

EPBC Act Protected Matters Report

28 May 2008 15:45

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
© Commonwealth of Australia
(Geoscience Australia)
© 2007 MapData Sciences Pty Ltd, PSMA

Search Type: Line
Buffer: 0 km
Coordinates: -20.30568,118.56429, -20.31652,118.57807, -20.33730,118.59184, -20.33865,118.57265, -20.33098,118.55865, -20.31901,118.56565, -20.30546,118.56452, -20.30546,118.56452, -20.3054,118.56452



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)	None
Commonwealth Marine Areas:	None
Threatened Ecological Communities:	None
<u>Threatened Species:</u>	10
<u>Migratory Species:</u>	24

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:	None
Commonwealth Heritage Places:	None
Places on the RNE:	None
<u>Listed Marine Species:</u>	58
<u>Whales and Other Cetaceans:</u>	11
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:	None
Other Commonwealth Reserves:	None
Regional Forest Agreements:	None

Details

Matters of National Environmental Significance

Threatened Species [Dataset Information]	Status	Type of Presence
--	--------	------------------

Birds

Macronectes giganteus Southern Giant-Petrel	Endangered	Species or species habitat may occur within area
--	------------	--

Mammals

Dasyurus hallucatus Northern Quoll	Endangered	Species or species habitat may occur within area
---	------------	--

Megaptera novaeangliae Humpback Whale	Vulnerable	Species or species habitat known to occur within area
--	------------	---

Rhinonictis aurantius (Pilbara form) Pilbara Leaf-nosed Bat	Vulnerable	Community likely to occur within area
--	------------	---------------------------------------

Reptiles

Caretta caretta Loggerhead Turtle	Endangered	Species or species habitat may occur within area
--	------------	--

Chelonia mydas Green Turtle	Vulnerable	Species or species habitat may occur within area
--	------------	--

Dermochelys coriacea Leathery Turtle, Leatherback Turtle, Luth	Vulnerable	Species or species habitat may occur within area
---	------------	--

Eretmochelys imbricata Hawksbill Turtle	Vulnerable	Species or species habitat may occur within area
--	------------	--

Natator depressus Flatback Turtle	Vulnerable	Breeding likely to occur within area
--	------------	--------------------------------------

Sharks

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
---	-----------	--

Hirundo rustica Barn Swallow	Migratory	Species or species habitat may 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	Migratory	Species or species habitat may
----------------------------	-----------	--------------------------------

Cattle Egret		occur within area
<u>Charadrius veredus</u>	Migratory	Species or species habitat may occur within area
Oriental Plover, Oriental Dotterel		
<u>Glareola maldivarum</u>	Migratory	Species or species habitat may occur within area
Oriental Pratincole		
<u>Numenius minutus</u>	Migratory	Species or species habitat may occur within area
Little Curlew, Little Whimbrel		
Migratory Marine Birds		
<u>Apus pacificus</u>	Migratory	Species or species habitat may occur within area
Fork-tailed Swift		
<u>Ardea alba</u>	Migratory	Species or species habitat may occur within area
Great Egret, White Egret		
<u>Ardea ibis</u>	Migratory	Species or species habitat may occur within area
Cattle Egret		
<u>Macronectes giganteus</u>	Migratory	Species or species habitat may occur within area
Southern Giant-Petrel		
Migratory Marine Species		
Mammals		
<u>Balaenoptera edeni</u>	Migratory	Species or species habitat may occur within area
Bryde's Whale		
<u>Dugong dugon</u>	Migratory	Species or species habitat likely to occur within area
Dugong		
<u>Megaptera novaeangliae</u>	Migratory	Species or species habitat known to occur within area
Humpback Whale		
<u>Orcinus orca</u>	Migratory	Species or species habitat may occur within area
Killer Whale, Orca		
<u>Sousa chinensis</u>	Migratory	Species or species habitat may occur within area
Indo-Pacific Humpback Dolphin		
<u>Tursiops aduncus (Arafura/Timor Sea populations)</u>	Migratory	Species or species habitat likely to occur within area
Spotted Bottlenose Dolphin (Arafura/Timor Sea populations)		
Reptiles		
<u>Caretta caretta</u>	Migratory	Species or species habitat may occur within area
Loggerhead Turtle		
<u>Chelonia mydas</u>	Migratory	Species or species habitat may occur within area
Green Turtle		
<u>Dermochelys coriacea</u>	Migratory	Species or species habitat may occur within area
Leathery Turtle, Leatherback Turtle, Luth		
<u>Eretmochelys imbricata</u>	Migratory	Species or species habitat may occur within area
Hawksbill Turtle		

