea exulans amsterdamensis Amsterdam Albatross	Endangered	Species or species habitat may occur within area
Diomedea exulans exulans Tristan Albatross	Endangered	Foraging may occur within area
Diomedea exulans gibsoni Gibson's Albatross	Vulnerable	Species or species habitat may occur within area
Halobaena caerulea Blue Petrel	Vulnerable	Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant-Petrel	Vulnerable	Species or species habitat may occur within area
Pterodroma mollis Soft-plumaged Petrel	Vulnerable	Species or species habitat may occur within area
Thalassarche carteri Indian Yellow-nosed Albatross	Vulnerable	Foraging may occur within area
Thalassarche cauta cauta Shy Albatross, Tasmanian Shy Albatross	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross	Vulnerable	Species or species habitat may occur within area
Insects		
Synemon gratiosa Graceful Sun Moth	Endangered	Species or species habitat may occur within area
Mammals		
Balaenoptera musculus Blue Whale	Endangered	Species or species habitat may occur within area
Dasyurus geoffroii Chuditch, Western Quoll	Vulnerable	Species or species habitat likely to occur within area
Eubalaena australis Southern Right Whale	Endangered	Species or species habitat known to occur within area
Megaptera novaeangliae Humpback Whale	Vulnerable	Congregation or aggregation known to occur within area
Neophoca cinerea Australian Sea-lion	Vulnerable	Species or species habitat may occur within area
Phascogale calura Red-tailed Phascogale	Endangered	Species or species habitat may occur within area
Setonix brachyurus Quokka	Vulnerable	Species or species habitat may occur within area

Reptiles

[Caretta caretta](#)
Loggerhead Turtle Endangered Foraging known to occur within area

[Chelonia mydas](#)
Green Turtle Vulnerable Species or species habitat may occur within area

Sharks

[Carcharias taurus \(west coast population\)](#)
Grey Nurse Shark (west coast population) Vulnerable Species or species habitat may occur within area

[Carcharodon carcharias](#)
Great White Shark Vulnerable Species or species habitat may occur within area

[Galeorhinus galeus](#)
School Shark, Eastern School Shark, Snapper Shark, Tope, Soupfin Shark Conservation Dependent Species or species habitat may occur within area

[Rhincodon typus](#)
Whale Shark Vulnerable Species or species habitat may occur within area

Migratory Species [[Dataset Information](#)] Status Type of Presence

Migratory Terrestrial Species**Birds**

[Haliaeetus leucogaster](#)
White-bellied Sea-Eagle Migratory Species or species habitat likely to occur within area

[Merops ornatus](#)
Rainbow Bee-eater Migratory Species or species habitat may occur within area

Migratory Wetland Species**Birds**

[Ardea alba](#)
Great Egret, White Egret Migratory Species or species habitat may occur within area

[Ardea ibis](#)
Cattle Egret Migratory Species or species habitat may occur within area

[Calidris alba](#)
Sanderling Migratory Species or species habitat likely to occur within area

Migratory Marine Birds

[Apus pacificus](#)
Fork-tailed Swift Migratory Species or species habitat may occur within area

[Ardea alba](#)
Great Egret, White Egret Migratory Species or species habitat may occur within area

[Ardea ibis](#)
Cattle Egret Migratory Species or species habitat may occur within area

[Diomedea amsterdamensis](#)
Amsterdam Albatross Migratory Species or species habitat may occur within area

[Diomedea dabbenena](#)
Tristan Albatross Migratory Foraging may occur within area

[Diomedea exulans \(sensu lato\)](#)
Wandering Albatross Migratory Species or species habitat may occur within area

[Diomedea gibsoni](#)
Gibson's Albatross Migratory Species or species habitat may occur within area

[Macronectes giganteus](#)
Southern Giant-Petrel Migratory Species or species habitat may occur within area

[Macronectes halli](#)
Northern Giant-Petrel Migratory Species or species habitat may occur within area

[Sterna anaethetus](#)
Bridled Tern Migratory Breeding known to occur within area

