

## APPENDIX A7

### Terrestrial Ecology Likelihood Supporting Information



## Species Likelihood Table

Table 1 has been updated in order to reflect changes in species status under the *Nature Conservation Act 1992*. Text with strikethrough font represents species which did not occur in the updated searches.

Footnotes are provided at the bottom of the table to provide further information on abbreviations and references. Numbers located in the 'Sources' column correlate to relevant data sources detailed in Footnote 5. Footnote 6 and 7 correlate to updated searches undertaken in 2016.

Table 1 Table of threatened, migratory and marine species detected during desktop reviews and site surveys

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<b>Birds</b>											
<i>Accipiter fasciatus</i>					Y	This a raptor species occurring in riparian areas and water holes among a range of woodland and open forests. It is a partially migratory species that will exploit farming areas in addition to dry scrublands, forests and woodlands. This species is also known to occupy areas of open paperbark, monsoon and riverine forest and wetland with sparse trees, parks and gardens.	Present	Unlikely	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	3
<i>Accipiter novaehollandiae</i>	grey goshawk		NT			The grey goshawk is found in most forest types, especially tall closed forests, including rainforests.	Possible	Unlikely	Low	Species identified on Magnetic Island by MICDA and MINCA	4
<i>Actitis hypoleucos</i>	common sandpiper		SL	Y	Y	Inhabits coastal and interior wetlands where it forages along the narrow muddy edges of billabongs, river pools, mangroves and reefs or rock beaches.	Present	Present flyover	Low	Species identified using habitat near the mouth of the Ross River by Driscoll and historical records	1, 2, 3
<i>Aerodramus terraereginae</i>	Australian swiftlet		NT C			Skies over coastal ranges, gorges, islands and woodlands.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	2
<i>Anseranas semipalmata</i>	magpie goose		C		Y	Shallow wetlands (usually <1 m deep) with dense growth of rushes and sedges. Wetlands associated with floodplains of rivers and large shallow wetlands formed by runoff.	Possible	Unlikely	Low	Suitable habitat in the broader area	1, 2
<i>Apus pacificus</i>	fork-tailed swift		SL	Y	Y	Low to very high airspace over varied habitat, rainforest to semi-desert.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1

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<i>Pandion cristatus</i>	eastern osprey		SL			Littoral and coastal habitats and terrestrial wetlands and offshore islands.	Present	Present Flyover	Low	Suitable habitat in the broader area	7
<i>Ardea modesta</i>	eastern great egret		SL	Y	Y	Wetlands, flooded pastures, dams, estuarine mudflats, mangroves and reefs.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 3
<i>Ardea ibis</i>	cattle egret		SL	Y	Y	The cattle egret is found in grasslands, woodlands and wetlands, and is not common in arid areas. It also uses pastures and croplands, especially where drainage is poor. Will also forage at garbage dumps, and is often seen with cattle and other stock.	Present	Present, flyover	Low	Suitable habitat in the broader area	1, 2, 3
<i>Ardea intermedia</i>	intermediate egret				Y	It is distributed throughout eastern Australia and significant coastal areas of the Northern Territory, being absent from more arid ones. The intermediate egret has similar habitat preferences to the little and great egret, found in shallows of wetlands and shallow margins of inland rivers and lakes.	Present	Possible, flyover	Low	Historical records of this species in the area	3
<i>Arenaria interpres</i>	ruddy turnstone		SL	Y	Y	Inhabits beaches and coasts with exposed rocks, stony or shell beaches, mudflats and exposed reefs.	Possible	Possible, flyover	Low	Suitable habitat in the broader area, historic records	1, 3
<i>Sula dactylatra</i>	masked booby		SL			The masked booby lives on the open ocean. It only comes on land to breed and raise its young.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	7
<i>Sula sula</i>	red-footed booby		SL			Breeds on islands in most tropical oceans. When not breeding it spends most of the time at sea, and is therefore rarely seen away from breeding colonies. It nests in large colonies, laying one chalky blue egg in a stick nest.	Present	Possible, flyover	Low	Suitable habitat in the broader area	7
<i>Sula leucogaster</i>	brown booby		SL			Nests on islands, covering a wide range of vegetation types, geologic features, and weather patterns. Found at sea in nonbreeding season.	Present	Possible, flyover	Low	Suitable habitat in the broader area	7

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<i>Plegadis falcinellus</i>	<i>glossy ibis</i>		SL			A wide variety of inland wetland habitats such as shallow lakes, swamps and marshes, ponds, rivers, floodplains, wet meadows and irrigated agricultural fields, as well as occasionally using coastal lagoons, mudflats and estuaries.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	7
<i>Calidris acuminata</i>	<i>sharp-tailed sandpiper</i>		SL	Y	Y	The species prefers the grassy edges of shallow inland freshwater wetlands. It is also found around swage farms, flooded fields, mudflats, mangroves, rocky shores and beaches. Its breeding habitat in Siberia is the peat-hummock and lichen tundra of the high Arctic.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Calidris alba</i>	sanderling		SL	Y	Y	Open sandy beaches.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 2, 3
<i>Calidris canutus</i>	red knot		SL	Y	Y	Tidal sands and mudflats.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Calidris ferruginea</i>	curlew sandpiper			Y	Y	Inter-tidal mudflats of estuaries, lagoons, mangrove channels, lakes, dams, floodwaters and flooded saltbush around inland lakes.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Calidris ruficollis</i>	red-necked stint		SL	Y	Y	Tidal and inland mudflats, salt marshes, beaches, salt fields and temporary floodwaters.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Calidris tenuirostris</i>	great knot		SL	Y	Y	Sheltered coastal habitats with large, inter-tidal mudflats or sandflats, including inlets, bays, harbours, estuaries, lagoons, sandy spits, islets and sometimes on exposed reefs or rock platforms.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3

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<i>Charadrius leschenaultii</i>	greater sand plover		SL	Y	Y	Coastal species, foraging on inter-tidal sand and mudflats in estuaries, and roosting during high tide on sandy beaches or rocky shores. Individuals have also been recorded on inshore reefs, rock platforms, small rocky islands and sand cays on coral reefs. Occasional sightings have also occurred on near-coast saltlakes, brackish swamps, shallow freshwater wetlands and grassed paddocks.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Charadrius mongolus</i>	lesser sand plover		SL	Y	Y	Occurs mainly on sheltered sandy, shelly or muddy beaches or estuaries with large inter-tidal mudflats or sandbanks. Roosts during high tide on sandy beaches and rocky shores, often with other waders.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Charadrius ruficapillus</i>	red-capped plover		C		Y	Estuaries, beaches, inland lakes.	Present	Present, flyover	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 2, 3
<i>Charadrius veredus</i>	oriental plover			Y	Y	Found generally inland; in open grasslands in arid and semi-arid zones; and less often in estuarine or littoral environments. This species prefers flat inland plains, sparsely vegetated short grass with hard bare ground including claypans, playing fields, lawns and cattle camps. The oriental plover may move to lightly-wooded grasslands with the onset of the wet season.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Fregata ariel</i>	lesser frigatebird		SL	Y	Y	<i>It is common in tropical seas, breeding on remote islands, including Christmas Island.</i>	Present	Possible, flyover	Low	Suitable habitat in the broader area	7
<i>Sterna hirundo</i>	common tern		SL	Y	Y	<i>Are marine, pelagic and coastal.</i>	Present	Possible, flyover	Low	Suitable habitat in the broader area	7
<i>Sterna sumatrana</i>	black-naped tern		SL	Y	Y	<i>Associated with small, offshore sand and coral cays, coral reefs and lagoons, and sandy and rocky islands and islets, and in the surrounding seas. The species is only occasionally recorded in inshore waters.</i>	Present	Possible, flyover	Low	Suitable habitat in the broader area	7