[*Natator depressus*](#)
Flatback Turtle

Migratory Breeding likely to occur within area

Sharks

[*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

[*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

[*Charadrius veredus*](#)
Oriental Plover, Oriental Dotterel

Listed - overfly marine area Species or species habitat may occur within area

[*Glareola maldivarum*](#)
Oriental Pratincole

Listed - overfly marine area Species or species habitat may occur within area

[*Haliaeetus leucogaster*](#)
White-bellied Sea-Eagle

Listed Species or species habitat likely to occur within area

[*Hirundo rustica*](#)
Barn Swallow

Listed - overfly marine area Species or species habitat may occur within area

[*Macronectes giganteus*](#)
Southern 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

<u>Numenius minutus</u> Little Curlew, Little Whimbrel	Listed - overfly marine area	Species or species habitat may occur within area
Mammals		
<u>Dugong dugon</u> Dugong	Listed	Species or species habitat likely to occur within area
Ray-finned fishes		
<u>Bulbonaricus brauni</u> Braun's Pughead Pipefish, Pug-headed Pipefish	Listed	Species or species habitat may occur within area
<u>Campichthys tricarinatus</u> Three-keel Pipefish	Listed	Species or species habitat may occur within area
<u>Choeroichthys brachysoma</u> Pacific Short-bodied Pipefish, Short-bodied Pipefish	Listed	Species or species habitat may occur within area
<u>Choeroichthys suillus</u> Pig-snouted Pipefish	Listed	Species or species habitat may occur within area
<u>Doryrhamphus janssi</u> Cleaner Pipefish, Janss' Pipefish	Listed	Species or species habitat may occur within area
<u>Doryrhamphus negrosensis</u> Flagtail Pipefish, Negros Pipefish	Listed	Species or species habitat may occur within area
<u>Festucalex scalaris</u> Ladder Pipefish	Listed	Species or species habitat may occur within area
<u>Filicampus tigris</u> Tiger Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus brocki</u> Brock's Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus grayi</u> Mud Pipefish, Gray's Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus nitidus</u> Glittering Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus spinirostris</u> Spiny-snout Pipefish	Listed	Species or species habitat may occur within area
<u>Haliichthys taeniophorus</u> Ribboned Seadragon, Ribboned Pipefish	Listed	Species or species habitat may occur within area
<u>Hippichthys penicillus</u> Beady Pipefish, Steep-nosed Pipefish	Listed	Species or species habitat may occur within area
<u>Hippocampus angustus</u> Western Spiny Seahorse, Narrow-bellied Seahorse	Listed	Species or species habitat may occur within area

