

## Attachment E: Protected Matters Search Tool Report



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: 14-Feb-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](#).

|                                                              |      |
|--------------------------------------------------------------|------|
| <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>                    | None |
| <a href="#">Listed Threatened Ecological Communities:</a>    | 5    |
| <a href="#">Listed Threatened Species:</a>                   | 36   |
| <a href="#">Listed Migratory Species:</a>                    | 11   |

## 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>                                 | None |
| <a href="#">Commonwealth Heritage Places:</a>                       | None |
| <a href="#">Listed Marine Species:</a>                              | 19   |
| <a href="#">Whales and Other Cetaceans:</a>                         | None |
| <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> | None |

## 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>           | 2    |
| <a href="#">Regional Forest Agreements:</a>             | None |
| <a href="#">Nationally Important Wetlands:</a>          | None |
| <a href="#">EPBC Act Referrals:</a>                     | 12   |
| <a href="#">Key Ecological Features (Marine):</a>       | None |
| <a href="#">Biologically Important Areas:</a>           | None |
| <a href="#">Bioregional Assessments:</a>                | None |
| <a href="#">Geological and Bioregional Assessments:</a> | None |

# Details

## Matters of National Environmental Significance

Listed Threatened Ecological Communities

[ Resource Information ]

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

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

| Community Name                                                                                                       | Threatened Category | Presence Text                         | Buffer Status   |
|----------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------|-----------------|
| <a href="#">Brigalow (Acacia harpophylla dominant and co-dominant)</a>                                               | Endangered          | Community known to occur within area  | In feature area |
| <a href="#">Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions</a> | Endangered          | Community likely to occur within area | In feature area |
| <a href="#">Poplar Box Grassy Woodland on Alluvial Plains</a>                                                        | Endangered          | Community likely to occur within area | In feature area |
| <a href="#">Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</a>          | Endangered          | Community likely to occur within area | In feature area |
| <a href="#">Weeping Myall Woodlands</a>                                                                              | Endangered          | Community likely to occur within area | 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                                                               |                       |                                                  |                 |
| <a href="#">Calidris acuminata</a><br>Sharp-tailed Sandpiper [874] | Vulnerable            | Species or species habitat may occur within area | In feature area |
| <a href="#">Calidris ferruginea</a><br>Curlew Sandpiper [856]      | Critically Endangered | Species or species habitat may occur within area | In feature area |
| <a href="#">Erythroriorchis radiatus</a><br>Red Goshawk [942]      | Endangered            | Species or species habitat may occur within area | In feature area |

| Scientific Name                                                                                                               | Threatened Category | Presence Text                                          | Buffer Status   |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------|-----------------|
| <a href="#">Falco hypoleucos</a><br>Grey Falcon [929]                                                                         | Vulnerable          | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Gallinago hardwickii</a><br>Latham's Snipe, Japanese Snipe [863]                                                  | Vulnerable          | Species or species habitat may occur within area       | In feature area |
| <a href="#">Geophaps scripta scripta</a><br>Squatter Pigeon (southern) [64440]                                                | Vulnerable          | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Grantiella picta</a><br>Painted Honeyeater [470]                                                                  | Vulnerable          | Species or species habitat may occur within area       | In feature area |
| <a href="#">Hirundapus caudacutus</a><br>White-throated Needletail [682]                                                      | Vulnerable          | Species or species habitat may occur within area       | In feature area |
| <a href="#">Neochmia ruficauda ruficauda</a><br>Star Finch (eastern), Star Finch (southern) [26027]                           | Endangered          | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Rostratula australis</a><br>Australian Painted Snipe [77037]                                                      | Endangered          | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Stagonopleura guttata</a><br>Diamond Firetail [59398]                                                             | Vulnerable          | Species or species habitat may occur within area       | In feature area |
| <a href="#">Turnix melanogaster</a><br>Black-breasted Button-quail [923]                                                      | Vulnerable          | Species or species habitat may occur within area       | In feature area |
| MAMMAL                                                                                                                        |                     |                                                        |                 |
| <a href="#">Dasyurus hallucatus</a><br>Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331] | Endangered          | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Macroderma gigas</a><br>Ghost Bat [174]                                                                           | Vulnerable          | Species or species habitat may occur within area       | In feature area |

