

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>

This map may contain data which are
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Search Type: Area

Buffer: 5 km

Coordinates: -31.69327,115.71191, -31.70296,115.71191, -31.70296,115.73754, -31.69327,115.73754

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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
<u>Wetlands of International Significance:</u> (Ramsar Sites)	1
Commonwealth Marine Areas:	None
Threatened Ecological Communities:	None
<u>Threatened Species:</u>	30
<u>Migratory Species:</u>	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>.

<u>Commonwealth Lands:</u>	1
Commonwealth Heritage Places:	None
<u>Places on the RNE:</u>	3
<u>Listed Marine Species:</u>	52
<u>Whales and Other Cetaceans:</u>	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.

<u>State and Territory Reserves:</u>	4
Other Commonwealth Reserves:	None
Regional Forest Agreements:	None

Details

Matters of National Environmental Significance

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

FORRESTDAL & THOMSONS LAKES

Within same catchment as Ramsar site

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

Birds

Anous tenuirostris melanops
Australian Lesser Noddy

Vulnerable Species or species habitat may occur within area

<u><i>Calyptorhynchus banksii naso</i></u> Forest Red-tailed Black-Cockatoo	Vulnerable	Species or species habitat may occur within area
<u><i>Calyptorhynchus latirostris</i></u> Carnaby's Black-Cockatoo, Short-billed Black-Cockatoo	Endangered	Breeding likely to occur within area
<u><i>Diomedea exulans (sensu lato)</i></u> Wandering Albatross	Vulnerable	Species or species habitat may occur within area
<u><i>Diomedea exulans amsterdamensis</i></u> Amsterdam Albatross	Endangered	Species or species habitat may occur within area
<u><i>Diomedea exulans exulans</i></u> Tristan Albatross	Endangered	Foraging, feeding or related behaviour may occur within area
<u><i>Diomedea exulans gibsoni</i></u> Gibson's Albatross	Vulnerable	Species or species habitat may occur within area
<u><i>Halobaena caerulea</i></u> Blue Petrel	Vulnerable	Species or species habitat may occur within area
<u><i>Macronectes giganteus</i></u> Southern Giant-Petrel	Endangered	Species or species habitat may occur within area
<u><i>Macronectes halli</i></u> Northern Giant-Petrel	Vulnerable	Species or species habitat may occur within area
<u><i>Pterodroma mollis</i></u> Soft-plumaged Petrel	Vulnerable	Species or species habitat may occur within area
<u><i>Thalassarche carteri</i></u> Indian Yellow-nosed Albatross	Vulnerable	Foraging, feeding or related behaviour may occur within area
<u><i>Thalassarche cauta cauta</i></u>	Vulnerable	Species or species habitat may

Shy Albatross, Tasmanian Shy Albatross

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 likely to 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 likely to occur within area

[*Megaptera novaeangliae*](#)

Humpback Whale

Vulnerable Species or species habitat known to occur within area

[*Neophoca cinerea*](#)

Australian Sea-lion

Vulnerable Species or species habitat may occur within area

Reptiles

[*Caretta caretta*](#)

Loggerhead Turtle

Endangered Species or species habitat known to occur within area

[*Chelonia mydas*](#)

Green Turtle

Vulnerable Species or species habitat likely to occur within area

[*Dermochelys coriacea*](#)
Leatherback Turtle, Leathery Turtle, Luth Endangered Species or species habitat likely to occur within area

[*Natator depressus*](#)
Flatback Turtle Vulnerable Species or species habitat known to 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

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

Plants

[*Centrolepis caespitosa*](#) Endangered Species or species habitat may occur within area

[*Darwinia foetida*](#)
Muchea Bell Critically Endangered Species or species habitat may 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 acuminata*](#)
Sharp-tailed Sandpiper

Migratory Species or species habitat known to occur within area

[*Calidris ruficollis*](#)
Red-necked Stint

Migratory Species or species habitat known 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*](#)