<u>Hippocampus histrix</u> Spiny Seahorse	Listed	Species or species habitat may occur within area
<u>Hippocampus kuda</u> Spotted Seahorse, Yellow Seahorse	Listed	Species or species habitat may occur within area
<u>Hippocampus planifrons</u> Flat-face Seahorse	Listed	Species or species habitat may occur within area
<u>Micrognathus micronotopterus</u> Tidepool Pipefish	Listed	Species or species habitat may occur within area
<u>Solegnathus hardwickii</u> Pipehorse	Listed	Species or species habitat may occur within area
<u>Solegnathus lettiensis</u> Indonesian Pipefish, Gunther's Pipehorse	Listed	Species or species habitat may occur within area
<u>Solenostomus cyanopterus</u> Blue-finned Ghost Pipefish, Robust Ghost Pipefish	Listed	Species or species habitat may occur within area
<u>Syngnathoides biaculeatus</u> Double-ended Pipehorse, Alligator Pipefish	Listed	Species or species habitat may occur within area
<u>Trachyrhamphus bicoarctatus</u> Bend Stick Pipefish, Short-tailed Pipefish	Listed	Species or species habitat may occur within area
<u>Trachyrhamphus longirostris</u> Long-nosed Pipefish, Straight Stick Pipefish	Listed	Species or species habitat may occur within area
Reptiles		
<u>Acalyptophis peronii</u> Horned Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus apraefrontalis</u> Short-nosed Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus duboisii</u> Dubois' Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus eydouxii</u> Spine-tailed Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus laevis</u> Olive Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus tenuis</u> Brown-lined Seasnake	Listed	Species or species habitat may occur within area
<u>Astrotia stokesii</u> Stokes' Seasnake	Listed	Species or species habitat may occur within area
<u>Caretta caretta</u> Loggerhead Turtle	Listed	Species or species habitat may occur within area
<u>Chelonia mydas</u> Green Turtle	Listed	Species or species habitat may occur within area
<u>Dermochelys coriacea</u>	Listed	Species or species habitat may

Leathery Turtle, Leatherback Turtle, Luth		occur within area
<i>Disteira kingii</i> Spectacled Seasnake	Listed	Species or species habitat may occur within area
<i>Disteira major</i> Olive-headed Seasnake	Listed	Species or species habitat may occur within area
<i>Emydocephalus annulatus</i> Turtle-headed Seasnake	Listed	Species or species habitat may occur within area
<i>Ephalophis greyi</i> North-western Mangrove Seasnake	Listed	Species or species habitat may occur within area
<i>Eretmochelys imbricata</i> Hawksbill Turtle	Listed	Species or species habitat may occur within area
<i>Hydrelaps darwiniensis</i> Black-ringed Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis czebalukovi</i> Fine-spined Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis elegans</i> Elegant Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis mcdowellii</i>	Listed	Species or species habitat may occur within area
<i>Hydrophis ornatus</i> a seasnake	Listed	Species or species habitat may occur within area
<i>Natator depressus</i> Flatback Turtle	Listed	Breeding likely to occur within area
<i>Pelamis platurus</i> Yellow-bellied Seasnake	Listed	Species or species habitat may occur within area
Whales and Other Cetaceans [Dataset Information]	Status	Type of Presence
<i>Balaenoptera acutorostrata</i> Minke Whale	Cetacean	Species or species habitat may occur within area
<i>Balaenoptera edeni</i> Bryde's Whale	Cetacean	Species or species habitat may occur within area
<i>Delphinus delphis</i> Common Dolphin	Cetacean	Species or species habitat may occur within area
<i>Grampus griseus</i> Risso's Dolphin, Grampus	Cetacean	Species or species habitat may occur within area
<i>Megaptera novaeangliae</i> Humpback Whale	Cetacean	Species or species habitat known to occur within area
<i>Orcinus orca</i> Killer Whale, Orca	Cetacean	Species or species habitat may occur within area
<i>Sousa chinensis</i> Indo-Pacific Humpback Dolphin	Cetacean	Species or species habitat may occur within area

<i>Stenella attenuata</i> Spotted Dolphin, Pantropical Spotted Dolphin	Cetacean	Species or species habitat may occur within area
<i>Tursiops aduncus (Arafura/Timor Sea populations)</i> Spotted Bottlenose Dolphin (Arafura/Timor Sea populations)	Cetacean	Species or species habitat likely to occur within area
<i>Tursiops aduncus</i> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin	Cetacean	Species or species habitat likely to occur within area
<i>Tursiops truncatus s. str.</i> Bottlenose Dolphin	Cetacean	Species or species habitat may occur within area

Caveat

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

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the *Environment Protection and Biodiversity Conservation Act 1999*. It holds mapped locations of World 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.

