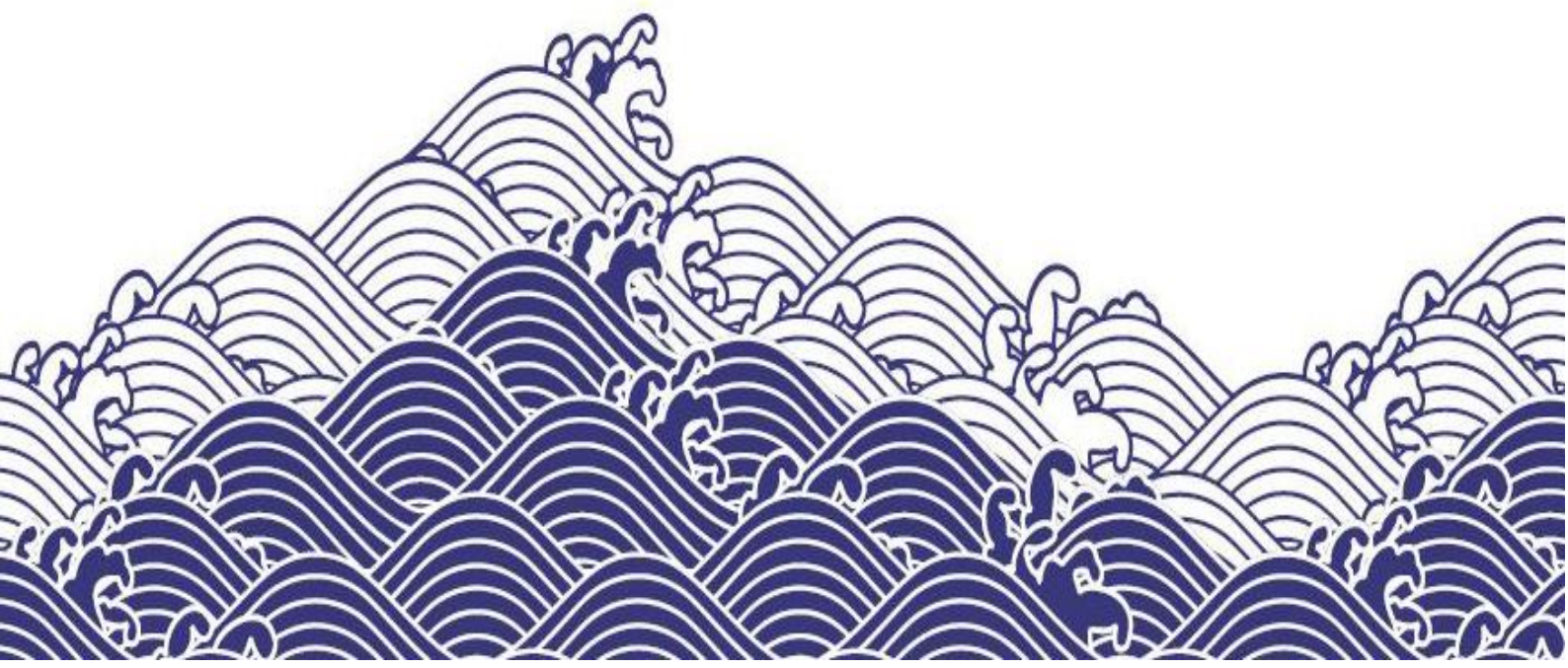




## **Attachment C.3:**

# **Bonaparte Carbon Capture and Storage (CCS) Project - EPBC Act Protected Matters Search Nearshore Pipeline Development Area**





Australian Government

Department of Climate Change, Energy,  
the Environment and Water

# 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. Please see the caveat for interpretation of information provided here.

Report created: 25-Mar-2026

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

# Summary

## Matters of National Environment 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](#).

|   |      |
|---|------|
| <a href="#">World Heritage Properties:</a>                    | None |
| <a href="#">National Heritage Places:</a>                     | None |
| <a href="#">Wetlands of International Importance (Ramsar)</a> | None |
| <a href="#">Great Barrier Reef Marine Park:</a>               | None |
| <a href="#">Commonwealth Marine Area:</a>                     | 2    |
| <a href="#">Listed Threatened Ecological Communities:</a>     | None |
| <a href="#">Listed Threatened Species:</a>                    | 61   |
| <a href="#">Listed Migratory Species:</a>                     | 77   |

## 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 <https://www.dcceew.gov.au/parks-heritage/heritage>

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.

|   |      |
|---|------|
| <a href="#">Commonwealth Lands:</a>                                 | 59   |
| <a href="#">Commonwealth Heritage Places:</a>                       | 7    |
| <a href="#">Listed Marine Species:</a>                              | 112  |
| <a href="#">Whales and Other Cetaceans:</a>                         | 16   |
| <a href="#">Critical Habitats:</a>                                  | None |
| <a href="#">Commonwealth Reserves Terrestrial:</a>                  | None |
| <a href="#">Australian Marine Parks:</a>                            | None |
| <a href="#">Habitat Critical to the Survival of Marine Turtles:</a> | 1    |

## Extra Information

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

|   |      |
|---|------|
| <a href="#">State and Territory Reserves:</a>           | 9    |
| <a href="#">Regional Forest Agreements:</a>             | None |
| <a href="#">Nationally Important Wetlands:</a>          | None |
| <a href="#">EPBC Act Referrals:</a>                     | 46   |
| <a href="#">Key Ecological Features (Marine):</a>       | None |
| <a href="#">Biologically Important Areas:</a>           | 5    |
| <a href="#">Bioregional Assessments:</a>                | None |
| <a href="#">Geological and Bioregional Assessments:</a> | None |

# Details

## Matters of National Environmental Significance

### Commonwealth Marine Area

[\[ Resource Information \]](#)

Approval is required for a proposed activity that is located within the Commonwealth Marine Area which has, will have, or is likely to have a significant impact on the environment. Approval may be required for a proposed action taken outside a Commonwealth Marine Area but which has, may have or is likely to have a significant impact on the environment in the Commonwealth Marine Area.

#### Feature Name

#### Buffer Status

Commonwealth Marine Areas (EPBC Act)

In feature area

Commonwealth Marine Areas (EPBC Act)

In feature area

### Listed Threatened Species

[\[ Resource Information \]](#)

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

#### Scientific Name

#### Threatened Category

#### Presence Text

#### Buffer Status

#### BIRD

#### [Arenaria interpres](#)

Ruddy Turnstone [872]

Vulnerable

Roosting known to occur within area

In feature area

#### [Calidris acuminata](#)

Sharp-tailed Sandpiper [874]

Vulnerable

Species or species habitat known to occur within area

In feature area

#### [Calidris canutus](#)

Red Knot, Knot [855]

Vulnerable

Species or species habitat known to occur within area

In feature area

#### [Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat known to occur within area

In feature area

#### [Calidris tenuirostris](#)

Great Knot [862]

Vulnerable

Roosting known to occur within area

In feature area

#### [Charadrius leschenaultii](#)

Greater Sand Plover, Large Sand Plover [877]

