

APPENDIX 9: SPECIES RECORDS AND LIKELIHOOD ASSESSMENT

Appendix 9.1: PMST Search

Appendix 9.2: Wildnet Search

Appendix 9.3: Observed Fauna

Appendix 9.4: Species Observation Metadata

Appendix 9.5: Likelihood Assessment Results

9.1 PMST SEARCH



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: 07-Oct-2022

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar)	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	6
Listed Threatened Species:	69
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

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 Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	42
Whales and Other Cetaceans:	1
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
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:	12
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)

[[Resource Information](#)]

Ramsar Site Name	Proximity	Buffer Status
Moreton bay	30 - 40km upstream from Ramsar site	In feature area

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
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community likely to occur within area	In feature area
Grey box-grey gum wet forest of subtropical eastern Australia	Endangered	Community may occur within area	In buffer area only
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community may occur within area	In feature area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area	In feature area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community may 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			
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
Epinephelus daemeli Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Neoceratodus forsteri Australian Lungfish, Queensland Lungfish [67620]	Vulnerable	Species or species habitat known to occur within area	In feature area
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
FROG			
Mixophyes fleayi Fleay's Frog [25960]	Endangered	Species or species habitat may occur within area	In feature area
INSECT			
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area	In feature area
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat may occur within area	In feature area
Dasyurus maculatus maculatus (SE mainland population) Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area	In feature area
Petaurus australis australis Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat may occur within area	In feature area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
PLANT			
Arthraxon hispidus Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Bosistoa transversa Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Corchorus cunninghamii Native Jute [14659]	Endangered	Species or species habitat may occur within area	In buffer area only
Cupaniopsis shirleyana Wedge-leaf Tuckerroo [3205]	Vulnerable	Species or species habitat may occur within area	In feature area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Fontainea venosa [24040]	Vulnerable	Species or species habitat may occur within area	In feature area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Macadamia ternifolia Small-fruited Queensland Nut, Gympie Nut [7214]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Macadamia tetraphylla Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Notelaea ipsviciensis Cooneana Olive [81858]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Notelaea lloydii Lloyd's Olive [15002]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Plectranthus omissus [55729]	Endangered	Species or species habitat may occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area	In feature area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Sophora fraseri [8836]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area	In feature area
REPTILE			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat known to occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area	In feature area
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

SHARK

Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
--	------------------------	--	---------------------

Listed Migratory Species

[[Resource Information](#)]

Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Ardenna grisea Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Migratory Marine Species			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Orcaella heinsohni Australian Snubfin Dolphin [81322]		Species or species habitat known to occur within area	In feature area
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to 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 known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to 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
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to 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 known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Ardena grisea as Puffinus griseus Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within 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 known to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni as Diomedea gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]		Species or species habitat may occur within area overfly marine area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area	In buffer area only
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area overfly marine area	In feature area
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area
Reptile			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Whales and Other Cetaceans			[Resource Information]	
Current Scientific Name	Status	Type of Presence	Buffer Status	
Mammal				
Orcaella heinsohni as Orcaella brevirostris				
Australian Snubfin Dolphin [81322]		Species or species habitat known to occur within area	In feature area	

Extra Information

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
Controlled action					
Citiswich Stage 7 - Commercial Development	2021/9112	Controlled Action	Assessment Approach	In feature area	
Southern Regional Water Pipeline	2006/2593	Controlled Action	Post-Approval	In buffer area only	
Not controlled action					
Collingwood Park stage 8 Subdivision	2011/6075	Not Controlled Action	Completed	In buffer area only	
Goodna and Bundamba Sewage Treatment Plant Upgrades	2010/5612	Not Controlled Action	Completed	In feature area	
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area	
Karalee residential development, Dan Street, Karalee, QLD	2014/7281	Not Controlled Action	Completed	In buffer area only	
Large lot residential development, Oxley Drive, Karalee, Qld	2017/7969	Not Controlled Action	Completed	In buffer area only	
New motorway alignment called the Goodna Bypass	2007/3648	Not Controlled Action	Completed	In feature area	
Removal of Grey-headed Flying-fox Habitat	2005/2137	Not Controlled Action	Completed	In feature area	
Western Corridor Recycled Water Project/Bundamba 1B AWTP and Oxley-Bundamba Pipeline	2006/3163	Not Controlled Action	Completed	In feature area	
Western Corridor Recycled Water Project - Bundamba to Caboonbah Pipeline	2006/3188	Not Controlled Action	Completed	In buffer area only	
Not controlled action (particular manner)					

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action (particular manner)				
Construction & Operation 275/330kV Transmission Line	2006/2820	Not Controlled Action (Particular Manner)	Post-Approval	In feature area

Bioregional Assessments

SubRegion	BioRegion	Website	Buffer Status
Clarence-Moreton	Clarence-Moreton	BA website	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 are 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

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

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

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
- 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.