Migratory Species or species habitat may

Amsterdam Albatross		occur within area
<u>Diomedea dabbenena</u> Tristan Albatross	Migratory	Foraging, feeding or related behaviour may occur within area
<u>Diomedea exulans (sensu lato)</u> Wandering Albatross	Migratory	Species or species habitat may occur within area
<u>Diomedea gibsoni</u> Gibson's Albatross	Migratory	Species or species habitat may occur within area
<u>Macronectes giganteus</u> Southern Giant-Petrel	Migratory	Species or species habitat may occur within area
<u>Macronectes halli</u> Northern Giant-Petrel	Migratory	Species or species habitat may occur within area
<u>Thalassarche carteri</u> Indian Yellow-nosed Albatross	Migratory	Foraging, feeding or related behaviour may occur within area
<u>Thalassarche cauta (sensu stricto)</u> Shy Albatross, Tasmanian Shy Albatross	Migratory	Species or species habitat may occur within area
<u>Thalassarche chlororhynchos</u> Yellow-nosed Albatross, Atlantic Yellow-nosed Albatross, Indian Yellow-nosed Albatross	Migratory	Species or species habitat may occur within area
<u>Thalassarche melanophris</u> Black-browed Albatross	Migratory	Species or species habitat may occur within area

Migratory Marine Species

Mammals

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

Reptiles

<u><i>Caretta caretta</i></u> Loggerhead Turtle	Migratory	Species or species habitat known to occur within area
<u><i>Chelonia mydas</i></u> Green Turtle	Migratory	Species or species habitat likely to occur within area
<u><i>Dermochelys coriacea</i></u> Leatherback Turtle, Leathery Turtle, Luth	Migratory	Species or species habitat likely to occur within area
<u><i>Natator depressus</i></u> Flatback Turtle	Migratory	Species or species habitat known to 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](#)]

Status Type of Presence

Birds

[*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 acuminata*](#)
Sharp-tailed Sandpiper

Listed Species or species habitat known to occur within area

[*Calidris ruficollis*](#)

Listed - Species or species habitat known to

Red-necked Stint	overfly marine area	occur within area
<u><i>Catharacta skua</i></u> Great Skua	Listed	Species or species habitat may occur within area
<u><i>Diomedea amsterdamensis</i></u> Amsterdam Albatross	Listed	Species or species habitat may occur within area
<u><i>Diomedea dabbenena</i></u> Tristan Albatross	Listed	Foraging, feeding or related behaviour may occur within area
<u><i>Diomedea exulans (sensu lato)</i></u> Wandering Albatross	Listed	Species or species habitat may occur within area
<u><i>Diomedea gibsoni</i></u> Gibson's Albatross	Listed	Species or species habitat may occur within area
<u><i>Haliaeetus leucogaster</i></u> White-bellied Sea-Eagle	Listed	Species or species habitat likely to occur within area
<u><i>Halobaena caerulea</i></u> Blue Petrel	Listed	Species or species habitat may occur within area
<u><i>Himantopus himantopus</i></u> Black-winged Stilt	Listed - overfly marine area	Species or species habitat known to occur within area
<u><i>Macronectes giganteus</i></u> Southern Giant-Petrel	Listed	Species or species habitat may occur within area
<u><i>Macronectes halli</i></u> Northern Giant-Petrel	Listed	Species or species habitat may occur within area

<u><i>Merops ornatus</i></u> Rainbow Bee-eater	Listed - overfly marine area	Species or species habitat may occur within area
<u><i>Pterodroma mollis</i></u> Soft-plumaged Petrel	Listed	Species or species habitat may occur within area
<u><i>Recurvirostra novaehollandiae</i></u> Red-necked Avocet	Listed - overfly marine area	Species or species habitat known to occur within area
<u><i>Thalassarche carteri</i></u> Indian Yellow-nosed Albatross	Listed	Foraging, feeding or related behaviour may occur within area
<u><i>Thalassarche cauta (sensu stricto)</i></u> Shy Albatross, Tasmanian Shy Albatross	Listed	Species or species habitat may occur within area
<u><i>Thalassarche chlororhynchos</i></u> Yellow-nosed Albatross, Atlantic Yellow- nosed Albatross, Indian Yellow-nosed Albatross	Listed	Species or species habitat may occur within area
<u><i>Thalassarche melanophris</i></u> Black-browed Albatross	Listed	Species or species habitat may occur within area

Mammals

<u><i>Arctocephalus forsteri</i></u> New Zealand Fur-seal	Listed	Species or species habitat may occur within area
<u><i>Neophoca cinerea</i></u> Australian Sea-lion	Listed	Species or species habitat may occur within area

