



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: 12-May-2025

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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](#).

| | |
|---|------|
| World Heritage Properties: | None |
| National Heritage Places: | None |
| Wetlands of International Importance (Ramsar) | None |
| Great Barrier Reef Marine Park: | None |
| Commonwealth Marine Area: | 1 |
| Listed Threatened Ecological Communities: | None |
| Listed Threatened Species: | 21 |
| Listed Migratory Species: | 37 |

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.

| | |
|---|------|
| Commonwealth Lands: | None |
| Commonwealth Heritage Places: | None |
| Listed Marine Species: | 67 |
| Whales and Other Cetaceans: | 13 |
| Critical Habitats: | None |
| Commonwealth Reserves Terrestrial: | None |
| Australian Marine Parks: | 1 |
| Habitat Critical to the Survival of Marine Turtles: | None |

Extra Information

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

| | |
|---|------|
| State and Territory Reserves: | None |
| Regional Forest Agreements: | None |
| Nationally Important Wetlands: | None |
| EPBC Act Referrals: | 17 |
| Key Ecological Features (Marine): | 2 |
| Biologically Important Areas: | 4 |
| Bioregional Assessments: | None |
| Geological and Bioregional Assessments: | 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

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

[Calidris acuminata](#)

Sharp-tailed Sandpiper [874]

Vulnerable

Species or species habitat may occur within area

In feature area

[Calidris canutus](#)

Red Knot, Knot [855]

Vulnerable

Species or species habitat may occur within area

In feature area

[Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat may occur within area

In feature area

[Numenius madagascariensis](#)

Eastern Curlew, Far Eastern Curlew [847]

Critically Endangered

Species or species habitat may occur within area

In feature area

[Phaethon rubricauda westralis](#)

Red-tailed Tropicbird (Indian Ocean), Indian Ocean Red-tailed Tropicbird [91824]

Endangered

Species or species habitat likely to occur within area

In feature area

MAMMAL

[Balaenoptera borealis](#)

Sei Whale [34]

Vulnerable

Species or species habitat may occur within area

In feature area

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|--|-----------------|
| Balaenoptera musculus Blue Whale [36] | Endangered | Species or species habitat likely to occur within area | In feature area |
| Balaenoptera physalus Fin Whale [37] | Vulnerable | Species or species habitat may occur within area | In feature area |
| REPTILE | | | |
| Caretta caretta Loggerhead Turtle [1763] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Chelonia mydas Green Turtle [1765] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Eretmochelys imbricata Hawksbill Turtle [1766] | Vulnerable | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767] | Endangered | Species or species habitat known to occur within area | In feature area |
| Natator depressus Flatback Turtle [59257] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| SHARK | | | |
| Carcharodon carcharias White Shark, Great White Shark [64470] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Glyphis garricki Northern River Shark, New Guinea River Shark [82454] | Endangered | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|------------------------|--|-----------------|
| Pristis clavata Dwarf Sawfish, Queensland Sawfish [68447] | Vulnerable | Species or species habitat known to occur within area | In feature area |
| Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442] | Vulnerable | Species or species habitat known to occur within area | In feature area |
| Rhincodon typus Whale Shark [66680] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Sphyrna lewini Scalloped Hammerhead [85267] | Conservation Dependent | Species or species habitat likely to occur within area | In feature area |

Listed Migratory Species [[Resource Information](#)]

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|--|-----------------|
| Migratory Marine Birds | | | |
| Anous stolidus Common Noddy [825] | | Species or species habitat may occur within area | In feature area |
| Calonectris leucomelas Streaked Shearwater [1077] | | Species or species habitat known to occur within area | In feature area |
| Fregata ariel Lesser Frigatebird, Least Frigatebird [1012] | | Species or species habitat likely to occur within area | In feature area |
| Fregata minor Great Frigatebird, Greater Frigatebird [1013] | | Species or species habitat likely to occur within area | In feature area |
| Phaethon lepturus White-tailed Tropicbird [1014] | | Species or species habitat may occur within area | In feature area |