[© Commonwealth of Australia](#)

Department of Agriculture Water and the Environment

GPO Box 858

Canberra City ACT 2601 Australia

+61 2 6274 1111

9.2 WILDNET SEARCH



Queensland Government

WildNet species list

Search Criteria: Species List for a Specified Point
Species: All
Type: All
Queensland status: Rare and threatened species
Records: All
Date: Since 1980
Latitude: -27.5833
Longitude: 152.8234
Distance: 4
Email: imogen.cunningham@litoria.com.au
Date submitted: Wednesday 27 Jul 2022 13:36:29
Date extracted: Wednesday 27 Jul 2022 13:40:02

The number of records retrieved = 12

Disclaimer

Information presented on this product is distributed by the Queensland Government as an information source only. While every care is taken to ensure the accuracy of this data, the State of Queensland makes no statements, representations or warranties about the accuracy, reliability, completeness or suitability of any information contained in this product.

The State of Queensland disclaims all responsibility for information contained in this product and all liability (including liability in negligence) for all expenses, losses, damages and costs you may incur as a result of the information being inaccurate or incomplete in any way for any reason.

Information about your Species lists request is logged for quality assurance, user support and product enhancement purposes only.

The information provided should be appropriately acknowledged as being derived from WildNet database when it is used. As the WildNet Program is still in a process of collating and vetting data, it is possible the information given is not complete. Go to the WildNet database webpage (<https://www.qld.gov.au/environment/plants-animals/species-information/wildnet>) to find out more about WildNet and where to access other WildNet information products approved for publication. Feedback about WildNet species lists should be emailed to wildlife.online@des.qld.gov.au.

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Limnodynastidae	<i>Adelotus brevis</i>	tusked frog		V		2
animals	birds	Apodidae	<i>Hirundapus caudacutus</i>	white-throated needletail		V	V	2
animals	birds	Strigidae	<i>Ninox strenua</i>	powerful owl		V		2
animals	mammals	Delphinidae	<i>Orcaella heinsohni</i>	Australian snubfin dolphin		V		3
animals	mammals	Phascolarctidae	<i>Phascolarctos cinereus</i>	koala		E	E	53
animals	mammals	Pseudocheiridae	<i>Petauroides armillatus</i>	central greater glider		E	E	2
animals	reptiles	Pygopodidae	<i>Delma torquata</i>	collared delma		V	V	3
plants	land plants	Apiaceae	<i>Lilaeopsis brisbanica</i>			E		3/3
plants	land plants	Apocynaceae	<i>Leichhardtia coronata</i>			V		9/9
plants	land plants	Myrtaceae	<i>Eucalyptus curtisii</i>	Plunkett mallee		NT		2/2
plants	land plants	Oleaceae	<i>Notelaea ipsviciensis</i>	Cooneana olive		CR	CE	9/9
plants	land plants	Oleaceae	<i>Notelaea lloydii</i>	Lloyd's native olive		V	V	12/12

CODES

I - Y indicates that the taxon is introduced to Queensland and has naturalised.

Q - Indicates the Queensland conservation status of each taxon under the *Nature Conservation Act 1992*.

The codes are Extinct (EX), Extinct in the Wild (PE), Critically Endangered (CR), Endangered (E), Vulnerable (V), Near Threatened (NT), Special Least Concern (SL) and Least Concern (C).

A - Indicates the Australian conservation status of each taxon under the *Environment Protection and Biodiversity Conservation Act 1999*.

The values of EPBC are Extinct (EX), Extinct in the Wild (XW), Critically Endangered (CE), Endangered (E), Vulnerable (V) and Conservation Dependent (CD).

Records - The first number indicates the total number of records of the taxon (wildlife records and species listings for selected areas).

This number is output as 99999 if it equals or exceeds this value. A second number located after a / indicates the number of specimen records for the taxon.

This number is output as 999 if it equals or exceeds this value.

9.3 OBSERVED FAUNA

TABLE 1: FAUNA SURVEY RESULTS.

