## Appendix F Biodiversity database searches

Data from the BioNet BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.14%). Copyright the State of NSW through the Office of Environment and Heritage. Search cretera : Public Report of all Vaid Records of Threatened (listed on TSC Act 1995) or Commonwealth listed Communities in selected area [North: -33.92 West: 151.03 East: 151.13 South: -34.02] returned 0 records for 29 entities. Report generated on 30/04/2019 2:45 PM

Kingdom	ted on 30/04/2 Class	Family	Species	Scientific Name	Exotic	Common Name	NSW		Record	Info
Community			Code	Agnes Banks Woodland		Agnes Banks Woodland in	status E4B	status E	s K	i
Community				in the Sydney Basin Bioreaion Bangalay Sand Forest of the Sydney Basin and		the Sydney Basin Bioregion Bangalay Sand Forest of the Sydney Basin and South East	E3		к	i
Community				South East Corner bioregions Blue Gum High Forest in the Sydney Basin		Corner bioregions Blue Gum High Forest in the Sydney Basin Bioregion	E4B	CE	к	i
Community				Bioregion Blue Mountains Shale Cap Forest in the		Blue Mountains Shale Cap Forest in the Sydney Basin	E3	CE	к	i
Community				Sydney Basin Bioregion Castlereagh Scribbly Gum Woodland in the		Bioregion Castlereagh Scribbly Gum Woodland in the Sydney	V2	E	к	i
Community				Sydney Basin Bioregion Castlereagh Swamp Woodland Community		Basin Bioregion Castlereagh Swamp Woodland Community	E3		к	i
Community				Coastal Saltmarsh in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Coastal Saltmarsh in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3	V	к	i
Community				Coastal Upland Swamp in the Sydney Basin Bioregion		Coastal Upland Swamp in the Sydney Basin Bioregion	E3	E	к	i
Community				Cooks River/Castlereagh Ironbark Forest in the Sydney Basin Bioregion		Cooks River/Castlereagh Ironbark Forest in the Sydney Basin Bioregion	E3	CE	к	i
Community				Cumberland Plain Woodland in the Sydney Basin Bioregion		Cumberland Plain Woodland in the Sydney Basin Bioregion	E4B	CE	к	i
Community				Duffys Forest Ecological Community in the Sydney Basin Bioregion		Duffys Forest Ecological Community in the Sydney Basin Bioregion	E3		к	i
Community				Eastern Suburbs Banksia Scrub in the Sydney Basin Bioregion		Eastern Suburbs Banksia Scrub in the Sydney Basin Bioregion	E4B	E	к	1
Community				Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		к	i
Community				Kurnell Dune Forest in the Sutherland Shire and City of Rockdale		Kurnell Dune Forest in the Sutherland Shire and City of Rockdale	E3		к	i
Community				Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Littoral Rainforest in the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3	CE	К	i
Community				Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions		Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions	E3	CE	К	i
Community				Moist Shale Woodland in the Sydney Basin Bioregion		Moist Shale Woodland in the Sydney Basin Bioregion	E3	CE	к	i
Community				Pittwater and Wagstaffe Spotted Gum Forest in the Sydney Basin Bioregion		Pittwater and Wagstaffe Spotted Gum Forest in the Sydney Basin Bioregion	E3		к	i
Community				River-Flat Eucalypt Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		River-Flat Eucalypt Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		к	i
Community				Shale Gravel Transition Forest in the Sydney Basin Bioregion		Shale Gravel Transition Forest in the Sydney Basin Bioregion	E3	CE	к	1
Community				Shale Sandstone Transition Forest in the Svdnev Basin Bioreaion		Shale Sandstone Transition Forest in the Sydney Basin Bioregion	E4B	CE	к	i
Community				Southern Sydney sheltered forest on transitional sandstone soils in the Sydney Basin Bioregion		Southern Sydney sheltered forest on transitional sandstone soils in the Sydney Basin Bioregion	E3		к	i
Community				Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3	E	к	i
Community				Swamp Sclerophyll Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner		Swamp Sclerophyll Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	E3		к	i
Community				Bioreaions Sydney Freshwater Wetlands in the Sydney Basin Bioreaion		Sydney Freshwater Wetlands in the Sydney Basin Bioregion	E3		к	i
Community				Sydney Turpentine- Ironbark Forest		Sydney Turpentine-Ironbark Forest	E3	CE	к	i
Community				The Shorebird Community occurring on the relict tidal delta sands at Taren Point		The Shorebird Community occurring on the relict tidal delta sands at Taren Point	E3		к	i
Community				sands at I aren Point Themeda grassland on seacliffs and coastal headlands in the NSW North Coast, Sydney Basin and South East Corner Bioregions		Themeda grassland on seacliffs and coastal headlands in the NSW North Coast, Sydney Basin and South East Corner Bioregions	E3		к	i
Community				Corner Bioreaions Western Sydney Dry Rainforest in the Sydney Basin Bioregion		Western Sydney Dry Rainforest in the Sydney Basin Bioregion	E3	CE	к	i