Migratory Marine Species

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|--|-----------------|
| Anoxypristis cuspidata Narrow Sawfish, Knifetooth Sawfish [68448] | | Species or species habitat may occur within area | In feature area |
| Balaenoptera borealis Sei Whale [34] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Balaenoptera edeni Bryde's Whale [35] | | Species or species habitat may occur within area | In feature area |
| Balaenoptera musculus Blue Whale [36] | Endangered | Species or species habitat likely to occur within area | In feature area |
| Balaenoptera physalus Fin Whale [37] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Carcharhinus longimanus Oceanic Whitetip Shark [84108] | | Species or species habitat may occur within area | In feature area |
| Carcharias taurus Grey Nurse Shark [64469] | | Species or species habitat may occur within area | In feature area |
| Carcharodon carcharias White Shark, Great White Shark [64470] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Caretta caretta Loggerhead Turtle [1763] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Chelonia mydas Green Turtle [1765] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774] | | Species or species habitat likely to occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|--|-----------------|
| Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Eretmochelys imbricata Hawksbill Turtle [1766] | Vulnerable | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Isurus oxyrinchus Shortfin Mako, Mako Shark [79073] | | Species or species habitat likely to occur within area | In feature area |
| Isurus paucus Longfin Mako [82947] | | Species or species habitat likely to occur within area | In feature area |
| Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767] | Endangered | Species or species habitat known to occur within area | In feature area |
| Megaptera novaeangliae Humpback Whale [38] | | Species or species habitat likely to occur within area | In feature area |
| Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033] | | Species or species habitat likely to occur within area | In feature area |
| Mobula birostris as Manta birostris Giant Manta Ray [90034] | | Species or species habitat likely to occur within area | In feature area |
| Natator depressus Flatback Turtle [59257] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| Orcinus orca Killer Whale, Orca [46] | | Species or species habitat may occur within area | In feature area |
| Pristis clavata Dwarf Sawfish, Queensland Sawfish [68447] | Vulnerable | Species or species habitat known to occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|-----------------------|--|-----------------|
| Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442] | Vulnerable | Species or species habitat known to occur within area | In feature area |
| Rhincodon typus Whale Shark [66680] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900] | | Species or species habitat likely to occur within area | In feature area |
| Migratory Wetlands Species | | | |
| Actitis hypoleucos Common Sandpiper [59309] | | Species or species habitat may occur within area | In feature area |
| Calidris acuminata Sharp-tailed Sandpiper [874] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Calidris canutus Red Knot, Knot [855] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area | In feature area |
| Calidris melanotos Pectoral Sandpiper [858] | | Species or species habitat may occur within area | In feature area |
| Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847] | Critically Endangered | Species or species habitat may occur within area | In feature area |