[Sterna caspia](#)
Caspian Tern Migratory Breeding known to occur within area

[Thalassarche carteri](#)
Indian Yellow-nosed Albatross Migratory Foraging may occur within area

Thalassarche cauta (sensu stricto) Shy Albatross, Tasmanian Shy Albatross	Migratory	Species or species habitat may occur within area
Thalassarche chlororhynchos Yellow-nosed Albatross, Atlantic Yellow-nosed Albatross	Migratory	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross	Migratory	Species or species habitat may occur within area

Migratory Marine Species**Mammals**

Balaenoptera edeni Bryde's Whale	Migratory	Species or species habitat may occur within area
Balaenoptera musculus Blue Whale	Migratory	Species or species habitat may occur within area
Caperea marginata Pygmy Right Whale	Migratory	Species or species habitat may occur within area
Eubalaena australis Southern Right Whale	Migratory	Species or species habitat known to occur within area
Lagenorhynchus obscurus Dusky Dolphin	Migratory	Species or species habitat may occur within area
Megaptera novaeangliae Humpback Whale	Migratory	Congregation or aggregation known to occur within area
Orcinus orca Killer Whale, Orca	Migratory	Species or species habitat may occur within area

Reptiles

Caretta caretta Loggerhead Turtle	Migratory	Foraging known to occur within area
Chelonia mydas Green Turtle	Migratory	Species or species habitat may occur within area

Sharks

Carcharodon carcharias Great White Shark	Migratory	Species or species habitat may occur within area
Rhincodon typus Whale Shark	Migratory	Species or species habitat may occur within area

Other Matters Protected by the EPBC ActListed Marine Species [[Dataset Information](#)]**Birds**

Listed Marine Species [Dataset Information]	Status	Type of Presence
Anous tenuirostris melanops Australian Lesser Noddy	Listed	Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift	Listed - overfly marine area	Species or species habitat may occur within area
Ardea alba Great Egret, White Egret	Listed - overfly marine area	Species or species habitat may occur within area
Ardea ibis Cattle Egret	Listed - overfly marine area	Species or species habitat may occur within area
Calidris alba Sanderling	Listed	Species or species habitat likely to occur within area
Catharacta skua Great Skua	Listed	Species or species habitat may occur within area
Diomedea amsterdamensis Amsterdam Albatross	Listed	Species or species habitat may occur within area

<i>Diomedea dabbenena</i> Tristan Albatross	Listed	Foraging may occur within area
<i>Diomedea exulans (sensu lato)</i> Wandering Albatross	Listed	Species or species habitat may occur within area
<i>Diomedea gibsoni</i> Gibson's Albatross	Listed	Species or species habitat may occur within area
<i>Eudyptula minor</i> Little Penguin	Listed	Breeding known to occur within area
<i>Haliaeetus leucogaster</i> White-bellied Sea-Eagle	Listed	Species or species habitat likely to occur within area
<i>Halobaena caerulea</i> Blue Petrel	Listed	Species or species habitat may occur within area
<i>Larus novaehollandiae</i> Silver Gull	Listed	Breeding known to occur within area
<i>Larus pacificus</i> Pacific Gull	Listed	Breeding known to occur within area
<i>Macronectes giganteus</i> Southern Giant-Petrel	Listed	Species or species habitat may occur within area
<i>Macronectes halli</i> Northern Giant-Petrel	Listed	Species or species habitat may occur within area
<i>Merops ornatus</i> Rainbow Bee-eater	Listed - overfly marine area	Species or species habitat may occur within area
<i>Pandion haliaetus</i> Osprey	Listed	Breeding known to occur within area
<i>Pelagodroma marina</i> White-faced Storm-Petrel	Listed	Breeding known to occur within area
<i>Pterodroma mollis</i> Soft-plumaged Petrel	Listed	Species or species habitat may occur within area
<i>Puffinus assimilis</i> Little Shearwater	Listed	Breeding known to occur within area
<i>Sterna anaethetus</i> Bridled Tern	Listed	Breeding known to occur within area
<i>Sterna bergii</i> Crested Tern	Listed	Breeding known to occur within area
<i>Sterna caspia</i> Caspian Tern	Listed	Breeding known to occur within area
<i>Sterna dougallii</i> Roseate Tern	Listed	Breeding known to occur within area
<i>Sterna fuscata</i> Sooty Tern	Listed	Breeding known to occur within area
<i>Sterna nereis</i> Fairy Tern	Listed	Breeding known to occur within area
<i>Thalassarche carteri</i> Indian Yellow-nosed Albatross	Listed	Foraging may occur within area
<i>Thalassarche cauta (sensu stricto)</i> Shy Albatross, Tasmanian Shy Albatross	Listed	Species or species habitat may occur within area
<i>Thalassarche chlororhynchos</i> Yellow-nosed Albatross, Atlantic Yellow-nosed Albatross	Listed	Species or species habitat may occur within area
<i>Thalassarche melanophris</i> Black-browed Albatross	Listed	Species or species habitat may occur within area
Mammals		
<i>Arctocephalus forsteri</i> New Zealand Fur-seal	Listed	Species or species habitat may occur within area
<i>Neophoca cinerea</i>	Listed	Species or species habitat may occur within

