

Basic Ecological Assessment

17 Courtney Drive Upper Coomera

Prepared for: Elevate Development Solutions C/- Tony Yuan

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1 Introduction

1.1 Background

Natura Pacific was commissioned by Elevate Development Solutions on behalf of Tony Yuan to carry out a Basic Ecological Assessment (BEA) for the proposed subdivision of 17 Courtney Drive, Upper Coomera QLD 4209. This BEA is provided for the purpose of identifying flora and fauna habitat values within and adjacent to areas of the property.

1.2 Objectives

The objectives of the Basic Ecological Assessment include:

- review and summarise relevant local, state and federal government legislation
- compile desktop assessment
- full flora survey including: species list for lot 2 area of the proposed development including, vegetation descriptions for each community including those for canopy, understorey and ground layers
- basic fauna assessment including scats, tracks, call recognition and opportunistic findings
- basic waterways assessment including locating mapped minor waterway banks and determining suitable buffer
- recommendation of mitigation measures to minimise environmental impacts of development

2 Desktop analysis

2.1 Location

Lot 182 RP156422 or 17 Courtney Drive is located within the Gold Coast local government area, within the suburb of Upper Coomera. The residential site is located approximately 3 km from the Pacific Motorway and can be described as mostly cleared of vegetation with areas of native vegetation regrowth and weedy pasture grasses. There is also a large dam located on the site with the potential to provide riparian habitat. The site is currently being used to agist horses. To the east on the opposite side of Baileys Mountain Road is a high-density residential development and to the west are further rural residential properties and native vegetation. Figure 1 presents the location of the site with overlaid design drawings.

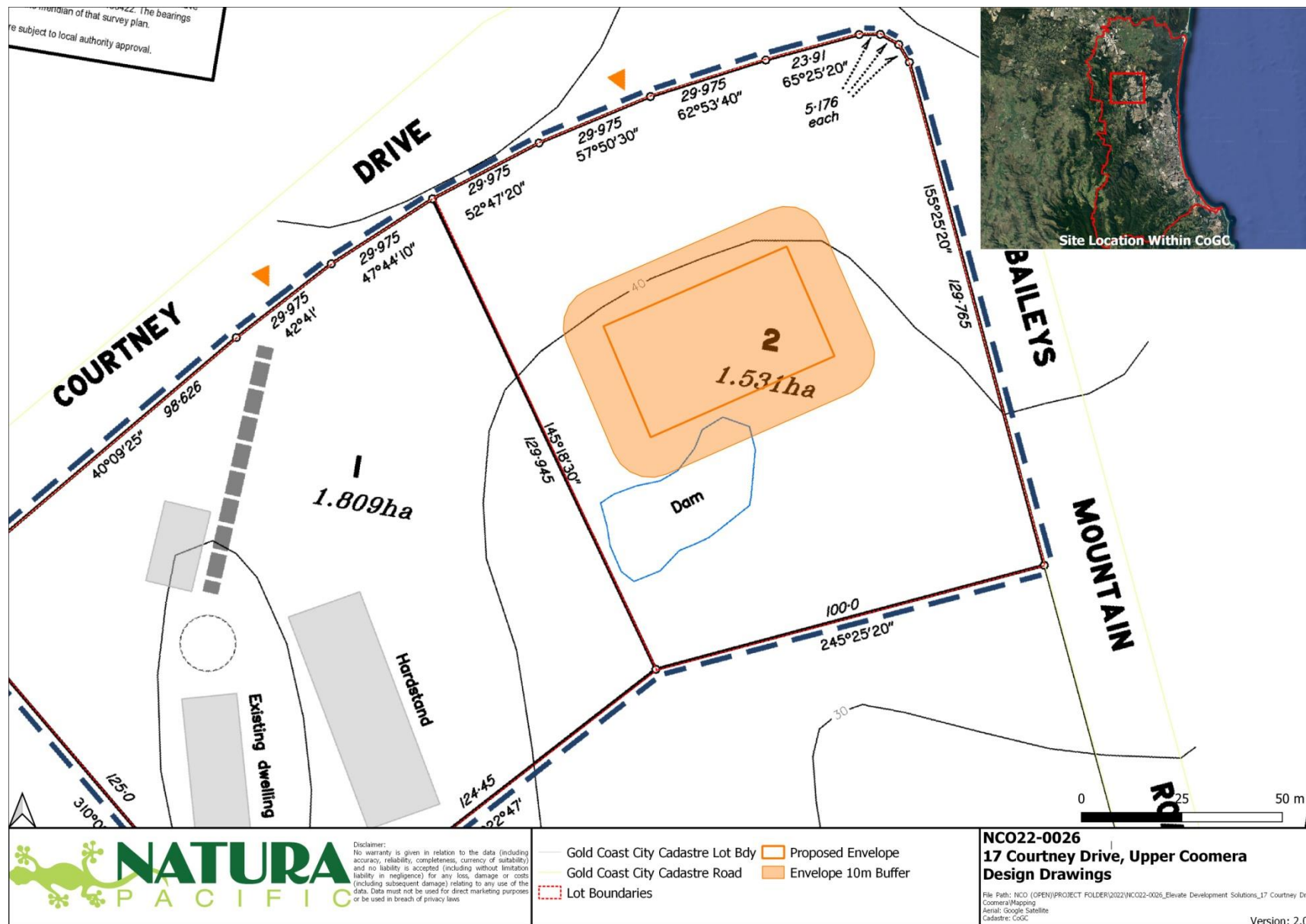


Figure 1 Site location and design drawings

2.2 Current and historical land use

Within the site, the terrestrial vegetation has historically been cleared with sections of regrowth vegetation present. Recent residential development to the east of the site has further isolated this section of vegetation however, some connection still remains to other areas of vegetation to the north and south of the site indicating potential for fauna to use vegetation within the site and travel through the area. One dam is present within the building envelope or surrounding buffer area.

Table 1 Zoning and land use constraints of subject site

Area	Constraints
Lot 182 on RP 156422	Zoning: Rural Residential Overlays: • Environmental Significance - Priority Species - <i>Matters of state environmental significance- Koala habitat areas</i> • Environmental Significance – Wetlands and waterways - <i>Matters of local environmental significance-Wetlands and waterways</i> - <i>Watercourse 30m Buffer area</i>

2.3 Surrounding development

The site is on the corner of two local roads, Courtney Drive and Baileys Mountain Road. Rural residential properties surround the site as well as higher density residential development to the east, on the opposite side of Baileys Mountain Road. The Pacific Motorway is approximately 3 km to the east of the site.

2.4 Vegetation

2.4.1 Vegetation Management Act 1999

The Queensland *Vegetation Management Act 1999* provides regulation of clearing of Remnant Vegetation and High Value Regrowth in Queensland through the Regional Ecosystem vegetation classification system. Clearing is regulated in accordance with the level of significance of the vegetation communities identified under the system.

Remnant vegetation is defined by the State of Queensland within the 'Methodology for surveying and mapping regional ecosystems and vegetation communities in Queensland: Version 6.0' as:

“Remnant vegetation: *The assessment of remnant vegetation uses different criteria for woody and non-woody dominated vegetation.*

Woody dominated vegetation: *Woody vegetation is vegetation for which the predominant stratum is composed mainly of woody vegetation such as trees or shrubs. The Herbarium assesses and maps woody dominated vegetation as remnant if it meets the definition used in the Vegetation Management Act 1999, which is: ‘vegetation, part of which forms the predominant canopy of the vegetation—*

- (a) covering more than 50% of the undisturbed predominant canopy; and*
- (b) averaging more than 70% of the vegetation’s undisturbed height; and*
- (c) composed of species characteristic of the vegetation’s undisturbed predominant canopy.’*

Non-woody dominated vegetation: *Non-woody vegetation is vegetation in which the predominant stratum is composed of grasses and / or other non-woody vegetation. Defining*

remnant status in non-woody dominated vegetation, such as grasslands, on the characteristics of the height and cover of the canopy—that is, the grasses and forbs—is not practical. The dominant layer in these vegetation types is highly variable according to seasonal conditions and can be rapidly modified through the use of grazing, fire or mechanical mowing. In addition, variations in the composition and condition of the non-woody vegetation may not be readily and consistently recognised from Landsat TM imagery. Therefore, the Herbarium assesses, and maps non-woody dominated vegetation as remnant if it meets the definition of areas of non-woody dominated vegetation that can be mapped as remnant under the Vegetation Management Act 1999—an area of vegetation that:

- has not been cultivated for 15 years
- contains native species normally found in the regional ecosystem
- is not dominated by non-native perennial species.

Regrowth vegetation: The Vegetation Management Act 1999 in Queensland also recognizes High Value Regrowth (HVR) which is currently defined as native vegetation regrowth greater than 15 years old. HVR is mapped as Category C on the regulated vegetation map produced by the Department of Resources.”

The site is mapped by the Department of Resources as containing ‘Regrowth’ Category C vegetation that is least concern, and ‘Non-remnant’ Category X vegetation. A watercourse is identified on the watercourse / drainage feature layer of this map to the south-east of the dam. Figure 2 provides a Regional Ecosystem extract, and a description of Regional Ecosystems is provided in Table 2. Appendix 1 has the full vegetation management report for the site.



Figure 2 Regional Ecosystem extract (Source: Queensland Globe 2022)

Table 2 RE within the site (Source: Queensland Government 2022)

RE Code	Short Description	Long Description	Status
12.11.24	<i>Eucalyptus carnea</i> or <i>E. tindaliae</i> , <i>Corymbia intermedia</i> +/- <i>E. siderophloia</i> or <i>E. crebra</i> woodland on metamorphics +/- interbedded volcanics	<i>Eucalyptus carnea</i> or <i>E. tindaliae</i> , <i>Corymbia intermedia</i> woodland +/- <i>E. crebra</i> or <i>E. siderophloia</i> , <i>Eucalyptus resinifera</i> , <i>Eucalyptus major</i> , <i>E. helidonica</i> , <i>Angophora woodsiana</i> , <i>C. trachyphloia</i> , <i>E. microcorys</i> , <i>Corymbia citriodora</i> subsp. <i>Variegata</i> , <i>C. henryi</i> . Occurs on Palaeozoic and older moderately to strongly deformed and metamorphosed sediments and interbedded volcanics usually at altitudes <300 metres.	No concern at present

2.4.2 Flora Trigger Survey Map

Flora Trigger Survey Maps are used to provide information on the presence of high-risk areas for protected plants and is useful in determining flora survey and clearing permit requirements for the site. Review of the Flora Trigger Survey Map for the site under the Nature Conservation Act 1992 reveals that the site falls partly within a high-risk area for protected plants (Figure 3).



Figure 3 Protected Plants Flora Survey Trigger Survey Map (Source: Queensland Globe 2022)

2.5 Fauna

2.5.1 Essential habitat

Areas of remnant vegetation within the site are also mapped as *Essential Habitat* under the Queensland Government Essential Habitat Mapping Scheme for koala (*Phascolarctos cinereus*) (see Figure 4 – hatched area). Essential habitat provides habitat for endangered, vulnerable, rare or near threatened species. Habitat requirements are defined by biological and/or non-biological parameters to classify an area as ‘essential habitat’ including:

- vegetation
- regional ecosystem
- land zone
- altitude
- soils
- position in landscape



Figure 4 Essential Habitat Map (Source: Queensland Globe 2022)

2.5.2 South East Queensland Koala Conservation Strategy

The Queensland Government launched the South East Queensland Koala Conservation Strategy 2020–2025 to halt the decline of koala populations in the wild in South East Queensland (SEQ), and secure their long-term survival. Four key targets have been established to track achievement of this vision:

1. Populations—stabilise koala population numbers in SEQ.
2. Koala habitat—a net gain in the total core koala habitat area.
3. Koala habitat restoration—commence rehabilitation to restore 10,000 hectares of koala habitat.
4. Threat reduction—commence 10 programs in threat priority areas to support at least a 25 percent reduction in disease, injury and mortality rates in those locations.

As a part of this strategy, a spatial modelling system for koala habitat in South East Queensland has been developed to correctly identify and protect koala habitat areas. The site is partly mapped as Core Koala Habitat Area under this spatial model (0 8). These areas represent the best quality koala habitat areas, based on modelling of biophysical measures (such as climate), suitable vegetation (for both food and shelter) and koala sighting records. Koala habitat areas over the sight are found in Figure 5.



Figure 5 Koala Habitat areas (Source: Queensland Globe 2022)

2.5.3 WildNet search

A WildNet database desktop survey was undertaken to provide information on the likely occurrence of Endangered, Vulnerable or Near Threatened fauna and flora on the subject site and to direct active searches during the field assessment. Species lists returned from the WildNet tool are to be regarded as *potentially* occurring at the site only. These searches span over a wide range of habitats that may not occur at the site. Furthermore, results from the WildNet search may be historical and unvetted therefore are not always accurate. Due to the above, and to ensure that results provided relevant information, the WildNet search was confined to a 5 km radius. The following list presents a summary of search definitions:

- Species list for a specified point
- Species: All
- Type: All
- Status: All
- Records: Confirmed
- Date: Since 1980
- Latitude: -27.8638
- Longitude: 153.2834

The full results of the WildNet search are contained within Appendix 1. This presents the species identified that are threatened pursuant to the *Nature Conservation Act 1992* and / or the *Environmental Protection and Biodiversity Conservation Act 1999*. With regards to the listed threatened species, two (2) amphibians, five (5) birds, two (2) mammals and ten (10) plant species, listed pursuant to the *Nature Conservation Act 1992*, and *Environment Protection and Biodiversity Conservation Act 1999*, were identified in the WildNet search.

2.5.4 Protected Matters Search

A Protected Matters database survey was undertaken to provide information on the likely occurrence of listed fauna and flora on the subject site and to direct active searches during the field assessment. Species lists returned from the Protected Matters search tool are to be regarded as *potentially* occurring at the site only. These searches give indication of potential habitats for threatened species within a broad area that may not occur at the site. The search area was confined to a 5 km radius from the site.

The full results of the Protected Matters search are contained within Appendix 2. This database search presents the species identified that are threatened pursuant to the *Environmental Protection and Biodiversity Conservation Act 1999*. Six (6) listed Threatened Ecological Communities were indicated as likely to occur within the 5 km radius, being “Lowland rainforest of subtropical Australia”, “Coastal Swamp Schlerophyll Forest of New South Wales and South East Queensland ecological community” “Subtropical and Temperate Coastal Saltmarsh”, “Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions”, “White Box-Yellow Box-Blakely’s Red Gum Grassy Woodland and Derived Native Grassland” and “Coastal Swamp Oak (*Casuarina glauca*) Forest of New South Wales and South East Queensland”. With regard to the listed threatened species, eighty-nine (89) listed threatened species and forty-two (42) listed migratory species pursuant to the *Environment Protection and Biodiversity Conservation Act 1999* were indicated as having potential habitat within the 5 km radius of the site.

2.6 Planning designation

2.6.1 Council Planning Scheme - Zones

The location of the site falls under the Gold Coast City Plan interactive map 2022. 17 Courtney Drive Upper Coomera is ‘Rural Residential’ zoned property and the surrounding area is zoned either ‘Rural Residential’, or ‘High Density Residential’ (Figure 6). ‘Rural, Rural Landscape and Environment Precinct’ zoning is present to the north west of the site over areas of Willowvale



Figure 6 Site Zones (Source: City of Gold Coast 2022)

2.6.2 Environmental Significance - Wetland and Watercourses

A waterway identified on the 'Matters of local environmental significance – wetlands and waterways' overlay is present within the site shown in light blue (Figure 7). A Buffer area identified on the 'Matters of local environmental significance- wetlands and waterways- Buffer area' is present within the site shown in light green.



Figure 7 Wetlands, Watercourses and Buffer area (Source: City of Gold Coast 2022)

2.6.3 Environmental Significance – Priority Species

The City of Gold Coast environmental significance overlay indicates ‘Matters of State environmental significance – priority species - koala habitat areas’ along sections of the site as indicated in light green (Figure 8).