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<i>Onychoprion anaethetus</i>	bridled tern		SL	Y	Y	Breed on islands. Nests are usually found in rocky areas or on coral, concealed in crevices or caves up to 1.5 m deep, under rocks, among talus or coral rubble, on ledges of cliffs, or on the ground beneath low shrubs, roots of Pandanus, vines or among grasses.	Present	Possible, flyover	Low	Suitable habitat in the broader area	7
<i>Sternula albigrons</i>	little tern		SL	Y	Y	Inhabit sheltered coastal environments, including lagoons, estuaries, river mouths and deltas, lakes, bays, harbours and inlets, especially those with exposed sandbanks or sand-spits.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll and on Magnetic Island by MICDA and MINCA <i>Suitable habitat nearby at the mouth of Ross River.</i>	1, 2, 3, 7
<i>Chlidonias leucopterus</i>	white-winged tern		SL	Y	Y	Mostly inhabits fresh, brackish or saline, and coastal or subcoastal wetlands. White-winged terns frequent tidal wetlands, such as harbours, bays, estuaries and lagoons, and their associated tidal sandflats and mudflats. Terrestrial wetlands, including swamps, lakes, billabongs, rivers, floodplains, reservoirs, saltworks, sewage ponds and outfalls are also inhabited. Wetlands may be open, or with floating emergent or marginal vegetation. They rarely occur on inland wetlands in Australia.	Present	Possible, flyover	Low	Historical records of this species in the area by Driscoll	3
<i>Coracina novaehollandiae</i>	black-faced cuckoo-shrike		C		Y	This common species is widely dispersed throughout most of the Australian continent in habitats ranging from rainforest, eucalypt forests and woodlands, riparian vegetation, farming areas and gardens. Breeding pairs return to the same breeding site every year.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	3

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<i>Coracina papuensis</i>	white-bellied cuckoo-shrike		C		Y	A common species in the Townsville area, and is found from mid-South Australia to Queensland and the Northern Territory, with an inland extension to the arid zone. Preferred habitat includes sclerophyll and gallery forest, rainforest, woodland and mangroves.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by GHD	3
<i>Cuculus optatus</i>	oriental cuckoo, horsfield's cuckoo			Y	Y	<i>It mainly inhabits forests, occurring in coniferous, deciduous and mixed forest. It feeds mainly on insects and their larvae, foraging for them in trees and bushes as well as on the ground. It is usually secretive and hard to see.</i>	Present	Possible, flyover	Low	Suitable habitat in the broader area	5
<i>Motacilla flava</i>	yellow wagtail			Y	Y	<i>Yellow Wagtails can turn up just about anywhere in Australia but always in quite rich open-country habitats with disturbed ground and some water. Sewage farms, dams and grassy margins to lakes are all potential habitat.</i>	Present	Possible,	Low		5
<i>Egretta sacra</i>	eastern reef egret		C	Y	Y	Freshwater marshes and inland waters also rocky and sandy shoreline and/or beaches, tidal mud flats.	Present	Present, flyover	Low	Historical records of this species in the area by Driscoll	3
<i>Ephippiorhynchus asiaticus</i>	black-necked stork		NT C			Inhabits open freshwater environments along the margins of billabongs, lagoons, swamps, floodplains, dams and their adjacent grasslands, pastures and woodlands. They also forage in or around estuaries and along inter-tidal shorelines, such as saltmarshes, mudflats and sandflats, and mangrove vegetation.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Driscoll, Maunsell and on Magnetic Island by MICDA and MINCA	2, 3
<i>Erythrotriorchis radiatus</i>	red goshawk	V	E			It inhabits tropical grassy woodlands mostly in undulating stony lands. The red goshawk occurs in coastal and subcoastal areas in wooded and forested lands. They are found in habitats that support high bird numbers and biodiversity, especially medium to large species which the goshawk requires for prey. The red goshawk nests in large trees and are year-round residents.	Possible	Unlikely	Low	Suitable habitat in the broader area	1

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<i>Esacus magnirostris</i>	beach stone-curlew		V		Y	The beach stone-curlew occurs on open, undisturbed beaches, islands, reefs and estuarine inter-tidal sand and mudflats. The species prefers beaches with estuaries or mangroves nearby. The species also frequents river mouths, offshore sandbars associated with coral atolls, reefs and rock platforms and coastal lagoons.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Driscoll, Maunsell and on Magnetic Island by MICDA and MINCA	2, 3
<i>Gallinago hardwickii</i>	latham's snipe		SL	Y	Y	Open, freshwater wetlands with low, dense vegetation e.g. swamps, flooded grasslands or heathlands, around bogs and other water bodies.	Possible	Unlikely	Low	Suitable habitat in the broader area	2
<i>Gallinago megala</i>	swinhoe's snipe			Y	Y	During the non-breeding season Swinhoe's snipe occurs at the edges of wetlands, such as wet paddy fields, swamps and freshwater streams. The species is also known to occur in grasslands, drier cultivated areas (including crops of rapeseed and wheat) and market gardens. Habitat specific to Australia includes the dense clumps of grass and rushes round the edges of fresh and brackish wetlands. This includes swamps, billabongs, river pools, small streams and sewage ponds. They are also found in drying claypans and inundated plains pitted with crab holes.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Gallinago stenura</i>	pin-tailed snipe			Y	Y	During non-breeding period the pin-tailed snipe occurs most often in or at the edges of shallow freshwater swamps, ponds and lakes with emergent, sparse to dense cover of grass/sedge or other vegetation. The species is also found in drier, more open wetlands such as claypans in more arid parts of the species range. It is also commonly seen at sewage ponds; not normally in saline or inter-tidal wetlands.	Unlikely	Unlikely	Low		1

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<i>Geophaps scripta scripta</i>	squatter pigeon (southern subspecies)	V	V			Inhabits open grassy woodlands on sandy soils with gravelly ridges. The squatter pigeon (southern) occurs mainly in grassy woodlands and open forests that are dominated by eucalypts, but is also found in disturbed landscapes used for grazing.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Haematopus fuliginosus</i>	sooty oystercatcher		NF C			Inhabits rocky shorelines, rocky islets, boulders below cliffs and reefs.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Driscoll and on Magnetic Island by MICDA and MINCA	2, 3, 4
<i>Haliaeetus leucogaster</i>	white-bellied sea eagle		C	Y	Y	Usually coastal, over islands, reefs and headlands, beaches, bays and estuaries, mangroves, lagoons and floodplains. Breeding territories for the white-bellied sea eagle are located close to water, and mainly in tall open forest or woodland. Absence of vegetation at the site means that nesting and/or breeding birds are unlikely to be present.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell, GHD and Driscoll	1, 2, 3
<i>Haliastur indus</i>	brahminy kite		C		Y	The brahminy kite is a bird of the coast, particularly mangrove swamps and estuaries. It is sometimes seen over forests and along rivers.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by GHD and in historical records	3
<i>Haliastur sphenurus</i>	whistling kite		C		Y	This raptor is widely distributed throughout Australia but avoids dense forests and arid areas where trees are absent, and is one of the most commonly encountered birds outside of built up areas. Habitat consists of cane fields, farmlands, woodlands and forest where there is a water supply in close proximity and they are frequently observed responding to fires and scavenging carrion from roads.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by GHD	3

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<i>Tringa brevipes</i>	grey-tailed tattler		SL	Y	Y	Inter-tidal pools, shallows, soft surfaces of mudflats, sand beaches, rock ledges and reefs.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 3
<i>Tringa incana</i>	wandering tattler			Y	Y	Open reefs and rocky shores.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Himantopus himantopus</i>	black-winged stilt		C		Y	The black-winged stilt is a social species, and is usually found in small groups. Black-winged stilts prefer freshwater and saltwater marshes, mudflats, and the shallow edges of lakes and rivers.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 2, 3
<i>Hirundapus caudacutus</i>	white-throated needletail			Y	Y	Breeds outside Australia. Low to very high, open airspace over oceans, forests and deserts. At times gathers over ranges, headlands, often in humid, unsettled weather preceding thunderstorms. In Australia, the white-throated needletail is almost exclusively aerial and are recorded most often above wooded areas. The species breeds in wooded lowlands and sparsely vegetated hills, as well as mountains covered with coniferous forests.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Hirundo rustica</i>	barn swallow		SL	Y	Y	Welcome swallows visit a wide variety of habitats with the exception of the more heavily forested regions and drier inland areas. Open habitats and towns usually near water.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1, 2
<i>Hydroprogne caspia</i>	caspian tern		SL	Y	Y	Species frequents sheltered sea coasts, estuaries, inlets, bays, harbours, coastal lagoons, saltmarshes and salt pans, also occurring inland on fresh or saline wetlands including large lakes, inland seas, large rivers, creeks, floodlands, reservoirs and sewage ponds.	Present	Present	Low	Species identified by Driscoll	3