| Scientific Name                                                                                                                                                                                   | Threatened Category | Presence Text                                                | Buffer Status       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------|---------------------|
| <a href="#">Nyctophilus corbeni</a><br>Corben's Long-eared Bat, South-eastern Long-eared Bat [83395]                                                                                              | Vulnerable          | Species or species habitat may occur within area             | In feature area     |
| <a href="#">Petauroides volans</a><br>Greater Glider (southern and central) [254]                                                                                                                 | Endangered          | Species or species habitat known to occur within area        | In feature area     |
| <a href="#">Petaurus australis australis</a><br>Yellow-bellied Glider (south-eastern) [87600]                                                                                                     | Vulnerable          | Species or species habitat likely to occur within area       | In feature area     |
| <a href="#">Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)</a><br>Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104] | Endangered          | Species or species habitat likely to occur within area       | In feature area     |
| <a href="#">Pteropus poliocephalus</a><br>Grey-headed Flying-fox [186]                                                                                                                            | Vulnerable          | Foraging, feeding or related behaviour may occur within area | In feature area     |
| PLANT                                                                                                                                                                                             |                     |                                                              |                     |
| <a href="#">Arthraxon hispidus</a><br>Hairy-joint Grass [9338]                                                                                                                                    | Vulnerable          | Species or species habitat may occur within area             | In feature area     |
| <a href="#">Cadellia pentastylis</a><br>Ooline [9828]                                                                                                                                             | Vulnerable          | Species or species habitat likely to occur within area       | In feature area     |
| <a href="#">Cossinia australiana</a><br>Cossinia [3066]                                                                                                                                           | Endangered          | Species or species habitat may occur within area             | In buffer area only |
| <a href="#">Dichanthium queenslandicum</a><br>King Blue-grass [5481]                                                                                                                              | Endangered          | Species or species habitat known to occur within area        | In feature area     |
| <a href="#">Dichanthium setosum</a><br>bluegrass [14159]                                                                                                                                          | Vulnerable          | Species or species habitat likely to occur within area       | In feature area     |
| <a href="#">Polianthion minutiflorum</a><br>[82772]                                                                                                                                               | Vulnerable          | Species or species habitat may occur within area             | In feature area     |



| Scientific Name                                                                                                            | Threatened Category   | Presence Text                                          | Buffer Status   |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|-----------------|
| <a href="#">Solanum dissectum</a><br>[75720]                                                                               | Endangered            | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Solanum johnsonianum</a><br>[84820]                                                                            | Endangered            | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Xerothamnella herbacea</a><br>[4146]                                                                           | Endangered            | Species or species habitat known to occur within area  | In feature area |
| REPTILE                                                                                                                    |                       |                                                        |                 |
| <a href="#">Delma torquata</a><br>Adorned Delma, Collared Delma [1656]                                                     | Vulnerable            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Denisonia maculata</a><br>Ornamental Snake [1193]                                                              | Vulnerable            | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Egernia rugosa</a><br>Yakka Skink [1420]                                                                       | Vulnerable            | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Elseya albagula</a><br>Southern Snapping Turtle, White-throated Snapping Turtle [81648]                        | Critically Endangered | Species or species habitat known to occur within area  | In feature area |
| <a href="#">Furina dunmalli</a><br>Dunmall's Snake [59254]                                                                 | Vulnerable            | Species or species habitat may occur within area       | In feature area |
| <a href="#">Hemiaspis damelii</a><br>Grey Snake [1179]                                                                     | Endangered            | Species or species habitat likely to occur within area | In feature area |
| <a href="#">Rheodytes leukops</a><br>Fitzroy River Turtle, Fitzroy Tortoise, Fitzroy Turtle, White-eyed River Diver [1761] | Endangered            | Species or species habitat known to occur within area  | In feature area |
| SNAIL                                                                                                                      |                       |                                                        |                 |
| <a href="#">Adclarkia dawsonensis</a><br>Boggomoss Snail, Dawson River Snail, Dawson Valley Snail [67458]                  | Critically Endangered | Species or species habitat known to occur within area  | In feature area |



