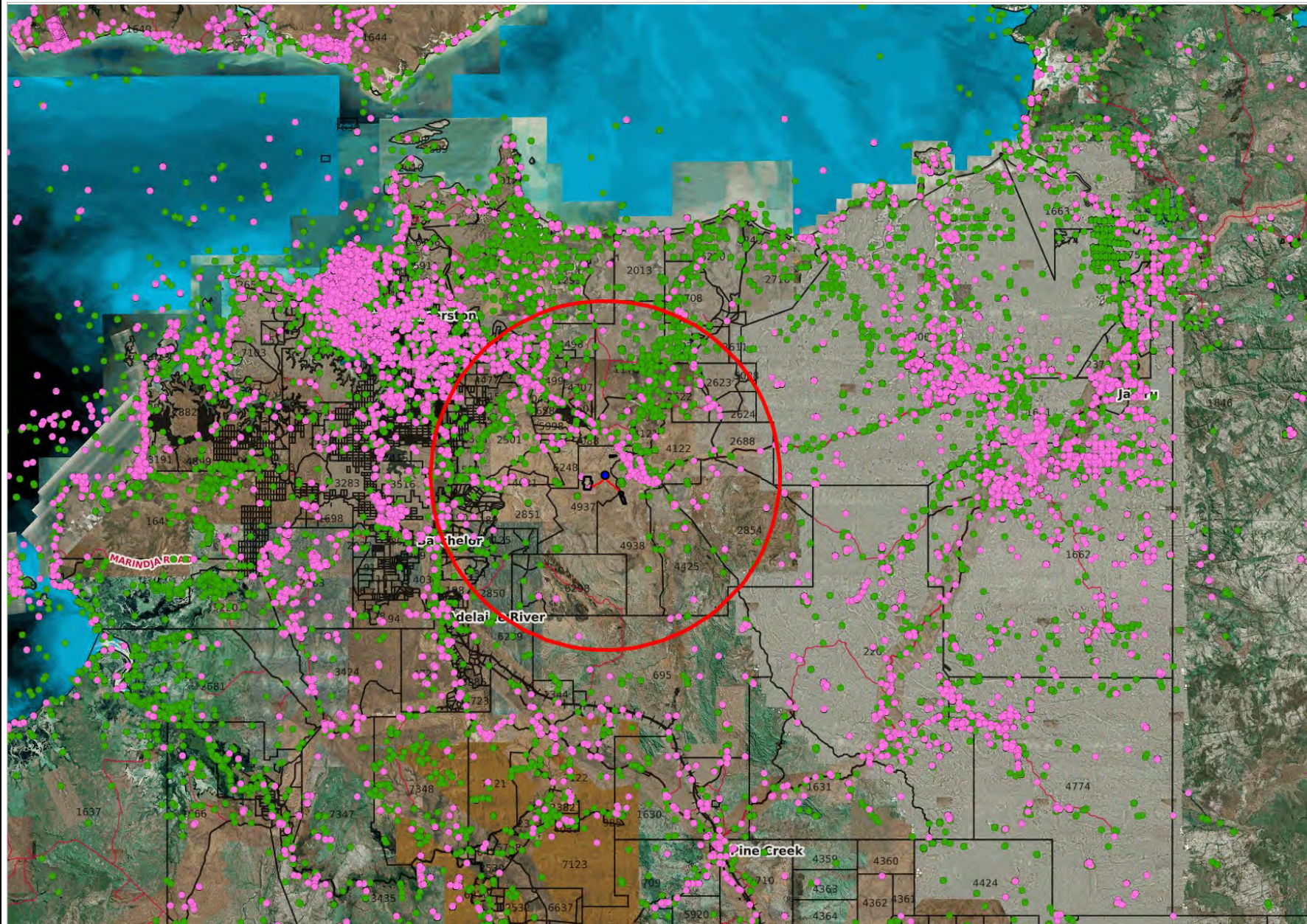


Appendix R - Ecological Searches

Appendix R-1 - NR Maps Search





Legend

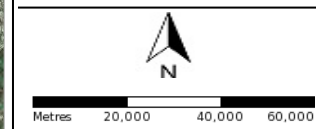
Upload (Project Area)