Vulnerable

Species or species habitat known to occur within area

In feature area

| Scientific Name   | Threatened Category   | Presence Text   | Buffer Status       |
|---|-----------------------|---|---------------------|
| <a href="#">Charadrius mongolus</a><br>Lesser Sand Plover, Mongolian Plover [879]                                 | Endangered            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Chloebia gouldiae listed as Erythrura gouldiae</a><br>Gouldian Finch [90091]                          | Endangered            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Epthianura crocea tunneyi</a><br>Alligator Rivers Yellow Chat, Yellow Chat (Alligator Rivers) [67089] | Endangered            | Species or species habitat may occur within area      | In buffer area only |
| <a href="#">Erythrotriorchis radiatus</a><br>Red Goshawk [942]  | Endangered            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Falco hypoleucos</a><br>Grey Falcon [929]   | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Geophaps smithii smithii</a><br>Partridge Pigeon (eastern) [64441]                                    | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Limnodromus semipalmatus</a><br>Asian Dowitcher [843]   | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Limosa lapponica baueri</a><br>Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]   | Endangered            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Limosa limosa</a><br>Black-tailed Godwit [845]  | Endangered            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Numenius madagascariensis</a><br>Eastern Curlew, Far Eastern Curlew [847]                             | Critically Endangered | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Pluvialis squatarola</a><br>Grey Plover [865]   | Vulnerable            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Rostratula australis</a><br>Australian Painted Snipe [77037]  | Endangered            | Species or species habitat known to occur within area | In feature area     |

| Scientific Name   | Threatened Category | Presence Text  | Buffer Status       |
|---|---------------------|--|---------------------|
| <a href="#">Sternula albifrons</a><br>Little Tern [82849]   | Vulnerable          | Species or species habitat likely to occur within area | In feature area     |
| <a href="#">Tringa nebularia</a><br>Common Greenshank, Greenshank [832]   | Endangered          | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Tyto novaehollandiae kimberli</a><br>Masked Owl (northern) [26048]  | Vulnerable          | Species or species habitat likely to occur within area | In feature area     |
| <a href="#">Xenus cinereus</a><br>Terek Sandpiper [59300]   | Vulnerable          | Roosting known to occur within area                    | In buffer area only |
| <b>FROG</b>   |                     |  |                     |
| <a href="#">Uperoleia daviesae</a><br>Howard River Toadlet, Davies's Toadlet [85375]  | Vulnerable          | Species or species habitat known to occur within area  | In buffer area only |
| <b>MAMMAL</b>   |                     |  |                     |
| <a href="#">Antechinus bellus</a><br>Fawn Antechinus [344]  | Vulnerable          | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Balaenoptera borealis</a><br>Sei Whale [34]   | Vulnerable          | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Balaenoptera musculus</a><br>Blue Whale [36]  | Endangered          | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Balaenoptera physalus</a><br>Fin Whale [37]   | Vulnerable          | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Conilurus penicillatus</a><br>Brush-tailed Rabbit-rat, Brush-tailed Tree-rat, Pakooma [132]                       | Vulnerable          | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Dasyurus hallucatus</a><br>Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331] | Endangered          | Species or species habitat known to occur within area  | In feature area     |

| Scientific Name   | Threatened Category   | Presence Text  | Buffer Status       |
|---|-----------------------|--|---------------------|
| <a href="#">Macroderma gigas</a><br>Ghost Bat [174]   | Vulnerable            | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Mesembriomys gouldii gouldii</a><br>Black-footed Tree-rat (Kimberley and mainland Northern Territory), Djintamoonga, Manbul [87618] | Endangered            | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Orcaella heinsohni</a><br>Australian Snubfin Dolphin [81322]  | Vulnerable            | Breeding known to occur within area                    | In feature area     |
| <a href="#">Petrogale concinna canescens</a><br>Nabarlek (Top End) [87606]  | Endangered            | Species or species habitat likely to occur within area | In feature area     |
| <a href="#">Phascogale pirata</a><br>Northern Brush-tailed Phascogale [82954]   | Vulnerable            | Species or species habitat likely to occur within area | In feature area     |
| <a href="#">Saccolaimus saccolaimus nudicluniatus</a><br>Bare-rumped Sheath-tailed Bat, Bare-rumped Sheath-tail Bat [66889]                     | Vulnerable            | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Sousa sahalensis</a><br>Australian Humpback Dolphin [87942]   | Vulnerable            | Breeding known to occur within area                    | In feature area     |
| <a href="#">Trichosurus vulpecula arnhemensis</a><br>Northern Brushtail Possum [83091]  | Vulnerable            | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Xeromys myoides</a><br>Water Mouse, False Water Rat, Yirrkoo [66]   | Vulnerable            | Species or species habitat likely to occur within area | In feature area     |
| <b>PLANT</b>  |                       |  |                     |
| <a href="#">Atalaya brevialata</a><br>[86125]   | Critically Endangered | Species or species habitat known to occur within area  | In buffer area only |
| <a href="#">Stylidium ensatum</a><br>a triggerplant [86366]   | Endangered            | Species or species habitat known to occur within area  | In buffer area only |

| Scientific Name  | Threatened Category | Presence Text  | Buffer Status       |
|--|---------------------|--|---------------------|
| <a href="#">Typhonium praetermissum</a><br>[65859]                             | Endangered          | Species or species habitat known to occur within area  | In buffer area only |
| <a href="#">Typhonium sp. Cox Peninsula (S.Nicholas 15/12/1999)</a><br>[93623] | Endangered          | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Typhonium taylorii listed as Typhonium taylori</a><br>[93459]      | Endangered          | Species or species habitat likely to occur within area | In buffer area only |

## REPTILE

|  |                       |   |                 |
|--|-----------------------|---|-----------------|
| <a href="#">Acanthopphis hawkei</a><br>Plains Death Adder [83821]                          | Vulnerable            | Species or species habitat known to occur within area             | In feature area |
| <a href="#">Caretta caretta</a><br>Loggerhead Turtle [1763]                                | Endangered            | Foraging, feeding or related behaviour known to occur within area | In feature area |
| <a href="#">Chelonia mydas</a><br>Green Turtle [1765]                                      | Vulnerable            | Breeding known to occur within area                               | In feature area |
| <a href="#">Dermochelys coriacea</a><br>Leatherback Turtle, Leathery Turtle, Luth [1768]   | Endangered            | Breeding likely to occur within area                              | In feature area |
| <a href="#">Eretmochelys imbricata</a><br>Hawksbill Turtle [1766]                          | Vulnerable            | Foraging, feeding or related behaviour known to occur within area | In feature area |
| <a href="#">Lepidochelys olivacea</a><br>Olive Ridley Turtle, Pacific Ridley Turtle [1767] | Endangered            | Breeding known to occur within area                               | In feature area |
| <a href="#">Natator depressus</a><br>Flatback Turtle [59257]                               | Vulnerable            | Breeding known to occur within area                               | In feature area |
| <a href="#">Tiliqua scincoides intermedia</a><br>Northern Blue-tongued Skink [89838]       | Critically Endangered | Species or species habitat known to occur within area             | In feature area |

| Scientific Name  | Threatened Category    | Presence Text  | Buffer Status       |
|--|------------------------|--|---------------------|
| <a href="#">Varanus mertensi</a><br>Mertens' Water Monitor [1568]  | Endangered             | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Varanus mitchelli</a><br>Mitchell's Water Monitor [1569]   | Critically Endangered  | Species or species habitat known to occur within area  | In feature area     |
| <b>SHARK</b>   |                        |  |                     |
| <a href="#">Carcharodon carcharias</a><br>White Shark, Great White Shark [64470]   | Vulnerable             | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Glyphis garricki</a><br>Northern River Shark, New Guinea River Shark [82454]   | Endangered             | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Glyphis glyphis</a><br>Speartooth Shark [82453]  | Critically Endangered  | Species or species habitat may occur within area       | In buffer area only |
| <a href="#">Pristis clavata</a><br>Dwarf Sawfish, Queensland Sawfish [68447]   | Vulnerable             | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Pristis pristis</a><br>Largetooth Sawfish, Freshwater Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756] | Endangered             | Species or species habitat likely to occur within area | In feature area     |
| <a href="#">Pristis zijsron</a><br>Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]  | Vulnerable             | Species or species habitat known to occur within area  | In feature area     |
| <a href="#">Rhincodon typus</a><br>Whale Shark [66680]   | Vulnerable             | Species or species habitat may occur within area       | In feature area     |
| <a href="#">Sphyrna lewini</a><br>Scalloped Hammerhead [85267]   | Conservation Dependent | Species or species habitat likely to occur within area | In feature area     |

| Listed Migratory Species |                     |               | [ <a href="#">Resource Information</a> ] |
|--------------------------|---------------------|---------------|--|
| Scientific Name          | Threatened Category | Presence Text | Buffer Status                            |
| null                     |                     |               |  |