Ray-finned fishes

<u><i>Acentronura australe</i></u> Southern Pygmy Pipehorse	Listed	Species or species habitat may occur within area
<u><i>Campichthys galei</i></u> Gale's Pipefish	Listed	Species or species habitat may occur within area
<u><i>Choeroichthys suillus</i></u> Pig-snouted Pipefish	Listed	Species or species habitat may occur within area
<u><i>Halicampus brocki</i></u> Brock's Pipefish	Listed	Species or species habitat may occur within area
<u><i>Hippocampus angustus</i></u> Western Spiny Seahorse, Narrow-bellied Seahorse	Listed	Species or species habitat may occur within area
<u><i>Hippocampus breviceps</i></u> Short-head Seahorse, Short-snouted Seahorse	Listed	Species or species habitat may occur within area
<u><i>Hippocampus subelongatus</i></u> West Australian Seahorse	Listed	Species or species habitat may occur within area
<u><i>Lissocampus fatiloquus</i></u> Prophet's Pipefish	Listed	Species or species habitat may occur within area
<u><i>Maroubra perserrata</i></u> Sawtooth Pipefish	Listed	Species or species habitat may occur within area
<u><i>Mitotichthys meraculus</i></u> Western Crested Pipefish	Listed	Species or species habitat may occur within area
<u><i>Nannocampus subosseus</i></u> Bonyhead Pipefish, Bony-headed Pipefish	Listed	Species or species habitat may occur within area
<u><i>Phycodurus eques</i></u>	Listed	Species or species habitat may

Leafy Seadragon

occur within area

[*Phyllopteryx taeniolatus*](#)

Common Seadragon, Weedy Seadragon

Listed

Species or species habitat may occur within area

[*Pugnaso curtirostris*](#)

Pugnose Pipefish, Pug-nosed Pipefish

Listed

Species or species habitat may occur within area

[*Solegnathus lettiensis*](#)

Gunther's Pipehorse, Indonesian Pipefish

Listed

Species or species habitat may occur within area

[*Stigmatopora argus*](#)

Spotted Pipefish, Gulf Pipefish

Listed

Species or species habitat may occur within area

[*Stigmatopora nigra*](#)

Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish

Listed

Species or species habitat may occur within area

[*Syngnathoides biaculeatus*](#)

Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish

Listed

Species or species habitat may occur within area

[*Urocampus carinirostris*](#)

Hairy Pipefish

Listed

Species or species habitat may occur within area

[*Vanacampus margaritifer*](#)

Mother-of-pearl Pipefish

Listed

Species or species habitat may occur within area

Reptiles

[*Aipysurus pooleorum*](#)

Shark Bay Seasnake

Listed

Species or species habitat may occur within area

[*Caretta caretta*](#)

Loggerhead Turtle

Listed

Species or species habitat known to occur within area

<u>Chelonia mydas</u> Green Turtle	Listed	Species or species habitat likely to occur within area
<u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth	Listed	Species or species habitat likely to occur within area
<u>Disteira kingii</u> Spectacled Seasnake	Listed	Species or species habitat may occur within area
<u>Natator depressus</u> Flatback Turtle	Listed	Species or species habitat known to occur within area
<u>Pelamis platurus</u> Yellow-bellied Seasnake	Listed	Species or species habitat may occur within area

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

Status Type of Presence

<u>Balaenoptera acutorostrata</u> Minke Whale	Cetacean	Species or species habitat may occur within area
<u>Balaenoptera edeni</u> Bryde's Whale	Cetacean	Species or species habitat may occur within area
<u>Balaenoptera musculus</u> Blue Whale	Cetacean	Species or species habitat may occur within area
<u>Caperea marginata</u> Pygmy Right Whale	Cetacean	Species or species habitat may occur within area
<u>Delphinus delphis</u> Common Dolphin, Short-beaked Common Dolphin	Cetacean	Species or species habitat may occur within area
<u>Eubalaena australis</u>	Cetacean	Species or species habitat likely to

Southern Right Whale

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 Species or species habitat 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](#)]

Unknown

Places on the RNE [[Dataset Information](#)]

Note that not all Indigenous sites may be listed.

Indigenous

[Orchestra Shell Cave WA](#)

Natural

[Lake Joondalup Reserves WA](#)

[Neerabup National Park WA](#)

Extra Information

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

Lake Joondalup Nature Reserve, WA

Marmion Marine Park, WA

Neerabup National Park, WA

Un-named (No. 43290) Conservation Park, 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.