Other Matters Protected by the EPBC Act

| Listed Marine Species | | | [Resource Information] |
|--|-----------------------|--|--------------------------|
| Scientific Name | Threatened Category | Presence Text | Buffer Status |
| Bird | | | |
| Actitis hypoleucos Common Sandpiper [59309] | | Species or species habitat may occur within area | In feature area |
| Anous stolidus Common Noddy [825] | | Species or species habitat may occur within area | In feature area |
| Calidris acuminata Sharp-tailed Sandpiper [874] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Calidris canutus Red Knot, Knot [855] | Vulnerable | Species or species habitat may occur within area overfly marine area | In feature area |
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area overfly marine area | In feature area |
| Calidris melanotos Pectoral Sandpiper [858] | | Species or species habitat may occur within area overfly marine area | In feature area |
| Calonectris leucomelas Streaked Shearwater [1077] | | Species or species habitat known to occur within area | In feature area |
| Fregata ariel Lesser Frigatebird, Least Frigatebird [1012] | | Species or species habitat likely to occur within area | In feature area |
| Fregata minor Great Frigatebird, Greater Frigatebird [1013] | | Species or species habitat likely to occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|-----------------------|--|-----------------|
| Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847] | Critically Endangered | Species or species habitat may occur within area | In feature area |
| Phaethon lepturus White-tailed Tropicbird [1014] | | Species or species habitat may occur within area | In feature area |
| Fish | | | |
| Bhanotia fasciolata Corrugated Pipefish, Barbed Pipefish [66188] | | Species or species habitat may occur within area | In feature area |
| Campichthys tricarinatus Three-keel Pipefish [66192] | | Species or species habitat may occur within area | In feature area |
| Choeroichthys brachysoma Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194] | | Species or species habitat may occur within area | In feature area |
| Choeroichthys suillus Pig-snouted Pipefish [66198] | | Species or species habitat may occur within area | In feature area |
| Corythoichthys amplexus Fijian Banded Pipefish, Brown-banded Pipefish [66199] | | Species or species habitat may occur within area | In feature area |
| Corythoichthys flavofasciatus Reticulate Pipefish, Yellow-banded Pipefish, Network Pipefish [66200] | | Species or species habitat may occur within area | In feature area |
| Corythoichthys intestinalis Australian Messmate Pipefish, Banded Pipefish [66202] | | Species or species habitat may occur within area | In feature area |
| Corythoichthys schultzi Schultz's Pipefish [66205] | | Species or species habitat may occur within area | In feature area |
| Cosmocampus banneri Roughridge Pipefish [66206] | | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|---|---------------------|--|-----------------|
| Doryrhamphus dactyliophorus Banded Pipefish, Ringed Pipefish [66210] | | Species or species habitat may occur within area | In feature area |
| Doryrhamphus excisus Bluestripe Pipefish, Indian Blue-stripe Pipefish, Pacific Blue-stripe Pipefish [66211] | | Species or species habitat may occur within area | In feature area |
| Doryrhamphus janssi Cleaner Pipefish, Janss' Pipefish [66212] | | Species or species habitat may occur within area | In feature area |
| Filicampus tigris Tiger Pipefish [66217] | | Species or species habitat may occur within area | In feature area |
| Halicampus brocki Brock's Pipefish [66219] | | Species or species habitat may occur within area | In feature area |
| Halicampus dunckeri Red-hair Pipefish, Duncker's Pipefish [66220] | | Species or species habitat may occur within area | In feature area |
| Halicampus grayi Mud Pipefish, Gray's Pipefish [66221] | | Species or species habitat may occur within area | In feature area |
| Halicampus spinostris Spiny-snout Pipefish [66225] | | Species or species habitat may occur within area | In feature area |
| Haliichthys taeniophorus Ribboned Pipehorse, Ribboned Seadragon [66226] | | Species or species habitat may occur within area | In feature area |
| Hippichthys penicillus Beady Pipefish, Steep-nosed Pipefish [66231] | | Species or species habitat may occur within area | In feature area |
| Hippocampus histrix Spiny Seahorse, Thorny Seahorse [66236] | | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|--|-----------------|
| Hippocampus kuda Spotted Seahorse, Yellow Seahorse [66237] | | Species or species habitat may occur within area | In feature area |
| Hippocampus planifrons Flat-face Seahorse [66238] | | Species or species habitat may occur within area | In feature area |
| Hippocampus spinosissimus Hedgehog Seahorse [66239] | | Species or species habitat may occur within area | In feature area |
| Micrognathus micronotopterus Tidepool Pipefish [66255] | | Species or species habitat may occur within area | In feature area |
| Solegnathus hardwickii Pallid Pipehorse, Hardwick's Pipehorse [66272] | | Species or species habitat may occur within area | In feature area |
| Solegnathus lettiensis Gunther's Pipehorse, Indonesian Pipefish [66273] | | Species or species habitat may occur within area | In feature area |
| Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183] | | Species or species habitat may occur within area | In feature area |
| Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279] | | Species or species habitat may occur within area | In feature area |
| Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280] | | Species or species habitat may occur within area | In feature area |
| Trachyrhamphus longirostris Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281] | | Species or species habitat may occur within area | In feature area |
| Reptile | | | |
| Aipysurus duboisii Dubois' Sea Snake, Dubois' Seasnake, Reef Shallows Sea Snake [1116] | | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|---|---------------------|--|---------------------|
| Aipysurus laevis Olive Sea Snake, Olive-brown Sea Snake [1120] | | Species or species habitat may occur within area | In feature area |
| Aipysurus mosaicus as Aipysurus eydouxii Mosaic Sea Snake [87261] | | Species or species habitat may occur within area | In feature area |
| Caretta caretta Loggerhead Turtle [1763] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Chelonia mydas Green Turtle [1765] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774] | | Species or species habitat likely to occur within area | In feature area |
| Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768] | Endangered | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Eretmochelys imbricata Hawksbill Turtle [1766] | Vulnerable | Foraging, feeding or related behaviour likely to occur within area | In feature area |
| Hydrelaps darwiniensis Port Darwin Sea Snake, Black-ringed Mangrove Sea Snake [1100] | | Species or species habitat may occur within area | In buffer area only |
| Hydrophis atriceps Black-headed Sea Snake, Banded Sea Snake [1101] | | Species or species habitat may occur within area | In feature area |
| Hydrophis coggeri Cogger's Sea Snake, Black-headed Sea Snake [25925] | | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|---|---------------------|--|---------------------|
| Hydrophis elegans Elegant Sea Snake, Bar-bellied Sea Snake [1104] | | Species or species habitat may occur within area | In feature area |
| Hydrophis hardwickii as Lapemis hardwickii Spine-bellied Sea Snake [93516] | | Species or species habitat may occur within area | In feature area |
| Hydrophis inornatus Plain Sea Snake [1107] | | Species or species habitat may occur within area | In feature area |
| Hydrophis kingii as Disteira kingii Spectacled Sea Snake [93511] | | Species or species habitat may occur within area | In feature area |
| Hydrophis macdowelli as Hydrophis mcdowelli MacDowell's Sea Snake, Small-headed Sea Snake, [75601] | | Species or species habitat may occur within area | In feature area |
| Hydrophis major as Disteira major Olive-headed Sea Snake [93512] | | Species or species habitat may occur within area | In feature area |
| Hydrophis ornatus Spotted Sea Snake, Ornate Reef Sea Snake [1111] | | Species or species habitat may occur within area | In feature area |
| Hydrophis pacificus Pacific Sea Snake, Large-headed Sea Snake [1112] | | Species or species habitat may occur within area | In buffer area only |
| Hydrophis peronii as Acalyptophis peronii Horned Sea Snake [93509] | | Species or species habitat may occur within area | In feature area |
| Hydrophis platura as Pelamis platurus Yellow-bellied Sea Snake [93746] | | Species or species habitat may occur within area | In feature area |
| Hydrophis stokesii as Astrotia stokesii Stokes' Sea Snake [93510] | | Species or species habitat may occur within area | In feature area |