Scientific Name	Common Name	Survey Methodology	EPBC Status
Amphibians			
<i>Rhinella marina</i>	Cane Toad	NS, IN	-
<i>Litoria caerulea</i>	Green Tree Frog	NS	-
<i>Litoria fallax</i>	Eastern Sedgefrog	NS, UAR	-
<i>Litoria peronii</i>	Peron's Tree Frog	NS	-
<i>Litoria rubella</i>	Naked Tree Frog	UAR	-
<i>Limnodynastes peronii</i>	Striped Marsh Frog	NS, IN, UAR	-
Birds			
<i>Alectura lathami</i>	Australian Brush-turkey	BS	-
<i>Anas superciliosa</i>	Pacific Black Duck	BS, IN, UAR	-
<i>Cacatua galerita</i>	Sulphur-crested Cockatoo	BS, UAR	-
<i>Cacatua sanguinea</i>	Little Corella	IN, UAR	-
<i>Centropus phasianinus</i>	Pheasant Coucal	IN, BS, UAR	-
<i>Chenonetta jubata</i>	Australian Wood Duck	BS, UAR	-
<i>Cisticola exilis</i>	Golden-headed Cisticola	IN, BS	-
<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike	IN, BS, UAR	Marine
<i>Corvus orru</i>	Torresian Crow	IN, BS, UAR	-
<i>Coturnix ypsilophora</i>	Brown Quail	IN, BS, NS, UAR	-
<i>Cracticus nigrogularis</i>	Pied Butcherbird	UAR	-
<i>Cracticus torquatus</i>	Grey Butcherbird	BS, UAR	-
<i>Dacelo novaeguineae</i>	Laughing Kookaburra	IN, BS, NS, UAR	-
<i>Eolophus roseicapillus</i>	Galah	BS, UAR	-
<i>Eopsaltria australis</i>	Eastern Yellow Robin	IN, BS, UAR	-
<i>Eudynamys scolopacea</i>	Pacific Koel	IN, BS, UAR	-
<i>Eurystomus orientalis</i>	Dollarbird	IN, BS, UAR	Marine
<i>Gallus gallus</i>	Rooster (off site)	UAR	-
<i>Geopelia humeralis</i>	Bar-shouldered Dove	IN, BS, UAR	-
<i>Geopelia striata</i>	Peaceful Dove	IN, UAR	-
<i>Glossopsitta pusilla</i>	Little Lorikeet	IN, BS	-
<i>Grallina cyanoleuca</i>	Magpie-lark	BS	Marine

Preliminary Documentation Response - Appendices

Citiswich - Stage 7

Scientific Name	Common Name	Survey Methodology	EPBC Status
<i>Gymnorhina tibicen</i>	Australian Magpie	IN, BS, UAR	-
<i>Hirundo nigricans</i>	Tree Martin	IN, BS	-
<i>Lichmera indistincta</i>	Brown Honeyeater	IN, BS, UAR	-
<i>Lonchura castaneothorax</i>	Chestnut-breasted Mannikin	IN	-
<i>Malurus cyaneus</i>	Superb fairywren	IN, BS, UAR	-
<i>Malurus melanocephalus</i>	Red-backed Fairywren	IN, BS, UAR	-
<i>Manorina melanocephala</i>	Noisy Miner	IN, BS, NS, UAR	-
<i>Megalurus timoriensis</i>	Tawny Grassbird	IN, BS, NS, UAR	-
<i>Meliphaga lewinii</i>	Lewin's Honeyeater	UAR	-
<i>Melithreptus albogularis</i>	White-throated Honeyeater	BS, UAR	-
<i>Merops ornatus</i>	Rainbow Bee-eater	IN, BS, UAR	Marine
<i>Milvus migrans</i>	Black Kite	IN, BS, UAR	-
<i>Neochmia temporalis</i>	Red-browed Finch	IN, BS	-
<i>Ninox novaeseelandiae</i>	Southern Boobook	NS, UAR	-
<i>Ocyphaps lophotes</i>	Crested Pigeon	UAR	-
<i>Oriolus sagittatus</i>	Olive-backed Oriole	UAR	-
<i>Pardalotus striatus</i>	Striated Pardalote	BS	-
<i>Phalacrocorax sulcirostris</i>	Little Black Cormorant	BS	-
<i>Philemon argenticeps</i>	Noisy Friarbird	BS, UAR	-
<i>Philemon citreogularis</i>	Little Friarbird	BS	-
<i>Platycercus adscitus</i>	Pale-headed Rosella	IN, UAR	-
<i>Podargus strigoides</i>	Tawny Frogmouth	NS	-
<i>Porphyrio porphyrio</i>	Purple Swamphen	UAR	Marine
<i>Psophodes olivaceus</i>	Eastern Whipbird	BS, UAR	-
<i>Rhipidura leucophrys</i>	Willy Wagtail	IN, BS	-
<i>Scythrops novaehollandiae</i>	Channel-billed Cuckoo	IN, UAR	Marine
<i>Sericornis frontalis</i>	White-browed Scrubwren	BS	-
<i>Sphecotheres vieilloti</i>	Figbird	BS, UAR	-
<i>Strepera graculina</i>	Pied Currawong	IN, UAR	-
<i>Taeniopygia bichenovii</i>	Double-barred finch	IN, BS	-
<i>Todiramphus sanctus</i>	Sacred Kingfisher	IN, BS, UAR	Marine
<i>Trichoglossus moluccanus</i>	Rainbow Lorikeet	IN, BS, UAR	-
<i>Vanellus miles</i>	Masked Lapwing	IN, UAR	-
<i>Zosterops lateralis</i>	Silvereye	IN, BS, UAR	Marine
Mammals			

