

## Appendix A Threatened Fauna Evaluation

This table provides an evaluation of the presence of habitat and the likelihood of occurrence for conservation significant fauna species. The latter is based on habitat in the site and information from literature, nearby records, database searches and expert consultation. The following have been excluded from the tables as they are not likely to occur:

- Marine (e.g. seals, dolphins, whales, penguins).
- Marine migratory species (e.g. Albatrosses) or where breeding is in the northern hemisphere, e.g. those from the family Scolopacidae: Sandpipers and other shorebirds and waders.
- Wetland dependant species.
- Species considered to be regionally extinct.

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
INVERTEBRATES				
-				
VERTEBRATES				
AMPHIBIA				
-	-	-	-	-
AVES				

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
<i>Calyptrorhynchus latirostris</i> (Carnaby's Black Cockatoo) T, E	<p>This species is a postnuptial nomad, tending to move west after breeding. Carnaby's Black Cockatoo mainly occurs in or near eucalypt woodlands, especially those dominated by Wandoo or Salmon Gum, and sometimes reported in forests of Marri, Jarrah, Karri and Tuart. Nesting hollows may be located anywhere from 2 m to &gt;10 m from ground, mainly in the Wheatbelt (Cale 2003, SPRAT 2009, WA Museum 2010). The Project is approximately 350km east of the species known eastern breeding range (SEWPAC 2012).</p> <p>It has been observed locally though and the Project Area is within the species non-breeding range (ALA and Naturemap, accessed 2015).</p> <p>It is known to forage in native shrubland, kwongan heathland and woodland dominated by proteaceous plant species such as Banksia spp. (including Dryandra spp.), Hakea spp. and Grevillea spp. Forages in pine plantations (Pinus spp.), eucalypt woodland and forest that contains foraging species. Also individual trees and small stands of these species (SEWPAC 2012). Dieback has reduced the availability of most of the forage species that would have been available originally.</p> <p>Sixteen records in Naturemap occur around the site, including some in close proximity (within 2 km).</p>	Forage habitat only. No breeding habitat	Possible	Possible due to loss of forage habitat.
<i>Cereopsis novaehollandiae subsp. grisea</i> (Recherche Cape Barren Goose) T, V	<p>There is little published information available on the habitat of the Cape Barren Goose. It occurs on offshore islands and rocks, and at adjacent sites on the mainland. It inhabits grasslands and low fields of succulent herbs (comprised of <i>Carpobrotus</i> sp.), and occasionally occurs in open areas in taller and denser vegetation. The bird has also been recorded on beaches, and near lakes and freshwater 'soaks', on the mainland (SPRAT 2014).</p> <p>Halse and colleagues (1995, in SPRAT 2015) surveys in April 1993 recorded a total of 631 birds; including 612 birds on 79 islands and rocks in the Archipelago of the Recherche, four birds on Red Island (to the west of the archipelago) and a total of 15 birds at two sites on the mainland (near Pink Lake, north-west of Esperance, and at Cape Arid). The number and coverage of surveys suggests that the distribution, and to a lesser extent the population size, of the Cape Barren Goose is fairly well known. One Naturemap record occurs about 15km south east.</p>	Unlikely No breeding habitat	Unlikely	Unlikely
<i>Falco peregrinus subsp. macropus</i> (Peregrine Falcon) S, -	<p>Peregrine Falcons occur in woodland, plains, gorges, wetlands etc but tend to breed either in stick-nests in trees or nest on cliff ledges. It appears that stick-nests may be used where cliff ledges are limited. Breeds Aug-Nov. Cliff sites are chosen for protection from dominant weather direction and in well drained areas. Where good habitat occurs and the density of Peregrine Falcons is high, active nests may occur within 2.5km of each other. The diet of the Peregrine Falcon includes wood duck, pigeons and doves, galahs, rosellas and cockatoo, starlings and larks (Olsen et al. 2006).</p>	Potential foraging habitat No breeding habitat	Possible sporadic but	Unlikely

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
<i>Falco hypoleucos</i> (Grey Falcon) T,	Inhabits lightly timbered country especially stony plains and lightly timbered Acacia scrub mostly through central Australia (Morcombe 2011). Nests in the highest trees locally in old stick nests. Observed from Naturemap about 5km south of the site where it is on the edge of its range (Morcombe 2011) or perhaps well outside (Pizzey 2007).	Present No large stick nests observed.	Unlikely	Unlikely
<i>Haliaeetus leucogaster</i> (White-bellied Sea eagle) -, M	This species occurs around coastal areas, islands and estuaries, but is also found in inland areas where it is known from large rivers, wetlands and reservoirs (DECC, 2009). Usually forages, perches and roosts around waterways and nests in a huge nest of sticks in a tall live tree near water (Schodde and Tidemann, 2007) (Pizzey and Knight 2007).	Marginal foraging habitat No breeding habitat	Possible sporadic but	Unlikely
<i>Leipoa ocellata</i> (Malleefowl) T, V, M	It is mostly located to the south and west of a line extending from Cape Farquhar, which lies north of Carnarvon, to the Eyre Bird Observatory in the south-east of Western Australia. Occurs in semi-arid and arid zones of temperate Australia, where it occupies shrublands and low woodlands that are dominated by mallee vegetation. It also occurs in other habitat types including eucalypt or native pine <i>Callitris</i> woodlands, acacia shrublands, Broombush ( <i>Melaleuca uncinata</i> ) vegetation or coastal heathlands. The breeding habitat of the Malleefowl, within its home range, is characterised by light soil and abundant leaf litter (DEC 2010). There are no local records from Naturemap (2015).	Present Possible breeding habitat within the Mallee in the depression.	Possible	Possible
<i>Merops ornatus</i> (Rainbow Bee-eater) -, M	This species occupies a wide range of habitats including mangroves, heathland, vine thickets and open woodland on sandy soils, throughout Australia (Pizzey and Knight 2007). <i>M. ornatus</i> lay eggs in a burrow or sandy bank or cutting. The southern populations migrate north over winter to northern Australia, Papua New Guinea and eastern Indonesia. There are no local records from Naturemap (2015).	Present No breeding burrows were observed	Possible sporadic but	Unlikely

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
<i>Pezoporus flaviventris</i> (Western Ground Parrot) T, CE	<p>The Western Ground Parrot inhabits low, dry or swampy, near-coastal heathlands on sandplains and uplands in areas that receive 400-500 mm of rainfall annually. In recent years, confirmed records of the Western Ground Parrot have only been obtained within Fitzgerald River NP, Cape Arid NP and Nuytsland NR. It is also possible that a small subpopulation could persist in Waychinicup NP (SPRAT 2014).</p> <p>They occur in long unburnt (5 to 40 or more years); floristically diverse, near-coastal dry heath (400 to 500 millimetres rainfall). This vegetation is usually less than 0.5 metres high, though often up to one metre high, with more than 50 per cent cover. Sedges are generally abundant, making up 40 per cent of total cover. Although these parrots are usually found in long unburnt vegetation, they have been observed to feed in habitats two to three years post-fire, provided there is older vegetation nearby (DPaW 2014). In addition Ground Parrots fly mainly at dawn and dusk, fly short distances, low over vegetation, nest on or close to the ground and have good dispersal ability (DPaW 2014). The South Coast Threatened Birds Recovery Plan identifies that the site is within the western extent of Management Area for the species (DPaW 2014).</p>	Possible	Possible	Possible
MAMMALIA				
<i>Dasyurus geoffroii</i> (Western Quoll, Chudich) T, V	<p>Quolls may occupy a range of habitats including forest, woodland and desert, though in the SW they are largely restricted to Jarrah forest or scattered through the southern and eastern wheat belt in mallee shrubland (DEC 2010). Current records indicated that this only represents approximately 5% of their former range. Habitat attributes which are likely to be critical to the life cycle for the Western Quoll are large areas of undisturbed habitat which a sufficient variety of key food and other resources such as large hollow logs, burrows or small caves at ground level for denning. To be suitable as den sites, logs must have a diameter of at least 30 cm but usually greater than 50 cm, a hollow diameter of 7-20 cm and generally 1m long (Orell &amp; Morris 1994). Annually, an adult female Chuditch will utilise an estimated average of 66 logs and 110 burrows within her home range. A large amount of den sites are required for both sexes. They occupy relatively large home ranges, with males utilising over 15 km<sup>2</sup> and females 3-4 km<sup>2</sup> (Orell &amp; Morris 1994). A single record in Naturemap occurs about 13km east in Cape Arid NP though from distribution maps in Menkorst and Knight (2013) and others, the site is probably no longer within the species current distribution.</p>	Marginal more likely to occur in the Cape Arid NP or areas to the west.	Unlikely due to contraction of distribution	Unlikely