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<i>Limicola falcinellus</i>	broad-billed sandpiper		SL	Y	Y	Sheltered coastal estuaries, lagoons with soft inter-tidal mudflats; muddy coastal creeks, swamps, occasionally reefs.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 2, 3
<i>Limosa lapponica</i>	bar-tailed godwit		SL	Y	Y	Coastal mudflats, sandbars, shores of estuaries, salt marsh and sewerage ponds.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Limosa limosa</i>	black-tailed godwit		SL	Y	Y	Sheltered bays, estuaries and lagoons with large inter-tidal mudflats and/or sandflats. In inland areas, found on mudflats and in water less than 10 cm deep, around muddy lakes and swamps. Has also been recorded in wet fields and sewerage treatment works.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Fregetta grallaria grallaria</i>	white-billed Storm Petrel	V	C			In the non-breeding season, it reaches and forages over near-shore waters along the continental shelf of mainland Australia. It breeds, in Australian territory, on offshore islets and rocks in the Lord Howe Island group.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	6
<i>Neochmia ruficauda ruficauda</i>	star Finch (eastern, southern)	E	E			The Star Finch (eastern) occurs mainly in grasslands and grassy woodlands that are located close to bodies of fresh water.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	6
<i>Macronectes giganteus</i>	southern giant petrel	E	E	Y	Y	Breeds in sub-Antarctic. Marine, over open seas and inshore waters; favours edge of continental shelf and edge of pack-ice.	Possible	Unlikely	Low	Suitable habitat in the broader area	2
<i>Merops ornatus</i>	rainbow bee-eater		SL	Y	Y	Open country of woodlands, open forest, semi-arid scrub, grasslands, clearings in heavier forests, farmlands; avoids heavy forest. In breeding season, requires open clearing or paddock with loamy soil soft enough for nest tunnelling, yet firm enough to support the tunnel.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	1, 2, 3

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<i>Ardenna tenuirostris</i>	short-tailed shearwater		SL	Y	Y	It is a migratory species that breeds mainly on small islands in Bass Strait and Tasmania.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	7
<i>Ardenna pacifica</i>	wedge-tailed shearwater		SL	Y	Y	The Wedge-tailed Shearwater is a pelagic, marine bird known from tropical and subtropical waters.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	7
<i>Monarcha melanopsis</i>	black-faced monarch			Y	Y	Rainforest, mangroves, eucalypt forests and woodlands.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by GHD and Driscoll	1, 3
<i>Monarcha trivirgatus</i>	spectacled monarch			Y	Y	Usually rainforests, eucalypt forests and mangroves; often in moist gullies of dense wet eucalypt forests.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Myiagra cyanoleuca</i>	satin flycatcher			Y	Y	Forests and woodlands, mangroves, coastal heath scrubs but avoids rainforests.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Neochmia ruficauda ruficauda</i>	star finch (eastern), star finch (southern)	E	E	Y	Y	The star finch is a largely sedentary inhabitant of grasslands and riparian grassy woodlands near water. It is vulnerable to grazed areas and has all but disappeared from areas where rainfall is unreliable. The star finch (eastern) occurs mainly in grasslands and grassy woodlands that are located close to bodies of freshwater.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Nettapus coromandelianus albipennis</i>	Australian cotton pygmy-geese		NT G		Y	Tropical lowlands: well-vegetated deep freshwater pools, lakes, lagoons; also marshes, swamps, slow flowing rivers, streams.	Possible	Unlikely	Low	Suitable habitat in the broader area	1

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Numenius madagascariensis</i>	eastern curlew	CE	EV	Y	Y	The eastern curlew is most commonly associated with sheltered coasts, especially estuaries, bays, harbours, inlets and coastal lagoons, with large inter-tidal mudflats or sandflats, often with beds of seagrass. Occasionally, the species occurs on ocean beaches (often near estuaries), and coral reefs, rock platforms, or rocky islets. The birds are often recorded among saltmarsh and on mudflats fringed by mangroves, and sometimes use the mangroves.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell, Driscoll and on Magnetic Island by MICDA and MINCA	1, 2, 3
<i>Numenius minutus</i>	little curlew		SL	Y	Y	Little curlews may gather in large flocks on coastal and inland grasslands and black soil plains in northern Australia, near swamps and flooded areas. They also feed on playing fields, paddocks and urban lawns.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Driscoll	1, 2, 3
<i>Numenius phaeopus</i>	whimbrel		SL	Y	Y	Mudflats of estuaries, lagoons, occasionally sandy beaches, reefs and salt lakes.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Philomachus pugnax</i>	ruff		SL	Y	Y	Breeds in grassy fields. Winters on estuaries and marshes.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	2
<i>Pluvialis fulva</i>	pacific golden plover		SL	Y	Y	Estuaries, inter-tidal mudflats, beaches, reefs, salt marshes and offshore islands.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3
<i>Pluvialis squatarola</i>	grey plover		SL	Y	Y	Marine shores and estuaries, sand bars, beaches, rock platforms and reef flats.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2, 3

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Poephila cincta cincta</i>	black-throated finch	E	E	Y	Y	Open woodland, scrubby plains, <i>Pandanus</i> sp. flats with deep cover of grasses, never far from water. The black-throated finch (southern) occurs mainly in grassy, open woodlands and forests, typically dominated by <i>Eucalyptus</i> , <i>Corymbia</i> and <i>Melaleuca</i> or other habitats often along or near watercourses, or in the vicinity of freshwater.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Recurvirostra novaehollandia</i>	red-necked avocet				Y	Found in large shallow freshwater or saltwater wetlands and estuarine mudflats.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1
<i>Rhipidura rufifrons</i>	rufous fantail		SL	Y	Y	Rainforest, dense wet eucalypt and monsoon forests, paperbark and mangrove swamps, riverside vegetation, open country on migration.	Possible	Possible, flyover	Low	Suitable habitat in the broader area	1, 2
<i>Rostratula australis</i>	Australian painted snipe	V E	V	Y	Y	Shallow inland wetlands, brackish or freshwater that are permanently or temporarily inundated. The Australian painted snipe generally inhabits shallow terrestrial freshwater (occasionally brackish) wetlands and also use inundated or waterlogged grassland or saltmarsh, dams and bore drains. The Australian painted snipe prefers to breed in areas with overhanging vegetation.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Tyto novaehollandiae kimberli</i>	masked owl (northern)	V	V			<i>In northern Australia, the Masked Owl has been recorded from riparian forest, rainforest, open forest, Melaleuca swamps and the edges of mangroves, as well as along the margins of sugar cane fields.</i>	Possible	Unlikely	Low	No suitable habitat in the area	6
<i>Tadorna radjah</i>	radjah shelduck		NT C	Y	Y	Favours shallow pools and mudbanks or the shallow fringes of deep pools.	Possible	Unlikely	Low	Suitable habitat in the broader area	2
<i>Thalasseus bengalensis</i>	lesser crested tern			Y	Y	The species inhabits tropical and subtropical sandy and coral coasts and estuaries, breeding on low-lying offshore islands, coral flats, sandbanks and flat sandy beaches, foraging in the surf and over offshore waters.	Present	Possible, flyover	Low	Species identified by Driscoll	3

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Thalasseus bergii</i>	crested tern		C		Y	The species inhabits tropical and subtropical coastlines, foraging in the shallow waters of lagoons, coral reefs, estuaries, bays, harbours and inlets, along sandy, rocky, coral or muddy shores, on rocky outcrops in open sea, in mangrove swamps and also far out to sea on open water. It shows a preference for nesting on offshore islands, low-lying coral reefs, sandy or rocky coastal islets, coastal spits, lagoon mudflats, and artificial islets in saltpans and sewage works, within three kilometres of the coast.	Present	Possible, flyover	Low	Species identified by Driscoll	3
<i>Threskiornis molucca</i>	Australian ibis		C		Y	Habitat for this species consists of wetlands and pastures of both freshwater and tidal influence. Mangrove habitats are also frequented and the Australian white ibis has been expanding its range into expanding agricultural areas over the past decades.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by GHD	3
<i>Todiramphus sanctus</i>	sacred kingfisher		C		Y	The sacred kingfisher is widely spread across the Australian continent, with the exception of the arid interior. Habitats occupied by this species include open forest areas, woodlands, scrublands and mangroves and riparian vegetation. Nesting for this species is reliant on the availability of hollows in trees and termite mounds with occasional burrows excavated in river banks and fence posts.	Present	Unlikely	Low	Species identified using habitat near the mouth of the Ross River by GHD	3
<i>Tringa brevipes</i>	grey-tailed tattler		SL	Y	Y	The grey-tailed tattler is often found on sheltered coasts with reefs and rock platforms or with inter-tidal mudflats. It can also be found at inter-tidal rocky, coral or stony reefs as well as platforms and islets that are exposed at low tide. It has been found around shores of rock, shingle, gravel or shells and also on inter-tidal mudflats in embayments, estuaries and coastal lagoons, especially fringed with mangroves.	Present	Present	Low	Species identified by Driscoll Port area	3