Preliminary Documentation Response - Appendices

Citiswich – Stage 7

Scientific Name	Common Name	Survey Methodology	EPBC Status
<i>Canis familiaris</i>	Dog (off site)	UAR	-
<i>Equus sp.</i>	Horses (off site)	NS	-
<i>Hydromys chrysogaster</i>	Water Rat	IN	-
<i>Isodon sp.</i>	Bandicoot	NS	-
<i>Macropus giganteus</i>	Eastern Grey Kangaroo	NS	-
<i>Petaurus norfolcensis</i>	Squirrel Glider	NS	-
<i>Pseudocheirus peregrinus</i>	Ringtail Possum	NS	-
<i>Pteropus alecto</i>	Black Flying-fox	IN, NS	-
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	NS	V
<i>Pteropus scapulatus</i>	Little Red Flying-fox	IN, NS	-
<i>Trichosurus vulpecula</i>	Brushtail Possum	NS, UAR	-
Unidentified	Wallaby	IN	-
Unidentified	Flying-fox	UAR	-
Unidentified	Microbat	IN, NS	-
<i>Vulpes vulpes</i>	Fox	NS	-
Reptiles			
<i>Hemidactylus frenatus</i>	Asian House Gecko	NS	-
<i>Intellagama lesueurii</i>	Eastern Water Dragon	IN	-
<i>Tropidonophis mairii</i>	Keelback Snake	NS	-
Insecta			
<i>Danaus plexippus</i>	Monarch Butterfly	IN	-
<i>Ephippitytha tringintiduoguttata</i>	Spotted Katydid	IN	-

Table codes:

- Survey methodology: KS = Koala survey, BS = bird survey, NS = nocturnal spotlight searches, IN = incidental, UAR = unattended acoustic recordings.
- EPBC Status: Indicates the Commonwealth conservation status of each taxon under the EPBC Act, coded as Extinct in the wild (XW), Critically Endangered (CE), Endangered (E), Vulnerable (V) or Conservation Dependent (CD), along with Marine or Migratory listings.

9.4 SPECIES OBSERVATION METADATA

Species Observation Data

FIELD	Referral_ID	X	Y	SOURCE_DATUM	PRECISION	YEAR START	MONTH START	DAY START	YEAR END	MONTH END	DAY END
DESCRIPTION	EPBC referral number assigned to a case (if known)	Longitude (Decimal degrees)	Latitude (Decimal degrees)	Map datum used for the latitude and longitude	Spatial precision in metres - it is an indication of how accurate the record is - e.g. GPS is normally 50m, a map reference is 1000m and a gazetteer record is 5000m)	Year of record or survey start in numeric form (yyyy)	Month of record or survey start in numeric form (mm) eg 3 = March, 12 = December etc	Day of record or survey start in numeric form (dd) i.e 1-31	Year of survey end in numeric form (yyyy). Same as start year if single event.	Month of survey end in numeric form (mm) eg 3 = March, 12 = December etc. Same as start month if single event.	Day of survey end numeric form (dd) i.e. 1-31. Same as start day if single event.
DATA FORMAT	Text (15)	Double (11,8) i.e. 8 decimal places	Double(11,8)	Text	Integer	Integer (4)	Integer (2)	Integer (2)	Integer (4)	Integer (2)	Integer (2)
EXAMPLE DATA	2021/9112	152.82520000	-27.58147000	GDA94	50m	2020	12	18	2020	12	18

Species Observation Data

FIELD	LOCALITY	ORDER	FAMILY	SPRAT_ID	SCIENTIFIC_NAME	COMMON NAME	SOURCE INSTITUTION	SITE / VISIT IDENTIFIER	INSTITUTION_ID	HABITAT
DESCRIPTION	Location where taxon was recorded	Taxon order name (where available)	Taxon family name (where available)	SPRAT TAXON_ID that matches the name (if known)	Scientific name (Genus species subspecies/variety where available)	Common name for the species	Enter the name of the institution or company i(n full where possible) which collected the data e.g. Australian Museum, BHP etc	Unique visit/survey number	Your specimen/record number - enter the registration number or specimen id from the host institution. Where unknown enter the initials of the institution (e.g. AM)	Habitat/vegetation/ecosystem type
DATA FORMAT	Text (500)	Text	Text	Integer (10)	Text	Text	Text	Text	Text	Text
EXAMPLE DATA	Null	Null	Null	Null	Pteropus poliocephalus	Grey-headed Flying-fox	Litoria Consulting	201218 Spotlighting	Null	Null