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
<i>Isodon obesulus fusciventer</i> (Southern Brown Bandicoot, Quenda) P5, -	Quenda's habitat consists of dense scrubby, often swampy vegetation with a dense cover up to one metre high particularly near watercourses and wetlands. It often feeds in adjacent forest (Jarrah and Wandoo) and woodlands that are burnt on a regular basis. Nests can be concealed next to or under old logs, shrubs or piles of debris and are made up of ground litter piled up over a shallow depression providing internal chambers. Home ranges vary with population density, and range from 5-8.6 ha for males and 1-6 ha for females (DEC 2010). Feed on a variety of ground-dwelling invertebrates and the fruit-bodies of hypogeous fungi. Their searches for food often create distinctive conical holes in the soil (DECCW 2010). It would be at the edge of its distribution if present (Menkorst and Knight 2013). Possible Quenda diggings were observed. There are no local Naturemap records (2015).	Present	Possible	Possible
<i>Macropus eugenii subsp. derbianus</i> (Tammar Wallaby) P5, -	Occurs throughout much of south-west WA from Kalbarri NP to Cape Arid east of Esperance on the south coast, and extending to the western parts of the Wheatbelt. Inhabits thickets (often Melaleuca or Gasterolobium) near to more open woodlands with grass understorey (Wildlife Australia 1996). Also inhabits ecotone between dense scrub and more open pasture including coastal scrub, heath, dry sclerophyll woodland, and mallee. Browses vegetation. It would be at the edge of its distribution if present (Menkorst and Knight 2013). There are no local Naturemap records (2015) and Ecoscape (2015) notes that it is likely to be extinct in the Cape Arid mainland area.	Marginal	Unlikely, likely to be locally extinct	Unlikely
<i>Macropus irma</i> (Western Brush Wallaby) P4, -	Optimum habitat for the Western Brush Wallaby includes open Jarrah forest or woodland and seasonally wet flats with low grasses and scrubby thickets, but also areas of mallee and heathland. Common dietary flora includes <i>Carpobrotus edulis</i> , <i>Cynodon dactylon</i> and <i>Nuytsia floribunda</i> (DEC, 2007). It would be at the edge of its distribution if present (Menkorst and Knight 2013). There are no local Naturemap records (2015).	Marginal	Unlikely, possible but	Unlikely to be direct impact but potential for habitat fragmentation through construction of a barrier

Species Status* (State, Cth)	Ecology	Presence of habitat	Likelihood of occurrence	Potential to be impacted?
<i>Parantechinus apicalis</i> (Dibbler) T, E	Surviving populations of dibblers (as opposed to reintroduced populations) are currently known only from FRNP and Boullanger and Whitlock Islands. The recovery plan for the species however notes that 'given the recorded disappearances and rediscoveries of the species it is likely that other populations exist, possibly in western coastal areas between Lancelin and Dongara, but most likely on the south coast between Denmark and Israelite Bay' (CALM 2003). Dibblers have been recorded over an extensive area and it is likely that they can occupy a diverse range of habitats. Mainland occurrences of dibblers have been characterised by the presence of long unburnt heathland. Typically, captures have been on sandy substrates although occasional records are on laterite soils (CALM 2003). No longer In summary, surviving populations of dibblers (as opposed to reintroduced populations) are currently known only from FRNP and Boullanger and Whitlock Islands.	Marginal	Possible unlikely but	Unlikely
<i>Petrogale lateralis subsp. Hacketti</i> (Recherche Black-footed Rock-wallaby) T, V	Three populations of the Recherche Rock-wallaby exist on Mondrain Island (810 ha), Wilson Island (90 ha) and Westall Island (70 ha) in the Recherche Archipelago, near Esperance, WA (SPRAT 2015).	No	None	None
REPTILIA				
<i>Acanthopis antarcticus</i> (Southern Death Adder) P3, -	Southern Death Adders inhabit a range of habitats, including rainforest, scrubland, semi arid zones and rocky outcrops. Typically during the day they remain mostly buried beneath sand, soil or debris, with just the tail and top of the head exposed.  Pilbara Pythons website, accessed 24.07.2014, <a href="http://www.pilbarapythons.com/stndeathadder.htm">http://www.pilbarapythons.com/stndeathadder.htm</a> .	Possible	Possible	Possible
<i>Morelia spilota imbricata</i> (Southern Carpet Python) S, -	It may shelter in burrows made by other animals, hollow tree limbs or logs (especially 150mm approx diameter hollows extending at least to 1m deep), or rock crevices. It commonly uses hollow logs for shelter (Wilson and Swan, 2008). This subspecies has been recorded from semi-arid coastal and inland habitats, <i>Banksia</i> woodland, eucalypt woodlands, and grasslands. The lack of good refuge (hollow timber, trees, or rocky areas) means the site probably has limited habitat opportunities for the spp.	Marginal	Possible sporadic but	Possible

Federal  
**VU:** Vulnerable  
**EN:** Endangered

WA  
**T:** Threatened which includes

Priority Fauna  
**P 1:** Taxa with few, poorly known populations on threatened lands.  
**P 2:** Taxa with few, poorly known populations on conservation lands.

**CE:** Critically Endangered

**Mig:** Species listed under the JAMBA, CAMBA, ROKAMBA and Bonn Convention

These status criteria have been set by the *Environmental Protection and Biodiversity Conservation Act 1999*.

**S1:** Schedule 1 Rare or likely to become extinct

**S2** - Extinct

**S3** - Protected under International agreements

**S4** - Other specially protected fauna  
This status criterion has been set by the *Wildlife Conservation Act 1950*.

**P 3:** Taxa with several, poorly known populations, some on conservation lands.

**P 4:** Taxa in need of monitoring.

**P 5:** Taxa in need of monitoring.

**S:** Specially protected

These status criteria have been set by the WA Department of Environment and Conservation.

## References

- Bush B, Maryan B, Browne-Cooper R, Robinson D. (2007) *Reptiles and Frogs in the Bush: Southwestern Australia*, University of Western Australia Press
- Cale, B. (2003) Carnaby's Black Cockatoo (*Calyptorhynchus latirostris*) Recovery Plan 2002-2012. Department of Conservation and Land Management, Perth.
- Department of Conservation and Land Management (CALM) (2003) *Dibbler Recovery Plan July 2003-June 2013*.
- Department of Environment and Conservation (DEC) (2010) *Fauna species profile*, accessed from <http://www.dec.wa.gov.au/content/view/3432/1999/> in 2010
- Department of Environment and Conservation (DEC) (2007) [www.naturebase.net](http://www.naturebase.net) Accessed July 2008.
- Department of Environment and Climate Change NSW (DECCW) (2010) *Threatened species, populations and ecological community of NSW profiles*, Accessed 2010
- Department of Parks and Wildlife (2014). *South Coast Threatened Birds Recovery Plan*. Department of Parks and Wildlife, Perth, Western Australia.
- Department of Sustainability, Environment, Water, Population and Communities (SEWPAC) (2012) *EPBC Act 1999 referral guidelines for three threatened black cockatoo species: Carnaby's cockatoo (endangered), Calyptorhynchus latirostris, Baudin's cockatoo (vulnerable), Calyptorhynchus baudinii, Forest red-tailed black cockatoo (vulnerable) Calyptorhynchus banksii naso*
- Jupp, T. (2000) 'The status of cockatoos in south-west Western Australia and conservation efforts by Perth Zoo', *Int. Zoo Yb.* 37: 80-86
- Menkhorst, P., and Knight, F., (2013) *A Field Guide to Mammals of Australia* 3<sup>rd</sup> Ed.
- Morcombe, M., (2011) *Birds of Australia eGuide*.
- Olsen, J., Fuentes, E. Dykstra, R. and Rose, A.B. (2006) 'Male Peregrine Falcon *Falco peregrinus* fledged from cliff-nest found breeding in stick-nest', *Australian Field Ornithology* 23: 8-14
- Orell, P. And Morris, K. (1994) *Chuditch Recovery Plan 1992-2001*, Department of Conservation and Land Management, WA
- Pizzey, G., Knight, F. & Menkhorst, F. (2007) *A field guide to the birds of Australia*, Sydney
- Schodde, R. and Tiedemann, S. C., Eds. (2007). *Readers Digest Complete Book of Australian Birds, 2nd edition, Readers' Digest* (Australia) Pty Ltd, NSW
- SPRAT (2009-2015) Species Profile and Threat Database, Department of the Environment, Water, Heritage and the Arts, Canberra website, <http://www.environment.gov.au/sprat>.
- Strahan, R. (1995) *The Mammals of Australia*, Strahan ed., Australian Museum/Reed Books.
- WA Museum (2010) *Carnaby's Cockatoo*, accessed online at <http://www.museum.wa.gov.au/explore/online-exhibitions/cockatoo-care/carnabys-cockatoo> in October 2010
- Wilson, S and Swan, G (2008) *A complete guide to reptiles of Australia*



## Appendix B Fauna list (updated)

SW Environmental (2015) refers to this report.