| Listed Migratory Species                                                               |                       |                                                        | [ Resource Information ] |
|----------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------|--------------------------|
| Scientific Name                                                                        | Threatened Category   | Presence Text                                          | Buffer Status            |
| Migratory Marine Birds                                                                 |                       |                                                        |                          |
| <a href="#">Apus pacificus</a><br>Fork-tailed Swift [678]                              |                       | Species or species habitat likely to occur within area | In feature area          |
| Migratory Marine Species                                                               |                       |                                                        |                          |
| <a href="#">Crocodylus porosus</a><br>Salt-water Crocodile, Estuarine Crocodile [1774] |                       | Species or species habitat likely to occur within area | In feature area          |
| Migratory Terrestrial Species                                                          |                       |                                                        |                          |
| <a href="#">Cuculus optatus</a><br>Oriental Cuckoo, Horsfield's Cuckoo [86651]         |                       | Species or species habitat may occur within area       | In feature area          |
| <a href="#">Hirundapus caudacutus</a><br>White-throated Needletail [682]               | Vulnerable            | Species or species habitat may occur within area       | In feature area          |
| <a href="#">Motacilla flava</a><br>Yellow Wagtail [644]                                |                       | Species or species habitat may occur within area       | In feature area          |
| Migratory Wetlands Species                                                             |                       |                                                        |                          |
| <a href="#">Actitis hypoleucos</a><br>Common Sandpiper [59309]                         |                       | Species or species habitat likely to occur within area | In feature area          |
| <a href="#">Calidris acuminata</a><br>Sharp-tailed Sandpiper [874]                     | Vulnerable            | Species or species habitat may occur within area       | In feature area          |
| <a href="#">Calidris ferruginea</a><br>Curlew Sandpiper [856]                          | Critically Endangered | Species or species habitat may occur within area       | In feature area          |
| <a href="#">Calidris melanotos</a><br>Pectoral Sandpiper [858]                         |                       | Species or species habitat may occur within area       | In feature area          |
| <a href="#">Gallinago hardwickii</a><br>Latham's Snipe, Japanese Snipe [863]           | Vulnerable            | Species or species habitat may occur within area       | In feature area          |



| Scientific Name                                   | Threatened Category | Presence Text                                          | Buffer Status   |
|---------------------------------------------------|---------------------|--------------------------------------------------------|-----------------|
| <a href="#">Pandion haliaetus</a><br>Osprey [952] |                     | Species or species habitat likely to occur within area | In feature area |

### Other Matters Protected by the EPBC Act

| Listed Marine Species                                               | [ <a href="#">Resource Information</a> ] |                                                                            |                 |
|---------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------|-----------------|
| Scientific Name                                                     | Threatened Category                      | Presence Text                                                              | Buffer Status   |
| Bird                                                                |                                          |                                                                            |                 |
| <a href="#">Actitis hypoleucos</a><br>Common Sandpiper [59309]      |                                          | 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="#">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 may occur within area                           | In feature area |
| <a href="#">Calidris ferruginea</a><br>Curlew Sandpiper [856]       | Critically Endangered                    | Species or species habitat may occur within area overfly marine area       | In feature area |

| Scientific Name                                                                           | Threatened Category | Presence Text                                                              | Buffer Status   |
|-------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------|-----------------|
| <a href="#">Calidris melanotos</a><br>Pectoral Sandpiper [858]                            |                     | Species or species habitat may 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 likely to occur within area overfly marine area | In feature area |
| <a href="#">Gallinago hardwickii</a><br>Latham's Snipe, Japanese Snipe [863]              | Vulnerable          | Species or species habitat may 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="#">Hirundapus caudacutus</a><br>White-throated Needletail [682]                  | Vulnerable          | Species or species habitat may 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 flava</a><br>Yellow Wagtail [644]                                   |                     | Species or species habitat may occur within area overfly marine area       | In feature area |
| <a href="#">Myiagra cyanoleuca</a><br>Satin Flycatcher [612]                              |                     | Species or species habitat known to occur within area overfly marine area  | In feature area |
| <a href="#">Pandion haliaetus</a><br>Osprey [952]                                         |                     | Species or species habitat likely to occur within area                     | In feature area |
| <a href="#">Pterodroma cervicalis</a><br>White-necked Petrel [59642]                      |                     | Species or species habitat may occur within area                           | In feature area |