Threatened Fauna



Significant Fauna



nrmaps.nt.gov.au
Geospatial Services Branch

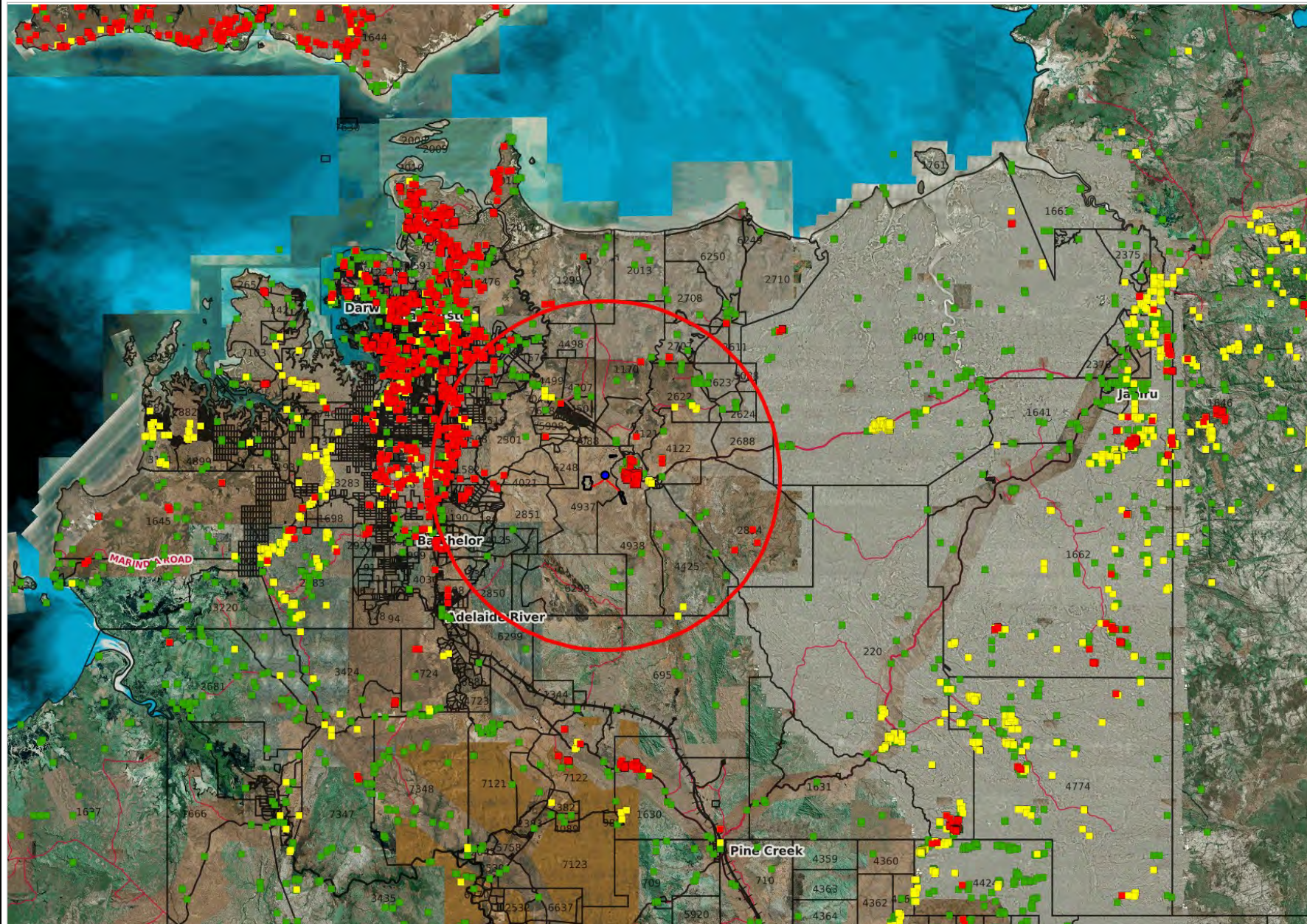


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Parks and Water Security
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NR MAPS