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AMPHIBIA	<i>Crinia georgiana</i>	Quacking frog	x	x	x	x		x (heard)
AMPHIBIA	<i>Crinia pseudinsignifera</i>	False Western Froglet			x			
AMPHIBIA	<i>Crinia subinsignifera</i>	Small Western Froglet			x			
AMPHIBIA	<i>Heleioporus eyrei</i>	Moaning Frog			x			
AMPHIBIA	<i>Limnodynastes dorsalis</i>	Western Banjo Frog			x	x		
AMPHIBIA	<i>Litoria adelaidensis</i>	Slender Tree Frog			x	x		
AMPHIBIA	<i>Litoria cyclorhyncha</i>	Spotted-thighed tree frog	x	x	x	x		x
AMPHIBIA	<i>Neobatrachus pelobatoides</i>	Humming Frog			x			
AVES	<i>Acanthiza (Acanthiza) apicalis</i>	Inland Thornbill	x	x				x
AVES	<i>Acanthiza (Geobasileus) chrysorrhoa</i>	Yellow-rumped Thornbill	x	x				
AVES	<i>Acanthiza (Geobasileus) pusilla</i>	Brown Thornbill		x				
AVES	<i>Acanthorhynchus superciliosus</i>	Western Spinebill	x	x	x		x	
AVES	<i>Accipiter (Leucospiza) fasciatus</i>	Brown Goshawk	x	x				
AVES	<i>Anas (Anas) superciliosa</i>	Pacific Black Duck		x				
AVES	<i>Anas (Nettion) gracilis</i>	Grey Teal	x	x				
AVES	<i>Anas castanea</i>	Chestnut Teal	x					
AVES	<i>Anas rhynchotis</i>	Australasian Shoveler	x					
AVES	<i>Anas superciliosa</i>	Pacific Black Duck	x					
AVES	<i>Anhinga novaehollandiae</i>	Australasian Darter		x				
AVES	<i>Anthochaera (Anellobia) lunulata</i>	Western Wattlebird	x	x	x		x	x
AVES	<i>Anthochaera (Anthochaera) carunculata</i>	Red Wattlebird	x	x			x	x
AVES	<i>Anthus (Anthus) novaeseelandiae</i>	Australasian Pipit		x				
AVES	<i>Aquila (Uroaetus) audax</i>	Wedge-tailed Eagle	x	x				
AVES	<i>Ardea (Ardea) pacifica</i>	White-necked Heron	x	x				
AVES	<i>Ardea modesta</i>	Eastern Great Egret	x					
AVES	<i>Ardeotis australis</i>	Australian Bustard	x					
AVES	<i>Arenaria interpres</i>	Ruddy Turnstone	x					
AVES	<i>Artamus (Angroyan) cinereus</i>	Black-faced Woodswallow	x	x				
AVES	<i>Artamus (Angroyan) cyanopterus</i>	Dusky Woodswallow	x	x				
AVES	<i>Artamus (Campbellornis) personatus</i>	Masked Woodswallow					x	

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AVES	<i>Barnardius zonarius</i>	Australian Ringneck		x				
AVES	<i>Biziura lobata</i>	Musk Duck	x	x				
AVES	<i>Cacomantis (Vidgenia) flabelliformis</i>	Fan-tailed Cuckoo	x	x				x
AVES	<i>Cacomantis (Vidgenia) pallidus</i>	Pallid Cuckoo	x	x				
AVES	<i>Calamanthus (Calamanthus) campestris</i>	Rufous Fieldwren	x	x				
AVES	<i>Calidris (Ereunetes) ruficollis</i>	Red-necked Stint	x	x				
AVES	<i>Calidris acuminata</i>	Sharp-tailed Sandpiper	x					
AVES	<i>Calyptorhynchus latirostris</i>	Carnaby's Cockatoo	x					
AVES	<i>Cereopsis novaehollandiae</i>	Cape Barren Goose	x		x			
AVES	<i>Charadrius (Charadrius) ruficapillus</i>	Red-capped Plover	x	x	x			
AVES	<i>Charadrius rubricollis</i>	Hooded Plover	x					
AVES	<i>Chenonetta jubata</i>	Australian Wood Duck	x	x				
AVES	<i>Chroicocephalus novaehollandiae</i>	Silver Gull		x			x	
AVES	<i>Chrysococcyx basalis</i>	Horsfield's Bronze-cuckoo		x			x	
AVES	<i>Chrysococcyx lucidus</i>	Shining Bronze-cuckoo		x				
AVES	<i>Cincloramphus (Cincloramphus) cruralis</i>	Brown Songlark		x				
AVES	<i>Circus approximans</i>	Swamp Harrier	x	x				
AVES	<i>Circus assimilis</i>	Spotted Harrier	x	x				
AVES	<i>Colluricincla (Colluricincla) harmonica</i>	Grey Shrike-thrush	x	x				
AVES	<i>Coracina (Coracina) novaehollandiae</i>	Black-faced Cuckoo-shrike	x	x				x
AVES	<i>Corvus bennetti</i>	Little Crow		x				
AVES	<i>Corvus coronoides</i>	Australian Raven	x	x			x	x
AVES	<i>Coturnix pectoralis</i>	Stubble Quail	x					
AVES	<i>Coturnix ypsilophora</i>	Brown Quail	x					
AVES	<i>Cracticus tibicen</i>	Australian Magpie	x	x	x			
AVES	<i>Cracticus torquatus</i>	Grey Butcherbird	x	x				
AVES	<i>Cygnus (Chenopsis) atratus</i>	Black Swan	x	x				
AVES	<i>Dromaius novaehollandiae</i>	Emu	x	x				x
AVES	<i>Egretta garzetta</i>	Little Egret		x				
AVES	<i>Egretta novaehollandiae</i>	White-faced Heron		x				
AVES	<i>Elanus axillaris</i>	Black-shouldered Kite		x				

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AVES	<i>Elseyornis melanops</i>	Black-fronted Dotterel		x				
AVES	<i>Eopsaltria (Eopsaltria) griseogularis</i>	Western Yellow Robin		x				
AVES	<i>Epthianura (Epthianura) albifrons</i>	White-fronted Chat	x	x				
AVES	<i>Esacus magnirostris</i>	Beach Stone-curlew		x				
AVES	<i>Eudyptes pachyrhynchus</i>	Fiordland crested penguin			x			
AVES	<i>Eudyptula minor novaehollandiae</i>	Little Penguin			x			
AVES	<i>Eurostopodus (Eurostopodus) argus</i>	Spotted Nightjar	x	x				
AVES	<i>Falco (Falco) longipennis</i>	Australian Hobby	x	x				
AVES	<i>Falco (Ieracidea) berigora</i>	Brown Falcon	x	x				
AVES	<i>Falco (Tinnunculus) cenchroides</i>	Nankeen Kestrel	x	x				
AVES	<i>Falco hypoleucos</i>	Grey Falcon	x					
AVES	<i>Falco peregrinus</i>	Peregrine Falcon	x					
AVES	<i>Fulica atra</i>	Eurasian Coot	x	x				
AVES	<i>Gavicalis virescens</i>	Singing Honeyeater		x	x		x	
AVES	<i>Gliciphila melanops</i>	Tawny-crowned Honeyeater		x				
AVES	<i>Glossopsitta porphyrocephala</i>	Purple-crowned Lorikeet	x	x	x			
AVES	<i>Grallina cyanoleuca</i>	Maggie-lark	x	x				x
AVES	<i>Haematopus fuliginosus</i>	Sooty Oystercatcher	x	x				
AVES	<i>Haematopus longirostris</i>	Australian Pied Oystercatcher	x	x				
AVES	<i>Haliaeetus (Pontoaetus) leucogaster</i>	White-bellied Sea-eagle	x	x				
AVES	<i>Hieraaetus (Hieraaetus) morphnoides</i>	Little Eagle		x				
AVES	<i>Himantopus himantopus</i>	Black-winged Stilt	x	x				
AVES	<i>Hirundo (Hirundo) neoxena</i>	Welcome Swallow	x	x			x	x
AVES	<i>Larus (Larus) dominicanus</i>	Kelp Gull					x	
AVES	<i>Larus (Larus) pacificus</i>	Pacific Gull	x	x				
AVES	<i>Leucophaeus atricilla</i>	Laughing Gull		x				
AVES	<i>Lichenostomus cratitius</i>	Purple-gaped Honeyeater	x	x				
AVES	<i>Lichenostomus leucotis</i>	White-eared Honeyeater		x				
AVES	<i>Lichmera (Lichmera) indistincta</i>	Brown Honeyeater	x	x				
AVES	<i>Limosa lapponica</i>	Bar-tailed Godwit	x					
AVES	<i>Malacorhynchus membranaceus</i>	Pink-eared Duck	x					
AVES	<i>Malurus (Leggeornis) pulcherrimus</i>	Blue-breasted Fairy-wren	x	x				

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AVES	<i>Manorina (Myzantha) flavigula</i>	Yellow-throated Miner	x	x	x			
AVES	<i>Megalurus gramineus</i>	Little Grassbird		x				
AVES	<i>Melanodryas (Melanodryas) cucullata</i>	Hooded Robin		x				
AVES	<i>Melithreptus (Eidopsarus) brevirostris</i>	Brown-headed Honeyeater	x	x				
AVES	<i>Melithreptus (Melithreptus) lunatus</i>	White-naped Honeyeater		x				
AVES	<i>Merops (Merops) ornatus</i>	Rainbow Bee-eater		x				
AVES	<i>Microcarbo melanoleucos</i>	Little Pied Cormorant		x				
AVES	<i>Morus serrator</i>	Australasian Gannet		x				
AVES	<i>Myiagra inquieta</i>	Restless Flycatcher	x					
AVES	<i>Neophema (Neonanodes) elegans</i>	Elegant Parrot		x				
AVES	<i>Neophema (Neonanodes) petrophila</i>	Rock Parrot	x	x				
AVES	<i>Ninox (Ninox) novaeseelandiae</i>	Southern Boobook	x	x				
AVES	<i>Nycticorax caledonicus</i>	Nankeen Night-heron		x				
AVES	<i>Nycticorax caledonicus hilli</i>	Rufous Night-heron			x			
AVES	<i>Ocyphaps lophotes</i>	Crested Pigeon	x	x				x
AVES	<i>Oreoica gutturalis</i>	Crested Bellbird	x	x				
AVES	<i>Oxyura australis</i>	Blue-billed Duck		x				
AVES	<i>Pachycephala (Alisterornis) rufiventris</i>	Rufous Whistler	x	x				
AVES	<i>Pachycephala (Pachycephala) pectoralis</i>	Golden Whistler	x	x				
AVES	<i>Pardalotus (Pardalotinus) striatus</i>	Striated Pardalote	x	x				
AVES	<i>Pardalotus (Pardalotus) punctatus</i>	Spotted Pardalote	x	x				
AVES	<i>Pardalotus punctatus subsp. xanthopyge</i>	Yellow-rumped Pardalote	x					
AVES	<i>Pelagodroma marina</i>	White-faced Storm-petrel		x				
AVES	<i>Pelecanus conspicillatus</i>	Australian Pelican	x	x				
AVES	<i>Petrochelidon (Hylochelidon) nigricans</i>	Tree Martin		x				
AVES	<i>Petrochelidon ariel</i>	Fairy Martin		x				
AVES	<i>Petroica (Petroica) boodang</i>	Scarlet Robin		x				
AVES	<i>Pezoporus wallicus</i>	Ground Parrot	x	x				
AVES	<i>Phalacrocorax (Anacarro) fuscescens</i>	Black-faced Cormorant	x	x				
AVES	<i>Phalacrocorax (Phalacrocorax) carbo</i>	Great Cormorant	x	x				