Data from the BioNet BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1Ű; ^^ rounded to 0.01Ű). Copyright the State of NSW through the Office of Environment and Heritage. Search criteria : Public Report of all Valid Records of Threatened (listed on TSC Act 1995) or Commonwealth listed Entities in selected area [North: -33.92 West: 151.03 East: 151.13 South: -34.02] returned a total of 1,174 records of 46 species. Report generated on 30/04/2019 2:36 PM

Animalia       Amphibia       Hylidae       3166       Litoria aurea       Green and Golden Bell Frog       E1,P       V       1         Animalia       Reptilia       Chelonidae       2007       Chelonia mydas       Green Turtle       V.P       V       1         Animalia       Reptilia       Varanus rosenbergi       Rosenberg's Goanna       V.P       1         Animalia       Aves       Columbidae       0033       Ephippiothynchus       Black-necked Stork       E1,P       1         Animalia       Aves       Accipitridae       0226       Hilaeeus leucogaster       White-bellied Sea-Eagle       V,P       C       22         Animalia       Aves       Accipitridae       0226       Hilaeeus leucogaster       White-bellied Sea-Eagle       V,P       C       22         Animalia       Aves       Accipitridae       0230       M-opholchina isura       Square-tailed Kite       V,P,3       6         Animalia       Aves       Accipitridae       0130       Haematopus longitostis       Eastern Osprey       V,P,3       14         Animalia       Aves       Scolapacidae       0147       Rostratulia australis       Australian Painted Snipe       E1,P       E       1       CE_L,J, 14       Mainalia<	Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Record s	Info
Arimalia Animalia Arimalia Arimalia Animalia AvesColumbidation Columbidan Columbidan Columbidan Columbidan Columbidan Columbidan Columbidan 	Animalia	Amphibia	•	3116	Pseudophryne australis		Red-crowned Toadlet	V,P		1	i
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Australian Government

Department of the Environment and Energy

# **EPBC** Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about <u>Environment Assessments</u> and the EPBC Act including significance guidelines, forms and application process details.

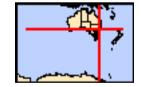
Report created: 30/04/19 14:35:23

Summary Details Matters of NES Other Matters Protected by the EPBC Act Extra Information Caveat Acknowledgements



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

Coordinates Buffer: 1.0Km



# Summary

## Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	9
Listed Threatened Species:	56
Listed Migratory Species:	41

#### Other Matters Protected by the EPBC Act

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

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

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	1
Commonwealth Heritage Places:	None
Listed Marine Species:	46
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

#### **Extra Information**

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	48
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

# Details

## Matters of National Environmental Significance

Wetlands of Internationa	I Importance (Ramsar)	
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Name

Towra point nature reserve

## Listed Threatened Ecological Communities

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.

NameStatusType of PresenceCastlereagh Scribbly Gum and Agnes BanksEndangeredCommunity may occurWoodlands of the Sydney Basin BioregionEndangeredCommunity may occurCoastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological communityEndangeredCommunity may occurCoastal Upland Swamps in the Sydney BasinEndangeredCommunity may occurBioregionCooks River/Castlereagh Ironbark Forest of the Sydney Basin BioregionCritically EndangeredCommunity may occurShale Sandstone Transition Forest of the Sydney Basin BioregionCritically EndangeredCommunity ikely to occurWithin areaCommunity Ikely to occurWithin area
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Subtropical and Temperate Coastal Saltmarsh Vulnerable Community likely to occur
within area
Turpentine-Ironbark Forest of the Sydney Basin Critically Endangered Community likely to occur
Bioregion within area
Upland Basalt Eucalypt Forests of the Sydney Basin Endangered Community may occur
Bioregion within area
Western Sydney Dry Rainforest and Moist Woodland Critically Endangered Community may occur
on Shale within area
Listed Threatened Species [Resource Information]
Name Status Type of Presence
Birds
Anthochaera phrygia
Regent Honeyeater [82338] Critically Endangered Species or species habitat
known to occur within area