Threatened, Restricted Range and Significant Flora



Legend

Upload (Project Area)



Threatened Flora



Restricted Range Flora



Significant Flora



Metres 20,000 40,000 60,000

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NR MAPS Listed Fauna Threatened Species Recorded in 50 km Project Area Buffer

Taxon ID	Scientific Name	Common Name	TWPC Act	EPBC Act
10538	<i>Trichosurus vulpecula arnhemensis</i>	Common Brushtail Possum (north-western)	NT	VU
6451	<i>Pristis pristis</i>	Large-tooth Sawfish	VU	VU (Migratory)
10001	<i>Acanthophis hawkei</i>	Plains Death Adder	VU	VU
10486	<i>Erythrura gouldiae</i>	Gouldian Finch	VU	EN
10503	<i>Dasyurus hallucatus</i>	Northern Quoll	CR	EN
9695	<i>Uperoleia daviesae</i>	Howard Springs Toadlet	VU	Not Listed
9963	<i>Varanus panoptes</i>	Yellow-spotted Monitor	VU	Not Listed
53124	<i>Mesembriomys gouldii gouldii</i>	Black-footed Tree-rat (Kimberley and mainland Northern Territory)	VU	EN
5691	<i>Glyphis glyphis</i>	Speartooth Shark	VU	CR
9769	<i>Lucasium occultum</i>	Yellow-snouted Ground Gecko	VU	EN
10508	<i>Antechinus bellus</i>	Fawn Antechinus	EN	VU
158768	<i>Geophaps smithii smithii</i>	Partridge Pigeon (eastern)	VU	VU
10241	<i>Calidris tenuirostris</i>	Great Knot	VU	CR (Migratory)
9961	<i>Varanus mertensi</i>	Mertens' Water Monitor	VU	Not Listed
10221	<i>Rostratula australis</i>	Australian Painted-snipe	VU	EN
9962	<i>Varanus mitchelli</i>	Mitchell's Water Monitor	VU	Not Listed
10211	<i>Charadrius leschenaultii</i>	Greater Sand Plover	VU	VU (Migratory)
10558	<i>Macroderma gigas</i>	Ghost Bat	NT	VU
10242	<i>Calidris canutus</i>	Red Knot	VU	EN (Migratory)
10229	<i>Numenius madagascariensis</i>	Far Eastern Curlew	VU	CR (Migratory)
10381	<i>Epthianura crocea tunneyi</i>	Yellow Chat (Alligator Rivers)	EN	EN
10620	<i>Rattus tunneyi</i>	Pale Field-rat	VU	Not Listed
5690	<i>Glyphis garricki</i>	Northern River Shark	EN	EN
10591	<i>Conilurus penicillatus</i>	Brush-tailed Rabbit-rat	EN	VU
10250	<i>Calidris ferruginea</i>	Curlew Sandpiper	VU	CR (Migratory)
10210	<i>Charadrius mongolus</i>	Lesser Sand Plover	VU	EN (Migratory)
10173	<i>Erythrotriorchis radiatus</i>	Red Goshawk	VU	VU
10316	<i>Tyto novaehollandiae kimberli</i>	Masked Owl (northern mainland)	VU	VU
10338	<i>Amytornis woodwardi</i>	White-throated Grasswren	VU	VU
10226	<i>Limosa lapponica</i>	Bar-tailed Godwit	VU	Not listed - (Migratory)
10510	<i>Phascogale pirata</i>	Northern Brush-tailed Phascogale	EN	VU

10179	<i>Falco hypoleucos</i>	Grey Falcon	VU	VU
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NR MAPS Listed Threatened Flora Species Recorded in 50 km Project Area Buffer