Species Observation Data

FIELD	LANDFORM	SLOPE	ASPECT	ABUNDANCE	PRESENCE	CORE SITE	BASIS OF RECORD	RECORD TYPE	VOUCHER SPECIMEN	COMMENTS
DESCRIPTION	Position in landscape (i.e. Ridge, Simple Slope, Upper Slope, Mid Slope, Lower Slope, Open Depression, Closed Depression, Flat, Crest, Hillock, Aquatic (running water, still water), Marine, Island, Beach, Inter-tidal, Benthic)	Degrees from horizontal (e.g. 0 to 90 or Level (<1°) Very Gently Inclined (1°-3°) Gently Inclined (4°-9°) Moderately Inclined (10°-22°) Steep (23°-36°) Very Steep (37°-59°) Precipitous (60°-79°) Cliff (80°-90°))	Degrees from north or cardinal points (e.g. 0-359 or N, NE, E, SE, S, SW, W, NW)	Number of taxa counted or trapped; for presence only leave blank	Recording of an Absence for a species should only be for where a specific search has been conducted for that species	Whether the site is particularly important, i.e. Breeding sites for birds, turtles; Roosting sites for shorebirds and bats	The way the species was detected: e.g. sighting, heard call, evidence - scats, acoutistic recording, thermal imaging, imagery - drone etc	The type of record: Survey, Incidental, Specimen	Cross reference to Institution and number of voucher specimen, use standard institution code and registration number	Any special comments, including on weather, type/frequency of survey, plot size, etc.
DATA FORMAT	Text	Text	Text	Integer	Boolean	Text	Text	Text	Text	Text
EXAMPLE DATA	Null	Null	Null	Null	Null	Null	Sighting	Survey	Null	Null

		Species Observation Metadata				
1. DATASET TITLE						
1.1 Title		Grey-headed Flying-fox Record				
2. PROJECT INFORMATION						
2.1 Referral ID		EPBC 2021/9112				
2.2 Project Title		Citiswich Stage 7 - Commercial Development, Warrego Highway, Bundamba, Queensland				
2.3 Please provide a brief summary of the project which led to the establishment of the dataset. (Succinctly give a background to the project and describe the project's aims and objectives)	<input type="checkbox"/> Yes/No No = False					
2.4 Is the project described above part of a larger research activity?						
3. DATASET DESCRIPTION						
3.1 Please provide a summary of the dataset. (Briefly describe the method of data collection and types of data or variables/attributes observed/measured/recorded.)		Grey-headed Flying-fox observed in flight overhead (6m from the ground) during nocturnal spotlighting.				
3.2 What is the version number of the dataset? (use 1.0 for first submission, then 2.0 when adding a subsequent year to a time-series dataset, etc)	<input type="checkbox"/> Yes/No					
3.3 Is information about the dataset already available in another publicly accessible repository?						
3.4 How many study locations does the dataset comprise?						
3.4.1 Does the dataset contain repeat visits to the study locations?	<input type="checkbox"/> Yes/No					
3.5 Please provide some keywords that you believe will enhance the datasets discoverability						
4. DATASET CONTENT						
4.1 What areas of ecological research best describe your dataset?	Urban Ecology	Urban Ecology				
4.2 What type of 'threats and pressures' (or anthropogenic disturbance) themes does the dataset contain?		Threat 1	Threat 2	Threat 3	Threat 4	Additional Threats
	(click cells for dependant drop-down)	IUCN Main				
		IUCN Sub				
		IUCN Sub 2 (if required)				
4.3 What are the potential threat impacts that the dataset contains? (choose one each from Timing, Scope and Severity)						
Timing						
Scope						
Severity						
4.4 What types of conservation actions / themes does the dataset contain?		Action 1	Action 2	Action 3	Action 4	Additional Actions
		IUCN Main				
		IUCN Sub				
		IUCN Sub 2 (if required)				

		Species Observation Metadata				
5. SPATIAL COVERAGE						
5.1 What is the scale of study of this dataset?	Local	Local				
5.2 Please describe the geographical extent that your dataset covers. (description of the spatial coverage, in terms of the whole or part of the Park, but also including landscapes or geographic regions covered)		Part of the study site				
5.3 What IBRA (Interim Biogeographical Regionalisation of Australia) Region(s) is the dataset located in?						
6. DATES						
6.1 What were the start and end dates of data collection for this dataset (First and Last Visits)	Start Date (dd/mm/yyyy)	Start Date (18/12/2020)				
	End Date (dd/mm/yyyy)	End Date (18/12/2020)				
7. DATASET SPECIES						
7.1 Does your dataset contain observations/measurements of plants?	<input type="checkbox"/> Yes/No					
7.2 Please specify broader plant group(s) which could include the plant species covered by your dataset.						
7.3 Does your dataset contain animal observations/measurements?	<input type="checkbox"/> Yes/No					
7.4 Please specify broader animal group(s) which could include the animal species covered by your dataset.		Group 1	Group 2	Group 3	Group 4	Additional Groups
	Broad Animal Group					
	Group					
	Sub-Group (if required)					
8. ENVIRONMENTAL FEATURES						
8.1 Select one or more environmental/landscape features whether recorded in the dataset or associated with the dataset.		Feature 1	Feature 2	Feature 3	Feature 4	Additional Features
(may need to scroll up to see attributes in sub-feature)	Environmental/Landscape Features					
	Sub-Feature					
	Type					
	Sub-Type					
9. ASSOCIATED/SUPPLEMENTARY MATERIALS						
9.1 Identify the type of the associated/supplementary material? (E.g. field manuals, scientific papers, etc)						
9.2 What is the name or title of the associated material (Provide correct reference/citation for material)						
9.3 If a persistent identifier uniquely describes the associated/supplementary material, please choose the type of identifier						
9.4 What is the persistent identifier of the associated material?						