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AVES	<i>Phalacrocorax (Phalacrocorax) sulcirostris</i>	Little Black Cormorant	x	x				
AVES	<i>Phalacrocorax (Phalacrocorax) varius</i>	Pied Cormorant	x	x				
AVES	<i>Phaps (Phaps) chalcoptera</i>	Common Bronzewing	x	x			x	x
AVES	<i>Phaps (Phaps) elegans</i>	Brush Bronzewing	x	x				x
AVES	<i>Phylidonyris (Meliornis) niger</i>	White-cheeked Honeyeater		x				
AVES	<i>Phylidonyris (Meliornis) novaehollandiae</i>	New Holland Honeyeater	x	x			x	x
AVES	<i>Pluvialis fulva</i>	Pacific Golden Plover	x					
AVES	<i>Pluvialis squatarola</i>	Grey Plover	x					
AVES	<i>Podargus strigoides</i>	Tawny Frogmouth	x	x				
AVES	<i>Podiceps cristatus</i>	Great Crested Grebe	x	x				
AVES	<i>Poliocephalus poliocephalus</i>	Hoary-headed Grebe	x	x				
AVES	<i>Porphyrio (Porphyrio) porphyrio</i>	Purple Swamphen		x				
AVES	<i>Porzana (Porzana) tabuensis</i>	Spotless Crake		x				
AVES	<i>Porzana fluminea</i>	Australian Crake	x	x	x			
AVES	<i>Pterodroma macroptera macoptera</i>	Grey-faced petrel			x			
AVES	<i>Puffinus assimilis assimilis</i>	Little Shearwater			x			
AVES	<i>Puffinus tenuirostris</i>	Short-tailed Shearwater	x					
AVES	<i>Purnella albifrons</i>	White-fronted Honeyeater		x				
AVES	<i>Rhipidura (Rhipidura) albiscapa</i>	Grey Fantail		x			x	
AVES	<i>Rhipidura (Sauloprocta) leucophrys</i>	Willie Wagtail	x	x			x	
AVES	<i>Sericornis frontalis maculatus</i>	White-browed scrubwren	x	x	x		x	
AVES	<i>Smicronis brevirostris</i>	Weebill	x	x				x
AVES	<i>Stagonopleura (Zonaeginthus) oculata</i>	Red-eared Firetail	x	x			x	
AVES	<i>Sternula nereis</i>	Fairy Tern		x				
AVES	<i>Stipiturus malachurus</i>	Southern Emu-wren	x	x				
AVES	<i>Strepera (Neostrepera) versicolor</i>	Grey Currawong	x	x				
AVES	<i>Streptopelia (Spilopelia) senegalensis</i>	Laughing Dove		x				
AVES	<i>Sturnus vulgaris</i>	European Starling			x			
AVES	<i>Tachybaptus novaehollandiae</i>	Australasian Grebe		x				
AVES	<i>Tadorna (Casarca) tadornoides</i>	Australian Shelduck	x	x				
AVES	<i>Taeniopygia guttata</i>	Zebra Finch		x				

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
AVES	<i>Thalasseus bergii</i>	Crested Tern		x				
AVES	<i>Thinornis rubricollis</i>	Hooded Plover			x			
AVES	<i>Threskiornis molucca</i>	Australian White Ibis	x					
AVES	<i>Threskiornis spinicollis</i>	Straw-necked Ibis	x					
AVES	<i>Todiramphus (Todiramphus) sanctus</i>	Sacred Kingfisher	x	x			x	
AVES	<i>Tribonyx ventralis</i>	Black-tailed Native-hen		x				
AVES	<i>Tringa (Heteroscelus) brevipes</i>	Grey-tailed Tattler			x			
AVES	<i>Tringa nebularia</i>	Common Greenshank	x					
AVES	<i>Tyto (Tyto) javanica</i>	Eastern Barn Owl		x				
AVES	<i>Vanellus miles</i>	Masked Lapwing	x					
AVES	<i>Vanellus tricolor</i>	Banded Lapwing	x					
AVES	<i>Zosterops lateralis</i>	Silvereye	x	x	x		x	
MAMMALIA	<i>Cercartetus concinnus</i>	Western Pygmy-possum			x			
MAMMALIA	<i>Chalinolobus gouldii</i>	Gould's Wattle Bat	x	x				
MAMMALIA	<i>Dasyurus geoffroii</i>	Chuditch	x					
MAMMALIA	<i>Felix catus</i>	Cat *						x tracks
MAMMALIA	<i>Isodon obesulus fusciventer</i>	Southern brown bandicoot			x			x diggings?
MAMMALIA	<i>Macropus eugenii</i>	Tammar Wallaby	x	x				
MAMMALIA	<i>Macropus fuliginosus</i>	Western Grey Kangaroo			x	x	x	x
MAMMALIA	<i>Macropus irma</i>	Western Brush Wallaby						
MAMMALIA	<i>Mus musculus</i>	House Mouse *	x	x	x	x		
MAMMALIA	<i>Oryctolagus cuniculus</i>	Rabbit *			x		x	x scat diggings
MAMMALIA	<i>Petrogale lateralis subsp. hacketti</i>	Recherche Black-footed Rock-wallaby	x					
MAMMALIA	<i>Pseudomys albocinereus</i>	Ash-grey Mouse			x			
MAMMALIA	<i>Rattus fuscipes</i>	Bush Rat	x	x	x	x		
MAMMALIA	<i>Sminthopsis crassicaudat</i>	Fat-tailed Dunnart						
MAMMALIA	<i>Sminthopsis griseoventer</i>	Gray-bellied Dunnart			x	x		
MAMMALIA	<i>Tachyglossus aculeatus</i>	Short-beaked Echidna				x		x scat
MAMMALIA	<i>Tarsipes rostratus</i>	Honey Possum			x	x		
MAMMALIA	<i>Vulpes vulpes</i>	Fox *			x		x	x tracks
REPTILIA	<i>Acritoscincus trilineatus</i>	Southwestern Cool Skink			x	x		x

Class	Species Name	Vernacular Name	Naturemap (2015)	ALA (2015)	CLG (2014)	Cowan (2011)	SW Environmental (2014)	SW Environmental (2015)
REPTILIA	<i>Aprasia striolata</i>	Lined Worm-lizard			x			
REPTILIA	<i>Caretta caretta</i>	Loggerhead Turtle			x			
REPTILIA	<i>Christinus marmoratus</i>	Marbled Gecko	x	x	x	x		
REPTILIA	<i>Cryptoblepharus virgatus clarus</i>	Fence skink			x		x	
REPTILIA	<i>Ctenophorus chapmani</i>	Southern Heath Dragon	x	x				
REPTILIA	<i>Ctenophorus ornatus</i>	Ornate Crevice-dragon			x	x	x	
REPTILIA	<i>Ctenotus catenifer</i>	Chain-striped South-west Ctenotus	x	x	x	x		
REPTILIA	<i>Ctenotus gemmula</i>	Jewelled Sandplain Ctenotus			x	x		
REPTILIA	<i>Ctenotus labillardieri</i>	Common South-west Ctenotus	x	x	x	x		
REPTILIA	<i>Ctenotus schomburgkii</i>	Barred wedgesnout ctenotus	x					
REPTILIA	<i>Delma australis</i>	Marble-faced Delma	x	x	x	x		
REPTILIA	<i>Delma fraseri</i>	Fraser's Legless Lizard	x					
REPTILIA	<i>Echiopsis curta</i>	Bardick			x			
REPTILIA	<i>Egernia kingii</i>	King's Skink			x	x		
REPTILIA	<i>Egernia multiscutata bos</i>	Heath Skink			x		x	
REPTILIA	<i>Egernia napoleonis</i>	South-western Crevice-skink	x		x			
REPTILIA	<i>Elapognathus coronatus</i>	Western Crowned Snake			x	x		
REPTILIA	<i>Heleioporus psammophilus</i>	Sand Frog			x			
REPTILIA	<i>Hemiergis peronii peronii</i>	Four-toed Earless Skink			x	x		
REPTILIA	<i>Lerista distinguenda</i>	South-western Orange-tailed Slider	x	x	x	x		
REPTILIA	<i>Lerista microtis intermedia</i>	South-western slider			x	x		
REPTILIA	<i>Menetia greyii</i>	Common Dwarf Skink			x			
REPTILIA	<i>Morelia spilota imbricata</i>	South-western Carpet Python			x			
REPTILIA	<i>Morethia obscura</i>	Shrubland Morethia Skink			x	x		
REPTILIA	<i>Notechis scutatus</i>	Tiger Snake			x			
REPTILIA	<i>Pelamis platura</i>	Yellow-bellied Sea Snake			x			
REPTILIA	<i>Pogona minor</i>	Dwarf Bearded Dragon	x	x	x			
REPTILIA	<i>Pseudonaja affinis</i>	Dugite	x	x				
REPTILIA	<i>Pygopus lepidopodus</i>	Common Scaly-foot			x	x		
REPTILIA	<i>Ramphotyphlops australis</i>	Southern Blind Snake		x	x			