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Tringa glareola</i>	wood sandpiper		SL	Y	Y	The wood sandpiper uses well-vegetated, shallow, freshwater wetlands, such as swamps, billabongs, lakes, pools and waterholes. They are typically associated with emergent, aquatic plants or grass, and dominated by taller fringing vegetation, such as dense stands of rushes or reeds, shrubs, or dead or live trees, and often with fallen timber. They are also found at some small wetlands only when they are drying.	Possible	Unlikely	Low	Suitable habitat in the broader area	1, 2
<i>Tringa nebularia</i>	common greenshank		SL	Y	Y	The common greenshank is found in a wide variety of inland wetlands and sheltered coastal habitats of varying salinity. It occurs in sheltered coastal habitats, typically with large mudflats and saltmarsh, mangroves or seagrass. Habitats include embayments, harbours, river estuaries, deltas and lagoons and are recorded less often in round tidal pools, rock-flats and rock platforms.	Present	Present	Low	Species identified by Driscoll. Port and Ross River sandspit	3
<i>Tringa stagnatilis</i>	marsh sandpiper		SL	Y	Y	Coastal and inland salt or freshwater wetlands: estuaries, mudflats, mangroves, beaches, swamps, lakes, dams, billabongs, and temporary floodwaters.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2
<i>Xenus cinereus</i>	terek sandpiper		SL	Y	Y	Coastal mudflats, lagoons, creeks and estuaries. Favours mudbanks and sandbanks near mangroves, but also rocky pools and reefs. Roosts communally, often with related wader species.	Present	Present	Low	Species identified using habitat near the mouth of the Ross River by Maunsell and Driscoll	1, 2

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
Mammals											
<i>Dasyurus hallucatus</i>	northern quoll	E				Most abundant in rocky eucalypt woodlands but occurs in a variety of habitats. The most successful breeding occurs near creek lines, and dens are usually in hollow tree trunks. The northern quoll has declined significantly across most of its range in recent years. The northern quoll is a solitary carnivorous marsupial that makes its dens in rock crevices, tree holes or occasionally termite mounds, and is predominantly nocturnal.	Possible	Highly unlikely	Low	Rediscovered on Magnetic Island by Turner and Batiannoff	1
<i>Phascolarctos cinereus</i>	koala	V				They live in a range of temperate, sub-tropical and tropical forest, woodland and semi-arid communities dominated by eucalypt species.	Possible	Unlikely	Low	No suitable habitat in the area	6
<i>Hipposideros semoni</i>	semon's leaf-nosed bat	E	E			Inhabits caves, mines and buildings, tree hollows and forages a wide range of habitats including rainforest and savannah woodland.	Possible	Unlikely	Low	Suitable habitat in the broader area	1
<i>Saccolaimus saccolaimus nudicluniatus</i>	bare-rumped sheath-tail Bat	CE	E			The Bare-rumped Sheath-tail Bat occurs mostly in lowland areas, typically in a range of woodland, forest and open environment.	Possible	Unlikely	Low	No suitable habitat in the broader area	6
<i>Pteropus conspicillatus</i>	spectacled flying fox	V				The spectacled flying fox occurs in north-east Queensland, north of Cardwell and is restricted to tropical rainforest areas.	Unlikely	Unlikely	Low	No suitable habitat in the broader area. Species range north of Cardwell	1
<i>Rhinolophus philippinensis (large form)</i>	greater large-eared horseshoe bat	E	E			The greater large-eared horseshoe bat is found in lowland rainforest, along gallery forest-lined creeks in open eucalypt forest, <i>Melaleuca</i> forest with rainforest understorey, open savannah woodland and tall riparian woodland of <i>Melaleuca</i> , forest red gum ( <i>E. tereticornis</i> ) and Moreton Bay ash ( <i>E. tessellaris</i> ) Daytime roosting habitat for the greater large-eared horseshoe bat includes caves and underground mines located in rainforest, and open eucalypt forest and woodland. Roosts have also been observed in	Possible	Unlikely	Low	Suitable habitat in the broader area	1

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
						road culverts, and it is suspected that the species uses basal hollows of large trees, dense vegetation, rockpiles and areas beneath creekbanks.					
<i>Taphozous australis</i>	coastal sheathtail bat		V			This species is believed to be unevenly distributed throughout its range, due to its reliance on coastal roosts. The coastal sheathtail bat forages within approximately one kilometre of the ocean, including sand dune scrub, mangroves, <i>Melaleuca</i> swamps, coastal heathlands, open eucalypt forest, and grasslands.	Present	Possible, flyover	Low	Species identified using habitat near the mouth of the Ross River by GHD and recorded on Magnetic Island by Turner and Batianoff	3
<i>Xeromys myoides</i>	water mouse, false water rat	V	V			The species occupies coastal mangrove and saltmarsh habitats. The water mouse lives in mangrove communities, adjacent freshwater lagoons, swamps and sedged lakes close to coastal foredunes. In central Queensland, the species has only been captured in fringing mangroves in the high inter-tidal zone dominated by <i>Ceriops tagal</i> and/or <i>Bruguiera</i> spp. despite extensive searching in other mangrove habitats.	Possible	Highly unlikely	Low	Suitable habitat in the broader area	1
Reptiles											
<i>Acanthophis antarcticus</i>	common death adder		NT			This species is found in a wide variety of well-drained habitats, including rainforests and wet sclerophyll forests, woodland, shrublands, grasslands and coastal heathlands, preferring sites with deep fixed leaf litter. The importance of these habitats to this species is not known.	Present	Highly unlikely	Low	Mapped Essential habitat on Magnetic Island and by MICDA and MINCA	4
<i>Crocodylus porosus</i>	saltwater crocodile, estuarine		V	Y	Y	Saltwater crocodiles inhabit coastal rivers and swamps extending well inland via major rivers and billabongs. They are a tropical species, extending south to Rockhampton.	Possible	Likely	Low	Suitable habitat in the broader area	2

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Delma labialis</i>	striped-tailed delma	V	V C			A terrestrial to fossorial species found in dry open woodland and tall wet forest.	Present	Highly unlikely	Low	Mapped Essential habitat on Magnetic Island and identified by Turner and Batianoff	1, 4
<i>Denisonia maculata</i>	ornamental snake	V	V			<i>The Ornamental Snake's preferred habitat is within, or close to, habitat that is favoured by its prey - frogs. The species is known to prefer woodlands and open forests associated with moist areas, particularly gilgai (melon-hole) mounds and depressions in Queensland Regional Ecosystem Land Zone 4.</i>	Possible	Highly unlikely	Low	No suitable habitat	6
<i>Egernia rugosa</i>	yakka skink	V	V			Yakka skinks occur in a wide variety of habitats including poplar box, alluvial soils, low ridges, cypress on sands, belah, mulga and eucalypt woodland, log piles and rabbit warrens. They are considered to be a habitat generalist. Usually found in open dry sclerophyll forest or woodland. Skinks often take refuge among dense ground vegetation, hollow logs, cavities in soil-bound root systems of fallen trees and beneath rocks. The species is restricted to dry woodlands and outcrops of Queensland's eastern interior.	Possible	Highly unlikely	Low	Suitable habitat in the broader area	1
<i>Lampropholis mirabilis</i>	saxicoline sunskink		NT			Inhabits rocky areas in thickets of hoop pine and pockets of rainforest.	Present	Highly unlikely	Low	Mapped Essential habitat on Magnetic Island	1, 4