Figure 8 Priority Species (Source: City of Gold Coast 2022)

3 Field assessment

3.1 Survey methods

A summary of survey methodology is as follows:

- Diurnal field survey over a single day was conducted by the ecologist (29 November 2022).
- Identification of individual flora and fauna species, or evidence of fauna species (e.g. scats, scratches, nests) and compilation of species lists.
- Identification and recording of all fauna habitat features that may fall within the impact area of the building envelope.
- Assessment of biosecurity including any significant weed infestations.
- Observations and active searches for Endangered, Vulnerable, Near Threatened or locally significant species (EVNT) that may fall within the area of the proposed building envelope and surrounds.
- Assessment of the waterway to determine the centre line and a suitable buffer

3.2 Vegetation

3.2.1 Ground-truthed vegetation

The survey area associated with the proposed building envelope and buffer area is cleared of vegetation apart from weedy pasture grasses and disturbed regrowth. The entire area that is proposed to become 'lot 2' of the proposed two lot subdivision was assessed to gain a full picture of the ecological processes over the broader area. For the purposes of documenting the findings of our assessment, the site has been separated into distinct vegetation types and described in detail, so as to give an accurate picture of the vegetation over the site (Table 3).

Table 3 Vegetation Types (VTs) identified during site assessments

Vegetation Type	Description
VT1	Disturbed drainage line devoid of all vegetation apart from a weedy ground layer.
VT2	Large dam and surrounding vegetation comprising largely of exotic canopy, shrub and ground cover and sporadic native species present.
VT3	Canopy of Eucalypts over a regenerating shrub layer of <i>Acacia</i> sp. With medium weed infiltration, primarily <i>Lantana camara</i> .
VT4	Slashed paddock with sparse canopy trees being grazed by horses.
VT5	A dense stand of Acacias with a single Eucalyptus tree present, as well as native vines. Heavy invasion of <i>Lantana camara</i> .
VT6	Dense thicket of regrowth Eucalypts and Acacias with heavy weed infiltration.

The site footprint spans an area of approximately 2 ha. The proposed building envelope is situated adjacent to the dam in an area of weedy grass. Surrounding areas contain disturbed regenerating vegetation and open grassy grazed paddocks. The differing sections of vegetation have been separated

into vegetation types and described in the following sections. Photographs of each vegetation type are provided in Appendix 3

VT1

This vegetation type describes a small section of vegetation that is located within the drainage line that funnels overland flow into the dam. Vegetation present at this location is described as having a ground layer that is almost 100% cover of exotic weed species. There is no shrub or canopy layer vegetation nor is there any native shrub or canopy species present in the ground layer. Only three native species were recorded in this VT, *Cyperus polystachyos* and *Juncus usitatus* (both sedges) and *Pseudognaphalium luteoalbum* a common annual herb from the Asteraceae family. Weedy sedges such as the *Cyperus brevifolius* and *Juncus tenuis*. This VT encompasses the area mapped by the CoGC council as a local waterway.

VT2

This vegetation type describes aquatic and riparian vegetation surrounding the large dam that is present in the site and immediately adjacent to the proposed building envelope. Vegetation present at this location is described as being comprised mainly of exotic species within the canopy, shrub and ground layers. *Pinus radiata* dominates the canopy layer, *Lantana camara* was common in the shrub layer and a wide range of exotic grasses and forbs were present in the ground layer including *Sporobolus africanus* a restricted invasive plant under the *Biosecurity Act 2014*. Native species were present including sparse canopy cover of Eucalypts and Acacias present in the shrub layer.

VT3

This vegetation is the most natural vegetation on the site comprising of a canopy layer of *Eucalyptus propinqua*, *Eucalyptus siderophloia*, *Eucalyptus carnea*, *Angophora leiocarpa*, and *Eucalyptus tindaliae*. The sub-canopy includes regrowth canopy layer species plus *Lophostemon confertus*. The shrub layer is dominated by *Acacia disparrima* with some presence of *Lantana camara* in open areas. Common ground layer species included *Entolasia stricta* and *Persicaria lapathifolia*, however weedy species were most dominant in the ground layer such as *Cynodon dactylon*.

VT4

This area represents a cleared section where the only vegetation present is the ground layer, which is dominated by introduced pasture grasses and weeds commonly associated with grazing.

VT5

This VT encompasses a small stand of dense *Acacia disparrima* that is overgrown with Monkey Rope Vine (*Parsonsia straminea*). Restricted invasive species *Lantana camara* is also present in the shrub layer and the ground layer is a mixture of exotic and native grasses and forbes. A single *Eucalyptus tereticornis* is present in the canopy.

VT6

Vegetation present within this section of the site contained a dense thicket of *Acacia disparrima* and native Monkey Rope vine (*Parsonsia straminea*) with heavy infestation of weeds. This is likely to be an area in the early stages of native regrowth that has high level of light infiltration due to lack of canopy, allowing exotic species to proliferate.

Figure 9 shows the location of vegetation communities and mapped regrowth vegetation and local waterway across the site and the following Table 4 presents the full native species list of the subject site.

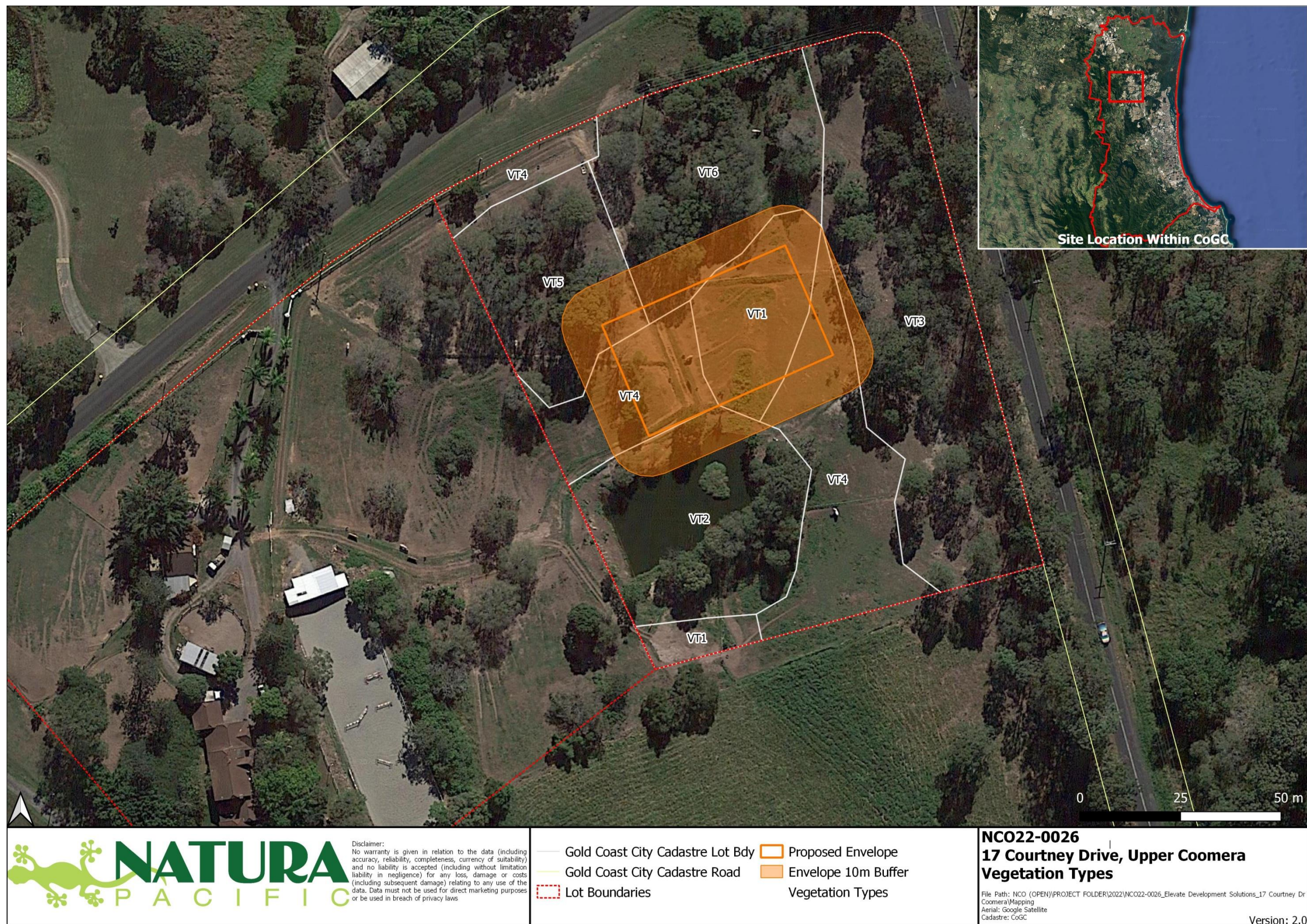


Figure 9 Locations of vegetation types recorded over the site.

Table 4 Vegetation species list

Details		Conservation status					Vegetation Type					
Botanical Name	Common Name	Type	EPBC	NCA	CoG C	Restricted Invasive Plant	VT1	VT2	VT3	VT4	VT5	VT6
<i>Acacia disparrima</i>	Hickory Wattle	Native shrub					X	X	X	X	X	X
<i>Ageratum houstonianum</i>	Blue Billygoat-weed	Exotic herb					X	X	X	X	X	X
<i>Alphitonia excelsa</i>	Soap Tree	Native tree							X			
<i>Anagallis arvensis</i>	Scarlet pimpernel	Exotic herb					X	X			X	
<i>Andropogon virginicus</i>	Whisky grass	Exotic grass							X			
<i>Angophora leiocarpa</i>	Smooth Apple	Native tree							X			
<i>Asparagus aethiopicus</i>	Asparagus-ferm	Exotic scrambler				Restricted Invasive Plant		X	X	X	X	X
<i>Bidens pilosa</i>	Cobbler's pegs	Exotic herb								X		X
<i>Bursaria spinosa</i>	Sweet bursaria	Native shrub							X			
<i>Callisia repens</i>	Creeping inchplant	Exotic herb										X
<i>Celtis sinensis</i>	Chinese celtis	Exotic tree				Restricted Invasive Plant		X				
<i>Cheilanthes sieberi</i>	Poison rock fern	Native fern							X		X	
<i>Chrysocephalum apiculatum</i>	Yellow buttons	Native herb							X			
<i>Cinnamomum camphora</i>	Camphor Laurel	Exotic tree				Restricted Invasive Plant		X				
<i>Commelina diffusa</i>	Wandering jew	Native herb						X				
<i>Conyza bonariensis</i>	Flax-leaved Fleabane	Exotic herb									X	
<i>Corymbia torelliana</i>	Cadaghi	Exotic tree								X	X	
<i>Crassocephalum crepidioides</i>	Thickhead	Exotic herb						X				
<i>Cupaniopsis anacardioides</i>	Tuckeroo	Native tree							X			
<i>Cuphea carthagenensis</i>	Colombian Waxweed	Exotic herb					X	X		X	X	
<i>Cyanthillium cinereum</i>	Vernonia	Native herb							X			
<i>Cynodon dactylon</i>	Bermuda Grass	Native grass							X	X	X	
<i>Cyperus brevifolius</i>	Mullumbimby couch	Exotic sedge					X					
<i>Cyperus polystachyos</i>	Bunchy sedge	Native sedge					X					
<i>Desmodium rhytidophyllum</i>	Desmodium	Native herb							X			

Details		Conservation status					Vegetation Type					
Botanical Name	Common Name	Type	EPBC	NCA	CoG C	Restricted Invasive Plant	VT1	VT2	VT3	VT4	VT5	VT6
<i>Dianella brevipedunculata</i>	Blue flax lily	Native bulb							X			
<i>Dianella caerulea</i>	Blueberry Flax-lily	Native bulb							X			
<i>Dichelachne micrantha</i>	Shorthair plumegrass	Native grass							X			
<i>Echinochloa crus-galli</i>	Cockspur grass	Exotic grass					X					
<i>Eclipta prostrata</i>	False daisy	Native herb						X				
<i>Entolasia stricta</i>	Wiry Panic	Native grass							X			X
<i>Eragrostis brownii</i>	Brown's Love-grass	Native grass							X	X		
<i>Eucalyptus carnea</i>	Broad-leaved white mahogany	Native tree							X			
<i>Eucalyptus propinqua</i>	Small-fruited Grey Gum	Native tree						X	X			
<i>Eucalyptus siderophloia</i>	Northern Grey Ironbark	Native tree						X	X	X		X
<i>Eucalyptus tereticornis</i>	Forest Red Gum	Native tree									X	
<i>Eucalyptus tindaliae</i>	Tindal's stringybark	Native tree							X			
<i>Fimbristylis miliacea</i>	Hoorahgrass	Exotic sedge					X					
<i>Geitonoplesium cymosum</i>	Scrambling-lily	Native scrambler							X			
<i>Glycine clandestine</i>	Glycine	Native vine							X			
<i>Gomphocarpus physocarpus</i>	Balloon-cotton	Exotic herb								X		
<i>Goodenia rotundifolia</i>	Round-leaved Goodenia	Native herb							X			
<i>Hypericum gramineum</i>	Small St John's Wort	Native herb								X	X	X
<i>Hypochaeris radicata</i>	Flatweed	Exotic herb					X					
<i>Imperata cylindrica</i>	Blady Grass	Native grass							X			
<i>Juncus tenuis</i>	Slender rush	Exotic rush					X					
<i>Juncus usitatus</i>	Common Rush	Native rush					X			X		
<i>Lantana camara</i>	Lantana	Exotic shrub				Restricted Invasive Plant		X	X	X	X	X
<i>Lepidosperma laterale</i>	Variable Sword-sedge	Native sedge							X			
<i>Leucopogon juniperinus</i>	Prickly hheath	Native shrub							X			
<i>Lobelia purpurascens</i>	Whiteroot	Native herb									X	
<i>Lomandra confertifolia</i>	Mat rush	Native mat rush							X			

Details		Conservation status					Vegetation Type					
Botanical Name	Common Name	Type	EPBC	NCA	CoG C	Restricted Invasive Plant	VT1	VT2	VT3	VT4	VT5	VT6
<i>Lomandra multiflora</i>	Many-flowered Mat-rush	Native mat-rush							X			
<i>Lophostemon confertus</i>	Brush Box	Native tree							X	X		
<i>Ludwigia longifolia</i>	Long-leaf willow primrose	Native aquatic shrub					X	X				
<i>Ludwigia octovalvis</i>	Mexican primrose	Native herb						X				
<i>Melinis repens</i>	Red natal grass	Exotic grass								X	X	
<i>Murraya paniculata</i>	Mock Orange	Exotic shrub									X	
<i>Panicum effusum</i>	Hairy Panic	Native grass							X			
<i>Parsonsia straminea</i>	Monkey Rope Vine	Native vine						X			X	X
<i>Paspalum mandiocanum</i>	Broad-leaved Paspalum	Exotic grass										X
<i>Paspalum notatum</i>	Bahiagrass	Exotic grass								X		X
<i>Paspalum urvillei</i>	Vasey's grass	Exotic grass					X					
<i>Passiflora suberosa</i>	Corky Passionflower	Exotic vine									X	
<i>Passiflora subpeltata</i>	White Passionflower	Exotic vine						X				
<i>Persicaria lapathifolia</i>	Pale knotweed	Native aquatic plant						X				
<i>Pinus elliottii</i>	Slash Pine	Exotic tree						X				
<i>Pinus radiata</i>	Radiata Pine	Exotic tree						X				
<i>Pseudognaphalium luteoalbum</i>	Jersey cudweed	Native herb					X			X		
<i>Rumex crispus</i>	Curly dock	Exotic herb					X	X				
<i>Schefflera actinophylla</i>	Umbrella Tree	Exotic tree							X			
<i>Schinus terebinthifolia</i>	Brazilian pepper tree	Exotic small tree				Restricted Invasive Plant		X				
<i>Scoparia dulcis</i>	Goatweed	Exotic herb									X	
<i>Senecio madagascarensis</i>	Fireweed	Exotic herb				Restricted Invasive Plant				X		X
<i>Senna pendula var. glabrata</i>	Easter Cassia	Exotic							X			
<i>Setaria pumila</i>	Pale Pigeon Grass	Exotic grass					X	X	X	X		X

Details		Conservation status					Vegetation Type					
Botanical Name	Common Name	Type	EPBC	NCA	CoG C	Restricted Invasive Plant	VT1	VT2	VT3	VT4	VT5	VT6
<i>Setaria sphacelata</i>	South African Pigeon-grass	Exotic grass					X					
<i>Smilax australis</i>	Smilax	Native vine							X			
<i>Solanum chrysotrichum</i>	Devil's-fig	Exotic shrub						X		X		X
<i>Solanum mauritianum</i>	Tobacco Bush	Exotic shrub						X				X
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	Exotic herb					X					
<i>Sporobolus africanus</i>	Parramatta Grass	Exotic grass				Restricted Invasive Plant	X	X		X		
<i>Stachys arvensis</i>	Woundwort	Exotic herb					X					
<i>Strelitzia reginae</i>	Bird-of-Paradise Plant	Exotic shrub										
<i>Tecoma stans</i>	Yellow bells	Exotic tree						X			X	
<i>Toona ciliata</i>	Red cedar	Native tree							X			
<i>Urena lobata</i>	Caesarweed	Exotic herb					X					X
<i>Verbena bonariensis</i>	Purple-top	Exotic herb					X					
<i>Xyris juncea</i>	Dwarf yellow-eye	Native herb									X	

3.2.2 Significant flora

The field survey did not record the presence of any of the threatened plant species identified within the desktop searches. Although a formal Protected Plant Survey conducted in accordance with the Queensland Flora Survey Guidelines – Protected Plants was not undertaken at this stage of the project, it is considered unlikely that any threatened plants will be present within the project area due to the highly disturbed nature of the regrowth vegetation and grazing pressures of the land use (agistment of horses).