| Scientific Name  | Threatened Category | Presence Text  | Buffer Status   |
|--|---------------------|--|-----------------|
| <a href="#">Balaenoptera omurai</a><br>Omura's Whale [87136]                         |                     | Species or species habitat likely to occur within area | In feature area |
| <b>Migratory Marine Birds</b>  |                     |  |                 |
| <a href="#">Anous stolidus</a><br>Common Noddy [825]                                 |                     | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Apus pacificus</a><br>Fork-tailed Swift [678]                            |                     | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Calonectris leucomelas</a><br>Streaked Shearwater [1077]                 |                     | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Fregata ariel</a><br>Lesser Frigatebird, Least Frigatebird [1012]        |                     | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Fregata minor</a><br>Great Frigatebird, Greater Frigatebird [1013]       |                     | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Phaethon lepturus</a><br>White-tailed Tropicbird [1014]                  |                     | Species or species habitat may occur within area       | In feature area |
| <a href="#">Phaethon rubricauda</a><br>Red-tailed Tropicbird [994]                   |                     | Species or species habitat may occur within area       | In feature area |
| <a href="#">Sternula albifrons</a><br>Little Tern [82849]                            | Vulnerable          | Species or species habitat likely to occur within area | In feature area |
| <b>Migratory Marine Species</b>  |                     |  |                 |
| <a href="#">Anoxypristis cuspidata</a><br>Narrow Sawfish, Knifetooth Sawfish [68448] |                     | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Balaenoptera borealis</a><br>Sei Whale [34]                              | Vulnerable          | Species or species habitat may occur within area       | In feature area |

| Scientific Name  | Threatened Category | Presence Text   | Buffer Status   |
|--|---------------------|---|-----------------|
| <a href="#">Balaenoptera edeni</a><br>Bryde's Whale [35]                                 |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Balaenoptera musculus</a><br>Blue Whale [36]                                 | Endangered          | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Balaenoptera physalus</a><br>Fin Whale [37]                                  | Vulnerable          | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Carcharhinus longimanus</a><br>Oceanic Whitetip Shark [84108]                |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Carcharias taurus</a><br>Grey Nurse Shark [64469]                            |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Carcharodon carcharias</a><br>White Shark, Great White Shark [64470]         | Vulnerable          | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Caretta caretta</a><br>Loggerhead Turtle [1763]                              | Endangered          | Foraging, feeding or related behaviour known to occur within area | In feature area |
| <a href="#">Chelonia mydas</a><br>Green Turtle [1765]                                    | Vulnerable          | Breeding known to occur within area                               | In feature area |
| <a href="#">Crocodylus porosus</a><br>Salt-water Crocodile, Estuarine Crocodile [1774]   |                     | Species or species habitat likely to occur within area            | In feature area |
| <a href="#">Dermochelys coriacea</a><br>Leatherback Turtle, Leathery Turtle, Luth [1768] | Endangered          | Breeding likely to occur within area                              | In feature area |
| <a href="#">Dugong dugon</a><br>Dugong [28]  |                     | Species or species habitat known to occur within area             | In feature area |

| Scientific Name  | Threatened Category | Presence Text   | Buffer Status   |
|--|---------------------|---|-----------------|
| <a href="#">Eretmochelys imbricata</a><br>Hawksbill Turtle [1766]  | Vulnerable          | Foraging, feeding or related behaviour known to occur within area | In feature area |
| <a href="#">Isurus oxyrinchus</a><br>Shortfin Mako, Mako Shark [79073]   |                     | Species or species habitat likely to occur within area            | In feature area |
| <a href="#">Isurus paucus</a><br>Longfin Mako [82947]  |                     | Species or species habitat likely to occur within area            | In feature area |
| <a href="#">Lepidochelys olivacea</a><br>Olive Ridley Turtle, Pacific Ridley Turtle [1767]   | Endangered          | Breeding known to occur within area                               | In feature area |
| <a href="#">Megaptera novaeangliae</a><br>Humpback Whale [38]  |                     | Species or species habitat likely to occur within area            | In feature area |
| <a href="#">Mobula alfredi as Manta alfredi</a><br>Reef Manta Ray, Coastal Manta Ray [90033]   |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Mobula birostris as Manta birostris</a><br>Giant Manta Ray [90034]   |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Natator depressus</a><br>Flatback Turtle [59257]   | Vulnerable          | Breeding known to occur within area                               | In feature area |
| <a href="#">Orcaella heinsohni</a><br>Australian Snubfin Dolphin [81322]   | Vulnerable          | Breeding known to occur within area                               | In feature area |
| <a href="#">Orcinus orca</a><br>Killer Whale, Orca [46]  |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Pristis clavata</a><br>Dwarf Sawfish, Queensland Sawfish [68447]   | Vulnerable          | Species or species habitat known to occur within area             | In feature area |
| <a href="#">Pristis pristis</a><br>Largetooth Sawfish, Freshwater Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756] | Endangered          | Species or species habitat likely to occur within area            | In feature area |

| Scientific Name   | Threatened Category | Presence Text   | Buffer Status   |
|---|---------------------|---|-----------------|
| <a href="#">Pristis zijsron</a><br>Green Sawfish, Dindagubba,<br>Narrowsnout Sawfish [68442]  | Vulnerable          | Species or species<br>habitat known to<br>occur within area | In feature area |
| <a href="#">Rhincodon typus</a><br>Whale Shark [66680]  | Vulnerable          | Species or species<br>habitat may occur<br>within area      | In feature area |
| <a href="#">Sousa sahalensis as Sousa chinensis</a><br>Australian Humpback Dolphin [87942]  | Vulnerable          | Breeding known to<br>occur within area                      | In feature area |
| <a href="#">Tursiops aduncus (Arafura/Timor Sea populations)</a><br>Spotted Bottlenose Dolphin<br>(Arafura/Timor Sea populations) [78900] |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <b>Migratory Terrestrial Species</b>  |                     |   |                 |
| <a href="#">Cecropis daurica</a><br>Red-rumped Swallow [80610]  |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <a href="#">Cuculus optatus</a><br>Oriental Cuckoo, Horsfield's Cuckoo<br>[86651]   |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <a href="#">Hirundo rustica</a><br>Barn Swallow [662]   |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <a href="#">Motacilla cinerea</a><br>Grey Wagtail [642]   |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <a href="#">Motacilla flava</a><br>Yellow Wagtail [644]   |                     | Species or species<br>habitat known to<br>occur within area | In feature area |
| <b>Migratory Wetlands Species</b>   |                     |   |                 |
| <a href="#">Acrocephalus orientalis</a><br>Oriental Reed-Warbler [59570]  |                     | Species or species<br>habitat may occur<br>within area      | In feature area |
| <a href="#">Actitis hypoleucos</a><br>Common Sandpiper [59309]  |                     | Species or species<br>habitat known to<br>occur within area | In feature area |

| Scientific Name  | Threatened Category   | Presence Text   | Buffer Status       |
|--|-----------------------|---|---------------------|
| <a href="#">Arenaria interpres</a><br>Ruddy Turnstone [872]                                    | Vulnerable            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Calidris acuminata</a><br>Sharp-tailed Sandpiper [874]                             | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Calidris alba</a><br>Sanderling [875]  |                       | Roosting known to occur within area                   | In feature area     |
| <a href="#">Calidris canutus</a><br>Red Knot, Knot [855]                                       | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Calidris falcinellus as Limicola falcinellus</a><br>Broad-billed Sandpiper [91731] |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Calidris ferruginea</a><br>Curlew Sandpiper [856]                                  | Critically Endangered | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Calidris melanotos</a><br>Pectoral Sandpiper [858]                                 |                       | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Calidris ruficollis</a><br>Red-necked Stint [860]                                  |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Calidris subminuta</a><br>Long-toed Stint [861]                                    |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Calidris tenuirostris</a><br>Great Knot [862]                                      | Vulnerable            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Charadrius dubius</a><br>Little Ringed Plover [896]                                |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Charadrius leschenaultii</a><br>Greater Sand Plover, Large Sand Plover [877]       | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Charadrius mongolus</a><br>Lesser Sand Plover, Mongolian Plover [879]              | Endangered            | Roosting known to occur within area                   | In feature area     |