		Species Observation Metadata
10. DATA COLLECTION METHODS		
10.1 Please select a sampling design that best describes how your data collection approach was established.	<input type="text"/>	
10.2 What sampling techniques best describe the ones you used to collect the data?		
Fauna Sampling	<input type="text"/>	
10.2		
Flora Sampling	<input type="text"/>	
10.3 What types of measurements or observations does the dataset include?	<input type="text"/>	
10.4 What attributes were measured or observed and included in the dataset?	<input type="text"/>	
10.5 Please provide a description of the methods used to collect the data.		Fauna survey
What is the name of the method used to collect data?		Nocturnal spotlighting
Please describe the method used to collect the data. (The specific and detailed methods for sampling and data collection at each point/plot – as if you were writing up methods for a journal article. Include equipment used. If multiple procedures were followed, outline each procedure separately. For example you may have separate procedures for site/station set up; species counts/observations; vegetation assessment; etc)		Nocturnal spotlighting was undertaken over 12 evenings between December 2020 and March 2021 to identify any fauna utilising the survey area at night. Spotlighting survey areas were each surveyed twice. The survey began approximately two (2) to three (3) hours after sunset and lasted approximately 1 – 1.5 hours each night. Spotlighting was undertaken using a 12-volt 50-Watt spotlight with red coloured filter to minimise impacts on nocturnal species.
If the method has changed over the period of the project, please describe how and when the method has changed.		
10.6 What other information was collected as a part of the dataset for further identification, analysis and/or record keeping?		
11. DATASET CONTACT		
11.1 Contact details		
Title:	<input type="text" value="Ms"/>	Ms
Name:		Kaleena Fry
Position / Role:		Practice Director / Senior Ecologist
Telephone:		07 3852 4855
Email:		kaleena.fry@litoria.com.au
Postal Address:		PO Box 461
11.7 For which organisation does the dataset contact work?		Litoria Consulting

		Species Observation Metadata
12. DATASET AUTHORS		
12.1 Author's Initials		
12.2 Author's Surname or Organisation		Litoria Consulting
12.3 Author's Affiliation		Litoria Consulting
13. DATASET CONDITIONS OF USE		
13.1 What type of open access license is applicable to the dataset?		N/A
13.2 Where other non-author contributors to the dataset should be acknowledged, please provide a corresponding statement. (Add details of anyone involved in the research that you would like to credit.)		
13.3 Where the dataset is under embargo, please provide the final date of the embargo.		
13.4 Dataset Custodians(s) Select the organisation(s) considered to have legal custodianship of the dataset (i.e. intellectual property rights of the dataset)?		Litoria Consulting
Custodian organisation type?		
14. DATASET MANAGEMENT		
14.1 What is the activity status of the dataset?		
14.2 What curation activities have been applied to the dataset?		
14.2.1 Where the dataset has been curated in a way which is not part of the above list, please specify such curation activities.		
14.3 When was the dataset last updated or curated?	Enter Date (dd/mm/yyyy)	
15. DATA FILE SUBMISSION		
Submission Data File:		
File Type: File Description (Please describe the types of data associated with this data file(s) (including tables, tabs, columns, measurements), an overview of the data file types and their format. If you have submitted an MS Excel file and have inserted a "Readme" tab as part of the file, make a note of this in the File Description.)		MS Excel File
File Format:		
Format Version:		

9.5 LIKELIHOOD ASSESSMENT RESULTS

The following table comprises an assessment of the likelihood of threatened ecological communities and threatened and migratory species utilising or occupying the site (confirmed, likely, possible or unlikely) based on known habitat associations and preferences of species. See base of table for a key to the column headings.