The site survey also targeting locating any flora species that are of city-wide significance for the City of Gold Coast Council. No individuals of species that are of city-wide significance were identified within the site either within the building envelope or within the surrounding vegetation.

Seven species of plant were identified that are '*restricted invasive plants*' pursuant to the *Biosecurity Act 2014*. These plants must be managed in a way that prevents their spread prior to and during construction.

3.3 Fauna

3.3.1 Fauna surveys

A 1 day duration diurnal fauna survey was conducted by Natura Pacific to assess the nature of faunal activity within the site. Direct targeted searches were undertaken for any fauna species including obvious signs of activity from scats, scratches and nests. This involved searching suitable habitat in and immediately adjacent to the proposed works areas, and completing targeted searches for Koalas. Twelve (12) bird species were recorded in the survey area through vocalisations or visual observation.

Fauna species identified during the fauna surveys can be found in Table 5.

Table 5 Fauna species identified on the site during field survey

FAMILY	Genus and Species	Common Name	Method**	NCA1*	EPBC2*
AVES					
Cacatuidae	<i>Cacatua galerita</i>	Sulphur-crested cockatoo	V	C	C
Cacatuidae	<i>Cracticus tibicen</i>	Australian magpie	V	C	C
Columbidae	<i>Geopelia placida</i>	Peaceful dove	V	C	C
Cuculidae	<i>Eudynamys orientalis</i>	Pacific koel	V	C	C
Cuculidae	<i>Scythrops novaehollandiae</i>	Channel-billed cuckoo	V	C	C
Corvidae	<i>Corvus orru</i>	Torresian crow	V	C	C
Maluridae	<i>Malurus lamberti</i>	Variegated fairywren	O	C	C
Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater	V	C	C
Phasianidae	<i>Coturnix ypsilophora</i>	Brown quail	O	C	C
Rallidae	<i>Gallirallus philippensis</i>	Buff-banded rail	O	C	C
Rallidae	<i>Porphyrio porphyrio</i>	Purple swamphen	O	C	C
Threskiornithidae	<i>Platalea regia</i>	Royal Spoonbill	O	C	C

Note that: *Status refers to as listed in the *Queensland Nature Conservation, Wildlife Regulation 1994 (Nature Conservation Act 1992)*: E = Endangered, V = Vulnerable, RV = Regionally Vulnerable, R = Rare, C = Common, I = introduced species, and as listed in the *Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act)*: CE*= Critically endangered, E*= Endangered, V*= Vulnerable, CD*= Conservation dependent, I = Introduced species, C = Common SL = Special Least Concern; **Method of identification: V = Vocalization, O = Observed, CT = Camera Trap, S = Other Signs of Presence (scats, tracks, scratches).

3.3.2 Habitat assessment

Sections of intact vegetation within the site and surrounding buffer footprint were found to provide habitat including some hollow-bearing trees, nests, and numerous potential Koala habitat trees, some with scratch marks present that were consistent with the characteristic scratch marks of Koalas. Several hollowed out fence posts and small, hollow stag trees or stumps were also observed on site. These habitat features may provide refuge and/or breeding places for reptiles, mammals and some bird species which will readily nest in lower hollows.

Several log piles and singular logs were identified across site. These habitat features provide shelter for a variety of terrestrial mammals, reptiles and amphibians.

Photos of the habitat features identified within the site survey are shown in Appendix 4.

3.3.3 Significant species

An assessment of threatened species identified within desktop analysis and the likelihood of their presence on the site, based on field observations is presented within Table 6. Assessment is restricted to the boundaries of the site and immediately adjacent habitat areas and excludes species that habitat requirements are not present in this area.

Table 6 Significant fauna species identified in database searches

Scientific Name	Common Name	Observed or Expected	Significance	Likelihood of occurrence at the site
<i>Adelotus brevis</i>	Tusked frog	Expected	Vulnerable (Nature Conservation Act 1992)	Possible: Tusked frogs can often be encountered in drainage lines that are heavily impacted by human activities and are often heard calling in suburban areas. It is possible that Tusked frogs occupy sections leading from/to the dam on the property. However, no surveys were conducted at dusk/dawn when this species is more likely to call. Due to its cryptic nature it is highly unlikely to observe Tusked frogs in the open.
<i>Crinia tinnula</i>	Wallum froglet	Expected	Vulnerable (Nature Conservation Act 1992)	Unlikely: The Wallum Froglet is restricted to coastal lowlands between northern Sydney and South East Queensland. It inhabits temporary and permanent pools, swamps and creeks where they lay eggs to vegetation just below the water surface. It is unlikely this species occurs at the subject site due to its confinement to lowlands and the subject site's location in the mid-catchment away from suitable habitat.
<i>Erythroriorchis radiatus</i>	Red goshawk	Expected	Endangered (Nature Conservation Act 1992) Vulnerable (Environment Protection and Biodiversity Act 1999)	Unlikely: This bird occupies a range of habitats in northern and eastern Australia, including coastal and subcoastal tall open forests and woodlands. However, within these habitats Red Goshawks are sparsely distributed. Habitats required by Red Goshawks for breeding are very specific. They will only nest in trees taller than 20 m, and these must be within 1 km of water (Birdlife Australia, 2021a).
<i>Hirundapus caudacutus</i>	White-throated needletail	Expected	Vulnerable (Nature Conservation Act 1992 and Environment Protection and Biodiversity Act 1999)	Possible: Occurs in airspace over forests, woodlands, farmlands, plains, lakes, coasts, towns; feeding companions frequently patrol back and forward along favoured hilltops and timbered ranges (Pizzey & Knight, 2003).
<i>Calyptorhynchus lathamii</i>	Glossy black-cockatoo	Expected	Vulnerable (Nature Conservation Act 1992)	Unlikely: The Glossy Black-Cockatoo is highly dependent on the distribution of Allocasuarina species and is found in woodland dominated by Allocasuarina and in open forests where it forms a substantial middle layer (Birdlife Australia 2021b). There were

Scientific Name	Common Name	Observed or Expected	Significance	Likelihood of occurrence at the site
				no Allocasuarina trees recorded within the site area and no large hollows suitable for nesting were present.
<i>Ninox strenua</i>	Powerful owl	Expected	Vulnerable (Nature Conservation Act 1992)	Possible: Powerful owl typically prey on Common brushtail possums and Common ringtail possums, both of which are common species found in almost every landscape across south-east Queensland. It is therefore possible that Powerful owl use the subject site to predate on possums. It is however unlikely that Powerful owl nest at the subject site due to the absence of larger hollows.
<i>Phascolarctos cinereus</i>	Koala	Expected	Vulnerable (Nature Conservation Act 1992)	Likely: It is likely, although unconfirmed that Koalas use the site area, as suitable habitat including preferred feed trees were found and there are sections of intact bushland with some limited connection to the north and south. Connection to bushland in the west has been restricted by recent residential development. Koalas live over a range of open forest and woodland communities but ultimately their habitat is defined by the presence of a select group of food trees. Koalas are found in higher densities where food trees are growing on more fertile soils and along watercourses. They do, however, remain in areas where their habitat has been partially cleared and in urban areas. (DES 2017). No Koalas or koala scats were found during targeted diurnal survey however three trees with scratch marks that were characteristic of those made by Koalas were found.
<i>Petauroides volans volans</i>	Southern Greater Glider	Expected	Vulnerable (Nature Conservation Act 1992)	Unlikely: Greater gliders occupy tall mature eucalypt forests and woodlands and are dependent on hollow-bearing trees for day-time shelters. (QLD Museum, 1995). Limited suitable habitat was found at the subject site and limited connectivity to areas of suitable habitat is present.
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	Expected	Vulnerable (Environment Protection and Biodiversity Conservation Act 1999)	Likely: Grey-headed flying foxes are likely to fly over the site and may use vegetation within the site for foraging or temporary roosts when food is seasonally available in the area. No flying fox roosts were found at the subject site, indicating that it is unlikely that there is a permanent roost within the site.

4 Development proposal

The proposed construction works at 17 Courtney Drive, Coomera comprises a subdivision of the existing lot into two separate lots. The construction of a structure is proposed for the western lot approximately situated in the centre of the resulting lot, adjacent to the dam. Vegetation clearing in this location would likely be limited to ground cover and shrub species as there are no trees present within the proposed building envelope. An existing track leads to the proposed building envelope from Courtney Drive. It is unclear at this point if the track will require widening or maintenance works resulting in the removal of native vegetation. The works are unlikely to require removal of Koala food / shelter trees in VT3.

The location of the proposed building envelope has the potential to impact a waterway mapped under the City of Gold Coast planning scheme overlay *wetlands and waterways (waterway)* (Figure 10). The waterway is running through the property in a north to south direction and is interrupted by a dam which is situated immediately to the south of the proposed building envelope. The waterway terminates on the other side of Courtney Drive to the north. The location of the waterway was ground-truthed as part of the ecological survey undertaken on the site and its location was found to be mostly consistent with the CoGC planning scheme mapping. The northern reaches of the waterway, which could be impacted by the proposed structure, were not flowing or carrying water at the time of the survey.

The subdivision and building envelope location is generally supported by this ecological assessment as the building envelope location avoids remnant vegetation, essential habitat and avoids native vegetation removal almost entirely. The location within waterway buffer is not considered to pose a significant environmental impact due to the highly modified nature of the waterway in this location with the impoundment into a farm dam and the vegetation being primarily made up of introduced and invasive weed species. Additionally, the development in its current form has potential to improve environmental outcomes for the site, if rehabilitation of the waterway area is conditioned as part of the approval.

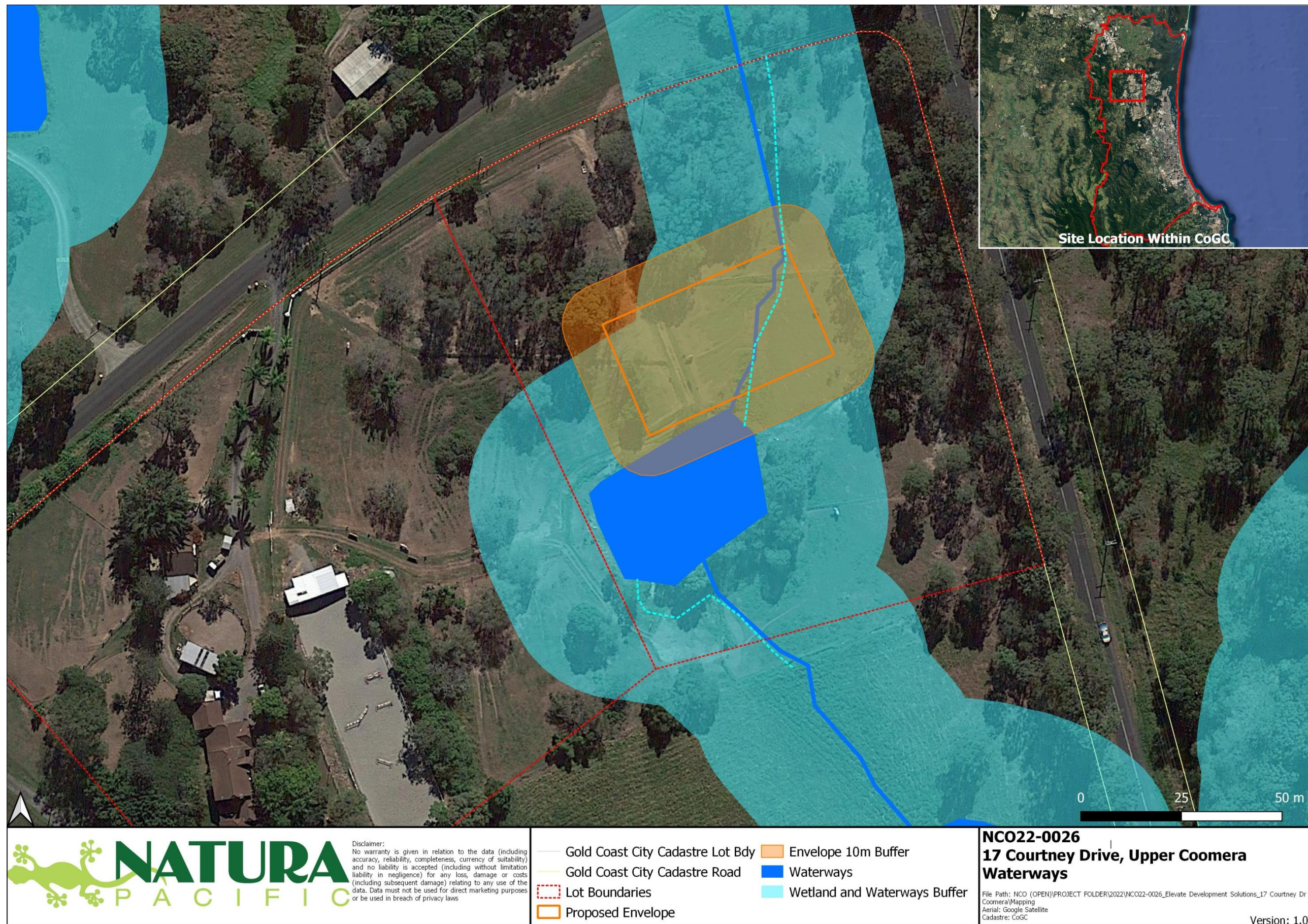


Figure 10 The subject site with waterway and wetland overlay (dark blue solid line) and the ground-truthed location of the waterway (aqua dotted line).

5 Impact Management Plan

Table 7 below summarises the expected environmental impacts of the proposed development against relevant legislation at either local or state government where applicable.

Table 7 Potential environmental impacts of the 17 Courtney Drive, Upper Coomera

Matter	Description of activity	Legislative trigger and Performance Outcome (PO) if relevant	PO Description	Acceptable Outcome (AO) if relevant	AO Description	Significance	Impacts of development	Requirements for maintaining viability
Matters of State Environmental Significance – Essential Habitat for an Endangered or Vulnerable species	Fauna habitat removal adjacent Essential Habitat areas	State Government <i>Nature Conservation Act 1992</i>	N/A	N/A	N/A	Native vegetation that is MSES – Essential Habitat is present within the footprint of proposed Lot 2. This vegetation has been verified on site as native vegetation that is potential habitat for Koala (see below).	The proposed building envelope (Figure 1) is approximately 0.15 ha with a 10m buffer to surrounding vegetation that is mapped as MSES – Wildlife Habitat. Therefore, none of this priority vegetation is likely to require removal. However, further indirect impacts of the development may occur to the surrounding vegetation and within the 10m buffer such as weed infiltration that could ultimately compromise the condition of the Koala habitat area, and further fragmentation of Koala movement.	- Should vegetation clearing be required, an operational works application is required by the CoGC council, and a supporting Vegetation Management Plan is likely to be required unless works are otherwise exempt clearing under the planning scheme. - Any vegetation clearing should be limited to the extent that is necessary to develop the proposed works footprint and avoid all Essential Habitat vegetation.
Koala Habitat Areas	Vegetation removal adjacent Koala Habitat areas	Local Government <i>Priority Species Overlay (PO13)</i>	Assessable koala feed and shelter trees are protected in situ when they are located: a. in koala habitat areas as identified on the Environmental significance – priority species overlay map ; and within biodiversity areas as identified on the Environmental significance – biodiversity areas overlay map .	AO13	Development does not impact on assessable koala feed and shelter trees.	Native vegetation that is mapped under the City Plan as Koala habitat areas being present within the site footprint. This vegetation has been verified on site as native vegetation that is potential habitat for Koala including <i>Eucalyptus propinqua</i> in VTs 2 and 3 and <i>E. tereticornis</i> in VT4, as well as a range of other species from the genus <i>Eucalyptus</i> as well as <i>Angophora leiocarpa</i> and <i>Lophostemon confertus</i> which are sometimes used by Koalas as fodder.	The proposed building envelope (Figure 1) is approximately 0.15 ha with a 10m buffer to surrounding vegetation that is mapped as Koala habitat areas. Therefore, none of this priority vegetation is likely to require removal. However, further indirect impacts of the development may occur to the surrounding vegetation and within the 10m buffer such as weed infiltration that could ultimately compromise the condition of the Koala habitat area, and further fragmentation of Koala movement.	- Vegetation clearing should be limited to what is necessary to construct the proposed development - Removal of assessable Koala feed and shelter trees is prohibited, as is the removal of any of the Koala habitat area mapped surrounding the works footprint. - Damage to any Koala feed and shelter trees is prohibited. - Where possible leave vehicles on the main-road and limit foot-traffic through the Koala habitat areas to the development footprint. - Site design should provide safe koala movement opportunities by incorporating measures to maintain connectivity between areas of koala habitat on and adjacent to the site.
Waterways	Works within waterways	Local Government <i>Wetlands and Waterways Overlay (PO5)</i>	Buffers are provided to wetlands and waterways identified on the Environmental significance – wetlands and waterways overlay map to ensure the:	AO5.1 – AO5.5	AO5.4 Buffers at least 60 m wide are provided between the development and the outer bank of a Major Waterway as identified on the Environmental	A waterway of local significance crosses the site footprint from north-east to south-west. The waterway at the south-western section appears to have been dammed and any flow is likely limited to overflow of the dam only. The dam is being used as a watering point. Due to this modification	Construction within the proposed building envelope may necessitate the modification of the minor waterway / drainage feature. There are also potential indirect impacts on the waterway (dam) such as sediment run-off which should be carefully managed.	Vegetation clearing should be limited to what is necessary to construct the proposed development and related activities and avoid removal of stabilizing bank vegetation wherever possible or provide alternative soil stabilization.