| Scientific Name   | Threatened Category   | Presence Text   | Buffer Status       |
|---|-----------------------|---|---------------------|
| <a href="#">Charadrius veredus</a><br>Oriental Plover, Oriental Dotterel [882]        |                       | Roosting known to occur within area                   | In feature area     |
| <a href="#">Gallinago megala</a><br>Swinhoe's Snipe [864]                             |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Gallinago stenura</a><br>Pin-tailed Snipe [841]                           |                       | Roosting likely to occur within area                  | In buffer area only |
| <a href="#">Glareola maldivarum</a><br>Oriental Pratincole [840]                      |                       | Roosting known to occur within area                   | In feature area     |
| <a href="#">Limnodromus semipalmatus</a><br>Asian Dowitcher [843]                     | Vulnerable            | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Limosa lapponica</a><br>Bar-tailed Godwit [844]                           |                       | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Limosa limosa</a><br>Black-tailed Godwit [845]                            | Endangered            | Roosting known to occur within area                   | In feature area     |
| <a href="#">Numenius madagascariensis</a><br>Eastern Curlew, Far Eastern Curlew [847] | Critically Endangered | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Numenius minutus</a><br>Little Curlew, Little Whimbrel [848]              |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Numenius phaeopus</a><br>Whimbrel [849]                                   |                       | Roosting known to occur within area                   | In feature area     |
| <a href="#">Pandion haliaetus</a><br>Osprey [952]                                     |                       | Breeding known to occur within area                   | In feature area     |
| <a href="#">Pluvialis fulva</a><br>Pacific Golden Plover [25545]                      |                       | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Pluvialis squatarola</a><br>Grey Plover [865]                             | Vulnerable            | Roosting known to occur within area                   | In feature area     |

| Scientific Name  | Threatened Category | Presence Text   | Buffer Status       |
|--|---------------------|---|---------------------|
| <a href="#">Tringa brevipes</a><br>Grey-tailed Tattler [851]                   |                     | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Tringa glareola</a><br>Wood Sandpiper [829]                        |                     | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Tringa incana</a><br>Wandering Tattler [831]                       |                     | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Tringa nebularia</a><br>Common Greenshank, Greenshank [832]        | Endangered          | Species or species habitat known to occur within area | In feature area     |
| <a href="#">Tringa stagnatilis</a><br>Marsh Sandpiper, Little Greenshank [833] |                     | Roosting known to occur within area                   | In buffer area only |
| <a href="#">Xenus cinereus</a><br>Terek Sandpiper [59300]                      | Vulnerable          | Roosting known to occur within area                   | In buffer area only |

## Other Matters Protected by the EPBC Act

### Commonwealth Lands [\[ Resource Information \]](#)

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.

| Commonwealth Land Name                                      | State | Buffer Status       |
|---|-------|---------------------|
| <b>Airservices Australia</b>                                |       |                     |
| Portion 2208 Plan S 78/100 [AGPR5948]                       | NT    | In buffer area only |
| Portion 2864 Plan S83/142D [AGPR938]                        | NT    | In buffer area only |
| <b>Australian Broadcasting Corporation</b>                  |       |                     |
| Lot 05808 Town of Darwin plan(s) LTO91/047 [AGPR919]        | NT    | In buffer area only |
| <b>Australian Communications and Media Authority (ACMA)</b> |       |                     |
| Section 00032 Hundred of Bray plan OP 001510 [AGPR4619]     | NT    | In buffer area only |
| Section 00033 Hundred of Bray plan A 000715 [AGPR947]       | NT    | In buffer area only |
| <b>Australian Postal Corporation</b>                        |       |                     |
| Volume 196 Folio 136 [AGPR7373]                             | NT    | In buffer area only |
| Volume 703 Folio 129 [AGPR7046]                             | NT    | In buffer area only |
| Volume 715 Folio 538 [AGPR7174]                             | NT    | In buffer area only |

| Commonwealth Land Name   | State | Buffer Status       |
|--|-------|---------------------|
| Volume 738 Folio 234 [AGPR7032]  | NT    | In buffer area only |
| <b>Bureau of Meteorology</b>   |       |                     |
| Section 03085 Hundred of Bagot plan S 86/317 [AGPR920]                 | NT    | In buffer area only |
| <b>Commonwealth Scientific and Industrial Research Organisation</b>    |       |                     |
| CSIRO Darwin [AGPR6601]  | NT    | In buffer area only |
| <b>Department of Climate Change, Energy, the Environment and Water</b> |       |                     |
| Larrakeyah Barracks Headquarters Building [CHL_105192]                 | NT    | In buffer area only |
| Larrakeyah Barracks Precinct [CHL_105251]                              | NT    | In buffer area only |
| Larrakeyah Barracks Sergeants Mess [CHL_105193]                        | NT    | In buffer area only |
| RAAF Base Commanding Officers Residence [CHL_105430]                   | NT    | In buffer area only |
| RAAF Base Precinct [CHL_105252]  | NT    | In buffer area only |
| RAAF Base Tropical Housing Type 2 [CHL_105194]                         | NT    | In buffer area only |
| RAAF Base Tropical Housing Type 3 [CHL_105195]                         | NT    | In buffer area only |
| <b>Department of Defence</b>   |       |                     |
| AAFC 802 Squadron - Palmerston [DD_0476]                               | NT    | In buffer area only |
| Defence Accommodation Precinct - Darwin [DD_5058]                      | NT    | In buffer area only |
| Defence Establishment Berrimah [DD_0102]                               | NT    | In buffer area only |
| DMFS Tybell Street - Winnellie [DD_3059]                               | NT    | In buffer area only |
| East Coonawarra Buffer Zone [DD_0104]                                  | NT    | In buffer area only |
| Howard Springs Nth Defence Establishment [DD_1375]                     | NT    | In buffer area only |
| Howard Springs Sth Defence Establishment [DD_1479]                     | NT    | In buffer area only |
| Kids Brigade Childcare Centre - Durack [DD_1561]                       | NT    | In buffer area only |
| Larrakeyah Defence Precinct [AGPR45]                                   | NT    | In feature area     |
| Larrakeyah Defence Precinct [DD_0836]                                  | NT    | In feature area     |
| Larrakeyah Defence Precinct [AGPR6484]                                 | NT    | In buffer area only |
| Lot 03952 Town of Sanderson plan s79/149A [AGPR6602]                   | NT    | In buffer area only |
| Lot 05231 Town of Darwin plan S 78/019 [AGPR5900]                      | NT    | In buffer area only |
| Lot 05994 Town of Palmerston plan S 96/276 [AGPR6600]                  | NT    | In buffer area only |
| Patrol Boat SPO Office - Darwin [DD_3214]                              | NT    | In buffer area only |