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Menetia sadleri</i>	sadliers-dwarf skink		✓			The Sadlier's skink is endemic to Queensland and is known only from Magnetic Island, off Townsville. The species may occur on parts of the nearby mainland, but no targeted surveys have been conducted to clarify this. Basic habitat requirements are poorly understood. Most surveyed species have been from the low-lying areas on Magnetic Island. In the lowland areas, Sadlier's skinks appear to prefer seasonally dry <i>Melaleuca</i> swamps and areas with thick leaf litter. It is not known whether the skink occurs on the granite boulder hills that dominate the island.	Possible	Highly unlikely	Low	Identified by Turner and Batianoff	4
<b>Plants</b>											
<i>Acacia jacksoniana</i>			NT			Grows in brown loam, over Argentine schist, in open eucalypt woodland.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Bonamia dietrichiana</i>			NT			This species occurs in vine thicket vegetation.	Present	Highly unlikely	Low	Mapped Essential habitat on Magnetic Island and by MICDA and MINCA	4
<i>Cassia</i> sp. (Paluma Range <i>G. Sankowsky + 450</i> )	golden shower		NT			Grows in monsoon forest, vine forest, rain forest, open forest and woodlands.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Corchorus hygrophilus</i>			✓			Occurs on vine forest margins or in sclerophyll forest adjacent to vine forest. It grows among boulders and on soils derived from granite or limestone.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Croton magneticus</i>		✓	✓			This species grows in deciduous vine thickets on soils derived from sandstone, granite or acid agglomerate substrates.	Present	Highly unlikely	Low	Mapped essential habitat on Magnetic Island and by MICDA and MINCA	4

Species Name	Common Name <sup>1</sup>	EPBC Act Status <sup>2</sup>	NC Act Status <sup>2</sup>	Migratory <sup>3</sup>	Marine <sup>3</sup>	Preferred Habitat	Likelihood of Occurrence in Region	Likelihood to Occur in Project Area	Sensitivity to Project	Comments <sup>4</sup>	Sources <sup>5</sup>
<i>Grewia graniticola</i>			NT			A shrub, recorded in woodlands on hill slopes or coastal dunes, in sandy or skeletal soil.	Present	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	2, 4
<i>Hydrocharis dubia</i>	frogbit	√	√			Floating in deep water or rooted in shallow pools, lakes and slow moving streams.	Possible	Highly unlikely	Low	Suitable habitat in the broader area	4
<i>Leucopogon cuspidatus</i>		√				Mountain tops on poor skeletal soils, amongst granite or serpentinite outcrops.	Possible	Highly unlikely	Low	Suitable habitat in the broader area	4
<i>Marsdenia brevifolia</i>	scrubby bush pear	V	V			Most plants restricted to the hills of Magnetic Island.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Peripleura scabra</i>			NT C			Limited habitat information available for this species.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Solanum sporadotrichum</i>			NT C			The species is now better known and its range is extended north to west of Townsville and it has been recorded from vine thicket, rainforest margins and <i>Argyrodendron</i> -dominated rainforest.	Possible	Highly unlikely	Low	Species identified using habitat on Magnetic Island by MICDA and MINCA	4
<i>Taeniophyllum muelleri</i>	minute orchid, ribbon root orchid	√				Epiphytic vine on the branches of rainforest trees in coastal areas. <i>Taeniophyllum muelleri</i> is a rainforest species, epiphytic on the trunks, branches and branchlets of trees.	Possible	Highly unlikely	Low	Suitable habitat in the broader area	1

<sup>1</sup> Common and scientific names for birds follow Christidis and Boles (2008); other names follow EPBC Act lists of threatened species (DSEWPC, 2012).

<sup>2</sup> CE - Critically Endangered; E - Endangered; V - Vulnerable; NT - Near Threatened; C - Common; SLC - Special Least Concerned;

<sup>3</sup> Y - Yes

<sup>4</sup> References: (Driscoll V. , 2009), (GHD, 2009), (Maunsell AECOM, 2008), (MICDA & MINCA, 2004), (Turner & Batianoff, ?, 2007), (Turner & Batianoff, 2007)

<sup>5</sup> 1 - EPBC Protected Matters Search; 2 - Wildlife Online Search; 3 - Previous Surveys; 4 - Other literature

<sup>6</sup> EPBC Protected Matters Search; January 2016

<sup>7</sup> Wildlife Online Search January 2016



# 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: 28/01/16 12:59:33

[Summary](#)

[Details](#)

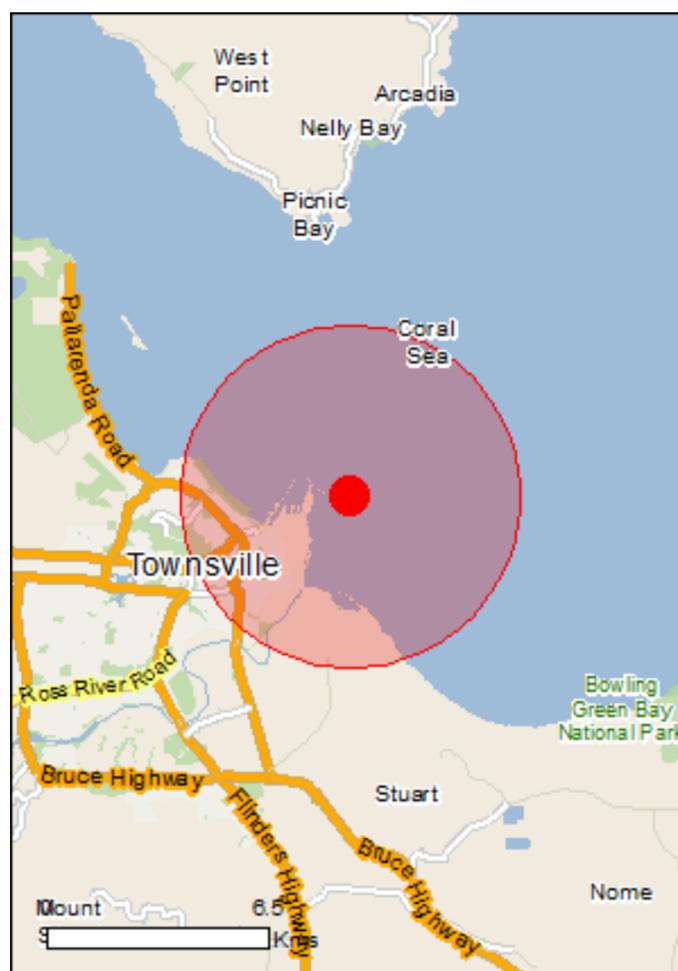
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



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[Coordinates](#)

Buffer: 5.0Km



# 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](#).

<a href="#">World Heritage Properties:</a>	1
<a href="#">National Heritage Places:</a>	1
<a href="#">Wetlands of International Importance:</a>	1
<a href="#">Great Barrier Reef Marine Park:</a>	2
<a href="#">Commonwealth Marine Area:</a>	None
<a href="#">Listed Threatened Ecological Communities:</a>	None
<a href="#">Listed Threatened Species:</a>	30
<a href="#">Listed Migratory Species:</a>	63

## 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.

<a href="#">Commonwealth Land:</a>	4
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	105
<a href="#">Whales and Other Cetaceans:</a>	12
<a href="#">Critical Habitats:</a>	None
<a href="#">Commonwealth Reserves Terrestrial:</a>	None
<a href="#">Commonwealth Reserves Marine:</a>	None

## Extra Information

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

<a href="#">State and Territory Reserves:</a>	None
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Invasive Species:</a>	35
<a href="#">Nationally Important Wetlands:</a>	2
<a href="#">Key Ecological Features (Marine)</a>	None

# Details

## Matters of National Environmental Significance

<b>World Heritage Properties</b>		<a href="#">[ Resource Information ]</a>
Name	State	Status
<a href="#">Great Barrier Reef</a>	QLD	Declared property
<b>National Heritage Properties</b>		<a href="#">[ Resource Information ]</a>
Name	State	Status
Natural		
<a href="#">Great Barrier Reef</a>	QLD	Listed place
<b>Wetlands of International Importance (Ramsar)</b>		<a href="#">[ Resource Information ]</a>
Name		Proximity
<a href="#">Bowling green bay</a>		Within 10km of Ramsar
<b>Great Barrier Reef Marine Park</b>		<a href="#">[ Resource Information ]</a>
Type	Zone	IUCN
Conservation Park	CP-19-4059	IV
General Use	GU-16-6004	VI
<b>Listed Threatened Species</b>		<a href="#">[ Resource Information ]</a>
Name	Status	Type of Presence
Birds		
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Erythrotriorchis radiatus</a> Red Goshawk [942]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Fregetta grallaria grallaria</a> White-bellied Storm-Petrel (Tasman Sea), White-bellied Storm-Petrel (Australasian) [64438]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Neochmia ruficauda ruficauda</a> Star Finch (eastern), Star Finch (southern) [26027]	Endangered	Species or species habitat likely to occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew [847]	Critically Endangered	Roosting known to occur within area
<a href="#">Poephila cincta cincta</a> Black-throated Finch (southern) [64447]	Endangered	Species or species habitat likely to occur within area
<a href="#">Rostratula australis</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
<a href="#">Tyto novaehollandiae kimberli</a> Masked Owl (northern) [26048]	Vulnerable	Species or species habitat likely to occur within area
Mammals		
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Dasyurus hallucatus</a> Northern Quoll [331]	Endangered	Species or species habitat likely to occur