| Scientific Name | Threatened Category | Presence Text | Buffer Status |
|--|---------------------|---|---------------------|
| Hydrophis zweifeli as Enhydrina schistosa Australian Beaked Sea Snake [93514] | | Species or species habitat may occur within area | In feature area |
| Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767] | Endangered | Species or species habitat known to occur within area | In feature area |
| Natator depressus Flatback Turtle [59257] | Vulnerable | Foraging, feeding or related behaviour known to occur within area | In feature area |
| Parahydrophis mertoni Arafura Smooth Sea Snake, Northern Mangrove Sea Snake [1090] | | Species or species habitat may occur within area | In buffer area only |

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

| Current Scientific Name | Status | Type of Presence | Buffer Status |
|---|------------|--|-----------------|
| Mammal | | | |
| Balaenoptera borealis Sei Whale [34] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Balaenoptera edeni Bryde's Whale [35] | | Species or species habitat may occur within area | In feature area |
| Balaenoptera musculus Blue Whale [36] | Endangered | Species or species habitat likely to occur within area | In feature area |
| Balaenoptera physalus Fin Whale [37] | Vulnerable | Species or species habitat may occur within area | In feature area |
| Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60] | | Species or species habitat may occur within area | In feature area |
| Grampus griseus Risso's Dolphin, Grampus [64] | | Species or species habitat may occur within area | In feature area |

| Current Scientific Name | Status | Type of Presence | Buffer Status |
|--|--------|--|-----------------|
| Megaptera novaeangliae Humpback Whale [38] | | Species or species habitat likely to occur within area | In feature area |
| Orcinus orca Killer Whale, Orca [46] | | Species or species habitat may occur within area | In feature area |
| Pseudorca crassidens False Killer Whale [48] | | Species or species habitat likely to occur within area | In feature area |
| Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51] | | Species or species habitat may occur within area | In feature area |
| Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418] | | Species or species habitat may occur within area | In feature area |
| Tursiops aduncus (Arafura/Timor Sea populations) Spotted Bottlenose Dolphin (Arafura/Timor Sea populations) [78900] | | Species or species habitat likely to occur within area | In feature area |
| Tursiops truncatus s. str. Bottlenose Dolphin [68417] | | Species or species habitat may occur within area | In feature area |

| Australian Marine Parks | | | [Resource Information] |
|-------------------------|-----------------------------|---------------------|--------------------------|
| Park Name | Zone & IUCN Categories | Buffer Status | |
| Oceanic Shoals | Multiple Use Zone (IUCN VI) | In buffer area only | |