| Commonwealth Land Name  | State | Buffer Status       |
|---|-------|---------------------|
| Portion 01609 Hundred of Bagot plan A 000525 [AGPR6569]   | NT    | In buffer area only |
| Portion 02195 Hundred of Bagot plan S 78/036 [AGPR6563]   | NT    | In buffer area only |
| Portion 02260 Hundred of Bagot plan S 79/149B [AGPR928]   | NT    | In buffer area only |
| Portion 02270 Hundred of Bagot plan S 80/045 [AGPR4999]   | NT    | In buffer area only |
| Portion 02780 Hundred of Bagot plan S 82/267 [AGPR6594]   | NT    | In buffer area only |
| RAAF Darwin [DD_1302]   | NT    | In buffer area only |
| Robertson Barracks Close Training Area [DD_3097]  | NT    | In buffer area only |
| Robertson Barracks Close Training Area [AGPR007460]   | NT    | In buffer area only |
| Robertson Barracks Driver Training Area [DD_1204]   | NT    | In buffer area only |
| Robertson Barracks - Holtze [DD_1200]   | NT    | In buffer area only |
| Section 00117 Hundred of Bagot plan B 000682 [AGPR5000]   | NT    | In buffer area only |
| Section 02986 Hundred of Bagot plan S 83/142D [AGPR6154]  | NT    | In buffer area only |
| Section 03305 Hundred of Bagot plan S 89/193B [AGPR6571]  | NT    | In buffer area only |
| Section 03437 Hundred of Bagot plan S 90/251 [AGPR47]   | NT    | In buffer area only |
| Section 04204 Hundred of Strangways plan S 98/18 [AGPR5907]                                       | NT    | In buffer area only |
| Section 04456 Hundred of Bagot plan LTO93/073 [AGPR4998]  | NT    | In buffer area only |
| Section 04457 Hundred of Bagot plan LTO93/073 [AGPR6593]  | NT    | In buffer area only |
| Section 05623 Hundred of Bagot plan LTO2003/052 [AGPR5949]  | NT    | In buffer area only |
| Section 05730 Hundred of Bagot plan L2004/063 [AGPR6570]  | NT    | In buffer area only |
| Shoal Bay Receiving Station [DD_0107]   | NT    | In buffer area only |
| Stokes Hill Oil Fuel Installation [DD_0108]   | NT    | In buffer area only |
| <b>Department of Finance</b>  |       |                     |
| Lot 00014 Hundred of Strangways plan(s) LTO69/009 [AGPR007678]                                    | NT    | In buffer area only |
| Lot 00014 Hundred of Strangways plan(s) LTO69/009 [AGPR007679]                                    | NT    | In buffer area only |
| Lot 00014 Hundred of Strangways plan(s) LTO69/009 [AGPR917]                                       | NT    | In buffer area only |
| <b>Department of Home Affairs</b>   |       |                     |
| Unit 132 Lot 06379 Town of Darwin plan UP 94/062 [AGPR6152]                                       | NT    | In buffer area only |
| <b>Department of Infrastructure, Transport, Regional Development, Communications and the Arts</b> |       |                     |

| Commonwealth Land Name    | State | Buffer Status       |
|---------------------------|-------|---------------------|
| Darwin Airport [AGPR5930] | NT    | In buffer area only |

### Commonwealth Heritage Places [ Resource Information ]

| Name  | State | Status       | Buffer Status       |
|---|-------|--------------|---------------------|
| <b>Historic</b>   |       |              |                     |
| <a href="#">Larrakeyah Barracks Headquarters Building</a> | NT    | Listed place | In buffer area only |
| <a href="#">Larrakeyah Barracks Precinct</a>              | NT    | Listed place | In buffer area only |
| <a href="#">Larrakeyah Barracks Sergeants Mess</a>        | NT    | Listed place | In buffer area only |
| <a href="#">RAAF Base Commanding Officers Residence</a>   | NT    | Listed place | In buffer area only |
| <a href="#">RAAF Base Precinct</a>                        | NT    | Listed place | In buffer area only |
| <a href="#">RAAF Base Tropical Housing Type 2</a>         | NT    | Listed place | In buffer area only |
| <a href="#">RAAF Base Tropical Housing Type 3</a>         | NT    | Listed place | In buffer area only |

### Listed Marine Species [ Resource Information ]

| Scientific Name  | Threatened Category | Presence Text  | Buffer Status   |
|--|---------------------|--|-----------------|
| <b>Bird</b>  |                     |  |                 |
| <a href="#">Acrocephalus orientalis</a><br>Oriental Reed-Warbler [59570] |                     | Species or species habitat may occur within area overfly marine area       | In feature area |
| <a href="#">Actitis hypoleucos</a><br>Common Sandpiper [59309]           |                     | Species or species habitat known to occur within area                      | In feature area |
| <a href="#">Anous stolidus</a><br>Common Noddy [825]                     |                     | Species or species habitat likely to occur within area                     | In feature area |
| <a href="#">Anseranas semipalmata</a><br>Magpie Goose [978]              |                     | Species or species habitat may occur within area overfly marine area       | In feature area |
| <a href="#">Apus pacificus</a><br>Fork-tailed Swift [678]                |                     | Species or species habitat likely to occur within area overfly marine area | In feature area |
| <a href="#">Arenaria interpres</a><br>Ruddy Turnstone [872]              | Vulnerable          | Roosting known to occur within area  | In feature area |

| Scientific Name  | Threatened Category   | Presence Text   | Buffer Status       |
|--|-----------------------|---|---------------------|
| <a href="#">Bubulcus ibis as Ardea ibis</a><br>Cattle Egret [66521]                            |                       | Species or species habitat may occur within area overfly marine area      | In feature area     |
| <a href="#">Calidris acuminata</a><br>Sharp-tailed Sandpiper [874]                             | Vulnerable            | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Calidris alba</a><br>Sanderling [875]  |                       | Roosting known to occur within area                                       | In feature area     |
| <a href="#">Calidris canutus</a><br>Red Knot, Knot [855]                                       | Vulnerable            | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Calidris falcinellus as Limicola falcinellus</a><br>Broad-billed Sandpiper [91731] |                       | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Calidris ferruginea</a><br>Curlew Sandpiper [856]                                  | Critically Endangered | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Calidris melanotos</a><br>Pectoral Sandpiper [858]                                 |                       | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Calidris ruficollis</a><br>Red-necked Stint [860]                                  |                       | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Calidris subminuta</a><br>Long-toed Stint [861]                                    |                       | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Calidris tenuirostris</a><br>Great Knot [862]                                      | Vulnerable            | Roosting known to occur within area overfly marine area                   | In feature area     |
| <a href="#">Calonectris leucomelas</a><br>Streaked Shearwater [1077]                           |                       | Species or species habitat known to occur within area                     | In feature area     |

| Scientific Name   | Threatened Category | Presence Text   | Buffer Status       |
|---|---------------------|---|---------------------|
| <a href="#">Cecropis daurica as Hirundo daurica</a><br>Red-rumped Swallow [80610]         |                     | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Chalcites osculans as Chrysococcyx osculans</a><br>Black-eared Cuckoo [83425] |                     | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Charadrius dubius</a><br>Little Ringed Plover [896]                           |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Charadrius leschenaultii</a><br>Greater Sand Plover, Large Sand Plover [877]  | Vulnerable          | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Charadrius mongolus</a><br>Lesser Sand Plover, Mongolian Plover [879]         | Endangered          | Roosting known to occur within area                                       | In feature area     |
| <a href="#">Charadrius ruficapillus</a><br>Red-capped Plover [881]                        |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Charadrius veredus</a><br>Oriental Plover, Oriental Dotterel [882]            |                     | Roosting known to occur within area overfly marine area                   | In feature area     |
| <a href="#">Fregata ariel</a><br>Lesser Frigatebird, Least Frigatebird [1012]             |                     | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Fregata minor</a><br>Great Frigatebird, Greater Frigatebird [1013]            |                     | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Gallinago megala</a><br>Swinhoe's Snipe [864]                                 |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Gallinago stenura</a><br>Pin-tailed Snipe [841]                               |                     | Roosting likely to occur within area overfly marine area                  | In buffer area only |

| Scientific Name   | Threatened Category | Presence Text   | Buffer Status       |
|---|---------------------|---|---------------------|
| <a href="#">Glareola maldivarum</a><br>Oriental Pratincole [840]              |                     | Roosting known to occur within area overfly marine area                   | In feature area     |
| <a href="#">Haliaeetus leucogaster</a><br>White-bellied Sea-Eagle [943]       |                     | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Himantopus himantopus</a><br>Pied Stilt, Black-winged Stilt [870] |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Hirundo rustica</a><br>Barn Swallow [662]                         |                     | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Limnodromus semipalmatus</a><br>Asian Dowitcher [843]             | Vulnerable          | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Limosa lapponica</a><br>Bar-tailed Godwit [844]                   |                     | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Limosa limosa</a><br>Black-tailed Godwit [845]                    | Endangered          | Roosting known to occur within area overfly marine area                   | In feature area     |
| <a href="#">Merops ornatus</a><br>Rainbow Bee-eater [670]                     |                     | Species or species habitat may occur within area overfly marine area      | In feature area     |
| <a href="#">Motacilla cinerea</a><br>Grey Wagtail [642]                       |                     | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Motacilla flava</a><br>Yellow Wagtail [644]                       |                     | Species or species habitat known to occur within area overfly marine area | In feature area     |