Name	Status	Type of Presence within area
<a href="#">Hipposideros semoni</a> Semon's Leaf-nosed Bat, Greater Wart-nosed Horseshoe-bat [180]	Endangered	Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Breeding known to occur within area
<a href="#">Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)</a> Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Vulnerable	Species or species habitat may occur within area
<a href="#">Pteropus conspicillatus</a> Spectacled Flying-fox [185]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Rhinolophus robertsi</a> Large-eared Horseshoe Bat, Greater Large-eared Horseshoe Bat [87639]	Endangered	Species or species habitat may occur within area
<a href="#">Saccolaimus saccolaimus nudicluniatus</a> Bare-rumped Sheath-tail Bat [66889]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Xeromys myoides</a> Water Mouse, False Water Rat, Yirrkoo [66]	Vulnerable	Species or species habitat may occur within area
<b>Plants</b>		
<a href="#">Marsdenia brevifolia</a> [64585]	Vulnerable	Species or species habitat may occur within area
<b>Reptiles</b>		
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding likely to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Denisonia maculata</a> Ornamental Snake [1193]	Vulnerable	Species or species habitat may occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Egernia rugosa</a> Yakka Skink [1420]	Vulnerable	Species or species habitat may occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Breeding likely to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
<b>Sharks</b>		
<a href="#">Carcharodon carcharias</a> Great White Shark [64470]	Vulnerable	Species or species habitat may occur within area
<a href="#">Pristis pristis</a> Largetooth Sawfish, Freshwater Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Pristis zijsron</a> Green Sawfish, Dindagubba, Narrowsnout Sawfish	Vulnerable	Breeding likely to occur

Name	Status	Type of Presence
[68442] <a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	within area  Species or species habitat may occur within area
<b>Listed Migratory Species</b>		<b>[ <a href="#">Resource Information</a> ]</b>
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
<b>Migratory Marine Birds</b>		
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Sterna albifrons</a> Little Tern [813]		Species or species habitat may occur within area
<b>Migratory Marine Species</b>		
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Carcharodon carcharias</a> Great White Shark [64470]	Vulnerable	Species or species habitat may occur within area
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding likely to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Crocodylus porosus</a> Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Dugong dugon</a> Dugong [28]		Species or species habitat known to occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Lamna nasus</a> Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Breeding likely to occur within area
<a href="#">Manta alfredi</a> Reef Manta Ray, Coastal Manta Ray, Inshore Manta Ray, Prince Alfred's Ray, Resident Manta Ray [84994]		Species or species habitat may occur within area
<a href="#">Manta birostris</a> Giant Manta Ray, Chevron Manta Ray, Pacific Manta Ray, Pelagic Manta Ray, Oceanic Manta Ray [84995]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Breeding known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur

Name	Threatened	Type of Presence within area
<a href="#">Orcaella brevirostris</a> Irrawaddy Dolphin [45]		Species or species habitat known to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Pristis pristis</a> Largetooth Sawfish, Freshwater Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Pristis zijsron</a> Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Breeding likely to occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sousa chinensis</a> Indo-Pacific Humpback Dolphin [50]		Breeding known to occur within area
<b>Migratory Terrestrial Species</b>		
<a href="#">Cuculus optatus</a> Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area
<a href="#">Hirundapus caudacutus</a> White-throated Needletail [682]		Species or species habitat known to occur within area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<a href="#">Monarcha melanopsis</a> Black-faced Monarch [609]		Species or species habitat known to occur within area
<a href="#">Monarcha trivirgatus</a> Spectacled Monarch [610]		Species or species habitat known to occur within area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat likely to occur within area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat known to occur within area
<a href="#">Rhipidura rufifrons</a> Rufous Fantail [592]		Species or species habitat likely to occur within area
<b>Migratory Wetlands Species</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Ardea alba</a> Great Egret, White Egret [59541]		Breeding known to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Breeding likely to occur within area
<a href="#">Arenaria interpres</a> Ruddy Turnstone [872]		Foraging, feeding or related behaviour known to occur within area

Name	Threatened	Type of Presence
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Roosting known to occur within area
<a href="#">Calidris alba</a> Sanderling [875]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris ruficollis</a> Red-necked Stint [860]		Roosting known to occur within area
<a href="#">Calidris tenuirostris</a> Great Knot [862]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius leschenaultii</a> Greater Sand Plover, Large Sand Plover [877]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius mongolus</a> Lesser Sand Plover, Mongolian Plover [879]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius veredus</a> Oriental Plover, Oriental Dotterel [882]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Roosting may occur within area
<a href="#">Gallinago megala</a> Swinhoe's Snipe [864]		Roosting likely to occur within area
<a href="#">Gallinago stenura</a> Pin-tailed Snipe [841]		Roosting likely to occur within area
<a href="#">Heteroscelus brevipes</a> Grey-tailed Tattler [59311]		Roosting known to occur within area
<a href="#">Heteroscelus incanus</a> Wandering Tattler [59547]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Limicola falcinellus</a> Broad-billed Sandpiper [842]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		Species or species habitat known to occur within area
<a href="#">Limosa limosa</a> Black-tailed Godwit [845]		Roosting known to occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew [847]	Critically Endangered	Roosting known to occur within area
<a href="#">Numenius minutus</a> Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Numenius phaeopus</a> Whimbrel [849]		Roosting known to occur within area

Name	Threatened	Type of Presence
<a href="#">Pandion haliaetus</a> Osprey [952]		Breeding known to occur within area
<a href="#">Philomachus pugnax</a> Ruff (Reeve) [850]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Pluvialis fulva</a> Pacific Golden Plover [25545]		Roosting known to occur within area
<a href="#">Pluvialis squatarola</a> Grey Plover [865]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Tringa glareola</a> Wood Sandpiper [829]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area
<a href="#">Tringa stagnatilis</a> Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Xenus cinereus</a> Terek Sandpiper [59300]		Foraging, feeding or related behaviour known 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 - Commonwealth Centre
Defence - JEZZINE BARRACKS - TOWNSVILLE
Defence - NORTH WARD TRAINING DEPOT - TOWNSVILLE
Defence - ROSS ISLAND BARRACKS

### 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
<b>Birds</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Anseranas semipalmata</a> Magpie Goose [978]		Species or species habitat may occur within area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Ardea alba</a> Great Egret, White Egret [59541]		Breeding known to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Breeding likely to occur within area
<a href="#">Arenaria interpres</a> Ruddy Turnstone [872]		Foraging, feeding or related behaviour known

Name	Threatened	Type of Presence
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		to occur within area  Roosting known to occur within area
<a href="#">Calidris alba</a> Sanderling [875]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Foraging, feeding or related behaviour known to occur within area
<a href="#">Calidris ruficollis</a> Red-necked Stint [860]		Roosting known to occur within area
<a href="#">Calidris tenuirostris</a> Great Knot [862]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius leschenaultii</a> Greater Sand Plover, Large Sand Plover [877]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius mongolus</a> Lesser Sand Plover, Mongolian Plover [879]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius ruficapillus</a> Red-capped Plover [881]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Charadrius veredus</a> Oriental Plover, Oriental Dotterel [882]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Cuculus saturatus</a> Oriental Cuckoo, Himalayan Cuckoo [710]		Species or species habitat known to occur within area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Roosting may occur within area
<a href="#">Gallinago megala</a> Swinhoe's Snipe [864]		Roosting likely to occur within area
<a href="#">Gallinago stenura</a> Pin-tailed Snipe [841]		Roosting likely to occur within area
<a href="#">Haliaeetus leucogaster</a> White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
<a href="#">Heteroscelus brevipes</a> Grey-tailed Tattler [59311]		Roosting known to occur within area
<a href="#">Heteroscelus incanus</a> Wandering Tattler [59547]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Himantopus himantopus</a> Black-winged Stilt [870]		Roosting known to occur within area
<a href="#">Hirundapus caudacutus</a> White-throated Needletail [682]		Species or species habitat known to occur within area
<a href="#">Limicola falcinellus</a> Broad-billed Sandpiper [842]		Foraging, feeding or related behaviour known