<b>Class</b>	<b>Species Name</b>	<b>Vernacular Name</b>	<b>Naturemap (2015)</b>	<b>ALA (2015)</b>	<b>CLG (2014)</b>	<b>Cowan (2011)</b>	<b>SW Environmental (2014)</b>	<b>SW Environmental (2015)</b>
REPTILIA	<i>Rankinia adelaidensis chapmani</i>	Western Heath Dragon			x		x	
REPTILIA	<i>Rhinoplocephalus bicolor</i>	Square-nosed Snake	x	x	x			
REPTILIA	<i>Strophurus spinigerus</i>	South-west Spiny-tailed Gecko		x				
REPTILIA	<i>Strophurus spinigerus inornatus</i>	Soft Spiny-tailed Gecko	x		x			
REPTILIA	<i>Tiliqua occipitalis</i>	Western Blue-tongue			x			
REPTILIA	<i>Tiliqua rugosa rugosa</i>	Shingleback	x	x	x	x	x	
REPTILIA	<i>Underwoodisaurus milii</i>	Barking gecko			x	x		
REPTILIA	<i>Varanus rosenbergi</i>	Heath Monitor			x	x	x	

## Appendix C Database Searches



# 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: 07/08/15 15:28:24

[Summary](#)

[Details](#)

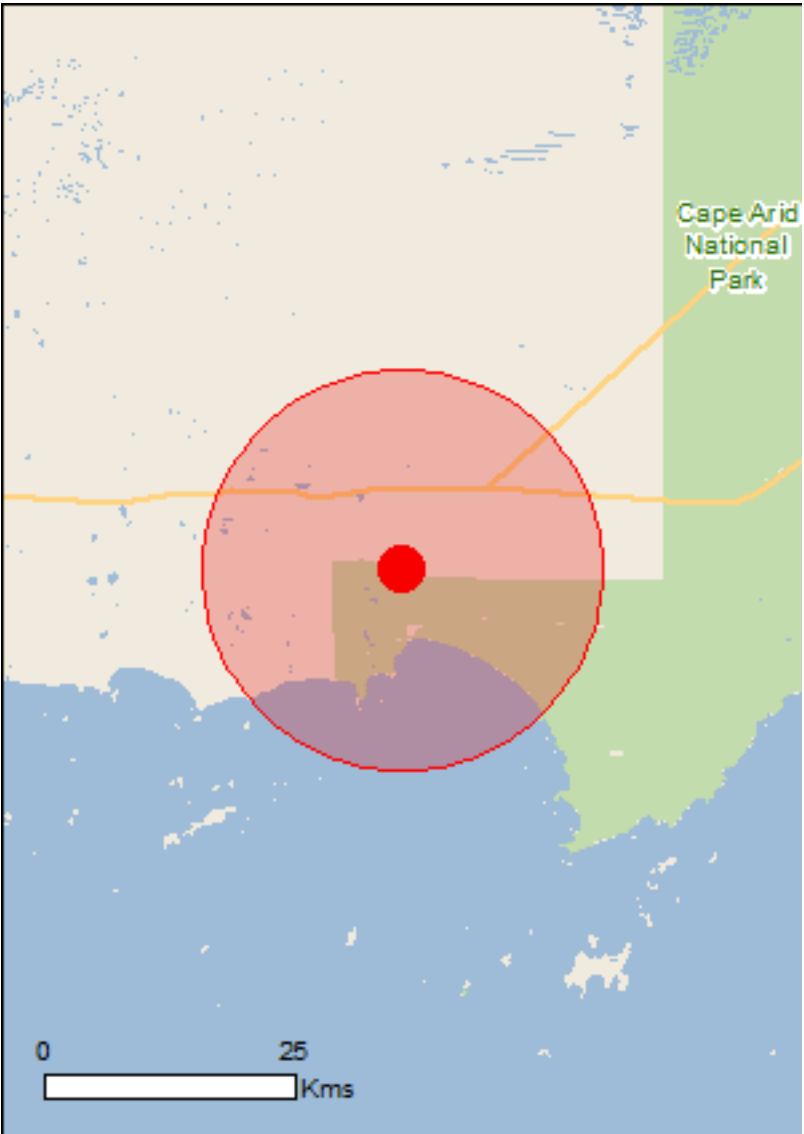
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



This map may contain data which are  
©Commonwealth of Australia  
(Geoscience Australia), ©PSMA 2010

[Coordinates](#)

[Buffer: 20.0Km](#)



# 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>	None
<a href="#">National Heritage Places:</a>	None
<a href="#">Wetlands of International Importance:</a>	None
<a href="#">Great Barrier Reef Marine Park:</a>	None
<a href="#">Commonwealth Marine Area:</a>	None
<a href="#">Listed Threatened Ecological Communities:</a>	1
<a href="#">Listed Threatened Species:</a>	36
<a href="#">Listed Migratory Species:</a>	37

## Other Matters Protected by the EPBC Act

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

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

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>	None
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	61
<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>	3
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Invasive Species:</a>	9
<a href="#">Nationally Important Wetlands:</a>	None
<a href="#">Key Ecological Features (Marine)</a>	None

# Details

## Matters of National Environmental Significance

Listed Threatened Ecological Communities

[ Resource Information ]

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

Name	Status	Type of Presence
<a href="#">Proteaceae Dominated Kwongkan Shrublands of the Southeast Coastal Floristic Province of Western Australia</a>	Endangered	Community likely to occur within area

Listed Threatened Species

[ Resource Information ]

Name	Status	Type of Presence
Birds		

<a href="#">Botaurus poiciloptilus</a> Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
<a href="#">Calyptorhynchus latirostris</a> Carnaby's Black-Cockatoo, Short-billed Black-Cockatoo [59523]	Endangered	Species or species habitat likely to occur within area
<a href="#">Cereopsis novaehollandiae grisea</a> Cape Barren Goose (south-western), Recherche Cape Barren Goose [25978]	Vulnerable	Breeding known to occur within area
<a href="#">Diomedea epomophora epomophora</a> Southern Royal Albatross [25996]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea epomophora sanfordi</a> Northern Royal Albatross [82331]	Endangered	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans antipodensis</a> Antipodean Albatross [82269]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans exulans</a> Tristan Albatross [82337]	Endangered	Species or species habitat may occur within area
<a href="#">Diomedea exulans (sensu lato)</a> Wandering Albatross [1073]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Halobaena caerulea</a> Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
<a href="#">Leipoa ocellata</a> Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within

Name	Status	Type of Presence
area		
<a href="#">Macronectes halli</a> Northern Giant-Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Pezoporus flaviventris</a> Western Ground Parrot, Kyloring [84650]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Pterodroma mollis</a> Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sternula nereis nereis</a> Australian Fairy Tern [82950]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Thalassarche cauta cauta</a> Shy Albatross, Tasmanian Shy Albatross [82345]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche cauta steadi</a> White-capped Albatross [82344]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris impavida</a> Campbell Albatross [82449]	Vulnerable	Species or species habitat may occur within area
Mammals		
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Dasyurus geoffroii</a> Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Breeding known to occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Neophoca cinerea</a> Australian Sea-lion [22]	Vulnerable	Breeding known to occur within area
<a href="#">Parantechinus apicalis</a> Dibbler [313]	Endangered	Species or species habitat likely to occur within area
Plants		
<a href="#">Anigozanthos bicolor subsp. minor</a> Little Kangaroo Paw, Two-coloured Kangaroo Paw, Small Two-colour Kangaroo Paw [21241]	Endangered	Species or species habitat likely to occur within area
<a href="#">Centrolepis caespitosa</a> [6393]	Endangered	Species or species habitat may occur within area
<a href="#">Eremophila denticulata subsp. trisulcata</a> Cumquat Eremophila [64570]	Endangered	Species or species habitat likely to occur within area



Name	Status	Type of Presence
<a href="#">Lambertia echinata subsp. echinata</a> Prickly Honeysuckle [56729]	Endangered	Species or species habitat likely to occur within area
<a href="#">Ricinocarpos trichophorus</a> Barrens Wedding Bush [19931]	Endangered	Species or species habitat likely to occur within area
Reptiles		
<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 likely to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Sharks		
<a href="#">Carcharodon carcharias</a> Great White Shark [64470]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Listed Migratory Species		[ <a href="#">Resource Information</a> ]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Diomedea antipodensis</a> Antipodean Albatross [64458]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea dabbenena</a> Tristan Albatross [66471]	Endangered*	Species or species habitat may occur within area
<a href="#">Diomedea epomophora (sensu stricto)</a> Southern Royal Albatross [1072]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea exulans (sensu lato)</a> Wandering Albatross [1073]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea sanfordi</a> Northern Royal Albatross [64456]	Endangered*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant-Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Onychoprion anaethetus</a> Bridled Tern [82845]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Puffinus carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Breeding known to occur within area