| Scientific Name  | Threatened Category   | Presence Text   | Buffer Status       |
|--|-----------------------|---|---------------------|
| <a href="#">Numenius madagascariensis</a><br>Eastern Curlew, Far Eastern Curlew [847]                            | Critically Endangered | Species or species habitat known to occur within area                     | In feature area     |
| <a href="#">Numenius minutus</a><br>Little Curlew, Little Whimbrel [848]   |                       | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Numenius phaeopus</a><br>Whimbrel [849]  |                       | Roosting known to occur within area                                       | In feature area     |
| <a href="#">Pandion haliaetus</a><br>Osprey [952]  |                       | Breeding known to occur within area                                       | In feature area     |
| <a href="#">Phaethon lepturus</a><br>White-tailed Tropicbird [1014]  |                       | Species or species habitat may occur within area                          | In feature area     |
| <a href="#">Phaethon rubricauda</a><br>Red-tailed Tropicbird [994]   |                       | Species or species habitat may occur within area                          | In feature area     |
| <a href="#">Pluvialis fulva</a><br>Pacific Golden Plover [25545]   |                       | Roosting known to occur within area                                       | In buffer area only |
| <a href="#">Pluvialis squatarola</a><br>Grey Plover [865]  | Vulnerable            | Roosting known to occur within area overfly marine area                   | In feature area     |
| <a href="#">Rhipidura rufifrons</a><br>Rufous Fantail [592]  |                       | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Rostratula australis as Rostratula benghalensis (sensu lato)</a><br>Australian Painted Snipe [77037] | Endangered            | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Sternula albifrons as Sterna albifrons</a><br>Little Tern [82849]                                    | Vulnerable            | Species or species habitat likely to occur within area                    | In feature area     |

| Scientific Name  | Threatened Category | Presence Text   | Buffer Status       |
|--|---------------------|---|---------------------|
| <a href="#">Stiltia isabella</a><br>Australian Pratincole [818]  |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Tringa brevipes as Heteroscelus brevipes</a><br>Grey-tailed Tattler [851]                    |                     | Roosting known to occur within area                                       | In buffer area only |
| <a href="#">Tringa glareola</a><br>Wood Sandpiper [829]  |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Tringa incana as Heteroscelus incanus</a><br>Wandering Tattler [831]                         |                     | Roosting known to occur within area                                       | In buffer area only |
| <a href="#">Tringa nebularia</a><br>Common Greenshank, Greenshank [832]                                  | Endangered          | Species or species habitat known to occur within area overfly marine area | In feature area     |
| <a href="#">Tringa stagnatilis</a><br>Marsh Sandpiper, Little Greenshank [833]                           |                     | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <a href="#">Xenus cinereus</a><br>Terek Sandpiper [59300]  | Vulnerable          | Roosting known to occur within area overfly marine area                   | In buffer area only |
| <b>Fish</b>  |                     |   |                     |
| <a href="#">Campichthys tricarinatus</a><br>Three-keel Pipefish [66192]                                  |                     | Species or species habitat may occur within area                          | In feature area     |
| <a href="#">Choeroichthys brachysoma</a><br>Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194] |                     | Species or species habitat may occur within area                          | In feature area     |
| <a href="#">Choeroichthys suillus</a><br>Pig-snouted Pipefish [66198]                                    |                     | Species or species habitat may occur within area                          | In feature area     |
| <a href="#">Corythoichthys amplexus</a><br>Fijian Banded Pipefish, Brown-banded Pipefish [66199]         |                     | Species or species habitat may occur within area                          | In feature area     |

| Scientific Name  | Threatened Category | Presence Text                                    | Buffer Status   |
|--|---------------------|--|-----------------|
| <a href="#">Corythoichthys flavofasciatus</a><br>Reticulate Pipefish, Yellow-banded Pipefish, Network Pipefish [66200]         |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Corythoichthys haematopterus</a><br>Reef-top Pipefish [66201]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Corythoichthys schultzi</a><br>Schultz's Pipefish [66205]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Doryrhamphus excisus</a><br>Bluestripe Pipefish, Indian Blue-stripe Pipefish, Pacific Blue-stripe Pipefish [66211] |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Doryrhamphus janssi</a><br>Cleaner Pipefish, Janss' Pipefish [66212]   |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Festucalex cinctus</a><br>Girdled Pipefish [66214]   |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Halicampus brocki</a><br>Brock's Pipefish [66219]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Halicampus grayi</a><br>Mud Pipefish, Gray's Pipefish [66221]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Halicampus spinostris</a><br>Spiny-snout Pipefish [66225]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Haliichthys taeniophorus</a><br>Ribbioned Pipehorse, Ribbioned Seadragon [66226]                                   |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippichthys cyanospilos</a><br>Blue-speckled Pipefish, Blue-spotted Pipefish [66228]                               |                     | Species or species habitat may occur within area | In feature area |

| Scientific Name   | Threatened Category | Presence Text                                    | Buffer Status   |
|---|---------------------|--|-----------------|
| <a href="#">Hippichthys parvicarinatus</a><br>Short-keel Pipefish, Short-keeled Pipefish [66230]                      |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippichthys penicillus</a><br>Beady Pipefish, Steep-nosed Pipefish [66231]                                |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippocampus histrix</a><br>Spiny Seahorse, Thorny Seahorse [66236]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippocampus kuda</a><br>Spotted Seahorse, Yellow Seahorse [66237]   |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippocampus planifrons</a><br>Flat-face Seahorse [66238]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hippocampus spinosissimus</a><br>Hedgehog Seahorse [66239]  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Micrognathus micronotopterus</a><br>Tidepool Pipefish [66255]   |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Solegnathus hardwickii</a><br>Pallid Pipehorse, Hardwick's Pipehorse [66272]                              |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Solegnathus lettiensis</a><br>Gunther's Pipehorse, Indonesian Pipefish [66273]                            |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Solenostomus cyanopterus</a><br>Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]                 |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Syngnathoides biaculeatus</a><br>Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279] |                     | Species or species habitat may occur within area | In feature area |

| Scientific Name  | Threatened Category | Presence Text  | Buffer Status   |
|--|---------------------|--|-----------------|
| <a href="#">Trachyrhamphus bicoarctatus</a><br>Bentstick Pipefish, Bend Stick Pipefish,<br>Short-tailed Pipefish [66280]       |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <a href="#">Trachyrhamphus longirostris</a><br>Straightstick Pipefish, Long-nosed<br>Pipefish, Straight Stick Pipefish [66281] |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <b>Mammal</b>  |                     |  |                 |
| <a href="#">Dugong dugon</a><br>Dugong [28]  |                     | Species or species<br>habitat known to<br>occur within area                | In feature area |
| <b>Reptile</b>   |                     |  |                 |
| <a href="#">Aipysurus duboisii</a><br>Dubois' Sea Snake, Dubois' Seasnake,<br>Reef Shallows Sea Snake [1116]                   |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <a href="#">Aipysurus laevis</a><br>Olive Sea Snake, Olive-brown Sea<br>Snake [1120]   |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <a href="#">Aipysurus mosaicus as Aipysurus eydouxii</a><br>Mosaic Sea Snake [87261]   |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <a href="#">Caretta caretta</a><br>Loggerhead Turtle [1763]  | Endangered          | Foraging, feeding or<br>related behaviour<br>known to occur within<br>area | In feature area |
| <a href="#">Chelonia mydas</a><br>Green Turtle [1765]  | Vulnerable          | Breeding known to<br>occur within area                                     | In feature area |
| <a href="#">Crocodylus johnstoni</a><br>Freshwater Crocodile, Johnston's<br>Crocodile, Johnstone's Crocodile [1773]            |                     | Species or species<br>habitat may occur<br>within area                     | In feature area |
| <a href="#">Crocodylus porosus</a><br>Salt-water Crocodile, Estuarine<br>Crocodile [1774]                                      |                     | Species or species<br>habitat likely to occur<br>within area               | In feature area |
| <a href="#">Dermochelys coriacea</a><br>Leatherback Turtle, Leathery Turtle, Luth<br>[1768]                                    | Endangered          | Breeding likely to<br>occur within area                                    | In feature area |