Taxon ID	Scientific Name	Common Name	TPWC Act	EPBC Act
105583	<i>Cycas armstrongii</i>		VU	
2031132	<i>Helicteres macrothrix</i>	Helicteres	EN	EN
4625648	<i>Typhonium praetermissum</i>	Typhonium	VU	
1752777	<i>Ptychosperma macarthurii</i>	Ptychosperma, Macarthurs Palm	EN	
4648240	<i>Typhonium taylorii</i>	Typhonium	EN	EN
5301185	<i>Cleome insolata</i>		VU	
2017963	<i>Utricularia dunstaniae</i>	Utricularia, Bladderwort	VU	
1769827	<i>Schoutenia ovata</i>	Schoutenia	VU	
1600856	<i>Monochoria hastata</i>	Monochoria	VU	
1658979	<i>Luisia corrugata</i>	Luisia	VU	
1896721	<i>Goodenia quadrifida</i>	Goodenia	DD	VU
1979263	<i>Habenaria rumphii</i>	Habenaria	EN	

Appendix R-2 - EPBC Search

EPBC Act Protected Matters Search Tool Results				PMST Search Year	
No.	Species	Status	Type of Presence	2017 - 20 km	2021 - 25 km
Birds					
1	Curlew Sandpiper (<i>Calidris ferruginea</i>)	Critically Endangered	Species or species habitat may occur within area	✓	✓
2	Greater Sand Plover, Large Sand Plover (<i>Charadrius leschenaultii</i>)	Vulnerable	Species or species habitat known to occur within area		✓
3	Alligator Rivers Yellow Chat, Yellow Chat (Alligator Rivers) (<i>Epthianura crocea tunneyi</i>)	Endangered	Species or species habitat likely to occur within area	✓	✓
4	Red Goshawk (<i>Erythrotriorchis radiatus</i>)	Vulnerable	Species or species habitat known to occur within area	✓	✓
5	Gouldian Finch (<i>Erythrura gouldiae</i>)	Endangered	Species or species habitat known to occur within area	✓	✓
6	Grey Falcon (<i>Falco hypoleucos</i>)	Vulnerable	Species or species habitat known to occur within area		✓
7	Crested Shrike-tit (northern), Northern Shrike-tit (<i>Falcunculus frontatus whitei</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
8	Partridge Pigeon (<i>Geophaps smithii smithii</i>)	Vulnerable	Species or species habitat known to occur within area	✓	✓
9	Eastern Curlew, Far Eastern Curlew (<i>Numenius madagascariensis</i>)	Critically Endangered	Species or species habitat may occur within area	✓	✓
10	Australian Painted Snipe (<i>Rostratula australis</i>)	Endangered	Species or species habitat may occur within area	✓	✓
11	Masked Owl (northern) (<i>Tyto novaehollandiae kimberli</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
Mammals					
12	Fawn Antechinus (<i>Antechinus bellus</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
13	Brush-tailed Rabbit-rat, Brush-tailed Tree-rat, Pakooma (<i>Conilurus penicillatus</i>)	Vulnerable	Species or species habitat may occur within area	✓	✓
14	Northern Quoll (<i>Dasyurus hallucatus</i>)	Endangered	Species or species habitat known to occur within area	✓	✓
15	Ghost Bat (<i>Macroderma gigas</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
16	Black-footed Tree-rat (Kimberley and mainland Northern Territory) (<i>Mesembriomys gouldii gouldii</i>)	Endangered	Species or species habitat known to occur within area	✓	✓
17	Nabarlek (Top End) (<i>Petrogale concinna canescens</i>)	Endangered	Species or species habitat likely to occur within area	✓	✓
18	Northern Brush-tailed Phascogale (<i>Phascogale pirata</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
19	Bare-rumped Sheath-tailed Bat (<i>Saccolaimus nudicluniatus</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
20	Northern Brushtail Possum (<i>Trichosurus vulpecula arnhemensis</i>)	Vulnerable	Species or species habitat likely to occur within area		✓
21	Water Mouse, False Water Rat (<i>Xeromys myoides</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
Reptiles					
22	Plains Death Adder (<i>Acanthophis hawkei</i>)	Vulnerable	Species or species habitat known to occur within area	✓	✓
23	Yellow-snouted Gecko, Yellow-snouted Ground Gecko (<i>Lucasium occultum</i>)	Endangered	Species or species habitat likely to occur within area	✓	✓
Sharks					
24	Northern River Shark, New Guinea River Shark (<i>Glyphis garricki</i>)	Endangered	Species or species habitat known to occur within area	✓	✓
25	Freshwater Sawfish, Largetooth Sawfish (<i>Pristis pristis</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
24	Speartooth shark (<i>Glyphis glyphis</i>)	Critically Endangered	Species or species habitat known to occur within area	✓	
25	Dwarf sawfish (<i>Pristis clavata</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	
26	Green sawfish (<i>Pristis zijsron</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	
Total				25	25