Class	Family	Scientific name	Common name	EPBC - Listed Threatened	EPBC - Migratory	Confirmed	Likely	Possible	Unlikely	Justification
Threatened Ecological Communities										
-	-	-	Coastal Swamp Oak (<i>Casuarina glauca</i>) Forest of New South Wales and South East Queensland ecological community	E	-				◆	Habitat not present.
-	-	-	Lowland Rainforest of Subtropical Australia	CE	-				◆	Habitat not present.
-	-	-	Poplar Box Grassy Woodland on Alluvial Plains	E	-				◆	Habitat not present.
-	-	-	White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	CE	-				◆	Habitat not present.
Threatened Flora										
Asparagales	Orchidaceae	<i>Phaius australis</i>	Lesser Swamp-orchid	E	-				◆	Habitat not present.
Lamiales	Oleaceae	<i>Notelaea ipsviciensis</i>	Cooneana Olive	CE	-		◆			Habitat is potentially present, there are nearby records, and the site is located within the species likely distribution.

Class	Family	Scientific name	Common name	EPBC - Listed Threatened	EPBC - Migratory	Confirmed	Likely	Possible	Unlikely	Justification
Lamiales	Oleaceae	<i>Notelaea lloydii</i>	Lloyd's Olive	V	-		◆			Habitat is potentially present, there are nearby records and the site is located within the species likely distribution.
Magnoliopsida	Proteaceae	<i>Macadamia integrifolia</i>	Macadamia Nut	V	-				◆	Habitat not present.
Magnoliopsida	Proteaceae	<i>Macadamia ternifolia</i>	Small-fruited Queensland Nut	V	-				◆	Habitat not present and the site is not within the species likely distribution.
Magnoliopsida	Proteaceae	<i>Macadamia tetraphylla</i>	Rough-shelled Bush Nut	V	-				◆	Habitat not present.
Malpighiales	Euphorbiaceae	<i>Fontainea venosa</i>	-	V	-				◆	Habitat not present.
Malvales	Tiliaceae	<i>Corchorus cunninghamii</i>	Native Jute	E	-				◆	Habitat not present.
Myrtales	Myrtaceae	<i>Rhodamnia rubescens</i>	Scrub Turpentine	CE	-				◆	Habitat not present.
Myrtales	Myrtaceae	<i>Rhodomyrtus psidioides</i>	Native Guava	CE	-				◆	Habitat not present.
Poales	Poaceae	<i>Arthraxon hispidus</i>	Hairy-jointed Grass	V	-				◆	Habitat not present.
Poales	Poaceae	<i>Dichanthium setosum</i>	Bluegrass	V	-				◆	Habitat not present.
Sapindales	Rutaceae	<i>Bosistoa transversa</i>	Three-leaved Bosistoa	V	-				◆	Habitat not present.
Santalales	Santalaceae	<i>Thesium australe</i>	Austral Toadflax	V	-				◆	Habitat not present.
Sapindales	Sapindaceae	<i>Cupaniopsis shirleyana</i>	Wedge-leaf Tuckeroo	V	-				◆	Habitat not likely to be present and no nearby species records.
Sapindales	Simaroubaceae	<i>Samadera bidwillii</i>	Quassia	V	-				◆	Habitat not likely to be present and no nearby species records.
Threatened and Migratory Fauna										
Aves	Accipitridae	<i>Erythrotriorchis radiatus</i>	Red Goshawk	V	-				◆	Habitat not likely to be present due

Class	Family	Scientific name	Common name	EPBC - Listed Threatened	EPBC - Migratory	Confirmed	Likely	Possible	Unlikely	Justification
										to disturbance and fragmentation of the site.
Aves	Accipitridae	<i>Pandion haliaetus</i>	Osprey	-	Yes				◆	Habitat not present.
Aves	Apodidae	<i>Apus pacificus</i>	Fork-tailed Swift	-	-				◆	Habitat not present.
Aves	Apodidae	<i>Hirundapus caudacutus</i>	White-throated Needletail	V	Yes			◆		Habitat is potentially present, and the site is located within the species likely distribution.
Aves	Ardeidae	<i>Botaurus poiciloptilus</i>	Australasian Bittern	E	-				◆	Habitat not present.
Aves	Columbidae	<i>Geophaps scripta scripta</i>	Squatter Pigeon	V	-				◆	Habitat not present.
Aves	Cuculidae	<i>Cuculus optatus</i>	Oriental Cuckoo	-	Yes				◆	Habitat not likely to be present due to disturbance and fragmentation of the site.
Aves	Falconidae	<i>Falco hypoleucos</i>	Grey Falcon	V	-				◆	Site not likely within the species distribution.
Aves	Meliphagidae	<i>Anthochaera phrygia</i>	Regent Honeyeater	CE	-				◆	Habitat not likely to be present due to disturbance and fragmentation of the site.
Aves	Meliphagidae	<i>Grantiella picta</i>	Painted Honeyeater	V	-				◆	Site not likely within the species distribution.
Aves	Monarchidae	<i>Monarcha melanopsis</i>	Black-faced Monarch	-	Yes				◆	Habitat not present.
Aves	Monarchidae	<i>Monarcha trivirgatus</i>	Spectacled Monarch	-	Yes				◆	Habitat not present.
Aves	Monarchidae	<i>Myiagra cyanoleuca</i>	Satin Flycatcher	-	Yes				◆	Habitat not present.
Aves	Motacillidae	<i>Motacilla flava</i>	Yellow Wagtail	-	Yes				◆	Site not likely within the species distribution.