Name	Threatened	Type of Presence
<a href="#">Puffinus tenuirostris</a> Short-tailed Shearwater [1029]		Breeding known to occur within area
<a href="#">Sterna caspia</a> Caspian Tern [59467]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Thalassarche cauta (sensu stricto)</a> Shy Albatross, Tasmanian Shy Albatross [64697]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
Migratory Marine Species		
<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="#">Caperea marginata</a> Pygmy Right Whale [39]		Species or species habitat may occur within area
<a href="#">Carcharodon carcharias</a> Great White Shark [64470]	Vulnerable	Foraging, feeding or related behaviour known to 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 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="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Breeding known to occur within area
<a href="#">Lagenorhynchus obscurus</a> Dusky Dolphin [43]		Species or species habitat may occur within area
<a href="#">Lamna nasus</a> Porbeagle, Mackerel Shark [83288]		Species or species habitat likely to occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area



Name	Threatened	Type of Presence
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
Migratory Terrestrial Species		
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
Migratory Wetlands Species		
<a href="#">Ardea alba</a> Great Egret, White Egret [59541]		Species or species habitat known to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Species or species habitat 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="#">Numenius minutus</a> Little Curlew, Little Whimbrel [848]		Roosting likely to occur within area
<a href="#">Pandion cristatus</a> Eastern Osprey [82411]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species		[ <a href="#">Resource Information</a> ]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Birds		
<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]		Species or species habitat known to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Species or species habitat may occur within area
<a href="#">Catharacta skua</a> Great Skua [59472]		Species or species habitat may occur within area
<a href="#">Cereopsis novaehollandiae grisea</a> Cape Barren Goose (south-western), Recherche Cape Barren Goose [25978]	Vulnerable	Breeding known to occur within area
<a href="#">Diomedea antipodensis</a> Antipodean Albatross [64458]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea dabbenena</a> Tristan Albatross [66471]	Endangered*	Species or species habitat may occur within area
<a href="#">Diomedea epomophora (sensu stricto)</a> Southern Royal Albatross [1072]	Vulnerable*	Foraging, feeding or related behaviour likely

Name	Threatened	Type of Presence
		to occur within area
<a href="#">Diomedea exulans (sensu lato)</a> Wandering Albatross [1073]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Diomedea sanfordi</a> Northern Royal Albatross [64456]	Endangered*	Foraging, feeding or related behaviour likely to 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="#">Halobaena caerulea</a> Blue Petrel [1059]	Vulnerable	Species or species habitat may occur within area
<a href="#">Larus pacificus</a> Pacific Gull [811]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant-Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<a href="#">Numenius minutus</a> Little Curlew, Little Whimbrel [848]		Roosting likely to occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Species or species habitat likely to occur within area
<a href="#">Phalacrocorax fuscescens</a> Black-faced Cormorant [59660]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Pterodroma macroptera</a> Great-winged Petrel [1035]		Breeding likely to occur within area
<a href="#">Pterodroma mollis</a> Soft-plumaged Petrel [1036]	Vulnerable	Species or species habitat may occur within area
<a href="#">Puffinus assimilis</a> Little Shearwater [59363]		Foraging, feeding or related behaviour known to occur within area
<a href="#">Puffinus carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Breeding known to occur within area
<a href="#">Puffinus tenuirostris</a> Short-tailed Shearwater [1029]		Breeding known to occur within area
<a href="#">Recurvirostra novaehollandiae</a> Red-necked Avocet [871]		Roosting known to occur within area
<a href="#">Sterna anaethetus</a> Bridled Tern [814]		Foraging, feeding or related behaviour likely

Name	Threatened	Type of Presence
<a href="#">Sterna caspia</a> Caspian Tern [59467]		to occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Thalassarche cauta (sensu stricto)</a> Shy Albatross, Tasmanian Shy Albatross [64697]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross [64459]	Vulnerable*	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable*	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Thinornis rubricollis</a> Hooded Plover [59510]		Breeding known to occur within area
Fish		
<a href="#">Acentronura australe</a> Southern Pygmy Pipehorse [66185]		Species or species habitat may occur within area
<a href="#">Campichthys galei</a> Gale's Pipefish [66191]		Species or species habitat may occur within area
<a href="#">Heraldia nocturna</a> Upside-down Pipefish, Eastern Upside-down Pipefish, Eastern Upside-down Pipefish [66227]		Species or species habitat may occur within area
<a href="#">Hippocampus breviceps</a> Short-head Seahorse, Short-snouted Seahorse [66235]		Species or species habitat may occur within area
<a href="#">Histiogamphelus cristatus</a> Rhino Pipefish, Macleay's Crested Pipefish, Ring-back Pipefish [66243]		Species or species habitat may occur within area
<a href="#">Leptoichthys fistularius</a> Brushtail Pipefish [66248]		Species or species habitat may occur within area
<a href="#">Lissocampus caudalis</a> Australian Smooth Pipefish, Smooth Pipefish [66249]		Species or species habitat may occur within area
<a href="#">Lissocampus runa</a> Javelin Pipefish [66251]		Species or species habitat may occur within area
<a href="#">Maroubra perserrata</a> Sawtooth Pipefish [66252]		Species or species habitat may occur within area
<a href="#">Nannocampus subosseus</a> Bonyhead Pipefish, Bony-headed Pipefish [66264]		Species or species habitat may occur within area
<a href="#">Notiocampus ruber</a> Red Pipefish [66265]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Phycodurus eques</a> Leafy Seadragon [66267]		Species or species habitat may occur within area
<a href="#">Phyllopteryx taeniolatus</a> Common Seadragon, Weedy Seadragon [66268]		Species or species habitat may occur within area
<a href="#">Pugnaso curtirostris</a> Pugnose Pipefish, Pug-nosed Pipefish [66269]		Species or species habitat may occur within area
<a href="#">Solegnathus lettiensis</a> Gunther's Pipehorse, Indonesian Pipefish [66273]		Species or species habitat may occur within area
<a href="#">Stigmatopora argus</a> Spotted Pipefish, Gulf Pipefish [66276]		Species or species habitat may occur within area
<a href="#">Stigmatopora nigra</a> Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area
<a href="#">Urocampus carinirostris</a> Hairy Pipefish [66282]		Species or species habitat may occur within area
<a href="#">Vanacampus margaritifer</a> Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area
<a href="#">Vanacampus phillipi</a> Port Phillip Pipefish [66284]		Species or species habitat may occur within area
<a href="#">Vanacampus poecilolaemus</a> Longsnout Pipefish, Australian Long-snout Pipefish, Long-snouted Pipefish [66285]		Species or species habitat may occur within area
Mammals		
<a href="#">Arctocephalus forsteri</a> Long-nosed Fur-seal, New Zealand Fur-seal [20]		Species or species habitat may occur within area
<a href="#">Neophoca cinerea</a> Australian Sea-lion [22]	Vulnerable	Breeding known to occur within area
Reptiles		
<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 likely to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
Whales and other Cetaceans		[ Resource Information ]
Name	Status	Type of Presence
Mammals		
<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

Name	Status	Type of Presence
<a href="#">Caperea marginata</a> Pygmy Right Whale [39]	Endangered	habitat may occur within area
<a href="#">Delphinus delphis</a> Common Dophin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]		Breeding known to occur within area
<a href="#">Grampus griseus</a> Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
<a href="#">Lagenorhynchus obscurus</a> Dusky Dolphin [43]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		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

State and Territory Reserves	[ Resource Information ]
Name	State
Bebenorin	WA
Cape Arid	WA
Recherche Archipelago	WA

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 Resouces Audit, 2001.	

Name	Status	Type of Presence
Birds		
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area



Name	Status	Type of Presence
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Feral deer Feral deer species in Australia [85733]		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
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area

Plants		
Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]		Species or species habitat likely to occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area

# 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

-33.80494 123.01131

# 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:

- [Department of Environment, Climate Change and Water, New South Wales](#)
- [Department of Sustainability and Environment, Victoria](#)
- [Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [Department of Environment and Natural Resources, South Australia](#)
- [Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts](#)
- [Environmental and Resource Management, Queensland](#)
- [Department of Environment and Conservation, Western Australia](#)
- [Department of the Environment, Climate Change, Energy and Water](#)
- [Birds Australia](#)
- [Australian Bird and Bat Banding Scheme](#)
- [Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [Museum Victoria](#)
- [Australian Museum](#)
- [SA 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](#)
- [State Forests of 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.