[Resource Information]

[Resource Information]

Proximity

Within 10km of Ramsar

Botaurus poiciloptilus

Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
<u>Calidris canutus</u> Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
<u>Calidris ferruginea</u> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat likely to occur within area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area

Name	Status	Type of Presence
Diomedea antipodensis gibsoni Gibson's Albatross [82270] Diomedea epomophora	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<u>Grantiella picta</u> Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Neophema chrysogaster Orange-bellied Parrot [747]	Critically Endangered	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area
Rostratula australis Australian Painted-snipe, Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
<u>Thalassarche bulleri</u> Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche bulleri platei</u> Northern Buller's Albatross, Pacific Albatross [82273]	Vulnerable	Species or species habitat may occur within area
Thalassarche cauta cauta Shy Albatross, Tasmanian Shy Albatross [82345]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Thalassarche cauta steadi</u> White-capped Albatross [82344]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Thalassarche eremita</u> Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area

Name	Status	Type of Presence
<u>Thalassarche salvini</u> Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Fish Eninanhalua deemelii		
Epinephelus daemelii Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat likely to occur within area
Macquaria australasica Macquarie Perch [66632]	Endangered	Species or species habitat may occur within area
Frogs		
Heleioporus australiacus Giant Burrowing Frog [1973]	Vulnerable	Species or species habitat may occur within area
<u>Litoria aurea</u> Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat likely to occur within area
Litoria raniformis Growling Grass Frog, Southern Bell Frog, Green and Golden Frog, Warty Swamp Frog [1828]	Vulnerable	Species or species habitat may occur within area
Mammals		
<u>Chalinolobus dwyeri</u> Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
Dasyurus maculatus maculatus (SE mainland population Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	<mark>ion)</mark> Endangered	Species or species habitat likely to occur within area
Isoodon obesulus obesulus Southern Brown Bandicoot (eastern), Southern Brown Bandicoot (south-eastern) [68050]	Endangered	Species or species habitat may occur within area
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area
Phascolarctos cinereus (combined populations of Qld, Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	NSW and the ACT) Vulnerable	Species or species habitat known to occur within area
Pseudomys novaehollandiae New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Other		
Pommerhelix duralensis Dural Land Snail [85268]	Endangered	Species or species habitat likely to occur within area
Plants		
<u>Acacia bynoeana</u> Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat may occur within area
Acacia pubescens Downy Wattle, Hairy Stemmed Wattle [18800]	Vulnerable	Species or species habitat likely to occur within area
<u>Allocasuarina glareicola</u> [21932]	Endangered	Species or species habitat may occur within area