No.	Species	Status	Type of Presence	2017 - 20 km	2021 - 25 km
Plants					
1	<i>Goodenia quadrifida</i>	Vulnerable	Species or species habitat known to occur within area	✓	✓
2	<i>Helicteres macrothrix</i>	Endangered	Species or species habitat known to occur within area	✓	✓
3	<i>Stylidium ensatum</i>	Endangered	Species or species habitat known to occur within area	✓	✓

No.	Species	Threatened	Type of Presence	2017 - 20 km	2021 - 25 km
Migratory Marine Birds					
1	Fork-tailed Swift (<i>Apus pacificus</i>)		Species or species habitat likely to occur within area	✓	✓
Migratory Marine Species					
2	Salt-water Crocodile, Estuarine Crocodile (<i>Crocodylus porosus</i>)		Species or species habitat likely to occur within area	✓	✓
3	Freshwater Sawfish, Largetooth Sawfish (<i>Pristis pristis</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	✓
4	Narrow sawfish (<i>Anoxypristis cuspidata</i>)	Vulnerable	Species or species habitat likely to occur within area	✓	
5	Loggerhead turtle (<i>Caretta caretta</i>)	Endangered		✓	
6	Green turtle (<i>Chelonia midas</i>)	Vulnerable		✓	
7	Leatherback turtle (<i>Dermochelys coricea</i>)	Endangered		✓	
8	Hawksbill turtle (<i>Eremochelys imbricata</i>)	Vulnerable		✓	
9	Olive ridley turtle (<i>Lepidochelys olivacea</i>)	Endangered		✓	
10	Reef manta ray (<i>Manta alfredi</i>)			✓	
11	Giant manta ray (<i>Manta birostris</i>)			✓	
12	Humpback whale (<i>Megaptera novaeangliae</i>)	Vulnerable		✓	
13	Flatback turtle (<i>Natator depressus</i>)	Vulnerable		✓	
14	Common greenshank (<i>Tringa nebularia</i>)				
Migratory					
15	Green sawfish (<i>Pristis zijsron</i>)	Vulnerable		✓	
16	Dwarf sawfish (<i>Pristis clavata</i>)	Vulnerable		✓	
17	Largetooth sawfish (<i>Pristis pristis</i>)	Vulnerable		✓	
18	Indo-Pacific humpback dolphin (<i>Sousa chinensis</i>)			✓	
Migratory Terrestrial Species					
19	Red-rumped Swallow (<i>Cecropis daurica</i>)		Species or species habitat may occur within area	✓	✓
20	Oriental Cuckoo (<i>Cuculus optatus</i>)		Species or species habitat known to occur within area	✓	✓
21	Barn Swallow (<i>Hirundo rustica</i>)		Species or species habitat likely to occur within area	✓	✓
22	Grey Wagtail (<i>Motacilla cinerea</i>)		Species or species habitat likely to occur within area	✓	✓
23	Yellow Wagtail (<i>Motacilla flava</i>)		Species or species habitat likely to occur within area	✓	✓
24	Rufous Fantail (<i>Rhipidura rufifrons</i>)		Species or species habitat known to occur within area	✓	✓
Migratory Wetland Species					
25	Oriental Reed-Warbler (<i>Acrocephalus orientalis</i>)		Species or species habitat may occur within area	✓	✓
26	Common Sandpiper (<i>Actitis hypoleucos</i>)		Species or species habitat known to occur within area		✓
27	Sharp-tailed Sandpiper (<i>Calidris acuminata</i>)		Species or species habitat known to occur within area	✓	✓
28	Curlew Sandpiper (<i>Calidris ferruginea</i>)	Critically Endange	Species or species habitat may occur within area	✓	✓
29	Pectoral Sandpiper (<i>Calidris melanotos</i>)		Species or species habitat may occur within area		✓
30	Greater Sand Plover, Large Sand Plover (<i>Charadrius leschenaultii</i>)	Vulnerable	Species or species habitat known to occur within area		✓
31	Oriental Plover, Oriental Dotterel (<i>Charadrius veredus</i>)		Species or species habitat may occur within area	✓	✓
32	Oriental Pratincole (<i>Glareola maldivarum</i>)		Species or species habitat may occur within area	✓	✓