Name	Threatened	Type of Presence
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		to occur within area  Species or species habitat known to occur within area
<a href="#">Limosa limosa</a> Black-tailed Godwit [845]		Roosting known to occur within area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<a href="#">Monarcha melanopsis</a> Black-faced Monarch [609]		Species or species habitat known to occur within area
<a href="#">Monarcha trivirgatus</a> Spectacled Monarch [610]		Species or species habitat known to occur within area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat likely to occur within area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat known to occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew [847]	Critically Endangered	Roosting known to occur within area
<a href="#">Numenius minutus</a> Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Numenius phaeopus</a> Whimbrel [849]		Roosting known to occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Breeding known to occur within area
<a href="#">Philomachus pugnax</a> Ruff (Reeve) [850]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Pluvialis fulva</a> Pacific Golden Plover [25545]		Roosting known to occur within area
<a href="#">Pluvialis squatarola</a> Grey Plover [865]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Recurvirostra novaehollandiae</a> Red-necked Avocet [871]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Rhipidura rufifrons</a> Rufous Fantail [592]		Species or species habitat likely to occur within area
<a href="#">Rostratula benghalensis (sensu lato)</a> Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
<a href="#">Sterna albifrons</a> Little Tern [813]		Species or species habitat may occur within area
<a href="#">Tringa glareola</a> Wood Sandpiper [829]		Foraging, feeding or related behaviour known to occur within area

Name	Threatened	Type of Presence
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]		Species or species habitat known to occur within area
<a href="#">Tringa stagnatilis</a> Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Xenus cinereus</a> Terek Sandpiper [59300]		Foraging, feeding or related behaviour known to occur within area
<b>Fish</b>		
<a href="#">Acentronura tentaculata</a> Shortpouch Pygmy Pipehorse [66187]		Species or species habitat may occur within area
<a href="#">Campichthys tryoni</a> Tryon's Pipefish [66193]		Species or species habitat may occur within area
<a href="#">Choeroichthys brachysoma</a> Pacific Short-bodied Pipefish, Short-bodied Pipefish [66194]		Species or species habitat may occur within area
<a href="#">Choeroichthys suillus</a> Pig-snouted Pipefish [66198]		Species or species habitat may occur within area
<a href="#">Corythoichthys amplexus</a> Fijian Banded Pipefish, Brown-banded Pipefish [66199]		Species or species habitat may occur within area
<a href="#">Corythoichthys flavofasciatus</a> Reticulate Pipefish, Yellow-banded Pipefish, Network Pipefish [66200]		Species or species habitat may occur within area
<a href="#">Corythoichthys intestinalis</a> Australian Messmate Pipefish, Banded Pipefish [66202]		Species or species habitat may occur within area
<a href="#">Corythoichthys ocellatus</a> Orange-spotted Pipefish, Ocellated Pipefish [66203]		Species or species habitat may occur within area
<a href="#">Corythoichthys paxtoni</a> Paxton's Pipefish [66204]		Species or species habitat may occur within area
<a href="#">Corythoichthys schultzi</a> Schultz's Pipefish [66205]		Species or species habitat may occur within area
<a href="#">Cosmocampus darrosanus</a> D'Arros Pipefish [66207]		Species or species habitat may occur within area
<a href="#">Doryrhamphus excisus</a> Bluestripe Pipefish, Indian Blue-stripe Pipefish, Pacific Blue-stripe Pipefish [66211]		Species or species habitat may occur within area
<a href="#">Festucalex cinctus</a> Girdled Pipefish [66214]		Species or species habitat may occur within area
<a href="#">Halicampus dunckeri</a> Red-hair Pipefish, Duncker's Pipefish [66220]		Species or species habitat may occur within area
<a href="#">Halicampus grayi</a> Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Halicampus nitidus</a> Glittering Pipefish [66224]		Species or species habitat may occur within area
<a href="#">Halicampus spirostris</a> Spiny-snout Pipefish [66225]		Species or species habitat may occur within area
<a href="#">Hippichthys cyanospilos</a> Blue-speckled Pipefish, Blue-spotted Pipefish [66228]		Species or species habitat may occur within area
<a href="#">Hippichthys heptagonus</a> Madura Pipefish, Reticulated Freshwater Pipefish [66229]		Species or species habitat may occur within area
<a href="#">Hippichthys penicillus</a> Beady Pipefish, Steep-nosed Pipefish [66231]		Species or species habitat may occur within area
<a href="#">Hippocampus bargibanti</a> Pygmy Seahorse [66721]		Species or species habitat may occur within area
<a href="#">Hippocampus kuda</a> Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area
<a href="#">Hippocampus planifrons</a> Flat-face Seahorse [66238]		Species or species habitat may occur within area
<a href="#">Hippocampus zebra</a> Zebra Seahorse [66241]		Species or species habitat may occur within area
<a href="#">Micrognathus andersonii</a> Anderson's Pipefish, Shortnose Pipefish [66253]		Species or species habitat may occur within area
<a href="#">Micrognathus brevisrostris</a> thorntail Pipefish, Thorn-tailed Pipefish [66254]		Species or species habitat may occur within area
<a href="#">Nannocampus pictus</a> Painted Pipefish, Reef Pipefish [66263]		Species or species habitat may occur within area
<a href="#">Solegnathus hardwickii</a> Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area
<a href="#">Solenostomus cyanopterus</a> Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
<a href="#">Solenostomus paegnius</a> Rough-snout Ghost Pipefish [68425]		Species or species habitat may occur within area
<a href="#">Solenostomus paradoxus</a> Ornate Ghostpipefish, Harlequin Ghost Pipefish, Ornate Ghost Pipefish [66184]		Species or species habitat may occur within area
<a href="#">Syngnathoides biaculeatus</a> Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
<a href="#">Trachyrhamphus bicoarctatus</a> Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Trachyrhamphus longirostris</a> Straightstick Pipefish, Long-nosed Pipefish, Straight Stick Pipefish [66281]		Species or species habitat may occur within area
<b>Mammals</b>		
<a href="#">Dugong dugon</a> Dugong [28]		Species or species habitat known to occur within area
<b>Reptiles</b>		
<a href="#">Acalyptophis peronii</a> Horned Seasnake [1114]		Species or species habitat may occur within area
<a href="#">Aipysurus duboisii</a> Dubois' Seasnake [1116]		Species or species habitat may occur within area
<a href="#">Aipysurus eydouxii</a> Spine-tailed Seasnake [1117]		Species or species habitat may occur within area
<a href="#">Aipysurus laevis</a> Olive Seasnake [1120]		Species or species habitat may occur within area
<a href="#">Astrotia stokesii</a> Stokes' Seasnake [1122]		Species or species habitat may occur within area
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding likely to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Crocodylus porosus</a> Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Disteira kingii</a> Spectacled Seasnake [1123]		Species or species habitat may occur within area
<a href="#">Disteira major</a> Olive-headed Seasnake [1124]		Species or species habitat may occur within area
<a href="#">Enhydrina schistosa</a> Beaked Seasnake [1126]		Species or species habitat may occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Hydrophis elegans</a> Elegant Seasnake [1104]		Species or species habitat may occur within area
<a href="#">Hydrophis mcdowellii</a> null [25926]		Species or species habitat may occur within area
<a href="#">Hydrophis ornatus</a> Spotted Seasnake, Ornate Reef Seasnake [1111]		Species or species habitat may occur within area
<a href="#">Lapemis hardwickii</a> Spine-bellied Seasnake [1113]		Species or species

Name	Threatened	Type of Presence
<a href="#">Laticauda colubrina</a> a sea krait [1092]		habitat may occur within area  Species or species habitat may occur within area
<a href="#">Laticauda laticaudata</a> a sea krait [1093]		Species or species habitat may occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Breeding likely to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
<a href="#">Pelamis platurus</a> Yellow-bellied Seasnake [1091]		Species or species habitat may occur within area

## Whales and other Cetaceans [ Resource Information ]

Name	Status	Type of Presence
<b>Mammals</b>		
<a href="#">Balaenoptera acutorostrata</a> Minke Whale [33]		Species or species habitat may occur within area
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Delphinus delphis</a> Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
<a href="#">Grampus griseus</a> Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Breeding known to occur within area
<a href="#">Orcaella brevirostris</a> Irrawaddy Dolphin [45]		Species or species habitat known to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Sousa chinensis</a> Indo-Pacific Humpback Dolphin [50]		Breeding known to occur within area
<a href="#">Stenella attenuata</a> Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area
<a href="#">Tursiops aduncus</a> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area
<a href="#">Tursiops truncatus s. str.</a> Bottlenose Dolphin [68417]		Species or species habitat may occur within area