Name	Status	Type of Presence
Caladenia tessellata		
Thick-lipped Spider-orchid, Daddy Long-legs [2119]	Vulnerable	Species or species habitat likely to occur within area
Cryptostylis hunteriana		
Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area
Genoplesium baueri		<b>.</b>
Yellow Gnat-orchid [7528]	Endangered	Species or species habitat likely to occur within area
Melaleuca biconvexa		
Biconvex Paperbark [5583]	Vulnerable	Species or species habitat may occur within area
Persoonia hirsuta		
Hairy Geebung, Hairy Persoonia [19006]	Endangered	Species or species habitat likely to occur within area
Pimelea spicata		
Spiked Rice-flower [20834]	Endangered	Species or species habitat may occur within area
Pterostylis saxicola		
Sydney Plains Greenhood [64537]	Endangered	Species or species habitat likely to occur within area
Syzygium paniculatum		
Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub Cherry, Creek Lilly Pilly, Brush Cherry [20307]	Vulnerable	Species or species habitat known to occur within area
Thesium australe		
Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area
Reptiles		
Caretta caretta	Fadapaarad	Chapies or chapies hebitat
Loggerhead Turtle [1763]	Endangered	Species or species habitat likely to occur within area
Loggerhead Turtle [1763] Chelonia mydas		likely to occur within area
Loggerhead Turtle [1763]	Endangered Vulnerable	• •
Loggerhead Turtle [1763] <u>Chelonia mydas</u> Green Turtle [1765] <u>Dermochelys coriacea</u>	Vulnerable	likely to occur within area Species or species habitat known to occur within area
Loggerhead Turtle [1763] <u>Chelonia mydas</u> Green Turtle [1765] <u>Dermochelys coriacea</u> Leatherback Turtle, Leathery Turtle, Luth [1768]		likely to occur within area Species or species habitat
Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata	Vulnerable Endangered	likely to occur within area Species or species habitat known to occur within area Species or species habitat known to occur within area
Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	likely to occur within area Species or species habitat known to occur within area Species or species habitat
Loggerhead Turtle [1763]Chelonia mydas Green Turtle [1765]Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]Eretmochelys imbricata Hawksbill Turtle [1766]Hoplocephalus bungaroides	Vulnerable Endangered Vulnerable	likely to occur within area Species or species habitat known to occur within area Species or species habitat known to occur within area
Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable Endangered	likely to occur within area Species or species habitat known to occur within area Species or species habitat known to occur within area
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Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata Hawksbill Turtle [1766] Hoplocephalus bungaroides Broad-headed Snake [1182]	Vulnerable Endangered Vulnerable	likely to occur within area Species or species habitat known to occur within area Species or species habitat known to occur within area Species or species habitat known to occur within area
Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata Hawksbill Turtle [1766] Hoplocephalus bungaroides Broad-headed Snake [1182]	Vulnerable Endangered Vulnerable	<ul> <li>likely to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat likely to occur within area</li> <li>Species or species habitat</li> </ul>
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Loggerhead Turtle [1763] Chelonia mydas Green Turtle [1765] Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] Eretmochelys imbricata Hawksbill Turtle [1766] Hoplocephalus bungaroides Broad-headed Snake [1182] Natator depressus Flatback Turtle [59257] Listed Migratory Species * Species is listed under a different scientific name on Name Migratory Marine Birds Anous stolidus	Vulnerable Findangered Vulnerable Vulnerable Vulnerable the EPBC Act - Threatened	<ul> <li>likely to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species or species habitat likely to occur within area</li> <li>Species or species habitat known to occur within area</li> <li>Species list. Type of Presence</li> <li>Species or species habitat</li> </ul>

Name	Threatened	Type of Presence
		within area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat may occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche bulleri</u> Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche cauta</u> Tasmanian Shy Albatross [89224]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Thalassarche eremita Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<u>Thalassarche impavida</u> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche salvini</u> Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Migratory Marine Species		
<u>Caretta caretta</u> Loggerhead Turtle [1763]	Endangered	Species or species habitat likely to occur within area
<u>Chelonia mydas</u> Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur

Name	Threatened	Type of Presence
		within area
Eretmochelys imbricata		
Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area
Lamna nasus		
Porbeagle, Mackerel Shark [83288]		Species or species habitat likely to occur within area
Manta alfredi		
Reef Manta Ray, Coastal Manta Ray, Inshore Manta Ray, Prince Alfred's Ray, Resident Manta Ray [84994]		Species or species habitat may occur within area
Manta birostris		
Giant Manta Ray, Chevron Manta Ray, Pacific Manta Ray, Pelagic Manta Ray, Oceanic Manta Ray [84995]		Species or species habitat may occur within area
Natator depressus		
Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area
Migratory Terrestrial Species		
Cuculus optatus		
Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat known to occur within area
Monarcha melanopsis		
Black-faced Monarch [609]		Species or species habitat known to occur within area
Monarcha trivirgatus		
Spectacled Monarch [610]		Species or species habitat may occur within area
Motacilla flava		
Yellow Wagtail [644]		Species or species habitat likely to occur within area
Myiagra cyanoleuca		

Rhipidura rufifrons Rufous Fantail [592]

Migratory Wetlands Species <u>Actitis hypoleucos</u> Common Sandpiper [59309]

Calidris acuminata Sharp-tailed Sandpiper [874]

Calidris canutus Red Knot, Knot [855]

Calidris ferruginea Curlew Sandpiper [856]

Calidris melanotos Pectoral Sandpiper [858]

Gallinago hardwickii Latham's Snipe, Japanese Snipe [863] Species or species habitat known to occur within area

known to occur within area

Species or species habitat known to occur within area

Species or species habitat known to occur within area

Endangered

Species or species habitat known to occur within area

Critically Endangered

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species

Name	Threatened	Type of Presence
	meateried	habitat may occur within area
Numenius madagascariensis		
Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
Pandion haliaetus		
Osprey [952]		Species or species habitat known to occur within area
Tringa nebularia		
Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area

#### Other Matters Protected by the EPBC Act

#### Commonwealth Land

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

#### Name

Commonwealth Land - Defence Housing Authority

Listed Marine Species		[Resource Information]
* Species is listed under a different scientific na	me on the EPBC Act - Threa	tened Species list.
Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species habitat known to occur within area
Anous stolidus		
Common Noddy [825]		Species or species habitat may occur within area
Apus pacificus		