| Scientific Name   | Threatened Category | Presence Text   | Buffer Status   |
|---|---------------------|---|-----------------|
| <a href="#">Eretmochelys imbricata</a><br>Hawksbill Turtle [1766]   | Vulnerable          | Foraging, feeding or related behaviour known to occur within area | In feature area |
| <a href="#">Hydrelaps darwiniensis</a><br>Port Darwin Sea Snake, Black-ringed Mangrove Sea Snake [1100]                 |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis atriceps</a><br>Black-headed Sea Snake, Banded Sea Snake [1101]                                   |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis coggeri</a><br>Cogger's Sea Snake, Black-headed Sea Snake [25925]                                 |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis elegans</a><br>Elegant Sea Snake, Bar-bellied Sea Snake [1104]                                    |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis hardwickii as Lapemis hardwickii</a><br>Spine-bellied Sea Snake [93516]                           |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis inornatus</a><br>Plain Sea Snake [1107]   |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis kingii as Disteira kingii</a><br>Spectacled Sea Snake [93511]                                     |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis macdowellii as Hydrophis mcdowellii</a><br>MacDowell's Sea Snake, Small-headed Sea Snake, [75601] |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis major as Disteira major</a><br>Olive-headed Sea Snake [93512]                                     |                     | Species or species habitat may occur within area                  | In feature area |
| <a href="#">Hydrophis ornatus</a><br>Spotted Sea Snake, Ornate Reef Sea Snake [1111]                                    |                     | Species or species habitat may occur within area                  | In feature area |

| Scientific Name   | Threatened Category | Presence Text                                    | Buffer Status   |
|---|---------------------|--|-----------------|
| <a href="#">Hydrophis pacificus</a><br>Pacific Sea Snake, Large-headed Sea Snake [1112]               |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hydrophis peronii as Acalyptophis peronii</a><br>Horned Sea Snake [93509]                 |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hydrophis platura as Pelamis platurus</a><br>Yellow-bellied Sea Snake [93746]             |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hydrophis stokesii as Astrotia stokesii</a><br>Stokes' Sea Snake [93510]                  |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Hydrophis zweifeli as Enhydrina schistosa</a><br>Australian Beaked Sea Snake [93514]      |                     | Species or species habitat may occur within area | In feature area |
| <a href="#">Lepidochelys olivacea</a><br>Olive Ridley Turtle, Pacific Ridley Turtle [1767]            | Endangered          | Breeding known to occur within area              | In feature area |
| <a href="#">Natator depressus</a><br>Flatback Turtle [59257]  | Vulnerable          | Breeding known to occur within area              | In feature area |
| <a href="#">Parahydrophis mertoni</a><br>Arafura Smooth Sea Snake, Northern Mangrove Sea Snake [1090] |                     | Species or species habitat may occur within area | In feature area |

### Whales and Other Cetaceans [ Resource Information ]

| Current Scientific Name                                  | Status     | Type of Presence                                 | Buffer Status   |
|--|------------|--|-----------------|
| Mammal   |            |  |                 |
| <a href="#">Balaenoptera borealis</a><br>Sei Whale [34]  | Vulnerable | Species or species habitat may occur within area | In feature area |
| <a href="#">Balaenoptera edeni</a><br>Bryde's Whale [35] |            | Species or species habitat may occur within area | In feature area |
| <a href="#">Balaenoptera musculus</a><br>Blue Whale [36] | Endangered | Species or species habitat may occur within area | In feature area |

| Current Scientific Name  | Status     | Type of Presence                                       | Buffer Status   |
|--|------------|--|-----------------|
| <a href="#">Balaenoptera omurai</a><br>Omura's Whale [87136]   |            | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Balaenoptera physalus</a><br>Fin Whale [37]  | Vulnerable | Species or species habitat may occur within area       | In feature area |
| <a href="#">Delphinus delphis</a><br>Common Dolphin, Short-beaked Common Dolphin [60]  |            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Grampus griseus</a><br>Risso's Dolphin, Grampus [64]   |            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Megaptera novaeangliae</a><br>Humpback Whale [38]  |            | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Orcaella heinsohni</a><br>Australian Snubfin Dolphin [81322]   | Vulnerable | Breeding known to occur within area                    | In feature area |
| <a href="#">Orcinus orca</a><br>Killer Whale, Orca [46]  |            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Pseudorca crassidens</a><br>False Killer Whale [48]  |            | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Sousa sahalensis</a><br>Australian Humpback Dolphin [87942]  | Vulnerable | Breeding known to occur within area                    | In feature area |
| <a href="#">Stenella attenuata</a><br>Spotted Dolphin, Pantropical Spotted Dolphin [51]  |            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Tursiops aduncus</a><br>Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]                                |            | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Tursiops aduncus (Arafura/Timor Sea populations)</a><br>Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900] |            | Species or species habitat known to occur within area  | In feature area |

| Current Scientific Name  | Status | Type of Presence                                 | Buffer Status   |
|--|--------|--|-----------------|
| <a href="#">Tursiops truncatus s. str.</a><br>Bottlenose Dolphin [68417] |        | Species or species habitat may occur within area | In feature area |

### Habitat Critical to the Survival of Marine Turtles [\[ Resource Information \]](#)

| Scientific Name  | Behaviour | Presence       | Buffer Status   |
|--|-----------|----------------|-----------------|
| All year (Jun - Aug)   |           |                |                 |
| <a href="#">Natator depressus</a><br>Flatback Turtle [59257] | Nesting   | Known to occur | In feature area |

### Extra Information

#### State and Territory Reserves [\[ Resource Information \]](#)

| Protected Area Name                     | Reserve Type                              | State | Buffer Status       |
|---|---|-------|---------------------|
| Blackmore River                         | Conservation Reserve                      | NT    | In buffer area only |
| Casuarina                               | Coastal Reserve                           | NT    | In buffer area only |
| Charles Darwin                          | National Park                             | NT    | In buffer area only |
| Holmes Jungle                           | Nature Park                               | NT    | In buffer area only |
| Howard Springs                          | Hunting Reserve                           | NT    | In buffer area only |
| Howard Springs                          | Nature Park                               | NT    | In buffer area only |
| Knuckey Lagoons                         | Conservation Reserve                      | NT    | In buffer area only |
| Territory Wildlife Park / Berry Springs | Other Conservation Area                   | NT    | In buffer area only |
| Territory Wildlife Park / Berry Springs | Other Conservation Area<br>or Nature Park | NT    | In buffer area only |

#### EPBC Act Referrals [\[ Resource Information \]](#)

| Title of referral   | Reference  | Referral Outcome | Assessment Status | Buffer Status       |
|---|------------|------------------|-------------------|---------------------|
| <a href="#">Bayview, The Boulevarde, Darwin, NT</a>         | 2015/7466  |                  | Completed         | In buffer area only |
| <a href="#">Berrimah Freight Terminal Expansion Project</a> | 2024/09847 |                  | Assessment        | In buffer area only |
| <a href="#">Darwin Pipeline Duplication (DPD) Project</a>   | 2022/09372 |                  | Post-Approval     | In feature area     |
| <a href="#">Darwin Pipeline Duplication DPD Project</a>     | 2022/9166  |                  | Completed         | In buffer area only |