33	Eastern Curlew, Far Eastern Curlew (<i>Numenius madagascariensis</i>)	Critically Endange	Species or species habitat may occur within area	✓	✓
34	Osprey (<i>Pandion haliaetus</i>)		Species or species habitat likely to occur within area	✓	✓
Listed Marine Species					
35	Magpie Goose (<i>Anseranas semipalmata</i>)		Species or species habitat may occur within area		✓
36	Cattle Egret (<i>Ardea ibis</i>)		Species or species habitat may occur within area		✓
37	Sharp-tailed Sandpiper (<i>Calidris acuminata</i>)		Species or species habitat known to occur within area		✓
38	Black-eared Cuckoo (<i>Chrysococcyx osculans</i>)		Species or species habitat likely to occur within area		✓
39	White-bellied Sea-Eagle (<i>Haliaeetus leucogaster</i>)		Species or species habitat known to occur within area		✓
40	Rainbow Bee-eater (<i>Merops ornatus</i>)		Species or species habitat may occur within area		✓
41	Painted Snipe (<i>Rostratula benghalensis</i>)	Endangered	Species or species habitat may occur within area	✓	✓
42	Freshwater Crocodile (<i>Crocodylus johnstoni</i>)		Species or species habitat may occur within area		✓



EPBC Act Protected Matters Report

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

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

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 20/08/21 00:47:58

[Summary](#)

[Details](#)

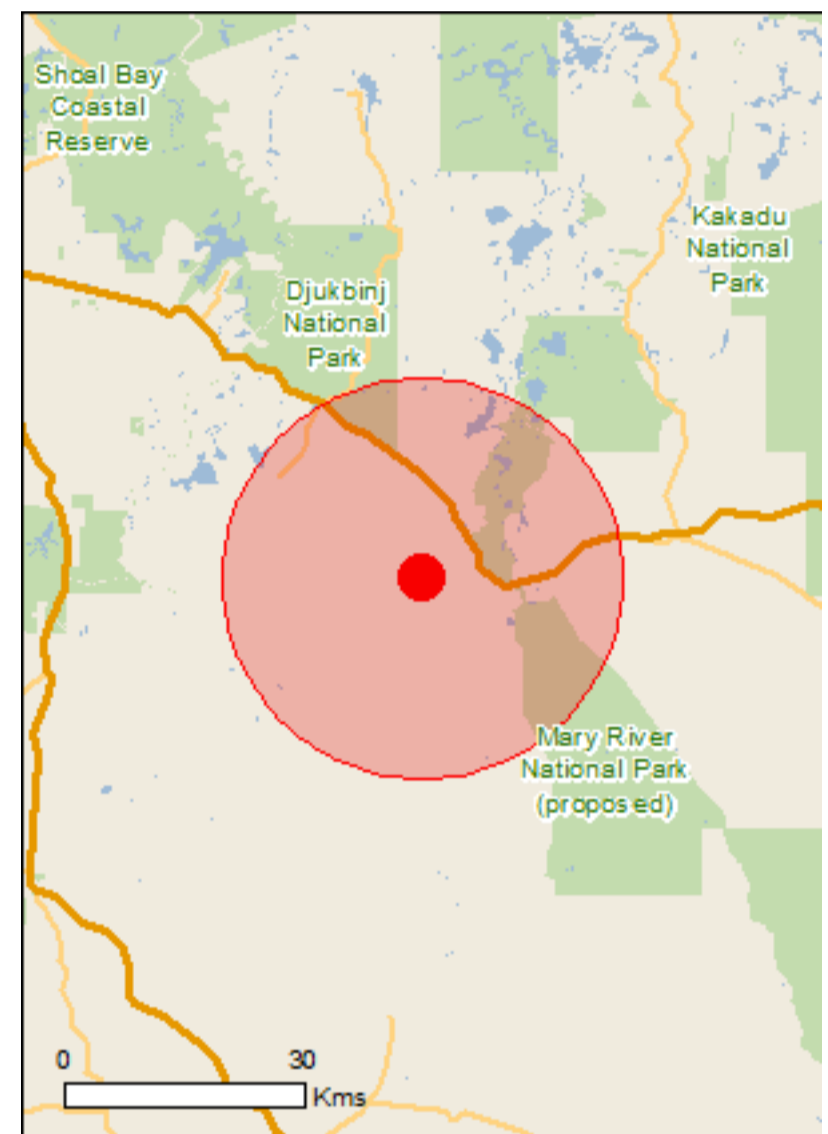
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