## Extra Information

### 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
<b>Birds</b>		
Acridotheres tristis Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Lonchura punctulata Nutmeg Mannikin [399]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
<b>Frogs</b>		
Rhinella marina Cane Toad [83218]		Species or species habitat likely to occur within area
<b>Mammals</b>		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur

Name	Status	Type of Presence within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Lepus capensis Brown Hare [127]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus norvegicus Brown Rat, Norway Rat [83]		Species or species habitat likely to occur 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
<b>Plants</b>		
Acacia nilotica subsp. indica Prickly Acacia [6196]		Species or species habitat may occur within area
Annona glabra Pond Apple, Pond-apple Tree, Alligator Apple, Bullock's Heart, Cherimoya, Monkey Apple, Bobwood, Corkwood [6311]		Species or species habitat likely to occur within area
Cabomba caroliniana Cabomba, Fanwort, Carolina Watershield, Fish Grass, Washington Grass, Watershield, Carolina Fanwort, Common Cabomba [5171]		Species or species habitat likely to occur within area
Cryptostegia grandiflora Rubber Vine, Rubbervine, India Rubber Vine, India Rubbervine, Palay Rubbervine, Purple Allamanda [18913]		Species or species habitat likely to occur within area
Dolichandra unguis-cati Cat's Claw Vine, Yellow Trumpet Vine, Cat's Claw Creeper, Funnel Creeper [85119]		Species or species habitat likely to 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
Opuntia spp. Prickly Pears [82753]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree,		Species or species

Name	Status	Type of Presence
Horse Bean [12301]		habitat likely to occur within area
Parthenium hysterophorus Parthenium Weed, Bitter Weed, Carrot Grass, False Ragweed [19566]		Species or species habitat likely to occur within area
Prosopis spp. Mesquite, Algaroba [68407]		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 likely to occur within area

## Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Lepidodactylus lugubris Mourning Gecko [1712]		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
<a href="#">Burdekin - Townsville Coastal Aggregation</a>	QLD
<a href="#">Great Barrier Reef Marine Park</a>	QLD

# 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.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

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

-19.24831 146.84754

# 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](#)
- [-Parks and Wildlife Commission NT, Northern Territory Government](#)
- [-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, Atherton and Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- 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.

Search Criteria Species List for a Defined Area

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Species: All  
 Type: All  
 Status: All  
 Record: All  
 Date: All  
 Latitude: 19.2158 to 19.2746  
 Longitude: 146.8107 to 146.8776  
 Email: kristina.ihme@aecom.com  
 Date of Thursday 28 Jan 2016 11:56:04  
 Date of Thursday 28 Jan 2016 12:00:06

The number of records retrieved = 388

Disclaimer

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As the DSITIA is still in a process of collating and vetting data, it is possible the information given is not complete. The information provided should only be used for the project for which it was requested and it should be appropriately acknowledged as being derived from Wildlife Online when it is used.

The State of Queensland does not invite reliance upon, nor accept responsibility for this information. Persons should satisfy themselves through independent means as to the accuracy and completeness of this information.

No statements, representations or warranties are made about the accuracy or completeness of this information. The State of Queensland disclaims all responsibility for this information and all liability (including without limitation, 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.

Feedback about Wildlife Online should be emailed to [wildlife.online@science.dsitia.qld.gov.au](mailto:wildlife.online@science.dsitia.qld.gov.au)

Description of the CODES

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- 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 in the Wild (PE), Endangered (E), Vulnerable (V), Near Threatened (NT), Least Concern (C) or Not Protected ( ).
- A - Indicates the Australian conservation status of each taxon under the Environment Protection and Biodiversity Conservation Act 1999. The values of EPBC are Conservation Dependent (CD), Critically Endangered (CE), Endangered (E), Extinct (EX), Extinct in the Wild (XW) and Vulnerable (V).

Records – The first number indicates the total number of records of the taxon for the record option selected (i.e. All, Confirmed or Specimens).  
 The second number located after the / indicates the number of specimen records for the taxon.

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Sighting	R	Specimen Records
animals	birds	Accipitridae	Pandion cristatus	eastern osprey		SL		10		0
animals	birds	Ardeidae	Ardea alba modesta	eastern great egret		SL		23		0 needs to be added to table 1
animals	birds	Ardeidae	Ardea ibis	cattle egret		SL		1		0
animals	birds	Burhinidae	Esacus magnirostris	beach stone-curlew		V		12		0
animals	birds	Charadriidae	Charadrius leschenaultii	greater sand plover		SL		6		0
animals	birds	Charadriidae	Pluvialis squatarola	grey plover		SL		4		0
animals	birds	Charadriidae	Charadrius mongolus	lesser sand plover		SL		12		0
animals	birds	Charadriidae	Pluvialis fulva	Pacific golden plover		SL		14		0

animals	birds	Fregatidae	Fregata ariel	lesser frigatebird	SL		1	0
animals	birds	Hirundinidae	Hirundo rustica	barn swallow	SL		1	0
animals	birds	Laridae	Anous stolidus	common noddy	SL		1	0
animals	birds	Laridae	Sterna hirundo	common tern	SL		2	0
animals	birds	Laridae	Sterna sumatrana	black-naped tern	SL		2	0
animals	birds	Laridae	Hydroprogne caspia	Caspian tern	SL		23	0
animals	birds	Laridae	Gelochelidon nilotica	gull-billed tern	SL		22	0
animals	birds	Laridae	Chlidonias leucopterus	white-winged black tern	SL		1	0
animals	birds	Laridae	Onychoprion anaethetus	bridled tern	SL		1	0
animals	birds	Laridae	Sternula albifrons	little tern	SL		8	0
animals	birds	Meropidae	Merops ornatus	rainbow bee-eater	SL		13	0
animals	birds	Procellariidae	Ardenna tenuirostris	short-tailed shearwater	SL		4	3
animals	birds	Procellariidae	Ardenna pacifica	wedge-tailed shearwater	SL		1	0
animals	birds	Rhipiduridae	Rhipidura rufifrons	rufous fantail	SL		1	0
animals	birds	Scolopacidae	Calidris tenuirostris	great knot	SL		20	0
animals	birds	Scolopacidae	Numenius madagascariensis	eastern curlew	V	CE	32	0
animals	birds	Scolopacidae	Gallinago hardwickii	Latham's snipe	SL		5	0
animals	birds	Scolopacidae	Calidris ruficollis	red-necked stint	SL		16	0
animals	birds	Scolopacidae	Calidris ferruginea	curlew sandpiper	SL	CE	7	0
animals	birds	Scolopacidae	Tringa stagnatilis	marsh sandpiper	SL		6	0
animals	birds	Scolopacidae	Philomachus pugnax	ruff	SL		2	0
animals	birds	Scolopacidae	Calidris acuminata	sharp-tailed sandpiper	SL		14	0
animals	birds	Scolopacidae	Limicola falcinellus	broad-billed sandpiper	SL		1	0
animals	birds	Scolopacidae	Calidris alba	sanderling	SL		4	0
animals	birds	Scolopacidae	Limosa limosa	black-tailed godwit	SL		7	0
animals	birds	Scolopacidae	Xenus cinereus	terek sandpiper	SL		7	0
animals	birds	Scolopacidae	Tringa brevipes	grey-tailed tattler	SL		13	0
animals	birds	Scolopacidae	Tringa glareola	wood sandpiper	SL		1	0
animals	birds	Scolopacidae	Calidris canutus	red knot	SL		4	0
animals	birds	Scolopacidae	Limosa lapponica	bar-tailed godwit	SL		23	0
animals	birds	Scolopacidae	Numenius minutus	little curlew	SL		1	0
animals	birds	Scolopacidae	Tringa nebularia	common greenshank	SL		16	0
animals	birds	Scolopacidae	Numenius phaeopus	whimbrel	SL		23	0
animals	birds	Scolopacidae	Actitis hypoleucos	common sandpiper	SL		3	0
animals	birds	Scolopacidae	Arenaria interpres	ruddy turnstone	SL		4	0
animals	birds	Sulidae	Sula dactylatra	masked booby	SL		1	0
animals	birds	Sulidae	Sula sula	red-footed booby	SL		1	0
animals	birds	Sulidae	Sula leucogaster	brown booby	SL		8	1
animals	birds	Threskiornithidae	Plegadis falcinellus	glossy ibis	SL		3	0