# NatureMap Species Report

Created By Guest user on 07/08/2015

**Kingdom** Animalia  
**Current Names Only** Yes  
**Core Datasets Only** Yes  
**Method** 'By Circle'  
**Centre** 123°01' 38" E, 33°48' 27" S  
**Buffer** 20km  
**Group By** Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	224	1365
Other specially protected fauna	2	6
Priority 4	2	9
Priority 5	1	1
Protected under international agreement	13	57
Rare or likely to become extinct	10	38
<b>TOTAL</b>	<b>252</b>	<b>1476</b>

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
<b>Rare or likely to become extinct</b>				
1.	24790 <i>Calidris tenuirostris</i> (Great Knot)		T	
2.	24734 <i>Calyptorhynchus latirostris</i> (Carnaby's Cockatoo (short-billed black-cockatoo), Carnaby's Cockatoo)		T	
3.	24320 <i>Cereopsis novaehollandiae</i> subsp. <i>grisea</i> (Recherche Cape Barren Goose, Cape Barren Goose)		T	
4.	24092 <i>Dasyurus geoffroii</i> (Chuditch, Western Quoll)		T	
5.	24043 <i>Eubalaena australis</i> (Southern Right Whale)		T	
6.	24473 <i>Falco hypoleucos</i> (Grey Falcon)		T	
7.	24143 <i>Petrogale lateralis</i> subsp. <i>hacketti</i> (Recherche Black-footed Rock-wallaby)		T	
8.	41348 <i>Pezoporus flaviventris</i> (Western Ground Parrot)		T	
9.	25719 <i>Pezoporus wallicus</i> (Ground Parrot)		T	
10.	34136 <i>Thalassarche chrysostoma</i> (Grey-headed Albatross)		T	
<b>Protected under international agreement</b>				
11.	41323 <i>Actitis hypoleucos</i> (Common Sandpiper)		IA	
12.	25554 <i>Apus pacificus</i> (Fork-tailed Swift)		IA	
13.	41324 <i>Ardea modesta</i> (Eastern Great Egret)		IA	
14.	25736 <i>Arenaria interpres</i> (Ruddy Turnstone)		IA	
15.	24779 <i>Calidris acuminata</i> (Sharp-tailed Sandpiper)		IA	
16.	24780 <i>Calidris alba</i> (Sanderling)		IA	
17.	24788 <i>Calidris ruficollis</i> (Red-necked Stint)		IA	
18.	24293 <i>Haliaeetus leucogaster</i> (White-bellied Sea-Eagle)		IA	
19.	30932 <i>Limosa lapponica</i> (Bar-tailed Godwit)		IA	
20.	24382 <i>Pluvialis fulva</i> (Pacific Golden Plover)		IA	
21.	24383 <i>Pluvialis squatarola</i> (Grey Plover)		IA	
22.	24717 <i>Puffinus tenuirostris</i> (Short-tailed Shearwater)		IA	
23.	24808 <i>Tringa nebularia</i> (Common Greenshank)		IA	
<b>Other specially protected fauna</b>				
24.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)		S	
25.	24210 <i>Neophoca cinerea</i> (Australian Sea Lion)		S	
<b>Priority 4</b>				
26.	24376 <i>Charadrius rubricollis</i> (Hooded Plover)		P4	
27.	24328 <i>Oxyura australis</i> (Blue-billed Duck)		P4	
<b>Priority 5</b>				
28.	24131 <i>Macropus eugenii</i> subsp. <i>derbianus</i> (Tammar Wallaby (WA subsp))		P5	
<b>Non-conservation taxon</b>				
29.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
30.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
31.	24560 <i>Acanthorhynchus superciliosus</i> (Western Spinebill)			

	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
32.	25536	<i>Accipiter fasciatus</i> (Brown Goshawk)			
33.		<i>Aedes</i> (Och.) ENM's sp nr <i>stricklandi</i> (SAP)			
34.		<i>Agraptocorixa hirtifrons</i>			
35.		<i>Alona</i> cf. <i>crassicauda</i> (SAP)			
36.		<i>Alonella</i> cf. <i>clathratula</i>			
37.	24310	<i>Anas castanea</i> (Chestnut Teal)			
38.	24312	<i>Anas gracilis</i> (Grey Teal)			
39.	24315	<i>Anas rhynchotis</i> (Australasian Shoveler)			
40.	24316	<i>Anas superciliosa</i> (Pacific Black Duck)			
41.	24561	<i>Anthochaera carunculata</i> (Red Wattlebird)			
42.	24562	<i>Anthochaera lunulata</i> (Western Little Wattlebird)			
43.	24285	<i>Aquila audax</i> (Wedge-tailed Eagle)			
44.		<i>Araneus cyphoxis</i>			
45.		<i>Araneus senicaudatus</i>			
46.	24341	<i>Ardea pacifica</i> (White-necked Heron)			
47.	24610	<i>Ardeotis australis</i> (Australian Bustard)			
48.	25566	<i>Artamus cinereus</i> (Black-faced Woodswallow)			
49.	24353	<i>Artamus cyanopterus</i> (Dusky Woodswallow)			
50.		<i>Artemia</i> sp.			
51.		<i>Artoriopsis exopolita</i>			
52.		<i>Austrochiltonia subtenuis</i>			
53.		<i>Austrolestes annulosus</i>			
54.		<i>Austrosuccinea</i> sp.			
55.		<i>Austrosynthemis</i> sp.			
56.		<i>Batrachomatus nannup</i> (formerly <i>Allomatus</i> genus)			
57.		<i>Berosus discolor</i>			
58.	24319	<i>Biziura lobata</i> (Musk Duck)			
59.		<i>Boeckella triarticulata</i>			
60.		<i>Brachionus</i> cf. <i>plicatilis</i> (SAP)			
61.		<i>Brachionus plicatilis</i> s.l.			
62.		<i>Brachionus quadridentatus quadridentatus</i>			
63.	25598	<i>Cacomantis flabelliformis</i> (Fan-tailed Cuckoo)			
64.	42307	<i>Cacomantis pallidus</i> (Pallid Cuckoo)			
65.	24269	<i>Calamanthus campestris</i> (Rufous Fieldwren)			
66.		<i>Calamoecia attenuata</i>			
67.		<i>Calamoecia</i> sp. 342 (ampulla variant)			
68.		<i>Calamoecia</i> sp. 342 (ampulla variant) (CB)			
69.		<i>Candonocypris novaezealandiae</i>			
70.		<i>Capitella</i> sp.			
71.		<i>Carabidae</i> sp.			
72.		<i>Cercophonius sulcatus</i>			
73.	25551	<i>Cereopsis novaehollandiae</i> (Cape Barren Goose)			
74.	24186	<i>Chalinolobus gouldii</i> (Gould's Wattle Bat)			
75.	24377	<i>Charadrius ruficapillus</i> (Red-capped Plover)			
76.	24321	<i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
77.	24980	<i>Christinus marmoratus</i> (Marbled Gecko)			
78.	24288	<i>Circus approximans</i> (Swamp Harrier)			
79.	24289	<i>Circus assimilis</i> (Spotted Harrier)			
80.	24774	<i>Cladorhynchus leucocephalus</i> (Banded Stilt)			
81.		<i>Coenagrionidae</i> sp. 3 ( <i>Ausrivus</i> )			
82.	25675	<i>Colluricincla harmonica</i> (Grey Shrike-thrush)			
83.		<i>Conochilus coenobasis</i>			
84.	25568	<i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
85.	25592	<i>Corvus coronoides</i> (Australian Raven)			
86.	24671	<i>Coturnix pectoralis</i> (Stubble Quail)			
87.	24673	<i>Coturnix ypsilophora</i> subsp. <i>australis</i> (Brown Quail)			
88.		<i>Coxiella</i> sp.			
89.	25595	<i>Cracticus tibicen</i> (Australian Magpie)			
90.	25596	<i>Cracticus torquatus</i> (Grey Butcherbird)			
91.	25398	<i>Crinia georgiana</i> (Quacking Frog)			
92.	42385	<i>Ctenophorus chapmani</i> (Eastern Heath Dragon)			
93.	25031	<i>Ctenotus catenifer</i>			
94.	25049	<i>Ctenotus labillardieri</i>			
95.	25074	<i>Ctenotus schomburgkii</i>			
96.		<i>Culicoides</i> sp.			
97.		<i>Curculionidae</i> sp.			
98.		<i>Cyclosa trilobata</i>			
99.	24322	<i>Cygnus atratus</i> (Black Swan)			
100.		<i>Daphnia</i> n. sp. d ( <i>Ewerts</i> ) (SAP)			Y
101.		<i>Daphnia queenslandensis</i>			