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[Coordinates](#)

[Buffer: 25.0Km](#)



Summary

Matters of National Environmental Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	28
Listed Migratory Species:	19

Other Matters Protected by the EPBC Act

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

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

A [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 Land:	1
Commonwealth Heritage Places:	1
Listed Marine Species:	24
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

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

State and Territory Reserves:	3
Regional Forest Agreements:	None
Invasive Species:	25
Nationally Important Wetlands:	2
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
Epthianura crocea tunneyi Alligator Rivers Yellow Chat, Yellow Chat (Alligator Rivers) [67089]	Endangered	Species or species habitat likely to occur within area
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat known to occur within area
Erythrura gouldiae Gouldian Finch [413]	Endangered	Species or species habitat known to occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat known to occur within area
Falcunculus frontatus whitei Crested Shrike-tit (northern), Northern Shrike-tit [26013]	Vulnerable	Species or species habitat likely to occur within area
Geophaps smithii smithii Partridge Pigeon (eastern) [64441]	Vulnerable	Species or species habitat known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Tyto novaehollandiae kimberli Masked Owl (northern) [26048]	Vulnerable	Species or species habitat likely to occur within area
Mammals		
Antechinus bellus Fawn Antechinus [344]	Vulnerable	Species or species habitat likely to occur within area

Name	Status	Type of Presence
Conilurus penicillatus Brush-tailed Rabbit-rat, Brush-tailed Tree-rat, Pakooma [132]	Vulnerable	Species or species habitat may occur within area
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat known to occur within area
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat likely to occur within area
Mesembriomys gouldii gouldii Black-footed Tree-rat (Kimberley and mainland Northern Territory), Djintamoonga, Manbul [87618]	Endangered	Species or species habitat known to occur within area
Petrogale concinna canescens Nabarlek (Top End) [87606]	Endangered	Species or species habitat likely to occur within area
Phascogale pirata Northern Brush-tailed Phascogale [82954]	Vulnerable	Species or species habitat likely to occur within area
Saccolaimus saccolaimus nudicluniatus Bare-rumped Sheath-tailed Bat, Bare-rumped Sheathtail Bat [66889]	Vulnerable	Species or species habitat likely to occur within area
Trichosurus vulpecula arnhemensis Northern Brushtail Possum [83091]	Vulnerable	Species or species habitat likely to occur within area
Xeromys myoides Water Mouse, False Water Rat, Yirrkoo [66]	Vulnerable	Species or species habitat likely to occur within area
Plants		
Goodenia quadrifida [56035]	Vulnerable	Species or species habitat known to occur within area
Helicteres macrothrix [86586]	Endangered	Species or species habitat known to occur within area
Stylidium ensatum a triggerplant [86366]	Endangered	Species or species habitat may occur within area
Reptiles		
Acanthophis hawkei Plains Death Adder [83821]	Vulnerable	Species or species habitat known to occur within area
Lucasium occultum Yellow-snouted Gecko, Yellow-snouted Ground Gecko [82993]	Endangered	Species or species habitat likely to occur within area
Sharks		
Glyphis garricki Northern River Shark, New Guinea River Shark [82454]	Endangered	Species or species habitat known to occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat likely to occur within area