Extra Information

| EPBC Act Referrals | | | | | [Resource Information] |
|---|------------|-------------------|-------------------|---------------------|--------------------------|
| Title of referral | Reference | Referral Outcome | Assessment Status | Buffer Status | |
| Marine Route Survey for Subsea Fibre Optic Data Cable System - Australia West | 2024/09826 | | Completed | In buffer area only | |
| Controlled action | | | | | |
| Bonaparte Liquified Natural Gas Project | 2011/6141 | Controlled Action | Post-Approval | In feature area | |

| Title of referral | Reference | Referral Outcome | Assessment Status | Buffer Status |
|---|-----------|---|-------------------|---------------------|
| Controlled action | | | | |
| Ichthys Gas Field, Offshore and onshore processing facilities and subsea pipeline | 2008/4208 | Controlled Action | Post-Approval | In feature area |
| Not controlled action | | | | |
| 2D Seismic Survey in Permit Areas WA-318-P & WA-319-P, near Cape Londonderry | 2004/1687 | Not Controlled Action | Completed | In feature area |
| Marine Survey for the Australia-ASEAN Power Link AAPL | 2020/8714 | Not Controlled Action | Completed | In buffer area only |
| Not controlled action (particular manner) | | | | |
| 2D Marine Seismic Survey | 2009/4728 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| 2D Seismic survey | 2009/5076 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Bonaparte Seismic and Bathymetric Survey | 2012/6295 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Kingtree & Ironstone-1 Exploration Wells | 2011/5935 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Marine Environmental Survey 2012 | 2012/6310 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| NT/P77 3D Marine Seismic Survey | 2009/4683 | Not Controlled Action (Particular Manner) | Post-Approval | In buffer area only |
| NT/P80 2010 2D Marine Seismic Survey | 2010/5487 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Petrel MC2D Marine Seismic Survey | 2010/5368 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Santos Petrel-7 Offshore Appraisal Drilling Programme (Bonaparte Basin) | 2011/5934 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |

| Title of referral | Reference | Referral Outcome | Assessment Status | Buffer Status |
|---|-----------|---|-------------------|-----------------|
| Not controlled action (particular manner) | | | | |
| Sonar and Acoustic Trials | 2001/345 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Westralia SPAN Marine Seismic Survey, WA & NT | 2012/6463 | Not Controlled Action (Particular Manner) | Post-Approval | In feature area |
| Referral decision | | | | |
| 2D Marine Seismic Survey | 2008/4623 | Referral Decision | Completed | In feature area |

Key Ecological Features

[\[Resource Information \]](#)

Key Ecological Features are the parts of the marine ecosystem that are considered to be important for the biodiversity or ecosystem functioning and integrity of the Commonwealth Marine Area.

| Name | Region | Buffer Status |
|--|------------|---------------------|
| Pinnacles of the Bonaparte Basin | North-west | In feature area |
| Pinnacles of the Bonaparte Basin | North | In buffer area only |

Biologically Important Areas

[\[Resource Information \]](#)

| Scientific Name | Behaviour | Presence | Buffer Status |
|---------------------------------------|-----------|----------------|-----------------|
| Marine Turtles | | | |
| Caretta caretta | | | |
| Loggerhead Turtle [1763] | Foraging | Known to occur | In feature area |
| Chelonia mydas | | | |
| Green Turtle [1765] | Foraging | Known to occur | In feature area |
| Lepidochelys olivacea | | | |
| Olive Ridley Turtle [1767] | Foraging | Known to occur | In feature area |
| Natator depressus | | | |
| Flatback Turtle [59257] | Foraging | Known 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

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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

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

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

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