Matter	Description of activity	Legislative trigger and Performance Outcome (PO) if relevant	PO Description	Acceptable Outcome (AO) if relevant	AO Description	Significance	Impacts of development	Requirements for maintaining viability
			a. protection of matters of local environmental significance mapped onsite or identified through an ecological site assessment; b. unimpeded movement of fauna along the waterway; c. water quality is maintained; d. bank stability; and e. protection of property and infrastructure.		significance – wetlands and waterways overlay map. AO5.5 Buffers at least 30 m wide are provided between the development and the outer bank of a waterway as identified on the Environmental significance – wetlands and waterways overlay map.	and use the waterway provides limited habitat for fauna. The local significant waterway that crosses the site around the centre was not apparent in the survey and is likely a minor drainage line that is currently dry and terminates on the other side of Courtney Drive. The mapped local waterway was found to mostly have small defined banks and bed, and some native riparian vegetation present. There was however no aquatic habitat available for fish etc., apart from the dam itself.		• Appropriate erosion and sediment control measures to be implemented. • Revegetation of the waterway is recommended in exchange for a reduction of the required 30m buffer from the works footprint. The revegetation works should include: ○ Confirmation with City of Gold Coast Council that a reduced buffer can be permitted (reduction of buffer to be determined based on dwelling location within proposed building envelope) ○ Operational Works application for vegetation clearing with supporting Vegetation Management Plan and Rehabilitation Management Plan ○ Implementation of a Rehabilitation Management Plan to guide works ○ Monitoring of rehabilitation works and by a suitably-qualified ecologist throughout establishment and on-maintenance periods

6 Ecological function and significance – Recommendations

6.1 Koala habitat areas

Numerous potential Koala feed and shelter trees were found adjacent to the construction footprint including in VT3.

It is recommended that all assessable feed and shelter trees for Koalas are retained within the site and that where rehabilitation occurs for the waterway, that Koala feed and shelter trees are selected wherever practical. It is understood however that the project may present a potential barrier to movement between areas of Koala habitat. It is therefore recommended that the project be designed to provide safe Koala movement opportunities wherever possible. This might include native vegetation rehabilitation outside of that required for the waterway and extending down the eastern side of the property in a more contiguous corridor than at present.

Further to this, it is recommended that measures be implemented to mitigate threats to Koalas as a result of the clearing and construction activities. These management measures should be documented within a project specific fauna management plan and include provisions for:

- use of qualified koala spotter
- exclusion zones and escape route established for any Koalas identified
- staged clearing
- prohibition of domestic dogs and security dogs on site
- use of fauna exclusion / fauna friendly fencing as appropriate

6.2 Vegetation management

Sections of general and medium priority vegetation are mapped adjacent to the site and have been confirmed through this ecological assessment process. It is recommended that native vegetation, particularly significant sized and habitat trees are retained throughout the site and that any areas available for rehabilitation following completion of the project are rehabilitated with native vegetation consistent with the pre-clearing remnant vegetation type.

6.3 Waterways

The alignment of the proposed works footprint / building envelope crosses a waterway identified on the '*Environmental significance – wetlands and waterways*' overlay map. This waterway was assessed on site and ground-truthed against the mapped location and was found to be largely consistent with the mapped location. The banks were mostly clearly defined with wetland flora species present however, no flowing or standing water was observed in the northern section of the water (the section proposed to be impacted by the construction works).

It is recommended that the waterway is retained in its current location. Should it not be possible to retain the dam and drainage lines in their present form, this is to be addressed in an operational works application and supporting VMP and RMP to CoGC council. Should aquatic habitat require disturbance, a Fauna Management Plan / Dewatering Management Plan may also be required.

6.4 Further recommendations

If it is necessary to clear vegetation, an Operational Works – vegetation clearing application is required and CoGC will require fauna management to be undertaken by qualified Spotter Catcher with a current license issued by Queensland Parks and Wildlife. The fauna spotter must be present during clearing

activities as detailed by the Gold Coast City Plan Schedule 6.8 City Plan policy – Environmental management plans.

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8 Appendices

APPENDIX 1 – WildNet Search Results



Queensland Government

WildNet species list

Search Criteria: Species List for a Specified Point
Species: All
Type: All
Queensland status: All
Records: Confirmed
Date: Since 1980
Latitude: -27.8638
Longitude: 153.2834
Distance: 5
Email: joanna.pittard@natura-pacific.com
Date submitted: Monday 21 Nov 2022 13:29:17
Date extracted: Monday 21 Nov 2022 13:30:02

The number of records retrieved = 731

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Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufonidae	<i>Rhinella marina</i>	cane toad	Y			21
animals	amphibians	Hylidae	<i>Litoria caerulea</i>	common green treefrog		C		2
animals	amphibians	Hylidae	<i>Litoria fallax</i>	eastern sedgefrog		C		14
animals	amphibians	Hylidae	<i>Litoria gracilentia</i>	graceful treefrog		C		5
animals	amphibians	Hylidae	<i>Litoria latopalmata</i>	broad palmed rocketfrog		C		1
animals	amphibians	Hylidae	<i>Litoria nasuta</i>	striped rocketfrog		C		4
animals	amphibians	Hylidae	<i>Litoria rubella</i>	ruddy treefrog		C		1
animals	amphibians	Hylidae	<i>Litoria wilcoxii</i>	eastern stony creek frog		C		1
animals	amphibians	Limnodynastidae	<i>Adelotus brevis</i>	tusked frog		V		3
animals	amphibians	Limnodynastidae	<i>Limnodynastes peronii</i>	striped marshfrog		C		11
animals	amphibians	Limnodynastidae	<i>Platyplectrum ornatum</i>	ornate burrowing frog		C		8
animals	amphibians	Myobatrachidae	<i>Crinia parinsignifera</i>	beeping froglet		C		11
animals	amphibians	Myobatrachidae	<i>Crinia signifera</i>	clicking froglet		C		10
animals	amphibians	Myobatrachidae	<i>Crinia tinnula</i>	wallum froglet		V		2
animals	amphibians	Myobatrachidae	<i>Mixophyes fasciolatus</i>	great barred frog		C		2
animals	amphibians	Myobatrachidae	<i>Pseudophryne coriacea</i>	red backed broodfrog		C		1
animals	amphibians	Myobatrachidae	<i>Pseudophryne raveni</i>	copper backed broodfrog		C		2
animals	amphibians	Myobatrachidae	<i>Uperoleia fusca</i>	dusky gungan		C		1
animals	birds	Acanthizidae	<i>Acanthiza lineata</i>	striated thornbill		C		3
animals	birds	Acanthizidae	<i>Acanthiza pusilla</i>	brown thornbill		C		9
animals	birds	Acanthizidae	<i>Gerygone levigaster</i>	mangrove gerygone		C		3
animals	birds	Acanthizidae	<i>Gerygone olivacea</i>	white-throated gerygone		C		8
animals	birds	Acanthizidae	<i>Sericornis frontalis</i>	white-browed scrubwren		C		8
animals	birds	Acanthizidae	<i>Sericornis magnirostra</i>	large-billed scrubwren		C		1
animals	birds	Accipitridae	<i>Accipiter cirrocephalus</i>	collared sparrowhawk		C		1
animals	birds	Accipitridae	<i>Accipiter fasciatus</i>	brown goshawk		C		4
animals	birds	Accipitridae	<i>Accipiter novaehollandiae</i>	grey goshawk		C		8
animals	birds	Accipitridae	<i>Aquila audax</i>	wedge-tailed eagle		C		5
animals	birds	Accipitridae	<i>Aviceda subcristata</i>	Pacific baza		C		4
animals	birds	Accipitridae	<i>Circus approximans</i>	swamp harrier		C		1
animals	birds	Accipitridae	<i>Elanus axillaris</i>	black-shouldered kite		C		5
animals	birds	Accipitridae	<i>Erythroriorchis radiatus</i>	red goshawk		E	V	1
animals	birds	Accipitridae	<i>Haliastur indus</i>	brahminy kite		C		4
animals	birds	Accipitridae	<i>Haliastur sphenurus</i>	whistling kite		C		11
animals	birds	Aegothelidae	<i>Aegotheles cristatus</i>	Australian owl-nightjar		C		2
animals	birds	Alcedinidae	<i>Ceyx azureus</i>	azure kingfisher		C		3
animals	birds	Anatidae	<i>Anas castanea</i>	chestnut teal		C		10
animals	birds	Anatidae	<i>Anas gracilis</i>	grey teal		C		6
animals	birds	Anatidae	<i>Anas superciliosa</i>	Pacific black duck		C		19
animals	birds	Anatidae	<i>Aythya australis</i>	hardhead		C		7
animals	birds	Anatidae	<i>Chenonetta jubata</i>	Australian wood duck		C		28
animals	birds	Anatidae	<i>Cygnus atratus</i>	black swan		C		3
animals	birds	Anatidae	<i>Dendrocygna arcuata</i>	wandering whistling-duck		C		4
animals	birds	Anatidae	<i>Dendrocygna eytoni</i>	plumed whistling-duck		C		10
animals	birds	Anhingidae	<i>Anhinga novaehollandiae</i>	Australasian darter		C		8
animals	birds	Anseranatidae	<i>Anseranas semipalmata</i>	magpie goose		C		5

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Apodidae	<i>Hirundapus caudacutus</i>	white-throated needletail		V	V	2
animals	birds	Ardeidae	<i>Ardea alba modesta</i>	eastern great egret		C		13
animals	birds	Ardeidae	<i>Ardea intermedia</i>	intermediate egret		C		6
animals	birds	Ardeidae	<i>Ardea pacifica</i>	white-necked heron		C		3
animals	birds	Ardeidae	<i>Bubulcus ibis</i>	cattle egret		C		21
animals	birds	Ardeidae	<i>Butorides striata</i>	striated heron		C		2
animals	birds	Ardeidae	<i>Egretta garzetta</i>	little egret		C		3
animals	birds	Ardeidae	<i>Egretta novaehollandiae</i>	white-faced heron		C		16
animals	birds	Ardeidae	<i>Nycticorax caledonicus</i>	nankeen night-heron		C		2
animals	birds	Artamidae	<i>Artamus leucorhynchus</i>	white-breasted woodswallow		C		8
animals	birds	Artamidae	<i>Artamus personatus</i>	masked woodswallow		C		1
animals	birds	Artamidae	<i>Cracticus nigrogularis</i>	pied butcherbird		C		30
animals	birds	Artamidae	<i>Cracticus torquatus</i>	grey butcherbird		C		16
animals	birds	Artamidae	<i>Gymnorhina tibicen</i>	Australian magpie		C		45
animals	birds	Artamidae	<i>Strepera graculina</i>	pied currawong		C		28
animals	birds	Artamidae	<i>Strepera graculina graculina</i>	pied currawong (eastern Australia)		C		1
animals	birds	Burhinidae	<i>Burhinus grallarius</i>	bush stone-curlew		C		1
animals	birds	Cacatuidae	<i>Cacatua galerita</i>	sulphur-crested cockatoo		C		31
animals	birds	Cacatuidae	<i>Cacatua sanguinea</i>	little corella		C		4
animals	birds	Cacatuidae	<i>Calyptorhynchus banksii</i>	red-tailed black-cockatoo		C		1
animals	birds	Cacatuidae	<i>Calyptorhynchus funereus</i>	yellow-tailed black-cockatoo		C		7
animals	birds	Cacatuidae	<i>Calyptorhynchus lathamii</i>	glossy black-cockatoo		V		2
animals	birds	Cacatuidae	<i>Calyptorhynchus lathamii lathamii</i>	glossy black-cockatoo (eastern)		V	V	14
animals	birds	Cacatuidae	<i>Eolophus roseicapilla</i>	galah		C		24
animals	birds	Cacatuidae	<i>Nymphicus hollandicus</i>	cockatiel		C		1
animals	birds	Campephagidae	<i>Coracina novaehollandiae</i>	black-faced cuckoo-shrike		C		42
animals	birds	Campephagidae	<i>Coracina papuensis</i>	white-bellied cuckoo-shrike		C		3
animals	birds	Campephagidae	<i>Edolisoma tenuirostre</i>	common cicadabird		C		12
animals	birds	Campephagidae	<i>Lalage leucomela</i>	varied triller		C		3
animals	birds	Campephagidae	<i>Lalage tricolor</i>	white-winged triller		C		1
animals	birds	Charadriidae	<i>Elseya melanops</i>	black-fronted dotterel		C		3
animals	birds	Charadriidae	<i>Erythronyx cinctus</i>	red-kneed dotterel		C		1
animals	birds	Charadriidae	<i>Vanellus miles</i>	masked lapwing		C		1
animals	birds	Charadriidae	<i>Vanellus miles novaehollandiae</i>	masked lapwing (southern subspecies)		C		29
animals	birds	Ciconiidae	<i>Ephippiorhynchus asiaticus</i>	black-necked stork		C		4
animals	birds	Cisticolidae	<i>Cisticola exilis</i>	golden-headed cisticola		C		8
animals	birds	Climacteridae	<i>Climacteris picumnus</i>	brown treecreeper		C		3
animals	birds	Climacteridae	<i>Cormobates leucophaea metastasis</i>	white-throated treecreeper (southern)		C		17
animals	birds	Columbidae	<i>Chalcophaps longirostris</i>	Pacific emerald dove		C		1
animals	birds	Columbidae	<i>Columba leucomela</i>	white-headed pigeon		C		2
animals	birds	Columbidae	<i>Columba livia</i>	rock dove	Y			10
animals	birds	Columbidae	<i>Geopelia humeralis</i>	bar-shouldered dove		C		13
animals	birds	Columbidae	<i>Geopelia placida</i>	peaceful dove		C		12
animals	birds	Columbidae	<i>Lopholaimus antarcticus</i>	topknot pigeon		C		3
animals	birds	Columbidae	<i>Macropygia amboinensis</i>	brown cuckoo-dove		C		12
animals	birds	Columbidae	<i>Ocyphaps lophotes</i>	crested pigeon		C		24