[Top](#) | [About us](#) | [Advanced search](#) | [Contact us](#) | [Information services](#) | [Publications](#) | [Site index](#) | [What's new](#)

[Accessibility](#) | [Disclaimer](#) | [Privacy](#) | [© Commonwealth of Australia 2004](#)

Last updated:

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

GPO Box 787 Canberra ACT 2601 Australia

Telephone: +61 (0)2 6274 1111

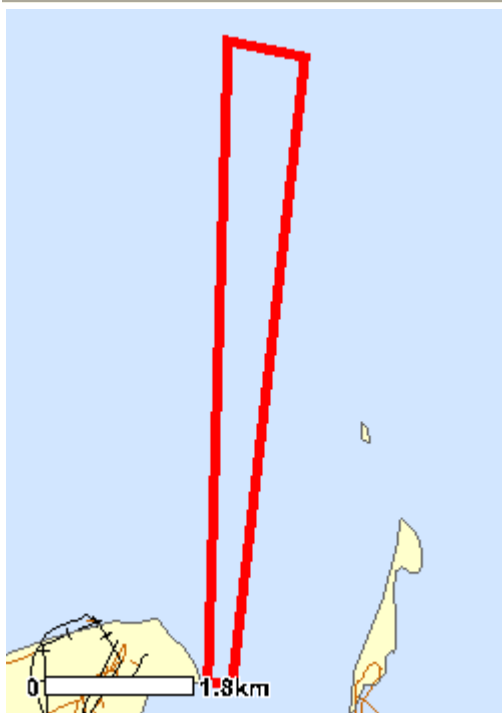
EPBC Act Protected Matters Report

28 May 2008 15:49

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
© Commonwealth of Australia
(Geoscience Australia)
© 2007 MapData Sciences Pty Ltd, PSMA

Search Type: Line
Buffer: 0 km
Coordinates: -20.30230,118.57491, -20.23094,118.57716, -20.23274,118.58575, -20.30275,118.57762, -20.3027,118.57536



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)	None
Commonwealth Marine Areas:	None
Threatened Ecological Communities:	None
<u>Threatened Species:</u>	11
<u>Migratory Species:</u>	25

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:	None
Commonwealth Heritage Places:	None
Places on the RNE:	None
<u>Listed Marine Species:</u>	58
<u>Whales and Other Cetaceans:</u>	12
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:	None
Other Commonwealth Reserves:	None
Regional Forest Agreements:	None

Details

Matters of National Environmental Significance

Threatened Species [Dataset Information]	Status	Type of Presence
--	--------	------------------

Birds

<i>Macronectes giganteus</i> Southern Giant-Petrel	Endangered	Species or species habitat may occur within area
---	------------	--

Mammals

<i>Balaenoptera musculus</i> Blue Whale	Endangered	Species or species habitat may occur within area
--	------------	--

<i>Dasyurus hallucatus</i> Northern Quoll	Endangered	Species or species habitat may occur within area
--	------------	--

<i>Megaptera novaeangliae</i> Humpback Whale	Vulnerable	Species or species habitat known to occur within area
---	------------	---

<i>Rhinonictoris aurantius (Pilbara form)</i> Pilbara Leaf-nosed Bat	Vulnerable	Community likely to occur within area
---	------------	---------------------------------------

Reptiles

<i>Caretta caretta</i> Loggerhead Turtle	Endangered	Species or species habitat may occur within area
---	------------	--

<i>Chelonia mydas</i> Green Turtle	Vulnerable	Species or species habitat may occur within area
---	------------	--

<i>Dermochelys coriacea</i> Leathery Turtle, Leatherback Turtle, Luth	Vulnerable	Species or species habitat may occur within area
--	------------	--

<i>Eretmochelys imbricata</i> Hawksbill Turtle	Vulnerable	Species or species habitat may occur within area
---	------------	--