Listed Migratory Species

[[Resource Information](#)]

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Migratory Marine Birds		

Name	Threatened	Type of Presence
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Marine Species		
Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Cecropis daurica Red-rumped Swallow [80610]		Species or species habitat may occur within area
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area
Migratory Wetlands Species		
Acrocephalus orientalis Oriental Reed-Warbler [59570]		Species or species habitat may occur within area
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species

Name	Threatened	Type of Presence
Pandion haliaetus Osprey [952]		habitat may occur within area Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

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

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.

Name
Defence - MT BUNDY TRAINING AREA

Commonwealth Heritage Places [\[Resource Information \]](#)

Name	State	Status
Natural		
Mount Bunday Military Training Area	NT	Listed place

Listed Marine Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds		
Acrocephalus orientalis Oriental Reed-Warbler [59570]		Species or species habitat may occur within area
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat known to occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Chrysococcyx osculans Black-eared Cuckoo [705]		Species or species habitat likely to occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo daurica Red-rumped Swallow [59480]		Species or species habitat may occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area
Reptiles		
Crocodylus johnstoni Freshwater Crocodile, Johnston's Crocodile, Johnstone's Crocodile [1773]		Species or species habitat may occur within area
Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area

Extra Information

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

Name	State
Djukbinj	NT
Leaning Tree Lagoon	NT
Mary River	NT

Invasive Species [\[Resource Information \]](#)

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

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Frogs		
Rhinella marina Cane Toad [83218]		Species or species habitat known to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Bubalus bubalis Water Buffalo, Swamp Buffalo [1]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Equus asinus Donkey, Ass [4]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur

Name	Status	Type of Presence within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Plants		
Andropogon gayanus Gamba Grass [66895]		Species or species habitat likely to occur within area
Brachiaria mutica Para Grass [5879]		Species or species habitat likely to occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat may occur within area
Eichhornia crassipes Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat likely to occur within area
Hymenachne amplexicaulis Hymenachne, Olive Hymenachne, Water Stargrass, West Indian Grass, West Indian Marsh Grass [31754]		Species or species habitat likely to occur within area
Jatropha gossypifolia Cotton-leaved Physic-Nut, Bellyache Bush, Cotton-leaf Physic Nut, Cotton-leaf Jatropha, Black Physic Nut [7507]		Species or species habitat likely to occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Mimosa pigra Mimosa, Giant Mimosa, Giant Sensitive Plant, Thorny Sensitive Plant, Black Mimosa, Catclaw Mimosa, Bashful Plant [11223]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Pennisetum polystachyon Mission Grass, Perennial Mission Grass, Missiongrass, Feathery Pennisetum, Feather Pennisetum, Thin Napier Grass, West Indian Pennisetum, Blue Buffel Grass [21194]		Species or species habitat likely to occur within area
Salvinia molesta Salvinia, Giant Salvinia, Aquarium Watermoss, Kariba Weed [13665]		Species or species habitat likely to occur within area
Vachellia nilotica Prickly Acacia, Blackthorn, Prickly Mimosa, Black Piquant, Babul [84351]		Species or species habitat may occur within area
Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Ramphotyphlops braminus Flowerpot Blind Snake, Brahminy Blind Snake, Cacing Besi [1258]		Species or species habitat likely to occur within area

Nationally Important Wetlands		[Resource Information]
Name		State
Adelaide River Floodplain System		NT

Name

State

[Mary Floodplain System](#)

NT

Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

Coordinates

-12.90119 131.54082

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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