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animals	birds	Columbidae	<i>Phaps chalcoptera</i>	common bronzewing		C		12
animals	birds	Columbidae	<i>Streptopelia chinensis</i>	spotted dove	Y			12
animals	birds	Coraciidae	<i>Eurystomus orientalis</i>	dollarbird		C		9
animals	birds	Corvidae	<i>Corvus coronoides</i>	Australian raven		C		1
animals	birds	Corvidae	<i>Corvus orru</i>	Torresian crow		C		53
animals	birds	Cuculidae	<i>Cacomantis flabelliformis</i>	fan-tailed cuckoo		C		10
animals	birds	Cuculidae	<i>Cacomantis variolosus</i>	brush cuckoo		C		3
animals	birds	Cuculidae	<i>Centropus phasianinus</i>	pheasant coucal		C		17
animals	birds	Cuculidae	<i>Chalcites lucidus</i>	shining bronze-cuckoo		C		5
animals	birds	Cuculidae	<i>Eudynamys orientalis</i>	eastern koel		C		6
animals	birds	Cuculidae	<i>Scythrops novaehollandiae</i>	channel-billed cuckoo		C		3
animals	birds	Dicruridae	<i>Dicrurus bracteatus</i>	spangled drongo		C		15
animals	birds	Dicruridae	<i>Dicrurus bracteatus bracteatus</i>	spangled drongo (eastern Australia)		C		2
animals	birds	Estrildidae	<i>Lonchura castaneothorax</i>	chestnut-breasted mannikin		C		4
animals	birds	Estrildidae	<i>Lonchura punctulata</i>	nutmeg mannikin	Y			1
animals	birds	Estrildidae	<i>Neochmia temporalis</i>	red-browed finch		C		15
animals	birds	Estrildidae	<i>Taeniopygia bichenovii</i>	double-barred finch		C		5
animals	birds	Eurostopodidae	<i>Eurostopodus mystacalis</i>	white-throated nightjar		C		2
animals	birds	Falconidae	<i>Falco berigora</i>	brown falcon		C		2
animals	birds	Falconidae	<i>Falco cenchroides</i>	nankeen kestrel		C		3
animals	birds	Halcyonidae	<i>Dacelo novaeguineae</i>	laughing kookaburra		C		41
animals	birds	Halcyonidae	<i>Todiramphus macleayii</i>	forest kingfisher		C		10
animals	birds	Halcyonidae	<i>Todiramphus sanctus</i>	sacred kingfisher		C		10
animals	birds	Halcyonidae	<i>Todiramphus sordidus</i>	Torresian kingfisher		C		2
animals	birds	Hirundinidae	<i>Hirundo neoxena</i>	welcome swallow		C		28
animals	birds	Hirundinidae	<i>Petrochelidon ariel</i>	fairy martin		C		6
animals	birds	Hirundinidae	<i>Petrochelidon nigricans</i>	tree martin		C		3
animals	birds	Jacanidae	<i>Irediparra gallinacea</i>	comb-crested jacana		C		4
animals	birds	Laridae	<i>Sternula albifrons</i>	little tern		SL		1
animals	birds	Maluridae	<i>Malurus cyaneus</i>	superb fairy-wren		C		15
animals	birds	Maluridae	<i>Malurus lamberti</i>	variegated fairy-wren		C		10
animals	birds	Maluridae	<i>Malurus melanocephalus</i>	red-backed fairy-wren		C		16
animals	birds	Megaluridae	<i>Cincloramphus timoriensis</i>	tawny grassbird		C		5
animals	birds	Megapodiidae	<i>Alectura lathamii</i>	Australian brush-turkey		C		1
animals	birds	Meliphagidae	<i>Acanthorhynchus tenuirostris</i>	eastern spinebill		C		3
animals	birds	Meliphagidae	<i>Anthochaera chrysoptera</i>	little wattlebird		C		3
animals	birds	Meliphagidae	<i>Caligavis chrysops</i>	yellow-faced honeyeater		C		11
animals	birds	Meliphagidae	<i>Entomyzon cyanotis</i>	blue-faced honeyeater		C		8
animals	birds	Meliphagidae	<i>Lichmera indistincta</i>	brown honeyeater		C		25
animals	birds	Meliphagidae	<i>Manorina melanocephala</i>	noisy miner		C		33
animals	birds	Meliphagidae	<i>Manorina melanophrys</i>	bell miner		C		1
animals	birds	Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater		C		29
animals	birds	Meliphagidae	<i>Melithreptus albogularis</i>	white-throated honeyeater		C		15
animals	birds	Meliphagidae	<i>Melithreptus lunatus</i>	white-naped honeyeater		C		4
animals	birds	Meliphagidae	<i>Myzomela sanguinolenta</i>	scarlet honeyeater		C		17
animals	birds	Meliphagidae	<i>Philemon citreogularis</i>	little friarbird		C		5

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animals	birds	Meliphagidae	<i>Philemon corniculatus</i>	noisy friarbird		C		16
animals	birds	Meliphagidae	<i>Phylidonyris niger</i>	white-cheeked honeyeater		C		2
animals	birds	Meliphagidae	<i>Plectorhyncha lanceolata</i>	striped honeyeater		C		6
animals	birds	Meliphagidae	<i>Ptilotula fusca</i>	fuscous honeyeater		C		1
animals	birds	Meropidae	<i>Merops ornatus</i>	rainbow bee-eater		C		16
animals	birds	Monarchidae	<i>Carterornis leucotis</i>	white-eared monarch		C		1
animals	birds	Monarchidae	<i>Grallina cyanoleuca</i>	maggie-lark		C		34
animals	birds	Monarchidae	<i>Myiagra cyanoleuca</i>	satin flycatcher		SL		1
animals	birds	Monarchidae	<i>Myiagra inquieta</i>	restless flycatcher		C		3
animals	birds	Monarchidae	<i>Myiagra rubecula</i>	leaden flycatcher		C		6
animals	birds	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian pipit		C		3
animals	birds	Nectariniidae	<i>Dicaeum hirundinaceum</i>	mistletoebird		C		4
animals	birds	Neosittidae	<i>Daphoenositta chrysoptera</i>	varied sittella		C		5
animals	birds	Oriolidae	<i>Oriolus sagittatus</i>	olive-backed oriole		C		9
animals	birds	Oriolidae	<i>Sphecotheres vieilloti</i>	Australasian figbird		C		20
animals	birds	Pachycephalidae	<i>Colluricincla harmonica</i>	grey shrike-thrush		C		20
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis</i>	golden whistler		C		13
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis youngi</i>	golden whistler (south-eastern Australia)		C		2
animals	birds	Pachycephalidae	<i>Pachycephala rufiventris</i>	rufous whistler		C		13
animals	birds	Pardalotidae	<i>Pardalotus punctatus</i>	spotted pardalote		C		4
animals	birds	Pardalotidae	<i>Pardalotus striatus</i>	striated pardalote		C		17
animals	birds	Passeridae	<i>Passer domesticus</i>	house sparrow	Y			4
animals	birds	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian pelican		C		6
animals	birds	Petroicidae	<i>Eopsaltria australis</i>	eastern yellow robin		C		12
animals	birds	Petroicidae	<i>Petroica rosea</i>	rose robin		C		6
animals	birds	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	little pied cormorant		C		9
animals	birds	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	great cormorant		C		4
animals	birds	Phalacrocoracidae	<i>Phalacrocorax sulcirostris</i>	little black cormorant		C		10
animals	birds	Phalacrocoracidae	<i>Phalacrocorax varius</i>	pied cormorant		C		3
animals	birds	Phasianidae	<i>Pavo cristatus</i>	Indian peafowl	Y			3
animals	birds	Phasianidae	<i>Synoicus ypsilophorus</i>	brown quail		C		2
animals	birds	Podargidae	<i>Podargus strigoides</i>	tawny frogmouth		C		7
animals	birds	Podicipedidae	<i>Tachybaptus novaehollandiae</i>	Australasian grebe		C		6
animals	birds	Pomatostomidae	<i>Pomatostomus temporalis</i>	grey-crowned babbler		C		4
animals	birds	Psittacidae	<i>Alisterus scapularis</i>	Australian king-parrot		C		5
animals	birds	Psittacidae	<i>Aprosmictus erythropterus</i>	red-winged parrot		C		1
animals	birds	Psittacidae	<i>Parvipsitta pusilla</i>	little lorikeet		C		8
animals	birds	Psittacidae	<i>Platycercus adscitus</i>	pale-headed rosella		C		16
animals	birds	Psittacidae	<i>Platycercus adscitus palliceps</i>	pale-headed rosella (southern form)		C		2
animals	birds	Psittacidae	<i>Platycercus elegans</i>	crimson rosella		C		1
animals	birds	Psittacidae	<i>Platycercus eximius</i>	eastern rosella		C		3
animals	birds	Psittacidae	<i>Trichoglossus chlorolepidotus</i>	scaly-breasted lorikeet		C		24
animals	birds	Psittacidae	<i>Trichoglossus moluccanus</i>	rainbow lorikeet		C		49
animals	birds	Psophodidae	<i>Psophodes olivaceus</i>	eastern whipbird		C		25
animals	birds	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	satin bowerbird		C		1

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animals	birds	Ptilonorhynchidae	<i>Sericulus chrysocephalus</i>	regent bowerbird		C		1
animals	birds	Rallidae	<i>Fulica atra</i>	Eurasian coot		C		8
animals	birds	Rallidae	<i>Gallinula tenebrosa</i>	dusky moorhen		C		16
animals	birds	Rallidae	<i>Gallirallus philippensis</i>	buff-banded rail		C		3
animals	birds	Rallidae	<i>Lewinia pectoralis</i>	Lewin's rail		C		1
animals	birds	Rallidae	<i>Porphyrio melanotus</i>	purple swamphen		C		17
animals	birds	Recurvirostridae	<i>Himantopus himantopus</i>	black-winged stilt		C		4
animals	birds	Rhipiduridae	<i>Rhipidura albiscapa</i>	grey fantail		C		27
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys</i>	willie wagtail		C		29
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys leucophrys</i>	willie wagtail (southern)		C		2
animals	birds	Rhipiduridae	<i>Rhipidura rufifrons</i>	rufous fantail		SL		3
animals	birds	Scolopacidae	<i>Calidris acuminata</i>	sharp-tailed sandpiper		SL		2
animals	birds	Scolopacidae	<i>Gallinago hardwickii</i>	Latham's snipe		SL		1
animals	birds	Scolopacidae	<i>Tringa stagnatilis</i>	marsh sandpiper		SL		1
animals	birds	Strigidae	<i>Ninox boobook</i>	southern boobook		C		9
animals	birds	Strigidae	<i>Ninox strenua</i>	powerful owl		V		15
animals	birds	Sturnidae	<i>Acridotheres tristis</i>	common myna	Y			5
animals	birds	Sturnidae	<i>Sturnus vulgaris</i>	common starling	Y			8
animals	birds	Threskiornithidae	<i>Platalea regia</i>	royal spoonbill		C		12
animals	birds	Threskiornithidae	<i>Plegadis falcinellus</i>	glossy ibis		SL		2
animals	birds	Threskiornithidae	<i>Threskiornis molucca</i>	Australian white ibis		C		29
animals	birds	Threskiornithidae	<i>Threskiornis spinicollis</i>	straw-necked ibis		C		13
animals	birds	Timaliidae	<i>Zosterops lateralis</i>	silveryeye		C		14
animals	birds	Timaliidae	<i>Zosterops lateralis cornwalli</i>	silveryeye (eastern)		C		1
animals	insects	Aeshnidae	<i>Adversaeschna brevistyla</i>	blue-spotted hawk				1
animals	insects	Corduliidae	<i>Hemicordulia australiae</i>	Australian emerald				7
animals	insects	Diphlebiidae	<i>Diphlebia coerulescens</i>	sapphire rockmaster				1
animals	insects	Hesperiidae	<i>Ocybadistes walkeri sothis</i>	green grass-dart				1
animals	insects	Hesperiidae	<i>Trapezites symmommus symmommus</i>	splendid ochre				1
animals	insects	Libellulidae	<i>Diplacodes bipunctata</i>	wandering percher				3
animals	insects	Libellulidae	<i>Diplacodes haematodes</i>	scarlet percher				1
animals	insects	Libellulidae	<i>Rhyothemis graphiptera</i>	graphic flutterer				1
animals	insects	Libellulidae	<i>Rhyothemis phyllis chloe</i>	yellow-striped flutterer				1
animals	insects	Libellulidae	<i>Tramea loewii</i>	common glider				2
animals	insects	Lycaenidae	<i>Candalides erinus erinus</i>	small dusky-blue				7
animals	insects	Lycaenidae	<i>Zizina otis labradus</i>	common grass-blue (Australian subspecies)				3
animals	insects	Nymphalidae	<i>Charaxes sempronius sempronius</i>	tailed emperor				1
animals	insects	Nymphalidae	<i>Danaus petilia</i>	lesser wanderer				1
animals	insects	Nymphalidae	<i>Danaus plexippus</i>	monarch	Y			4
animals	insects	Nymphalidae	<i>Euploea corinna</i>	common crow				16
animals	insects	Nymphalidae	<i>Euploea tulliolus tulliolus</i>	purple crow				2
animals	insects	Nymphalidae	<i>Heteronympha merope merope</i>	common brown				1
animals	insects	Nymphalidae	<i>Hypocysta adiante adiante</i>	orange ringlet				1
animals	insects	Nymphalidae	<i>Hypocysta metirius</i>	brown ringlet				7
animals	insects	Nymphalidae	<i>Junonia villida villida</i>	meadow argus				2

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animals	insects	Nymphalidae	<i>Melanitis leda bankia</i>	evening brown				11
animals	insects	Nymphalidae	<i>Phaedyman shepherdii shepherdii</i>	white-banded plane (southern subspecies)				1
animals	insects	Nymphalidae	<i>Tirumala hamata hamata</i>	blue tiger				2
animals	insects	Papilionidae	<i>Cressida cressida cressida</i>	clearwing swallowtail				1
animals	insects	Papilionidae	<i>Graphium choredon</i>	blue triangle				2
animals	insects	Papilionidae	<i>Graphium eurypylus lycaon</i>	pale triangle				1
animals	insects	Papilionidae	<i>Papilio aegaeus</i>					3
animals	insects	Pieridae	<i>Belenois java teutonia</i>	caper white				2
animals	insects	Pieridae	<i>Catopsilia pomona</i>	lemon migrant				3
animals	insects	Pieridae	<i>Delias argenthona argenthona</i>	scarlet jezebel				1
animals	insects	Pieridae	<i>Eurema hecabe</i>	large grass-yellow				5
animals	insects	Pieridae	<i>Pieris rapae</i>	cabbage white	Y			1
animals	insects	Platycnemididae	<i>Nososticta solida</i>	orange threadtail				1
animals	malacostracans	Atyidae	<i>Australatya striolata</i>	rifle shrimp				1
animals	malacostracans	Parastacidae	<i>Cherax depressus</i>					1
animals	mammals	Bovidae	<i>Bos sp.</i>	cattle	Y			1
animals	mammals	Canidae	<i>Canis familiaris</i>	dog	Y			3
animals	mammals	Canidae	<i>Canis familiaris (dingo)</i>	dingo				1
animals	mammals	Canidae	<i>Vulpes vulpes</i>	red fox	Y			5
animals	mammals	Dasyuridae	<i>Antechinus flavipes flavipes</i>	yellow-footed antechinus (south-east Queensland)			C	19
animals	mammals	Dasyuridae	<i>Antechinus stuartii</i>	brown antechinus			C	1
animals	mammals	Dasyuridae	<i>Planigale maculata</i>	common planigale			C	1
animals	mammals	Dasyuridae	<i>Sminthopsis murina</i>	common dunnart			C	1
animals	mammals	Emballonuridae	<i>Saccolaimus flaviventris</i>	yellow-bellied sheath-tail bat			C	1
animals	mammals	Equidae	<i>Equus caballus</i>	horse	Y			1
animals	mammals	Equidae	<i>Equus sp.</i>		Y			1
animals	mammals	Felidae	<i>Felis catus</i>	cat	Y			3
animals	mammals	Leporidae	<i>Lepus europaeus</i>	European brown hare	Y			8
animals	mammals	Macropodidae	<i>Macropus giganteus</i>	eastern grey kangaroo			C	9
animals	mammals	Macropodidae	<i>Notamacropus rufogriseus</i>	red-necked wallaby			C	12
animals	mammals	Macropodidae	<i>Wallabia bicolor</i>	swamp wallaby			C	6
animals	mammals	Miniopteridae	<i>Miniopterus australis</i>	little bent-wing bat			C	7
animals	mammals	Molossidae	<i>Austronomus australis</i>	white-striped freetail bat			C	7
animals	mammals	Muridae	<i>Hydromys chrysogaster</i>	water rat			C	1
animals	mammals	Muridae	<i>Melomys cervinipes</i>	fawn-footed melomys			C	15
animals	mammals	Muridae	<i>Mus musculus</i>	house mouse	Y			2
animals	mammals	Muridae	<i>Rattus fuscipes</i>	bush rat			C	11
animals	mammals	Muridae	<i>Rattus lutreolus</i>	swamp rat			C	2
animals	mammals	Muridae	<i>Rattus rattus</i>	black rat	Y			5
animals	mammals	Ornithorhynchidae	<i>Ornithorhynchus anatinus</i>	platypus			SL	10
animals	mammals	Peramelidae	<i>Isodon macrourus</i>	northern brown bandicoot			C	13
animals	mammals	Peramelidae	<i>Perameles nasuta</i>	long-nosed bandicoot			C	1
animals	mammals	Petauridae	<i>Petaurus breviceps sensu lato</i>	sugar glider			C	4
animals	mammals	Petauridae	<i>Petaurus norfolcensis</i>	squirrel glider			C	5