	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
102.		<i>Daphnia</i> sp. nov. d (Ewerts)			Y
103.		<i>Dasyhelea</i> sp.			
104.	24995	<i>Delma australis</i>			
105.	25766	<i>Delma fraseri</i> (Fraser's Legless Lizard)			
106.		<i>Dero digitata</i>			
107.		<i>Diacypris spinosa</i>			
108.		<i>Dicrotendipes pseudoconjunctus</i>			
109.		<i>Diffugia</i> cf. <i>lithophila</i> (SAP)			
110.		<i>Dolichopodidae</i> sp. A (SAP)			
111.		<i>Dolichopodidae</i> sp. B (SAP)			
112.	24470	<i>Dromaius novaehollandiae</i> (Emu)			
113.		<i>Ecnomina</i> E group sp. 5			
114.		<i>Ecnomus pansus/turgidus</i>			
115.	25100	<i>Egernia napoleonis</i>			
116.		<i>Enchytraeidae</i> sp.			
117.		<i>Enochrus eyrensis</i>			
118.		<i>Ephydriidae</i> sp. 3 (SAP)			
119.		<i>Ephydriidae</i> sp. 6 (SAP)			
120.	24567	<i>Epthianura albiglans</i> (White-fronted Chat)			
121.	24368	<i>Eurostopodus argus</i> (Spotted Nightjar)			
122.		<i>Exosphaeroma</i> sp.			
123.	25621	<i>Falco berigora</i> (Brown Falcon)			
124.	25622	<i>Falco cenchroides</i> (Australian Kestrel)			
125.	25623	<i>Falco longipennis</i> (Australian Hobby)			
126.		<i>Forcypomyia</i> sp. 6			
127.		<i>Forcypomyia</i> sp. 6 (PSW)			
128.	25727	<i>Fulica atra</i> (Eurasian Coot)			
129.		<i>Gladioferens imparipens</i>			
130.	24735	<i>Glossopsitta porphyrocephala</i> (Purple-crowned Lorikeet)			
131.	24443	<i>Grallina cyanoleuca</i> (Magpie-lark)			
132.		<i>Habronestes bradleyi</i>			
133.	25627	<i>Haematopus fuliginosus</i> (Sooty Oystercatcher)			
134.	24487	<i>Haematopus longirostris</i> (Pied Oystercatcher)			
135.		<i>Halicyclops</i> sp. 1 (nr <i>ambiguus</i> )			
136.		<i>Halicyclops</i> sp. 1 (nr <i>ambiguus</i> ) (SAP)			
137.		<i>Haloniscus searlei</i>			
138.		<i>Hemicordulia tau</i>			
139.		<i>Hemigomphus armiger</i>			
140.	25734	<i>Himantopus himantopus</i> (Black-winged Stilt)			
141.	24491	<i>Hirundo neoxena</i> (Welcome Swallow)			
142.		<i>Hygrobia watti</i>			
143.		<i>Hyphydrus elegans</i>			
144.		<i>Ilyocyptus smirnovi</i>			
145.		<i>Keratella australis</i>			
146.		<i>Kiefferulus intertinctus</i>			
147.		<i>Lancetes</i> sp.			
148.	25638	<i>Larus pacificus</i> (Pacific Gull)			
149.	24512	<i>Larus pacificus</i> subsp. <i>georgii</i> (Pacific Gull)			
150.		<i>Lecane hamata</i>			
151.	25131	<i>Lerista distinguenda</i>			
152.	24573	<i>Lichenostomus cratitius</i> (Purple-gaped Honeyeater)			
153.	25661	<i>Lichmera indistincta</i> (Brown Honeyeater)			
154.		<i>Limnocythere</i> sp. 732 (n. sp.)			Y
155.		<i>Limnocythere</i> sp. 732 (n. sp.) (SAP)			Y
156.	25383	<i>Litoria cyclorhyncha</i> (Spotted-thighed Frog)			
157.		<i>Macrodiplax cora</i>			
158.	24326	<i>Malacorhynchus membranaceus</i> (Pink-eared Duck)			
159.	24551	<i>Malurus pulcherrimus</i> (Blue-breasted Fairy-wren)			
160.	24583	<i>Manorina flavigula</i> (Yellow-throated Miner)			
161.	25663	<i>Melithreptus brevirostris</i> (Brown-headed Honeyeater)			
162.		<i>Mesochra baylyi</i>			
163.		<i>Mesocyclops brooksi</i>			
164.		<i>Mesostigmata</i> sp.			
165.		<i>Microcyclops varicans</i>			
166.		<i>Microsporus</i> sp.			
167.		<i>Monohalea</i> sp. 1			
168.		<i>Monohalea</i> sp. 1 (SAP)			
169.		<i>Monohalea</i> sp. 3			
170.		<i>Monohalea</i> sp. 3 (SAP)			
171.	24223	<i>Mus musculus</i> (House Mouse)	Y		

Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
172.	<i>Muscidae</i> sp. A (SAP)			
173.	25610 <i>Myiagra inquieta</i> (Restless Flycatcher)			
174.	<i>Mytilocypris mytiloides</i>			
175.	<i>Mytilocypris tasmanica chapmani</i>			
176.	<i>Naididae</i> (ex <i>Tubificidae</i> )			
177.	<i>Necterosoma penicillatus</i>			
178.	<i>Nematoda</i> sp.			
179.	24739 <i>Neophema petrophila</i> (Rock Parrot)			
180.	<i>Newnhamia</i> sp. 295 (south-west, SAP)			
181.	25748 <i>Ninox novaeseelandiae</i> (Boobook Owl)			
182.	<i>Notalina spira</i>			
183.	<i>Notholca salina</i>			
184.	<i>Notoperata</i> sp. AV4 (SFM)			
185.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
186.	<i>Onychocamptus bengalensis</i>			
187.	<i>Opisthopora</i> sp.			
188.	24618 <i>Oreoica gutturalis</i> (Crested Bellbird)			
189.	<i>Oribatida</i> sp.			
190.	<i>Orthocladinae</i> SO3 sp. A (SAP)			
191.	25679 <i>Pachycephala pectoralis</i> (Golden Whistler)			
192.	25680 <i>Pachycephala rufiventris</i> (Rufous Whistler)			
193.	<i>Parachironomus</i> sp. 1 (VSCL35)			
194.	<i>Parachironomus</i> sp. 1 (VSCL35) (SAP)			
195.	<i>Paracyclops chiltoni</i>			
196.	<i>Paralimnocythere</i> sp. 262 (south-west)			
197.	25681 <i>Pardalotus punctatus</i> (Spotted Pardalote)			
198.	24626 <i>Pardalotus punctatus</i> subsp. <i>xanthopyge</i> (Yellow-rumped Pardalote)			
199.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
200.	24648 <i>Pelecanus conspicillatus</i> (Australian Pelican)			
201.	25697 <i>Phalacrocorax carbo</i> (Great Cormorant)			
202.	24665 <i>Phalacrocorax fuscescens</i> (Black-faced Cormorant)			
203.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
204.	25699 <i>Phalacrocorax varius</i> (Pied Cormorant)			
205.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
206.	25587 <i>Phaps elegans</i> (Brush Bronzewing)			
207.	<i>Philosciidae</i> sp.			
208.	24596 <i>Phylidonyris novaehollandiae</i> (New Holland Honeyeater)			
209.	<i>Phyrganoporus candidus</i>			
210.	<i>Pleuroxus</i> cf. <i>foveatus</i> (SAP)			
211.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
212.	25704 <i>Podiceps cristatus</i> (Great Crested Grebe)			
213.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
214.	24681 <i>Poliocephalus poliocephalus</i> (Hoary-headed Grebe)			
215.	<i>Polypedilum</i> nr. <i>convexum</i> (SAP)			
216.	<i>Polypedilum nubifer</i>			
217.	24769 <i>Porzana fluminea</i> (Australian Spotted Crane)			
218.	<i>Procladius paludicola</i>			
219.	25259 <i>Pseudonaja affinis</i> subsp. <i>affinis</i> (Dugite)			
220.	24243 <i>Rattus fuscipes</i> (Western Bush Rat)			
221.	24776 <i>Recurvirostra novaehollandiae</i> (Red-necked Avocet)			
222.	30818 <i>Rhinoplocephalus bicolor</i> (Square-nosed Snake)			
223.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
224.	<i>Rhombognathus marginalis</i>			
225.	<i>Rotaria</i> sp.			
226.	S03 S03 sp. A			
227.	<i>Sarscypridopsis aculeata</i>			
228.	<i>Sarscypridopsis</i> aff. <i>aculeata</i> (165)			
229.	<i>Sarscypridopsis</i> aff. <i>aculeata</i> (165) (south-west, SAP)			
230.	<i>Scaridium</i> sp. Nov. (Pleasant View) (SAP)			
231.	<i>Scatopsidae</i> sp.			
232.	25534 <i>Sericornis frontalis</i> (White-browed Scrubwren)			
233.	30948 <i>Smicromis brevirostris</i> (Weebill)			
234.	<i>Spencerhydrus</i> sp.			
235.	24645 <i>Stagonopleura oculata</i> (Red-eared Firetail)			
236.	25655 <i>Stipiturus malachurus</i> (Southern Emu-wren)			
237.	<i>Stratiomyidae</i> sp.			
238.	25597 <i>Strepera versicolor</i> (Grey Currawong)			
239.	24943 <i>Strophurus spinigerus</i> subsp. <i>inornatus</i>			
240.	<i>Symphitoneuria wheeleri</i>			
241.	<i>Tabanidae</i> sp.			

	Name ID	Species Name	Naturalised	Conservation Code	<sup>1</sup> Endemic To Query Area
242.	24331	<i>Tadorna tadornoides</i> (Australian Shelduck, Mountain Duck)			
243.		<i>Tanytarsus barbitarsis</i>			
244.		<i>Tasmanocoenis tillyardi</i>			
245.	24844	<i>Threskiornis molucca</i> (Australian White Ibis)			
246.	24845	<i>Threskiornis spinicollis</i> (Straw-necked Ibis)			
247.	25207	<i>Tiliqua rugosa</i> subsp. <i>rugosa</i>			
248.	25549	<i>Todiramphus sanctus</i> (Sacred Kingfisher)			
249.		<i>Trombidioidea</i> sp.			
250.	25577	<i>Vanellus miles</i> (Masked Lapwing)			
251.	24386	<i>Vanellus tricolor</i> (Banded Lapwing)			
252.	25765	<i>Zosterops lateralis</i> (Grey-breasted White-eye, Silvereye)			

**Conservation Codes**

T - Rare or likely to become extinct  
X - Presumed extinct  
IA - Protected under international agreement  
S - Other specially protected fauna  
1 - Priority 1  
2 - Priority 2  
3 - Priority 3  
4 - Priority 4  
5 - Priority 5

<sup>1</sup> For NatureMap's purposes, species flagged as endemic are those whose records are wholly contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.