Farly tailed Christ [CZ0]

Species or species habitat likely to occur within area

[Resource Information]

Fork-tailed Swift [678]

<u>Ardea alba</u> Great Egret, White Egret [59541]

Ardea ibis Cattle Egret [59542]

Calidris acuminata Sharp-tailed Sandpiper [874]

Calidris canutus Red Knot, Knot [855]

<u>Calidris ferruginea</u> Curlew Sandpiper [856]

<u>Calidris melanotos</u> Pectoral Sandpiper [858] Species or species habitat likely to occur within area

Species or species habitat may occur within area

Species or species habitat known to occur within area

Endangered

Species or species habitat known to occur within area

Critically Endangered Spec

Species or species habitat likely to occur within area

Species or species habitat likely to occur

Name	Threatened	Type of Presence
Diamadaa antinadanaja		within area
<u>Diomedea antipodensis</u> Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea epomophora		
Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea exulans		
Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
Diomedea gibsoni Gibson's Albetross [64466]	Vulnerable*	Earoning fooding or related
Gibson's Albatross [64466]	vuirierable	Foraging, feeding or related behaviour likely to occur within area
Northern Royal Albatross [64456]	Endangered	Foraging, feeding or related
	Endangered	behaviour likely to occur within area
<u>Fregata ariel</u> Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat
		likely to occur within area
Fregata minor		
Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat may occur within area
Gallinago hardwickii		
Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat known to occur within area
Macronectes giganteus		
Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area

Macronectes halli

Northern Giant Petrel [1061]

Merops ornatus Rainbow Bee-eater [670]

Monarcha melanopsis Black-faced Monarch [609]

Monarcha trivirgatus Spectacled Monarch [610]

Motacilla flava Yellow Wagtail [644]

Myiagra cyanoleuca Satin Flycatcher [612]

Neophema chrysogaster Orange-bellied Parrot [747]

#### Vulnerable

Species or species habitat may occur within area

Species or species habitat may occur within area

Species or species habitat known to occur within area

Species or species habitat may occur within area

Species or species habitat likely to occur within area

Species or species habitat known to occur within area

Critically Endangered

Species or species habitat may occur within area

Name	Threatened	Type of Presence
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area
<u>Rhipidura rufifrons</u> Rufous Fantail [592]		Species or species habitat known to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
<u>Thalassarche bulleri</u> Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche cauta</u> Tasmanian Shy Albatross [89224]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Thalassarche eremita Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<u>Thalassarche impavida</u> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<u>Thalassarche salvini</u> Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<u>Thalassarche sp. nov.</u> Pacific Albatross [66511]	Vulnerable*	Species or species habitat may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<u>Tringa nebularia</u> Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area
Reptiles		
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat likely to occur within area
<u>Chelonia mydas</u> Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area

Name	Threatened	Type of Presence
Natator depressus		
Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area

#### **Extra Information**

Invasive Species [Resource Information] Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

Name	Status	Type of Presence
Birds		
Acridotheres tristis		
Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Alauda arvensis		
Skylark [656]		Species or species habitat likely to occur within area
Anas platyrhynchos		
Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis		
European Goldfinch [403]		Species or species habitat likely to occur within area
Carduelis chloris		
European Greenfinch [404]		Species or species habitat

likely to occur within area

Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]

Lonchura punctulata Nutmeg Mannikin [399]

Passer domesticus House Sparrow [405]

Passer montanus Eurasian Tree Sparrow [406]

Pycnonotus jocosus Red-whiskered Bulbul [631] Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Status	Type of
	Species likely to
	Species likely to
	Status

Turdus merula Common Blackbird, Eurasian Blackbird [596]

<mark>Frogs</mark> Rhinella marina Cane Toad [83218]

#### Mammals

Bos taurus Domestic Cattle [16]

Canis lupus familiaris Domestic Dog [82654]

Felis catus Cat, House Cat, Domestic Cat [19]

Lepus capensis Brown Hare [127]

Mus musculus House Mouse [120]

Oryctolagus cuniculus Rabbit, European Rabbit [128]

Rattus norvegicus Brown Rat, Norway Rat [83] Type of Presence

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat known to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Rattus rattus Black Rat, Ship Rat [84]

Vulpes vulpes Red Fox, Fox [18]

Plants

Alternanthera philoxeroides Alligator Weed [11620]

Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643] Asparagus aethiopicus Asparagus Fern, Ground Asparagus, Basket Fern, Sprengi's Fern, Bushy Asparagus, Emerald Asparagus [62425] Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]

Asparagus plumosus Climbing Asparagus-fern [48993] Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species

Name	Status	Type of Presence
		habitat likely to occur within area
Asparagus scandens		
Asparagus Fern, Climbing Asparagus Fern [23255]		Species or species habitat likely to occur within area
Cabomba caroliniana		
Cabomba, Fanwort, Carolina Watershield, Fish Grass, Washington Grass, Watershield, Carolina Fanwort, Common Cabomba [5171] Chrysanthemoides monilifera		Species or species habitat likely to occur within area
Bitou Bush, Boneseed [18983]		Species or species habitat may occur within area
Chrysanthemoides monilifera subsp. monilifera		
Boneseed [16905]		Species or species habitat likely to occur within area
Chrysanthemoides monilifera subsp. rotundata		
Bitou Bush [16332]		Species or species habitat likely to occur within area
Cytisus scoparius		
Broom, English Broom, Scotch Broom, Common Broom, Scottish Broom, Spanish Broom [5934]		Species or species habitat likely to occur within area
Dolichandra unguis-cati		
Cat's Claw Vine, Yellow Trumpet Vine, Cat's Claw Creeper, Funnel Creeper [85119]		Species or species habitat likely to occur within area
Eichhornia crassipes		
Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat likely to occur within area
Genista linifolia		
Flax-leaved Broom, Mediterranean Broom, Flax Broom [2800]	٦	Species or species habitat likely to occur within area
Genista monspessulana		
Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom [20126]		Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana		
Broom [67538]		Species or species habitat

Lantana camara

Lantana, Common Lantana, Kamara Lantana, Largeleaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892] Lycium ferocissimum African Boxthorn, Boxthorn [19235]

Opuntia spp. Prickly Pears [82753]

Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]

Rubus fruticosus aggregate Blackberry, European Blackberry [68406]

Sagittaria platyphylla Delta Arrowhead, Arrowhead, Slender Arrowhead [68483]

Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and Species or species habitat likely to occur within area

may occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat may occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species

Name	Status	Type of Presence
Sterile Pussy Willow [68497]		habitat likely to occur within area
Salvinia molesta		
Salvinia, Giant Salvinia, Aquarium Watermoss, Kariba Weed [13665]		Species or species habitat likely to occur within area
Senecio madagascariensis		
Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area

# Caveat

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

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

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

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

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

# Coordinates

 $-33.972529\ 151.080733, -33.978401\ 151.080304, -33.978561\ 151.079703, -33.97849\ 151.079166, -33.977137\ 151.078887, -33.976052\ 151.079102, -33.975322\ 151.07833, -33.974059\ 151.079553, -33.972546\ 151.080304, -33.972546\ 151.080711, -33.972529\ 151.080711, -33.972529\ 151.080733$ 

# Acknowledgements

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-Office of Environment and Heritage, New South Wales -Department of Environment and Primary Industries, Victoria -Department of Primary Industries, Parks, Water and Environment, Tasmania -Department of Environment, Water and Natural Resources, South Australia -Department of Land and Resource Management, Northern Territory -Department of Environmental and Heritage Protection, Queensland -Department of Parks and Wildlife, Western Australia -Environment and Planning Directorate, ACT -Birdlife Australia -Australian Bird and Bat Banding Scheme -Australian National Wildlife Collection -Natural history museums of Australia -Museum Victoria -Australian Museum -South Australian Museum -Queensland Museum -Online Zoological Collections of Australian Museums -Queensland Herbarium -National Herbarium of NSW -Royal Botanic Gardens and National Herbarium of Victoria -Tasmanian Herbarium -State Herbarium of South Australia -Northern Territory Herbarium -Western Australian Herbarium -Australian National Herbarium, Canberra -University of New England -Ocean Biogeographic Information System -Australian Government, Department of Defence Forestry Corporation, NSW -Geoscience Australia -CSIRO -Australian Tropical Herbarium, Cairns -eBird Australia -Australian Government – Australian Antarctic Data Centre -Museum and Art Gallery of the Northern Territory -Australian Government National Environmental Science Program

-Australian Institute of Marine Science

-Reef Life Survey Australia

-American Museum of Natural History

-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania

-Tasmanian Museum and Art Gallery, Hobart, Tasmania

-Other groups and individuals

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