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animals	mammals	Phalangeridae	<i>Trichosurus caninus</i>	short-eared possum		C		1
animals	mammals	Phalangeridae	<i>Trichosurus vulpecula</i>	common brushtail possum		C		17
animals	mammals	Phascolarctidae	<i>Phascolarctos cinereus</i>	koala		E	E	146
animals	mammals	Pseudocheiridae	<i>Petauroides armillatus</i>	central greater glider		E	E	1
animals	mammals	Pseudocheiridae	<i>Pseudocheirus peregrinus</i>	common ringtail possum		C		2
animals	mammals	Pteropodidae	<i>Pteropus alecto</i>	black flying-fox		C		12
animals	mammals	Pteropodidae	<i>Pteropus poliocephalus</i>	grey-headed flying-fox		C	V	12
animals	mammals	Pteropodidae	<i>Pteropus scapulatus</i>	little red flying-fox		C		5
animals	mammals	Pteropodidae	<i>Pteropus sp.</i>			C		1
animals	mammals	Pteropodidae	<i>Syconycteris australis</i>	eastern blossom bat		C		1
animals	mammals	Tachyglossidae	<i>Tachyglossus aculeatus</i>	short-beaked echidna		SL		2
animals	mammals	Vespertilionidae	<i>Chalinolobus gouldii</i>	Gould's wattled bat		C		5
animals	mammals	Vespertilionidae	<i>Chalinolobus morio</i>	chocolate wattled bat		C		1
animals	mammals	Vespertilionidae	<i>Chalinolobus nigrogriseus</i>	hoary wattled bat		C		3
animals	mammals	Vespertilionidae	<i>Myotis macropus</i>	large-footed myotis		C		1
animals	mammals	Vespertilionidae	<i>Nyctophilus gouldi</i>	Gould's long-eared bat		C		2
animals	mammals	Vespertilionidae	<i>Scotorepens greyii</i>	little broad-nosed bat		C		3
animals	mammals	Vespertilionidae	<i>Scotorepens orion</i>	south-eastern broad-nosed bat		C		2
animals	mammals	Vespertilionidae	<i>Vespadelus pumilus</i>	eastern forest bat		C		2
animals	ray-finned fishes	Ambassidae	<i>Ambassis agassizii</i>	Agassiz's glassfish				1
animals	ray-finned fishes	Anguillidae	<i>Anguilla australis</i>	southern shortfin eel				3
animals	ray-finned fishes	Anguillidae	<i>Anguilla reinhardtii</i>	longfin eel				6
animals	ray-finned fishes	Eleotridae	<i>Gobiomorphus australis</i>	striped gudgeon				4
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris compressa</i>	empire gudgeon				4
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris galii</i>	firetail gudgeon				5
animals	ray-finned fishes	Eleotridae	<i>Mogurnda adspersa</i>	southern purplespotted gudgeon				1
animals	ray-finned fishes	Melanotaeniidae	<i>Melanotaenia duboulayi</i>	crimsonspotted rainbowfish				3
animals	ray-finned fishes	Mugilidae	<i>Mugil cephalus</i>	sea mullet				2
animals	ray-finned fishes	Plotosidae	<i>Tandanus tandanus</i>	freshwater catfish				2
animals	ray-finned fishes	Poeciliidae	<i>Gambusia holbrooki</i>	mosquitofish	Y			4
animals	ray-finned fishes	Poeciliidae	<i>Poecilia reticulata</i>	guppy	Y			1
animals	ray-finned fishes	Poeciliidae	<i>Xiphophorus hellerii</i>	swordtail	Y			1
animals	ray-finned fishes	Poeciliidae	<i>Xiphophorus maculatus</i>	platy	Y			2
animals	ray-finned fishes	Retropinnidae	<i>Retropinna semoni</i>	Australian smelt				1
animals	reptiles	Agamidae	<i>Intellagama lesueurii</i>	eastern water dragon		C		9
animals	reptiles	Agamidae	<i>Pogona barbata</i>	bearded dragon		C		3
animals	reptiles	Boidae	<i>Morelia spilota</i>	carpet python		C		1
animals	reptiles	Colubridae	<i>Boiga irregularis</i>	brown tree snake		C		1
animals	reptiles	Colubridae	<i>Dendrelaphis punctulatus</i>	green tree snake		C		5
animals	reptiles	Colubridae	<i>Tropidonophis mairii</i>	freshwater snake		C		1
animals	reptiles	Diplodactylidae	<i>Nebulifera robusta</i>	robust velvet gecko		C		1
animals	reptiles	Elapidae	<i>Cryptophis nigrescens</i>	eastern small-eyed snake		C		2
animals	reptiles	Elapidae	<i>Pseudechis porphyriacus</i>	red-bellied black snake		C		2
animals	reptiles	Elapidae	<i>Pseudonaja textilis</i>	eastern brown snake		C		1
animals	reptiles	Gekkonidae	<i>Hemidactylus frenatus</i>	house gecko	Y			1
animals	reptiles	Pygopodidae	<i>Lialis burtonis</i>	Burton's legless lizard		C		1

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animals	reptiles	Scincidae	<i>Calyptotis scutirostrum</i>	scute-snouted calyptotis		C		4
animals	reptiles	Scincidae	<i>Carlia vivax</i>	tussock rainbow-skink		C		3
animals	reptiles	Scincidae	<i>Concinnia martini</i>	dark bar-sided skink		C		1
animals	reptiles	Scincidae	<i>Concinnia tenuis</i>	bar-sided skink		C		1
animals	reptiles	Scincidae	<i>Cryptoblepharus pulcher pulcher</i>	elegant snake-eyed skink		C		13
animals	reptiles	Scincidae	<i>Ctenotus spaldingi</i>	straight-browed ctenotus		C		6
animals	reptiles	Scincidae	<i>Lampropholis amicula</i>	friendly sunskink		C		3
animals	reptiles	Scincidae	<i>Lampropholis delicata</i>	dark-flecked garden sunskink		C		32
animals	reptiles	Scincidae	<i>Lygisaurus foliorum</i>	tree-base litter-skink		C		1
animals	reptiles	Scincidae	<i>Saiphos equalis</i>	three-toed skink		C		1
animals	reptiles	Varanidae	<i>Varanus varius</i>	lace monitor		C		11
animals	uncertain	Indeterminate	<i>Indeterminate</i>	Unknown or Code Pending				67
fungi	Agaricomycetes	Auriculariaceae	<i>Auricularia</i>					2/2
fungi	Agaricomycetes	Corticaceae	<i>Corticium</i>			C		2/2
fungi	Agaricomycetes	Peniophoraceae	<i>Peniophora</i>					2/2
fungi	Agaricomycetes	Phanerochaetaceae	<i>Porostereum crassum</i>			C		4/4
fungi	Agaricomycetes	Polyporaceae	<i>Poria</i>					1/1
fungi	Agaricomycetes	Schizoporaceae	<i>Oxyporus latemarginatus</i>			C		1/1
fungi	sordariomycetes	Xylariaceae	<i>Hypoxylon</i>					2/2
plants	green algae	Schizomeridaceae	<i>Schizomeris leibleinii</i>			C		1/1
plants	land plants	Acanthaceae	<i>Hygrophila angustifolia</i>			C		1/1
plants	land plants	Acanthaceae	<i>Pseuderanthemum variabile</i>	pastel flower		C		1
plants	land plants	Alismataceae	<i>Sagittaria platyphylla</i>	sagittaria	Y			1/1
plants	land plants	Amaranthaceae	<i>Alternanthera brasiliana 'Rubiginosa'</i>		Y			1
plants	land plants	Amaranthaceae	<i>Deeringia amaranthoides</i>	redberry		C		1/1
plants	land plants	Amaryllidaceae	<i>Proiphys cunninghamii</i>	Moreton Bay lily		SL		2/1
plants	land plants	Anacardiaceae	<i>Rhodosphaera rhodanthema</i>	tulip satinwood		C		4/1
plants	land plants	Anacardiaceae	<i>Schinus terebinthifolius</i>		Y			3
plants	land plants	Annonaceae	<i>Meiogyne stenopetala</i>			C		1/1
plants	land plants	Apocynaceae	<i>Gomphocarpus physocarpus</i>	balloon cottonbush	Y			1
plants	land plants	Apocynaceae	<i>Leichhardtia lloydii</i>			C		1
plants	land plants	Apocynaceae	<i>Leichhardtia racemosa</i>			C		1/1
plants	land plants	Apocynaceae	<i>Parsonsia lanceolata</i>	northern silkpod		C		1
plants	land plants	Apocynaceae	<i>Parsonsia straminea</i>	monkey rope		C		7/2
plants	land plants	Apocynaceae	<i>Parsonsia ventricosa</i>			C		1/1
plants	land plants	Apocynaceae	<i>Vincetoxicum paniculatum</i>			C		1/1
plants	land plants	Araceae	<i>Gymnostachys anceps</i>	settler's flax		C		3
plants	land plants	Araceae	<i>Pothos longipes</i>			C		1/1
plants	land plants	Araliaceae	<i>Heptapleurum actinophyllum</i>			C		2
plants	land plants	Araliaceae	<i>Polyscias elegans</i>	celery wood		C		2
plants	land plants	Araliaceae	<i>Trachymene incisa subsp. incisa</i>			C		1
plants	land plants	Araucariaceae	<i>Araucaria cunninghamii var. cunninghamii</i>			C		1
plants	land plants	Arecaceae	<i>Archontophoenix cunninghamiana</i>	piccabeen palm		C		2
plants	land plants	Asparagaceae	<i>Asparagus</i>					1
plants	land plants	Asparagaceae	<i>Asparagus aethiopicus</i>	ground asparagus	Y			1
plants	land plants	Asparagaceae	<i>Asparagus falcatus</i>		Y			1/1

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plants	land plants	Asparagaceae	<i>Asparagus officinalis</i>	asparagus	Y			1
plants	land plants	Asparagaceae	<i>Asparagus plumosus</i>	feathered asparagus fern	Y			2
plants	land plants	Asteraceae	<i>Ageratina adenophora</i>	crofton weed	Y			1
plants	land plants	Asteraceae	<i>Ageratina riparia</i>	mistflower	Y			2
plants	land plants	Asteraceae	<i>Ageratum houstonianum</i>	blue billygoat weed	Y			3
plants	land plants	Asteraceae	<i>Ambrosia artemisiifolia</i>	annual ragweed	Y			1
plants	land plants	Asteraceae	<i>Baccharis halimifolia</i>	groundsel bush	Y			1
plants	land plants	Asteraceae	<i>Bidens pilosa</i>		Y			3
plants	land plants	Asteraceae	<i>Cassinia subtropica</i>			C		1
plants	land plants	Asteraceae	<i>Chrysanthemoides monilifera subsp. rotundata</i>	bitou bush	Y			2/2
plants	land plants	Asteraceae	<i>Chryscephalum apiculatum subsp. exile</i>			C		1
plants	land plants	Asteraceae	<i>Crassocephalum crepidioides</i>	thickhead	Y			1
plants	land plants	Asteraceae	<i>Eclipta prostrata</i>	white eclipta	Y			1/1
plants	land plants	Asteraceae	<i>Erigeron bonariensis</i>		Y			1
plants	land plants	Asteraceae	<i>Senecio madagascariensis</i>	fireweed	Y			1
plants	land plants	Asteraceae	<i>Sphaeromorphaea australis</i>			C		1/1
plants	land plants	Asteraceae	<i>Sphagneticola trilobata</i>		Y			2/1
plants	land plants	Atherospermataceae	<i>Daphnandra apatela</i>			C		1/1
plants	land plants	Balsaminaceae	<i>Impatiens walleriana</i>	balsam	Y			1/1
plants	land plants	Berberidopsidaceae	<i>Streptothamnus moorei</i>			C		1/1
plants	land plants	Bignoniaceae	<i>Pandorea pandorana</i>	wonga vine		C		2
plants	land plants	Blechnaceae	<i>Blechnum cartilagineum</i>	gristle fern		C		1
plants	land plants	Blechnaceae	<i>Blechnum neohollandicum</i>			C		5/1
plants	land plants	Blechnaceae	<i>Blechnum spinulosum</i>			SL		1
plants	land plants	Blechnaceae	<i>Telmatoblechnum indicum</i>			SL		1/1
plants	land plants	Brassicaceae	<i>Cardamine flexuosa</i>	wood bittercress	Y			1/1
plants	land plants	Brassicaceae	<i>Rorippa gigantea</i>			C		1/1
plants	land plants	Byttneriaceae	<i>Commersonia bartramia</i>	brown kurrajong		C		2
plants	land plants	Campanulaceae	<i>Lobelia purpurascens</i>	white root		SL		2
plants	land plants	Campanulaceae	<i>Wahlenbergia gracilis</i>	sprawling bluebell		SL		1/1
plants	land plants	Cannabaceae	<i>Aphananthe philippinensis</i>			C		1
plants	land plants	Cannabaceae	<i>Celtis sinensis</i>	Chinese elm	Y			1
plants	land plants	Cannabaceae	<i>Trema tomentosa var. aspera</i>			C		1
plants	land plants	Caprifoliaceae	<i>Lonicera japonica</i>	Japanese honeysuckle	Y			1
plants	land plants	Caryophyllaceae	<i>Drymaria cordata subsp. diandra</i>		Y			1
plants	land plants	Casuarinaceae	<i>Allocasuarina littoralis</i>			C		3
plants	land plants	Casuarinaceae	<i>Allocasuarina torulosa</i>			C		1
plants	land plants	Casuarinaceae	<i>Casuarina</i>					1
plants	land plants	Casuarinaceae	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>			C		2
plants	land plants	Celastraceae	<i>Celastrus subspicata</i>	large-leaved staffvine		C		1
plants	land plants	Celastraceae	<i>Denhamia celastroides</i>	broad-leaved boxwood		C		1
plants	land plants	Celastraceae	<i>Hedraianthera porphyropetala</i>	hedrianthera		C		1
plants	land plants	Chenopodiaceae	<i>Einadia hastata</i>			C		2
plants	land plants	Colchicaceae	<i>Tripladenia cunninghamii</i>			C		4/1
plants	land plants	Commelinaceae	<i>Aneilema acuminatum</i>			C		1/1
plants	land plants	Commelinaceae	<i>Commelina</i>					2