<i>Natator depressus</i> Flatback Turtle	Vulnerable	Breeding likely to occur within area
---	------------	--------------------------------------

Sharks

<i>Rhincodon typus</i> Whale Shark	Vulnerable	Species or species habitat may occur within area
---	------------	--

Migratory Species [Dataset Information]	Status	Type of Presence
---	--------	------------------

Migratory Terrestrial Species

Birds

<i>Haliaeetus leucogaster</i> White-bellied Sea-Eagle	Migratory	Species or species habitat likely to occur within area
--	-----------	--

<i>Hirundo rustica</i> Barn Swallow	Migratory	Species or species habitat may occur within area
--	-----------	--

<i>Merops ornatus</i> Rainbow Bee-eater	Migratory	Species or species habitat may occur within area
--	-----------	--

Migratory Wetland Species

Birds

<i>Ardea alba</i>	Migratory	Species or species habitat may
-----------------------------------	-----------	--------------------------------

Great Egret, White Egret		occur within area
<i>Ardea ibis</i> Cattle Egret	Migratory	Species or species habitat may occur within area
<i>Charadrius veredus</i> Oriental Plover, Oriental Dotterel	Migratory	Species or species habitat may occur within area
<i>Glareola maldivarum</i> Oriental Pratincole	Migratory	Species or species habitat may occur within area
<i>Numenius minutus</i> Little Curlew, Little Whimbrel	Migratory	Species or species habitat may occur within area

Migratory Marine Birds

<i>Apus pacificus</i> Fork-tailed Swift	Migratory	Species or species habitat may occur within area
<i>Ardea alba</i> Great Egret, White Egret	Migratory	Species or species habitat may occur within area
<i>Ardea ibis</i> Cattle Egret	Migratory	Species or species habitat may occur within area
<i>Macronectes giganteus</i> Southern Giant-Petrel	Migratory	Species or species habitat may occur within area

Migratory Marine Species

Mammals

<i>Balaenoptera edeni</i> Bryde's Whale	Migratory	Species or species habitat may occur within area
<i>Balaenoptera musculus</i> Blue Whale	Migratory	Species or species habitat may occur within area
<i>Dugong dugon</i> Dugong	Migratory	Species or species habitat likely to occur within area
<i>Megaptera novaeangliae</i> Humpback Whale	Migratory	Species or species habitat known to occur within area
<i>Orcinus orca</i> Killer Whale, Orca	Migratory	Species or species habitat may occur within area
<i>Sousa chinensis</i> Indo-Pacific Humpback Dolphin	Migratory	Species or species habitat may occur within area
<i>Tursiops aduncus (Arafura/Timor Sea populations)</i> Spotted Bottlenose Dolphin (Arafura/Timor Sea populations)	Migratory	Species or species habitat likely to occur within area

Reptiles

<i>Caretta caretta</i> Loggerhead Turtle	Migratory	Species or species habitat may occur within area
<i>Chelonia mydas</i> Green Turtle	Migratory	Species or species habitat may occur within area

<i>Dermochelys coriacea</i> Leathery Turtle, Leatherback Turtle, Luth	Migratory	Species or species habitat may occur within area
<i>Eretmochelys imbricata</i> Hawksbill Turtle	Migratory	Species or species habitat may occur within area
<i>Natator depressus</i> Flatback Turtle	Migratory	Breeding likely to occur within area
Sharks		
<i>Rhincodon typus</i> 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
<i>Apus pacificus</i> Fork-tailed Swift	Listed - overfly marine area	Species or species habitat may occur within area
<i>Ardea alba</i> Great Egret, White Egret	Listed - overfly marine area	Species or species habitat may occur within area
<i>Ardea ibis</i> Cattle Egret	Listed - overfly marine area	Species or species habitat may occur within area
<i>Charadrius veredus</i> Oriental Plover, Oriental Dotterel	Listed - overfly marine area	Species or species habitat may occur within area
<i>Glareola maldivarum</i> Oriental Pratincole	Listed - overfly marine area	Species or species habitat may occur within area
<i>Haliaeetus leucogaster</i> White-bellied Sea-Eagle	Listed	Species or species habitat likely to occur within area
<i>Hirundo rustica</i> Barn Swallow	Listed - overfly marine area	Species or species habitat may occur within area
<i>Macronectes giganteus</i> Southern Giant-Petrel	Listed	Species or species habitat may occur within area