Australian Sea-lion		area
Ray-finned fishes		
<i>Acentronura australis</i> Southern Pygmy Pipehorse	Listed	Species or species habitat may occur within area
<i>Campichthys galei</i> Gale's Pipefish	Listed	Species or species habitat may occur within area
<i>Heraldia nocturna</i> Upside-down Pipefish	Listed	Species or species habitat may occur within area
<i>Hippocampus angustus</i> Western Spiny Seahorse, Narrow-bellied Seahorse	Listed	Species or species habitat may occur within area
<i>Hippocampus breviceps</i> Short-head Seahorse, Short-snouted Seahorse	Listed	Species or species habitat may occur within area
<i>Hippocampus subelongatus</i> West Australian Seahorse	Listed	Species or species habitat may occur within area
<i>Histiogamphelus cristatus</i> Rhino Pipefish, Macleay's Crested Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus caudalis</i> Australian Smooth Pipefish, Smooth Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus fatiloquus</i> Prophet's Pipefish	Listed	Species or species habitat may occur within area
<i>Lissocampus runa</i> Javelin Pipefish	Listed	Species or species habitat may occur within area
<i>Maroubra perserrata</i> Sawtooth Pipefish	Listed	Species or species habitat may occur within area
<i>Mitotichthys meraculus</i> Western Crested Pipefish	Listed	Species or species habitat may occur within area
<i>Nannocampus subosseus</i> Bony-headed Pipefish	Listed	Species or species habitat may occur within area
<i>Phycodurus eques</i> Leafy Seadragon	Listed	Species or species habitat may occur within area
<i>Phyllopteryx taeniolatus</i> Weedy Seadragon, Common Seadragon	Listed	Species or species habitat may occur within area
<i>Pugnaso curtirostris</i> Pug-nosed Pipefish	Listed	Species or species habitat may occur within area
<i>Solegnathus lettiensis</i> Indonesian Pipefish, Gunther's Pipehorse	Listed	Species or species habitat may occur within area
<i>Stigmatopora argus</i> Spotted Pipefish	Listed	Species or species habitat may occur within area
<i>Stigmatopora nigra</i> Wide-bodied Pipefish, Black Pipefish	Listed	Species or species habitat may occur within area
<i>Urocampus carinirostris</i> Hairy Pipefish	Listed	Species or species habitat may occur within area
<i>Vanacampus margaritifer</i> Mother-of-pearl Pipefish	Listed	Species or species habitat may occur within area
<i>Vanacampus phillipi</i> Port Phillip Pipefish	Listed	Species or species habitat may occur within area
<i>Vanacampus poecilolaemus</i> Australian Long-snout Pipefish, Long-snouted Pipefish	Listed	Species or species habitat may occur within area
Reptiles		
<i>Caretta caretta</i> Loggerhead Turtle	Listed	Foraging known to occur within area
<i>Chelonia mydas</i> Green Turtle	Listed	Species or species habitat may occur within area
<i>Disteira kingii</i> Spectacled Seasnake	Listed	Species or species habitat may occur within area