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plants	land plants	Commelinaceae	<i>Commelina diffusa</i>	wandering jew		C		1
plants	land plants	Convolvulaceae	<i>Ipomoea aquatica</i>			C		1/1
plants	land plants	Crassulaceae	<i>Bryophyllum delagoense</i>		Y			1
plants	land plants	Cucurbitaceae	<i>Diplocyclos palmatus</i>			C		3/1
plants	land plants	Cucurbitaceae	<i>Zehneria cunninghamii</i>	slender cucumber		C		1/1
plants	land plants	Cunoniaceae	<i>Karrabina benthamiana</i>			C		1/1
plants	land plants	Cyatheaceae	<i>Sphaeropteris cooperi</i>			C		1
plants	land plants	Cyperaceae	<i>Carex</i>					2
plants	land plants	Cyperaceae	<i>Carex breviculmis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Carex gaudichaudiana</i>			C		1
plants	land plants	Cyperaceae	<i>Cyperus</i>					1
plants	land plants	Cyperaceae	<i>Cyperus laevis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus lucidus</i>			C		2/1
plants	land plants	Cyperaceae	<i>Eleocharis</i>					1
plants	land plants	Cyperaceae	<i>Gahnia aspera</i>			C		5
plants	land plants	Cyperaceae	<i>Machaerina rubiginosa</i>			C		1/1
plants	land plants	Cyperaceae	<i>Scleria rugosa</i>			C		1/1
plants	land plants	Cyperaceae	<i>Scleria tricuspidata</i>			C		1/1
plants	land plants	Dennstaedtiaceae	<i>Dennstaedtia davallioides</i>	lacy ground fern		C		1
plants	land plants	Dennstaedtiaceae	<i>Hypolepis glandulifera</i>	sticky ground fern		C		1
plants	land plants	Dennstaedtiaceae	<i>Pteridium esculentum</i>	common bracken		C		5
plants	land plants	Dicksoniaceae	<i>Calochlaena dubia</i>			C		2
plants	land plants	Dilleniaceae	<i>Hibbertia scandens</i>			C		1
plants	land plants	Dilleniaceae	<i>Hibbertia vestita</i>			C		1/1
plants	land plants	Dioscoreaceae	<i>Dioscorea transversa</i>	native yam		C		2
plants	land plants	Dryopteridaceae	<i>Lastreopsis decomposita</i>	trim shield fern		SL		1/1
plants	land plants	Ebenaceae	<i>Diospyros australis</i>	black plum		C		1
plants	land plants	Ebenaceae	<i>Diospyros fasciculosa</i>	grey ebony		C		1/1
plants	land plants	Ebenaceae	<i>Diospyros kaki</i>	persimmon	Y			1
plants	land plants	Elaeocarpaceae	<i>Elaeocarpus grandis</i>	blue quandong		C		2
plants	land plants	Ericaceae	<i>Acrotriche aggregata</i>	red cluster heath		C		1
plants	land plants	Ericaceae	<i>Styphelia sieberi</i>			C		1
plants	land plants	Ericaceae	<i>Trochocarpa laurina</i>	tree heath		C		1
plants	land plants	Euphorbiaceae	<i>Alchornea ilicifolia</i>	native holly		C		1
plants	land plants	Euphorbiaceae	<i>Baloghia inophylla</i>	scrub bloodwood		C		1
plants	land plants	Euphorbiaceae	<i>Baloghia marmorata</i>	jointed baloghia		V	V	2/2
plants	land plants	Euphorbiaceae	<i>Homalanthus populifolius</i>			C		2
plants	land plants	Euphorbiaceae	<i>Macaranga tanarius</i>	macaranga		C		3
plants	land plants	Euphorbiaceae	<i>Mallotus claoxyloides</i>	green kamala		C		2/1
plants	land plants	Euphorbiaceae	<i>Mallotus discolor</i>	white kamala		C		1
plants	land plants	Euphorbiaceae	<i>Mallotus megadontus</i>			V		2/2
plants	land plants	Euphorbiaceae	<i>Mallotus philippensis</i>	red kamala		C		5
plants	land plants	Euphorbiaceae	<i>Tragia novae-hollandiae</i>	stinging-vine		C		1
plants	land plants	Eupomatiaceae	<i>Eupomatia bennettii</i>	small bolwarra		C		1/1
plants	land plants	Eupomatiaceae	<i>Eupomatia laurina</i>	bolwarra		C		4
plants	land plants	Flagellariaceae	<i>Flagellaria indica</i>	whip vine		C		1

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plants	land plants	Geraniaceae	<i>Geranium homeanum</i>			C		1
plants	land plants	Gleicheniaceae	<i>Sticherus flabellatus</i> var. <i>flabellatus</i>			C		1
plants	land plants	Goodeniaceae	<i>Goodenia rotundifolia</i>			C		1
plants	land plants	Haloragaceae	<i>Gonocarpus chinensis</i> subsp. <i>verrucosus</i>			C		1/1
plants	land plants	Hemerocallidaceae	<i>Dianella</i>					2
plants	land plants	Hemerocallidaceae	<i>Dianella caerulea</i>			C		6
plants	land plants	Hemerocallidaceae	<i>Dianella longifolia</i> var. <i>longifolia</i>			C		2/1
plants	land plants	Hemerocallidaceae	<i>Geitonoplesium cymosum</i>	scrambling lily		C		2
plants	land plants	Hemerocallidaceae	<i>Geitonoplesium cymosum</i> forma <i>album</i>			C		3
plants	land plants	Hydrocharitaceae	<i>Limnobium laevigatum</i>		Y			4/4
plants	land plants	Juncaceae	<i>Juncus</i>					1
plants	land plants	Lamiaceae	<i>Callicarpa pedunculata</i>	velvet leaf		C		1/1
plants	land plants	Lamiaceae	<i>Clerodendrum floribundum</i>			C		1
plants	land plants	Lamiaceae	<i>Gmelina leichhardtii</i>	white beech		C		1
plants	land plants	Lamiaceae	<i>Salvia coccinea</i>	red salvia	Y			1/1
plants	land plants	Lauraceae	<i>Beilschmiedia obtusifolia</i>	hard bolly gum		C		1
plants	land plants	Lauraceae	<i>Cinnamomum camphora</i>	camphor laurel	Y			5
plants	land plants	Lauraceae	<i>Cryptocarya foetida</i>	stinking cryptocarya		V	V	1/1
plants	land plants	Lauraceae	<i>Cryptocarya glaucescens</i>			C		1
plants	land plants	Lauraceae	<i>Cryptocarya laevigata</i>			C		1
plants	land plants	Lauraceae	<i>Cryptocarya microneura</i>	murrogon		C		2
plants	land plants	Lauraceae	<i>Cryptocarya triplinervis</i>			C		1
plants	land plants	Lauraceae	<i>Cryptocarya triplinervis</i> var. <i>pubens</i>			C		2
plants	land plants	Lauraceae	<i>Cryptocarya triplinervis</i> var. <i>triplinervis</i>			C		1
plants	land plants	Lauraceae	<i>Endiandra muelleri</i> subsp. <i>bracteata</i>			C		4/4
plants	land plants	Lauraceae	<i>Endiandra pubens</i>	hairy walnut		C		2/1
plants	land plants	Lauraceae	<i>Endiandra wongawallanensis</i>			E		14/12
plants	land plants	Laxmanniaceae	<i>Cordyline congesta</i>	Boonah palm lily		SL		2
plants	land plants	Laxmanniaceae	<i>Cordyline rubra</i>	red-fruited palm lily		C		1
plants	land plants	Laxmanniaceae	<i>Cordyline stricta</i>	narrow-leaved palm lily		SL		1
plants	land plants	Laxmanniaceae	<i>Eustrephus latifolius</i>	wombat berry		C		1
plants	land plants	Laxmanniaceae	<i>Eustrephus latifolius</i> subforma <i>fimbriatus</i>			C		4
plants	land plants	Laxmanniaceae	<i>Lomandra</i>					2
plants	land plants	Laxmanniaceae	<i>Lomandra confertifolia</i> subsp. <i>pallida</i>			C		2
plants	land plants	Laxmanniaceae	<i>Lomandra hystrix</i>			C		4
plants	land plants	Laxmanniaceae	<i>Lomandra longifolia</i>			C		4
plants	land plants	Leguminosae	<i>Acacia</i>					1
plants	land plants	Leguminosae	<i>Acacia aulacocarpa</i>			C		1
plants	land plants	Leguminosae	<i>Acacia bakeri</i>	marblewood		C		1/1
plants	land plants	Leguminosae	<i>Acacia disparrima</i> subsp. <i>disparrima</i>			C		6
plants	land plants	Leguminosae	<i>Acacia falcata</i>	sickle wattle		C		1/1
plants	land plants	Leguminosae	<i>Acacia fimbriata</i>	Brisbane golden wattle		C		3
plants	land plants	Leguminosae	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>			C		1
plants	land plants	Leguminosae	<i>Acacia maidenii</i>	Maiden's wattle		C		2
plants	land plants	Leguminosae	<i>Acacia melanoxylon</i>	blackwood		C		4
plants	land plants	Leguminosae	<i>Aeschynomene brevifolia</i>			C		1/1

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plants	land plants	Leguminosae	<i>Chamaecrista nomame</i> var. <i>nomame</i>			C		1
plants	land plants	Leguminosae	<i>Chorizema parviflorum</i>	eastern flame pea		C		1/1
plants	land plants	Leguminosae	<i>Crotalaria goreensis</i>	gambia pea	Y			1/1
plants	land plants	Leguminosae	<i>Daviesia arborea</i>	golden pea tree		C		1/1
plants	land plants	Leguminosae	<i>Desmodium uncinatum</i>		Y			2/1
plants	land plants	Leguminosae	<i>Erythrina vespertilio</i>			C		1
plants	land plants	Leguminosae	<i>Gleditsia triacanthos</i>	honey locust	Y			1/1
plants	land plants	Leguminosae	<i>Glycine clandestina</i>			C		1
plants	land plants	Leguminosae	<i>Hardenbergia violacea</i>			C		1
plants	land plants	Leguminosae	<i>Hovea acutifolia</i>			C		3
plants	land plants	Leguminosae	<i>Kennedia rubicunda</i>	red Kennedy pea		C		1
plants	land plants	Leguminosae	<i>Macroptilium atropurpureum</i>	siratro	Y			1
plants	land plants	Leguminosae	<i>Macrotyloma axillare</i>		Y			1
plants	land plants	Leguminosae	<i>Mimosa pudica</i> var. <i>hispida</i>		Y			2/2
plants	land plants	Leguminosae	<i>Pycnospora lutescens</i>	pycnospora			C	1/1
plants	land plants	Leguminosae	<i>Senna pendula</i> var. <i>glabrata</i>	Easter cassia	Y			1
plants	land plants	Leguminosae	<i>Senna septemtrionalis</i>		Y			1
plants	land plants	Leguminosae	<i>Soloni involuta</i>				C	2
plants	land plants	Leguminosae	<i>Stylosanthes guianensis</i> var. <i>guianensis</i>		Y			1/1
plants	land plants	Leguminosae	<i>Tephrosia grandiflora</i>		Y			1/1
plants	land plants	Leguminosae	<i>Vigna luteola</i>	dalrymple vigna	Y			1/1
plants	land plants	Lygodiaceae	<i>Lygodium microphyllum</i>	snake fern			C	1
plants	land plants	Lythraceae	<i>Cuphea carthagenensis</i>		Y			1
plants	land plants	Lythraceae	<i>Rotula rotundifolia</i>		Y			1/1
plants	land plants	Malvaceae	<i>Abutilon oxycarpum</i>				C	1
plants	land plants	Malvaceae	<i>Hibiscus heterophyllum</i>				C	4
plants	land plants	Malvaceae	<i>Modiola caroliniana</i>	red-flowered mallow	Y			1/1
plants	land plants	Malvaceae	<i>Sida rhombifolia</i>		Y			2
plants	land plants	Malvaceae	<i>Urena lobata</i>	urena weed	Y			1
plants	land plants	Meliaceae	<i>Dysoxylum fraserianum</i>	rose mahogany			C	2
plants	land plants	Meliaceae	<i>Melia azedarach</i>	white cedar			C	1
plants	land plants	Menispermaceae	<i>Carronia multisepealea</i>				C	1/1
plants	land plants	Menispermaceae	<i>Echinostephia aculeata</i>	prickly snake vine			C	4/1
plants	land plants	Menispermaceae	<i>Sarcopetalum harveyanum</i>	pearl vine			C	1
plants	land plants	Menispermaceae	<i>Stephania japonica</i>				C	2
plants	land plants	Monimiaceae	<i>Wilkiea huegeliana</i>	veiny wilkiea			C	1
plants	land plants	Moraceae	<i>Ficus</i>					1
plants	land plants	Moraceae	<i>Ficus coronata</i>	creek sandpaper fig			C	5
plants	land plants	Moraceae	<i>Ficus obliqua</i>				C	2
plants	land plants	Moraceae	<i>Maclura cochinchinensis</i>	cockspur thorn			C	5
plants	land plants	Myrsinaceae	<i>Ardisia crenata</i>		Y			2/1
plants	land plants	Myrsinaceae	<i>Embelia australiana</i>	embelia			C	2
plants	land plants	Myrsinaceae	<i>Myrsine variabilis</i>				C	3
plants	land plants	Myrtaceae	<i>Acmena smithii</i>	lillypilly satinash			C	3
plants	land plants	Myrtaceae	<i>Angophora leiocarpa</i>	rusty gum			C	2
plants	land plants	Myrtaceae	<i>Angophora woodsiana</i>	smudgee			C	1

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plants	land plants	Myrtaceae	<i>Backhousia leptopetala</i>			C		2/1
plants	land plants	Myrtaceae	<i>Backhousia myrtifolia</i>	carrol		C		3
plants	land plants	Myrtaceae	<i>Corymbia citriodora</i> subsp. <i>variegata</i>			C		2
plants	land plants	Myrtaceae	<i>Corymbia intermedia</i>	pink bloodwood		C		8
plants	land plants	Myrtaceae	<i>Corymbia tessellaris</i>	Moreton Bay ash		C		1
plants	land plants	Myrtaceae	<i>Corymbia torelliana</i>	cadaghi		C		2/1
plants	land plants	Myrtaceae	<i>Corymbia trachyphloia</i>			C		1
plants	land plants	Myrtaceae	<i>Eucalyptus acmenoides</i>			C		1
plants	land plants	Myrtaceae	<i>Eucalyptus carnea</i>			C		4
plants	land plants	Myrtaceae	<i>Eucalyptus curtisii</i>	Plunkett mallee		NT		1/1
plants	land plants	Myrtaceae	<i>Eucalyptus drepanophylla</i>			C		1
plants	land plants	Myrtaceae	<i>Eucalyptus grandis</i>	flooded gum		C		3
plants	land plants	Myrtaceae	<i>Eucalyptus microcorys</i>			C		5
plants	land plants	Myrtaceae	<i>Eucalyptus propinqua</i>	small-fruited grey gum		C		2
plants	land plants	Myrtaceae	<i>Eucalyptus propinqua</i> var. <i>major</i>			C		2
plants	land plants	Myrtaceae	<i>Eucalyptus siderophloia</i>			C		2
plants	land plants	Myrtaceae	<i>Eucalyptus siderophloia</i> forma <i>decorticans</i>			C		3
plants	land plants	Myrtaceae	<i>Eucalyptus tereticornis</i>			C		5
plants	land plants	Myrtaceae	<i>Eugenia</i>					1
plants	land plants	Myrtaceae	<i>Eugenia uniflora</i>	Brazilian cherry tree	Y			2/1
plants	land plants	Myrtaceae	<i>Gossia bidwillii</i>			C		1
plants	land plants	Myrtaceae	<i>Leptospermum brachyandrum</i>	weeping tea-tree		C		1
plants	land plants	Myrtaceae	<i>Lophostemon confertus</i>	brush box		C		9
plants	land plants	Myrtaceae	<i>Lophostemon suaveolens</i>	swamp box		C		4
plants	land plants	Myrtaceae	<i>Melaleuca bracteata</i>			C		2
plants	land plants	Myrtaceae	<i>Melaleuca linariifolia</i>	snow-in summer		C		2
plants	land plants	Myrtaceae	<i>Melaleuca quinquenervia</i>	swamp paperbark		C		3
plants	land plants	Myrtaceae	<i>Melaleuca salicina</i>			C		2
plants	land plants	Myrtaceae	<i>Melaleuca viminalis</i>			C		3
plants	land plants	Myrtaceae	<i>Rhodamnia argentea</i>	white myrtle		C		1
plants	land plants	Myrtaceae	<i>Rhodamnia rubescens</i>	scrub turpentine		CR	CE	1
plants	land plants	Myrtaceae	<i>Rhodomyrtus psidioides</i>	native guava		CR	CE	1
plants	land plants	Myrtaceae	<i>Sannantha similis</i>			C		2/1
plants	land plants	Myrtaceae	<i>Syzygium australe</i>	scrub cherry		C		1
plants	land plants	Myrtaceae	<i>Syzygium francisii</i>	giant watergum		C		2
plants	land plants	Myrtaceae	<i>Syzygium moorei</i>	Durobby		V	V	1/1
plants	land plants	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>	fishbone fern		C		2
plants	land plants	Nymphaeaceae	<i>Nymphaea</i>					1
plants	land plants	Oleaceae	<i>Ligustrum</i>		Y	C		1
plants	land plants	Oleaceae	<i>Ligustrum sinense</i>	small-leaved privet	Y			4/2
plants	land plants	Oleaceae	<i>Notelaea johnsonii</i>	veinless mock-olive		C		1/1
plants	land plants	Oleaceae	<i>Notelaea longifolia</i>			C		1
plants	land plants	Orchidaceae	<i>Acianthus fornicatus</i>	pixie caps		SL		1/1
plants	land plants	Orchidaceae	<i>Cymbidium suave</i>			SL		1
plants	land plants	Orchidaceae	<i>Dendrobium aemulum</i>	ironbark orchid		SL		1
plants	land plants	Passifloraceae	<i>Passiflora</i>					1