<u>Merops ornatus</u> Rainbow Bee-eater	Listed - overfly marine area	Species or species habitat may occur within area
<u>Numenius minutus</u> Little Curlew, Little Whimbrel	Listed - overfly marine area	Species or species habitat may occur within area
Mammals		
<u>Dugong dugon</u> Dugong	Listed	Species or species habitat likely to occur within area
Ray-finned fishes		
<u>Bulbonaricus brauni</u> Braun's Pughead Pipefish, Pug-headed Pipefish	Listed	Species or species habitat may occur within area
<u>Campichthys tricarinatus</u> Three-keel Pipefish	Listed	Species or species habitat may occur within area
<u>Choeroichthys brachysoma</u> Pacific Short-bodied Pipefish, Short-bodied Pipefish	Listed	Species or species habitat may occur within area
<u>Choeroichthys suillus</u> Pig-snouted Pipefish	Listed	Species or species habitat may occur within area
<u>Doryrhamphus janssi</u> Cleaner Pipefish, Janss' Pipefish	Listed	Species or species habitat may occur within area
<u>Doryrhamphus negrosensis</u> Flagtail Pipefish, Negros Pipefish	Listed	Species or species habitat may occur within area
<u>Festucalex scalaris</u> Ladder Pipefish	Listed	Species or species habitat may occur within area
<u>Filicampus tigris</u> Tiger Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus brocki</u> Brock's Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus grayi</u> Mud Pipefish, Gray's Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus nitidus</u> Glittering Pipefish	Listed	Species or species habitat may occur within area
<u>Halicampus spinostris</u> Spiny-snout Pipefish	Listed	Species or species habitat may occur within area
<u>Haliichthys taeniophorus</u> Ribboned Seadragon, Ribboned Pipefish	Listed	Species or species habitat may occur within area
<u>Hippichthys penicillus</u> Beady Pipefish, Steep-nosed Pipefish	Listed	Species or species habitat may occur within area

<u>Hippocampus angustus</u> Western Spiny Seahorse, Narrow-bellied Seahorse	Listed	Species or species habitat may occur within area
<u>Hippocampus histrix</u> Spiny Seahorse	Listed	Species or species habitat may occur within area
<u>Hippocampus kuda</u> Spotted Seahorse, Yellow Seahorse	Listed	Species or species habitat may occur within area
<u>Hippocampus planifrons</u> Flat-face Seahorse	Listed	Species or species habitat may occur within area
<u>Micrognathus micronotopterus</u> Tidepool Pipefish	Listed	Species or species habitat may occur within area
<u>Solegnathus hardwickii</u> Pipehorse	Listed	Species or species habitat may occur within area
<u>Solegnathus lettiensis</u> Indonesian Pipefish, Gunther's Pipehorse	Listed	Species or species habitat may occur within area
<u>Solenostomus cyanopterus</u> Blue-finned Ghost Pipefish, Robust Ghost Pipefish	Listed	Species or species habitat may occur within area
<u>Syngnathoides biaculeatus</u> Double-ended Pipehorse, Alligator Pipefish	Listed	Species or species habitat may occur within area
<u>Trachyrhamphus bicoarctatus</u> Bend Stick Pipefish, Short-tailed Pipefish	Listed	Species or species habitat may occur within area
<u>Trachyrhamphus longirostris</u> Long-nosed Pipefish, Straight Stick Pipefish	Listed	Species or species habitat may occur within area
Reptiles		
<u>Acalyptophis peronii</u> Horned Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus apraefrontalis</u> Short-nosed Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus duboisii</u> Dubois' Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus eydouxii</u> Spine-tailed Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus laevis</u> Olive Seasnake	Listed	Species or species habitat may occur within area
<u>Aipysurus tenuis</u> Brown-lined Seasnake	Listed	Species or species habitat may occur within area
<u>Astrotia stokesii</u> Stokes' Seasnake	Listed	Species or species habitat may occur within area
<u>Caretta caretta</u> Loggerhead Turtle	Listed	Species or species habitat may occur within area