| Scientific Name                                                                                                  | Threatened Category | Presence Text                                                              | Buffer Status   |
|------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------|-----------------|
| <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 likely to occur within area overfly marine area | In feature area |

| Reptile                                                                                |  |                                                        |                 |
|----------------------------------------------------------------------------------------|--|--------------------------------------------------------|-----------------|
| <a href="#">Crocodylus porosus</a><br>Salt-water Crocodile, Estuarine Crocodile [1774] |  | Species or species habitat likely to occur within area | In feature area |

### Extra Information

| State and Territory Reserves |                   |       | [ <a href="#">Resource Information</a> ] |
|------------------------------|-------------------|-------|------------------------------------------|
| Protected Area Name          | Reserve Type      | State | Buffer Status                            |
| Highworth Bend               | Conservation Park | QLD   | In buffer area only                      |
| Willawa                      | Nature Refuge     | QLD   | In feature area                          |

| EPBC Act Referrals                                                                   |           |                  |                   |                 | [ <a href="#">Resource Information</a> ] |
|--------------------------------------------------------------------------------------|-----------|------------------|-------------------|-----------------|------------------------------------------|
| Title of referral                                                                    | Reference | Referral Outcome | Assessment Status | Buffer Status   |                                          |
| <a href="#">Baralaba South Coal Project and Transport Corridor, Bowen Basin, QLD</a> | 2012/6547 |                  | Approval          | In feature area |                                          |
| <a href="#">Theodore Coal Project</a>                                                | 2003/992  |                  | Completed         | In feature area |                                          |
| <a href="#">Westside Corporation PL94 Coal Seam Gas Project</a>                      | 2021/9117 |                  | Assessment        | In feature area |                                          |

| Controlled action                                                                                                 |           |                   |               |                 |
|-------------------------------------------------------------------------------------------------------------------|-----------|-------------------|---------------|-----------------|
| <a href="#">Construct and operate 447km high pressure gas transmission pipeline</a>                               | 2009/4976 | Controlled Action | Post-Approval | In feature area |
| <a href="#">ZeroGen Integrated Gasification Combined Cycle Power Plant and CO2 Capture, Transport and Storage</a> | 2009/5195 | Controlled Action | Completed     | In feature area |

| Not controlled action                                                                             |           |                       |           |                 |
|---------------------------------------------------------------------------------------------------|-----------|-----------------------|-----------|-----------------|
| <a href="#">Baralaba Mine haul road upgrade &amp; private access road, north of Baralaba, Qld</a> | 2014/7398 | Not Controlled Action | Completed | In feature area |

| Title of referral                                                                                            | Reference | Referral Outcome      | Assessment Status | Buffer Status       |
|--------------------------------------------------------------------------------------------------------------|-----------|-----------------------|-------------------|---------------------|
| Not controlled action                                                                                        |           |                       |                   |                     |
| <a href="#">Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia</a> | 2015/7522 | Not Controlled Action | Completed         | In feature area     |
| <a href="#">Molopo gas fired power station and associated infrastructure</a>                                 | 2010/5675 | Not Controlled Action | Completed         | In feature area     |
| <a href="#">Molopo Gas Fired Power Station and Associated Infrastructure</a>                                 | 2010/5416 | Not Controlled Action | Completed         | In feature area     |
| <a href="#">Moura Solar Farm</a>                                                                             | 2021/8973 | Not Controlled Action | Completed         | In buffer area only |
| <a href="#">Queensland Nitrates Pipeline Project Theodore - Baralaba Road, Moura, QLD</a>                    | 2014/7371 | Not Controlled Action | Completed         | In feature area     |
| <a href="#">Surat Basin Railway</a>                                                                          | 2008/3944 | Not Controlled Action | Completed         | In buffer area only |

# 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](#)
- [-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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