Whales and Other Cetaceans [[Dataset Information](#)][Balaenoptera acutorostrata](#)

Minke Whale

Status Type of Presence

Cetacean Species or species habitat may occur within area

[Balaenoptera edeni](#)

Bryde's Whale

Cetacean Species or species habitat may occur within area

[Balaenoptera musculus](#)

Blue Whale

Cetacean Species or species habitat may occur within area

[Caperea marginata](#)

Pygmy Right Whale

Cetacean Species or species habitat may occur within area

[Delphinus delphis](#)

Common Dolphin, Short-beaked Common Dolphin

Cetacean Species or species habitat may occur within area

[Eubalaena australis](#)

Southern Right Whale

Cetacean Species or species habitat known to occur within area

[Grampus griseus](#)

Risso's Dolphin, Grampus

Cetacean Species or species habitat may occur within area

[Lagenorhynchus obscurus](#)

Dusky Dolphin

Cetacean Species or species habitat may occur within area

[Megaptera novaeangliae](#)

Humpback Whale

Cetacean Congregation or aggregation known to occur within area

[Orcinus orca](#)

Killer Whale, Orca

Cetacean Species or species habitat may occur within area

[Stenella attenuata](#)

Spotted Dolphin, Pantropical Spotted Dolphin

Cetacean Species or species habitat may occur within area

[Tursiops aduncus](#)

Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin

Cetacean Species or species habitat likely to occur within area

[Tursiops truncatus s. str.](#)

Bottlenose Dolphin

Cetacean Species or species habitat may occur within area

Commonwealth Lands [[Dataset Information](#)]

Defence

Unknown

Commonwealth Heritage Places [[Dataset Information](#)][Garden Island WA](#)Places on the RNE [[Dataset Information](#)]

Note that not all Indigenous sites may be listed.

Historic[Cape Peron Battery Complex WA](#)[Carlisle Castle Shipwreck WA](#)[Chalmers Shipwreck WA](#)[Dato Shipwreck WA](#)[Day Dawn Shipwreck WA](#)[Hero of the Nile Shipwreck WA](#)[Star Shipwreck WA](#)**Natural**[Garden Island WA](#)[Lake Richmond Area WA](#)[Penguin Island Reserve WA](#)[Port Kennedy Area WA](#)[Shoalwater Bay Islands Reserve WA](#)[The Sisters Reserve WA](#)[Tub Rocks Reserve WA](#)**Extra Information**

State and Territory Reserves [[Dataset Information](#)]

Port Kennedy Nature Reserve, WA

Shoalwater Bay Islands Nature Reserve, WA

Shoalwater Islands Marine Park, WA

Un-named (No. 17070) Miscellaneous Conservation Reserve, WA

Un-named (No. 43903) Nature Reserve, 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 Heritage and Register of National Estate properties, Wetlands of International 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 [migratory](#) and [marine](#) provisions of the Act have been mapped.

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.

Acknowledgments

This database has been compiled from a range of data sources. The Department acknowledges the following custodians who have contributed valuable data and advice:

- [New South Wales National Parks and Wildlife Service](#)
- [Department of Sustainability and Environment, Victoria](#)

- [Department of Primary Industries, Water and Environment, Tasmania](#)
- [Department of Environment and Heritage, South Australia Planning SA](#)
- [Parks and Wildlife Commission of the Northern Territory](#)
- [Environmental Protection Agency, Queensland](#)
- [Birds Australia](#)
- [Australian Bird and Bat Banding Scheme](#)
- [Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [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](#)
- Other groups and individuals

[ANUCliM Version 1.8, Centre for Resource and Environmental Studies, Australian National University](#) was used extensively for the production of draft maps of species distribution. Environment Australia is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Last updated: Thursday, 20-Nov-2008 14:17:56 EST

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