<i>Chelonia mydas</i> Green Turtle	Listed	Species or species habitat may occur within area
<i>Dermochelys coriacea</i> Leathery Turtle, Leatherback Turtle, Luth	Listed	Species or species habitat may occur within area
<i>Disteira kingii</i> Spectacled Seasnake	Listed	Species or species habitat may occur within area
<i>Disteira major</i> Olive-headed Seasnake	Listed	Species or species habitat may occur within area
<i>Emydocephalus annulatus</i> Turtle-headed Seasnake	Listed	Species or species habitat may occur within area
<i>Ephalophis greyi</i> North-western Mangrove Seasnake	Listed	Species or species habitat may occur within area
<i>Eretmochelys imbricata</i> Hawksbill Turtle	Listed	Species or species habitat may occur within area
<i>Hydrelaps darwiniensis</i> Black-ringed Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis czebalukovi</i> Fine-spined Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis elegans</i> Elegant Seasnake	Listed	Species or species habitat may occur within area
<i>Hydrophis mcdowelli</i>	Listed	Species or species habitat may occur within area
<i>Hydrophis ornatus</i> a seasnake	Listed	Species or species habitat may occur within area
<i>Natator depressus</i> Flatback Turtle	Listed	Breeding likely to occur within area
<i>Pelamis platurus</i> Yellow-bellied Seasnake	Listed	Species or species habitat may occur within area
Whales and Other Cetaceans [Dataset Information]	Status	Type of Presence
<i>Balaenoptera acutorostrata</i> Minke Whale	Cetacean	Species or species habitat may occur within area
<i>Balaenoptera edeni</i> Bryde's Whale	Cetacean	Species or species habitat may occur within area
<i>Balaenoptera musculus</i> Blue Whale	Cetacean	Species or species habitat may occur within area
<i>Delphinus delphis</i> Common Dolphin	Cetacean	Species or species habitat may occur within area
<i>Grampus griseus</i> Risso's Dolphin, Grampus	Cetacean	Species or species habitat may occur within area
<i>Megaptera novaeangliae</i>	Cetacean	Species or species habitat known to

Humpback Whale		occur within area
<i>Orcinus orca</i> Killer Whale, Orca	Cetacean	Species or species habitat may occur within area
<i>Sousa chinensis</i> Indo-Pacific Humpback Dolphin	Cetacean	Species or species habitat may occur within area
<i>Stenella attenuata</i> Spotted Dolphin, Pantropical Spotted Dolphin	Cetacean	Species or species habitat may occur within area
<i>Tursiops aduncus (Arafura/Timor Sea populations)</i> Spotted Bottlenose Dolphin (Arafura/Timor Sea populations)	Cetacean	Species or species habitat likely to occur within area
<i>Tursiops aduncus</i> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin	Cetacean	Species or species habitat likely to occur within area
<i>Tursiops truncatus s. str.</i> Bottlenose Dolphin	Cetacean	Species or species habitat may occur within area

Caveat

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

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the *Environment Protection and Biodiversity Conservation Act 1999*. It holds mapped locations of World 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.

[Top](#) | [About us](#) | [Advanced search](#) | [Contact us](#) | [Information services](#) | [Publications](#) | [Site index](#) | [What's new](#)

[Accessibility](#) | [Disclaimer](#) | [Privacy](#) | [© Commonwealth of Australia 2004](#)

Last updated:

[Department of the Environment, Water, Heritage and the Arts](#)
GPO Box 787 Canberra ACT 2601 Australia
Telephone: +61 (0)2 6274 1111