| Title of referral   | Reference  | Referral Outcome  | Assessment Status | Buffer Status       |
|---|------------|-------------------|-------------------|---------------------|
| <a href="#">Darwin Ship Lift Project</a>  | 2021/9068  |                   | Post-Approval     | In buffer area only |
| <a href="#">East Arm Marine Industry Park, Darwin, NT</a>   | 2014/7318  |                   | Completed         | In buffer area only |
| <a href="#">Establishment and operation of a refinery at Darwin, NT</a>                                 | 2015/7604  |                   | Assessment        | In buffer area only |
| <a href="#">Marine Route Survey for Subsea Fibre Optic Data Cable System - Australia West</a>           | 2024/09826 |                   | Completed         | In feature area     |
| <a href="#">Proposed City of Weddell</a>  | 2011/6090  |                   | Completed         | In buffer area only |
| <a href="#">Replacement of the East Point Outfall</a>   | 2011/6099  |                   | Completed         | In buffer area only |
| <b>Controlled action</b>  |            |                   |                   |                     |
| <a href="#">Augmentation of the East Point Effluent Rising Main and Extension of East Point Outfall</a> | 2009/5113  | Controlled Action | Post-Approval     | In buffer area only |
| <a href="#">Barramundi Nursery Farm</a>   | 2005/2378  | Controlled Action | Completed         | In feature area     |
| <a href="#">Condensate Processing Facility, East Arm</a>  | 2006/2734  | Controlled Action | Proposed Decision | In buffer area only |
| <a href="#">Darwin to Moomba Gas Pipeline</a>   | 2001/213   | Controlled Action | Completed         | In feature area     |
| <a href="#">East Arm Wharf Expansion Works</a>  | 2010/5304  | Controlled Action | Post-Approval     | In buffer area only |
| <a href="#">Glyde Point and Middle Arm Peninsula Infrastructure Support</a>                             | 2001/334   | Controlled Action | Completed         | In feature area     |
| <a href="#">Glyde Point Industrial Estate</a>   | 2001/336   | Controlled Action | Completed         | In buffer area only |
| <a href="#">Glyde Point Industrial Estate and Associated Infrastructure</a>                             | 2004/1506  | Controlled Action | Completed         | In feature area     |
| <a href="#">Ichthys Gas Field, Offshore and onshore processing facilities and subsea pipeline</a>       | 2008/4208  | Controlled Action | Post-Approval     | In feature area     |
| <a href="#">Lee Point Master-planned urban development, Darwin, NT</a>                                  | 2015/7591  | Controlled Action | Post-Approval     | In buffer area only |
| <a href="#">Methanol Plant</a>  | 2001/195   | Controlled Action | Completed         | In feature area     |
| <a href="#">Middle Arm Peninsula Industrial Area Development</a>  | 2001/339   | Controlled Action | Completed         | In feature area     |

| Title of referral  | Reference | Referral Outcome      | Assessment Status | Buffer Status       |
|--|-----------|-----------------------|-------------------|---------------------|
| <b>Controlled action</b>   |           |                       |                   |                     |
| <a href="#">Mt Peake iron, vanadium and titanium mining project &amp; assoc infrastructure, 280kms NNW Alice Springs</a> | 2013/7027 | Controlled Action     | Post-Approval     | In buffer area only |
| <a href="#">Muirhead Subdivision</a>   | 2010/5525 | Controlled Action     | Post-Approval     | In buffer area only |
| <a href="#">Operation of 17 Tiger Helicopters at Robertson Barracks</a>  | 2004/1459 | Controlled Action     | Post-Approval     | In buffer area only |
| <a href="#">Residential subdivision of Lot 9793 (formerly Lots 9774 and 9779) Lee Point Road</a>                         | 2005/2108 | Controlled Action     | Post-Approval     | In buffer area only |
| <a href="#">Shipping Channel Enhancement</a>   | 2010/5431 | Controlled Action     | Completed         | In feature area     |
| <a href="#">Talisman Saber 2005 Military Exercise</a>  | 2004/1819 | Controlled Action     | Post-Approval     | In buffer area only |
| <b>Not controlled action</b>   |           |                       |                   |                     |
| <a href="#">Channel Island Bridge Pipeline Replacement Project</a>   | 2020/8672 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Cox Peninsular Remediation Project, NT</a>   | 2015/7587 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Crowley Government Services Inc Bulk Fuel Storage Facility</a>   | 2021/9015 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Darwin Port Maintenance Dredging, Darwin Harbour, NT</a>   | 2017/8122 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Darwin ship lift facility and marine industries project, Darwin Harbour NT</a>                               | 2018/8195 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Field trials for cultivation of microalga (Botryococcus braunii) to produce hydr</a>                         | 2007/3277 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">industrial park and a Defence support hub</a>  | 2006/3177 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Marine Survey for the Australia-ASEAN Power Link AAPL</a>  | 2020/8714 | Not Controlled Action | Completed         | In feature area     |
| <a href="#">Residential Complex - Lots 6575 and 6576</a>   | 2001/163  | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Subdivision of Two Sites (1712 and 1713) into four Portions</a>  | 2006/2755 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Waterfront Redevelopment</a>   | 2003/1256 | Not Controlled Action | Completed         | In feature area     |

| Title of referral   | Reference | Referral Outcome                          | Assessment Status               | Buffer Status       |
|---|-----------|---|---------------------------------|---------------------|
| <b>Not controlled action</b>  |           |   |                                 |                     |
| <a href="#">Wickham Point Interconnect Gas Pipeline</a>   | 2008/4309 | Not Controlled Action                     | Completed                       | In feature area     |
| <b>Not controlled action (particular manner)</b>  |           |   |                                 |                     |
| <a href="#">Bonaparte Basin Seabed Mapping Survey</a>   | 2009/4951 | Not Controlled Action (Particular Manner) | Post-Approval                   | In feature area     |
| <a href="#">Dredging the outer shipping channels of Darwin Harbour</a>  | 2013/6988 | Not Controlled Action (Particular Manner) | Post-Approval                   | In feature area     |
| <a href="#">Joseph Bonaparte Gulf Seabed mapping survey</a>   | 2010/5517 | Not Controlled Action (Particular Manner) | Post-Approval                   | In feature area     |
| <a href="#">Offshore Fibre Optic Cable Network Construction &amp; Operation, Port Hedland WA to Darwin NT</a> | 2014/7223 | Not Controlled Action (Particular Manner) | Post-Approval                   | In feature area     |
| <a href="#">Removal of Potential Unexploded Ordnance within NAXA</a>  | 2012/6503 | Not Controlled Action (Particular Manner) | Post-Approval                   | In feature area     |
| <b>Referral decision</b>  |           |   |                                 |                     |
| <a href="#">Phillips Petroleum Wickham Point LNG facility</a>   | 2001/391  | Referral Decision                         | Completed                       | In feature area     |
| <b>Biologically Important Areas</b>   |           |   |                                 |                     |
|   |           |   | <b>[ Resource Information ]</b> |                     |
| Scientific Name   |           | Behaviour                                 | Presence                        | Buffer Status       |
| <b>Dolphins</b>   |           |   |                                 |                     |
| <a href="#">Orcaella heinsohni</a>  |           |   |                                 |                     |
| Australian Snubfin Dolphin [81322]  |           | Breeding                                  | Known to occur                  | In feature area     |
| <a href="#">Sousa chinensis</a>   |           |   |                                 |                     |
| Indo-Pacific Humpback Dolphin [50]  |           | Breeding                                  | Known to occur                  | In feature area     |
| <a href="#">Tursiops aduncus</a>  |           |   |                                 |                     |
| Indo-Pacific/Spotted Bottlenose Dolphin [68418]   |           | Breeding                                  | Known to occur                  | In feature area     |
| <b>Marine Turtles</b>   |           |   |                                 |                     |
| <a href="#">Lepidochelys olivacea</a>   |           |   |                                 |                     |
| Olive Ridley Turtle [1767]  |           | Interesting                               | Likely to occur                 | In buffer area only |

| Scientific Name  | Behaviour    | Presence        | Buffer Status   |
|--|--------------|-----------------|-----------------|
| <a href="#">Natator depressus</a><br>Flatback Turtle [59257] | Internesting | Likely to occur | In feature area |

# Caveat

## 1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

## 2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

## 3 DATA SOURCES

### Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and 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

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

Where little information is available for a 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 detailed distribution mapping methods are used to update these distributions when time permits.

## 4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

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

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

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

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

# Acknowledgements

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

- [-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](#)
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- [-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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Please feel free to provide feedback via the [Contact us](#) page.

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