Class	Family	Scientific name	Common name	EPBC - Listed Threatened	EPBC - Migratory	Confirmed	Likely	Possible	Unlikely	Justification
Aves	Procellariidae	<i>Pachyptila turtur subantarctica</i>	Fairy Prion	V	-				◆	Site not likely within the species distribution.
Aves	Psittacidae	<i>Lathamus discolor</i>	Swift Parrot	CE	-				◆	Habitat not likely to be present due to disturbance and fragmentation of the site.
Aves	Rhipiduridae	<i>Rhipidura rufifrons</i>	Rufous Fantail	-	Yes			◆		Nearby records of the species.
Aves	Rostratulidae	<i>Rostratula australis</i>	Australian Painted-snipe	E	-				◆	Habitat not present.
Aves	Scolopacidae	<i>Actitis hypoleucos</i>	Common Sandpiper	-	Yes				◆	Habitat not present.
Aves	Scolopacidae	<i>Calidris acuminata</i>	Sharp-tailed Sandpiper	-	Yes				◆	Habitat not present.
Aves	Scolopacidae	<i>Calidris ferruginea</i>	Curlew Sandpiper	CE	Yes				◆	Habitat not present.
Aves	Scolopacidae	<i>Calidris melanotos</i>	Pectoral Sandpiper	-	Yes				◆	Site not likely within the species distribution.
Aves	Scolopacidae	<i>Gallinago hardwickii</i>	Latham's Snipe	-	Yes				◆	Habitat not present.
Aves	Scolopacidae	<i>Numenius madagascariensis</i>	Eastern curlew	CE	Yes				◆	Habitat not present.
Aves	Scolopacidae	<i>Numenius madagascariensis</i>	Eastern curlew	CE	-				◆	Habitat not present.
Aves	Scolopacidae	<i>Tringa nebularia</i>	Common Greenshank	-	Yes				◆	Site not likely within the species distribution.
Aves	Turnicidae	<i>Turnix melanogaster</i>	Black-breasted Button-quail	V	-				◆	Habitat not present.
Mammalia	Dasyuridae	<i>Dasyurus hallucatus</i>	Northern Quoll	E	-				◆	Site not likely within the species distribution.
Mammalia	Petauridae	<i>Petauroides volans</i>	Greater Glider	V	-			◆		Habitat is potentially present, and the site is located within the species likely distribution.

Class	Family	Scientific name	Common name	EPBC - Listed Threatened	EPBC - Migratory	Confirmed	Likely	Possible	Unlikely	Justification
Mammalia	Phascolarctidae	<i>Phascolarctos cinereus</i>	Koala	V	-			◆		Nearby records of the species.
Mammalia	Potoroidae	<i>Potorous tridactylus tridactylus</i>	Long-nosed Potoroo	V	-				◆	Habitat not present.
Mammalia	Pteropodidae	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	V	-	◆				Species recorded on site.
Mammalia	Vespertilionidae	<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	V	-				◆	Habitat not present.
Reptilia	Elapidae	<i>Furina dunmalli</i>	Dunmall's Snake	V	-			◆		Site not likely within the species distribution.
Reptilia	Pygopodidae	<i>Delma torquata</i>	Adorned Delma	V	-				◆	Habitat is potentially present, and the site is located within the species likely distribution.
Amphibia	Myobatrachidae	<i>Mixophyes fleayi</i>	Fleay's Frog	E	-				◆	Habitat not present.
Insecta	Nymphalidae	<i>Argynnis hyperbius inconstans</i>	Australian Fritillary	CE	-				◆	Habitat not present.
Sarcopterygii	Neoceratodontidae	<i>Neoceratodus forsteri</i>	Queensland Lungfish	V	-				◆	Habitat not present.

TABLE CODES:

- EPBC - Listed Threatened: Refers to the Commonwealth conservation status of each taxon under the EPBC Act, coded as Extinct in the wild (XW), Critically Endangered (CE), Endangered (E), Vulnerable (V) or Conservation Dependent (CD).
- EPBC - Migratory: Refers to EPBC Act listing as a migratory species under various migratory species conventions.
- Likelihood: - Refers to the likelihood (◆) of the species utilising or occupying the site as determined by the likelihood assessment.