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plants	land plants	Passifloraceae	<i>Passiflora edulis</i>		Y			1/1
plants	land plants	Passifloraceae	<i>Passiflora herbertiana</i> subsp. <i>herbertiana</i>	native passionfruit		C		4/1
plants	land plants	Passifloraceae	<i>Passiflora suberosa</i> subsp. <i>litoralis</i>		Y			3/1
plants	land plants	Passifloraceae	<i>Passiflora subpeltata</i>	white passion flower	Y			4/1
plants	land plants	Petiveriaceae	<i>Rivina humilis</i>		Y			3/1
plants	land plants	Phyllanthaceae	<i>Breynia oblongifolia</i>			C		2
plants	land plants	Phyllanthaceae	<i>Cleistanthus cunninghamii</i>	omega		C		1
plants	land plants	Phyllanthaceae	<i>Glochidion</i>					1
plants	land plants	Phyllanthaceae	<i>Glochidion ferdinandi</i>			C		4
plants	land plants	Phyllanthaceae	<i>Glochidion ferdinandi</i> var. <i>ferdinandi</i>			C		2
plants	land plants	Phyllanthaceae	<i>Glochidion ferdinandi</i> var. <i>pubens</i>			C		1
plants	land plants	Phyllanthaceae	<i>Glochidion sumatranum</i>	umbrella cheese tree		C		1/1
plants	land plants	Picrodendraceae	<i>Dissiliaria baloghioides</i>	hauer		C		2/1
plants	land plants	Pittosporaceae	<i>Bursaria incana</i>			C		1
plants	land plants	Pittosporaceae	<i>Bursaria spinosa</i> subsp. <i>spinosa</i>			C		1
plants	land plants	Pittosporaceae	<i>Hymenosporum flavum</i>	native frangipani		C		2
plants	land plants	Pittosporaceae	<i>Pittosporum revolutum</i>	yellow pittosporum		C		3
plants	land plants	Pittosporaceae	<i>Pittosporum spinescens</i>			C		1
plants	land plants	Pittosporaceae	<i>Pittosporum undulatum</i>	sweet pittosporum		C		1
plants	land plants	Plantaginaceae	<i>Veronica plebeia</i>	trailing speedwell		C		1/1
plants	land plants	Poaceae	<i>Andropogon virginicus</i>	whiskey grass	Y			1/1
plants	land plants	Poaceae	<i>Aristida warburgii</i>			C		1/1
plants	land plants	Poaceae	<i>Bothriochloa decipiens</i> var. <i>decipiens</i>			C		1
plants	land plants	Poaceae	<i>Chloris gayana</i>	rhodes grass	Y			1
plants	land plants	Poaceae	<i>Cymbopogon refractus</i>	barbed-wire grass		C		3
plants	land plants	Poaceae	<i>Cynodon dactylon</i> var. <i>dactylon</i>		Y			1
plants	land plants	Poaceae	<i>Dichelachne micrantha</i>	shorthair plumegrass		C		1/1
plants	land plants	Poaceae	<i>Dichelachne montana</i>			C		1/1
plants	land plants	Poaceae	<i>Dinebra retroflexa</i>		Y			1/1
plants	land plants	Poaceae	<i>Entolasia stricta</i>	wiry panic		C		1
plants	land plants	Poaceae	<i>Eragrostis tenuifolia</i>	elastic grass	Y			2/1
plants	land plants	Poaceae	<i>Imperata cylindrica</i>	blady grass		C		5
plants	land plants	Poaceae	<i>Megathyrsus maximus</i>		Y			1
plants	land plants	Poaceae	<i>Melinis minutiflora</i>	molasses grass	Y			2
plants	land plants	Poaceae	<i>Melinis repens</i>	red natal grass	Y			1
plants	land plants	Poaceae	<i>Oplismenus aemulus</i>	creeping shade grass		C		2/1
plants	land plants	Poaceae	<i>Oplismenus mollis</i>			C		1
plants	land plants	Poaceae	<i>Ottochloa gracillima</i>	pademelon grass		C		2/1
plants	land plants	Poaceae	<i>Panicum effusum</i>			C		1/1
plants	land plants	Poaceae	<i>Paspalum conjugatum</i>	sourgrass	Y			1/1
plants	land plants	Poaceae	<i>Paspalum dilatatum</i>	paspalum	Y			1
plants	land plants	Poaceae	<i>Paspalum mandiocanum</i>		Y			1
plants	land plants	Poaceae	<i>Poa sieberiana</i> var. <i>sieberiana</i>			C		2
plants	land plants	Poaceae	<i>Setaria pumila</i> subsp. <i>pumila</i>		Y			1
plants	land plants	Poaceae	<i>Sorghum</i>					1
plants	land plants	Poaceae	<i>Sorghum halepense</i>	Johnson grass	Y			1

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plants	land plants	Poaceae	<i>Sporobolus africanus</i>	Parramatta grass	Y			1/1
plants	land plants	Poaceae	<i>Sporobolus elongatus</i>			C		1
plants	land plants	Poaceae	<i>Sporobolus fertilis</i>	giant Parramatta grass	Y			1/1
plants	land plants	Poaceae	<i>Sporobolus pyramidalis</i>		Y			1
plants	land plants	Poaceae	<i>Themeda triandra</i>	kangaroo grass		C		3
plants	land plants	Polygonaceae	<i>Muehlenbeckia gracillima</i>			C		1
plants	land plants	Polypodiaceae	<i>Platyserium bifurcatum</i>			SL		2
plants	land plants	Proteaceae	<i>Banksia integrifolia</i>			C		1
plants	land plants	Proteaceae	<i>Banksia integrifolia</i> subsp. <i>integrifolia</i>			C		1
plants	land plants	Proteaceae	<i>Banksia spinulosa</i> var. <i>collina</i>			C		1
plants	land plants	Proteaceae	<i>Grevillea robusta</i>			C		1
plants	land plants	Proteaceae	<i>Macadamia integrifolia</i>	macadamia nut		V	V	4/1
plants	land plants	Proteaceae	<i>Persoonia</i>					1
plants	land plants	Proteaceae	<i>Persoonia adenantha</i> - <i>Persoonia stradbokensis</i>			C		1/1
plants	land plants	Pteridaceae	<i>Adiantum aethiopicum</i>			SL		3/1
plants	land plants	Pteridaceae	<i>Adiantum atroviride</i>			SL		1
plants	land plants	Pteridaceae	<i>Adiantum formosum</i>			C		3
plants	land plants	Pteridaceae	<i>Adiantum hispidulum</i>			SL		3
plants	land plants	Pteridaceae	<i>Adiantum hispidulum</i> var. <i>hispidulum</i>			SL		1
plants	land plants	Pteridaceae	<i>Adiantum hispidulum</i> var. <i>whitei</i>			SL		1/1
plants	land plants	Pteridaceae	<i>Adiantum silvaticum</i>			SL		1/1
plants	land plants	Pteridaceae	<i>Pellaea paradoxa</i>	heart fern		SL		1
plants	land plants	Putranjivaceae	<i>Drypetes deplanchei</i>	grey boxwood		C		1
plants	land plants	Ranunculaceae	<i>Clematis glycinoides</i>			C		1
plants	land plants	Rhamnaceae	<i>Alphitonia excelsa</i>	soap tree		C		6
plants	land plants	Rosaceae	<i>Rhaphiolepis indica</i>	Indian hawthorn	Y			1/1
plants	land plants	Rosaceae	<i>Rubus ellipticus</i>	yellow raspberry	Y			2/2
plants	land plants	Rosaceae	<i>Rubus moluccanus</i>			C		1
plants	land plants	Rosaceae	<i>Rubus moluccanus</i> var. <i>moluccanus</i>			C		1
plants	land plants	Rosaceae	<i>Rubus parvifolius</i>	pink-flowered native raspberry		C		2
plants	land plants	Rosaceae	<i>Rubus rosifolius</i> var. <i>rosifolius</i>			C		1
plants	land plants	Rubiaceae	<i>Gynochthodes jasminoides</i>			C		1
plants	land plants	Rubiaceae	<i>Opercularia diphylla</i>			C		1/1
plants	land plants	Rubiaceae	<i>Psychotria daphnoides</i>			C		2
plants	land plants	Rubiaceae	<i>Psychotria loniceroides</i>	hairy psychotria		C		4/1
plants	land plants	Rubiaceae	<i>Randia moorei</i>	spiny gardenia		E	E	4/4
plants	land plants	Rutaceae	<i>Acronychia laevis</i>	glossy acronychia		C		1/1
plants	land plants	Rutaceae	<i>Acronychia oblongifolia</i>	common acronychia		C		1
plants	land plants	Rutaceae	<i>Acronychia pauciflora</i>	soft acronychia		C		1/1
plants	land plants	Rutaceae	<i>Citrus x limon</i>		Y			1
plants	land plants	Rutaceae	<i>Flindersia bennettii</i>			C		2/1
plants	land plants	Rutaceae	<i>Medicosma cunninghamii</i>	pinkheart		C		1
plants	land plants	Rutaceae	<i>Melicope elleryana</i>			C		1
plants	land plants	Rutaceae	<i>Melicope vitiflora</i>	northern evodia		C		1/1
plants	land plants	Rutaceae	<i>Murraya paniculata</i> 'Exotica'		Y			2/1
plants	land plants	Rutaceae	<i>Pentaceras australe</i>	bastard crow's ash		C		3/2

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plants	land plants	Salviniaceae	<i>Salvinia molesta</i>	salvinia	Y			1
plants	land plants	Sapindaceae	<i>Alectryon reticulatus</i>	wild quince		C		1/1
plants	land plants	Sapindaceae	<i>Alectryon tomentosus</i>			C		1
plants	land plants	Sapindaceae	<i>Arytera divaricata</i>	coogera		C		1
plants	land plants	Sapindaceae	<i>Cupaniopsis newmanii</i>	long-leaved tuckeroo		NT		3/1
plants	land plants	Sapindaceae	<i>Cupaniopsis parvifolia</i>	small-leaved tuckeroo		C		1
plants	land plants	Sapindaceae	<i>Dodonaea triquetra</i>	large-leaved hop bush		C		1/1
plants	land plants	Sapindaceae	<i>Elattostachys nervosa</i>	green tamarind		C		1
plants	land plants	Sapindaceae	<i>Guioa semiglauca</i>	guioa		C		2
plants	land plants	Sapindaceae	<i>Jagera pseudorhus</i>			C		1
plants	land plants	Sapindaceae	<i>Jagera pseudorhus</i> var. <i>pseudorhus</i>			C		4
plants	land plants	Sapindaceae	<i>Toechima tenax</i>	pitted-leaf steelwood		C		1/1
plants	land plants	Sapotaceae	<i>Amorphospermum antilogum</i>			C		1/1
plants	land plants	Sapotaceae	<i>Planchonella eerwah</i>			E	E	2/2
plants	land plants	Scrophulariaceae	<i>Myoporum acuminatum</i>	coastal boobialla		C		1/1
plants	land plants	Smilacaceae	<i>Smilax australis</i>	barbed-wire vine		C		8
plants	land plants	Solanaceae	<i>Datura stramonium</i>	common thornapple	Y			1
plants	land plants	Solanaceae	<i>Solanum chrysotrichum</i>		Y			3/1
plants	land plants	Solanaceae	<i>Solanum corifolium</i>	straggling nightshade		C		2/2
plants	land plants	Solanaceae	<i>Solanum ditrichum</i>			C		1/1
plants	land plants	Solanaceae	<i>Solanum mauritianum</i>	wild tobacco	Y			2
plants	land plants	Solanaceae	<i>Solanum seafortianum</i>	Brazilian nightshade	Y			2
plants	land plants	Solanaceae	<i>Solanum stelligerum</i>	devil's needles		C		2
plants	land plants	Solanaceae	<i>Solanum stelligerum</i> var. <i>procumbens</i>			C		1
plants	land plants	Sparrmanniaceae	<i>Corchorus cunninghamii</i>			E	E	4/2
plants	land plants	Sparrmanniaceae	<i>Triumfetta rhomboidea</i>	chinese burr	Y			2/2
plants	land plants	Sterculiaceae	<i>Brachychiton acerifolius</i>	flame tree		SL		1
plants	land plants	Sterculiaceae	<i>Sterculia quadrifida</i>	peanut tree		C		1
plants	land plants	Stylidiaceae	<i>Stylidium graminifolium</i>	grassy-leaved trigger-flower		C		1/1
plants	land plants	Thelypteridaceae	<i>Christella dentata</i>	creek fern		SL		5/1
plants	land plants	Thymelaeaceae	<i>Pimelea neoanglica</i>	poison pimelea		C		1
plants	land plants	Thymelaeaceae	<i>Wikstroemia indica</i>	tie bush		C		1
plants	land plants	Typhaceae	<i>Typha</i>					1
plants	land plants	Typhaceae	<i>Typha orientalis</i>	broad-leaved cumbungi		C		2
plants	land plants	Verbenaceae	<i>Lantana camara</i>	lantana	Y			4
plants	land plants	Verbenaceae	<i>Lantana montevidensis</i>	creeping lantana	Y			2/1
plants	land plants	Verbenaceae	<i>Stachytarpheta cayennensis</i>		Y			1/1
plants	land plants	Violaceae	<i>Viola hederacea</i>			C		1
plants	land plants	Vitaceae	<i>Causonis clematidea</i>			C		1
plants	land plants	Vitaceae	<i>Cissus antarctica</i>			C		4
plants	land plants	Vitaceae	<i>Clematicissus opaca</i>			C		2
plants	land plants	Xanthorrhoeaceae	<i>Xanthorrhoea macronema</i>			SL		1
plants	land plants	Zingiberaceae	<i>Alpinia caerulea</i>	wild ginger		C		3
plants	land plants	Zingiberaceae	<i>Alpinia caerulea</i> var. <i>arundelliana</i>			C		2
plants	uncertain	Indet.	<i>Indet.</i>			C		17

CODES

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

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

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

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

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

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

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

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

APPENDIX 2 – Protected Matters Search Results



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 21-Nov-2022

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	6
Listed Threatened Species:	89
Listed Migratory Species:	42

Other Matters Protected by the EPBC Act

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

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

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	46
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	1
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	41
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)		[Resource Information]
Ramsar Site Name	Proximity	Buffer Status
Moreton bay	Within 10km of Ramsar site	In feature area

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

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

Community Name	Threatened Category	Presence Text	Buffer Status
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community likely to occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community likely to occur within area	In feature area
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community likely to occur within area	In feature area
Subtropical and Temperate Coastal Saltmarsh	Vulnerable	Community likely to occur within area	In buffer area only
Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions	Endangered	Community likely to occur within area	In feature area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community may occur within area	In buffer area only

Listed Threatened Species	[Resource Information]
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Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area	In feature area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Endangered	Species or species habitat may occur within area	In feature area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Erythroriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat known to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Limosa lapponica baueri Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
Epinephelus daemeli Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
FROG			
Mixophyes fleayi Fleay's Frog [25960]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Mixophyes iteratus Giant Barred Frog, Southern Barred Frog [1944]	Vulnerable	Species or species habitat may occur within area	In buffer area only
INSECT			
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area	In feature area
Phyllodes imperialis smithersi Pink Underwing Moth [86084]	Endangered	Breeding may occur within area	In buffer area only
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Dasyurus maculatus maculatus (SE mainland population) Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In feature area
Notamacropus parma Parma Wallaby [89289]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Petauroides volans Greater Glider (southern and central) [254]	Endangered	Species or species habitat known to occur within area	In feature area
Petaurus australis australis Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area	In feature area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Potorous tridactylus tridactylus Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pseudomys novaehollandiae New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
Xeromys myoides Water Mouse, False Water Rat, Yirrkoo [66]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
PLANT			
Acacia attenuata [10690]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Acronychia littoralis Scented Acronychia [8582]	Endangered	Species or species habitat may occur within area	In buffer area only
Arthraxon hispidus Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Baloghia marmorata Marbled Balogia, Jointed Baloghia [8463]	Vulnerable	Species or species habitat known to occur within area	In feature area
Bosistoa transversa Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Clematis fawcettii Stream Clematis [4311]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Corchorus cunninghamii Native Jute [14659]	Endangered	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Cryptocarya foetida Stinking Cryptocarya, Stinking Laurel [11976]	Vulnerable	Species or species habitat known to occur within area	In feature area
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area	In feature area
Cupaniopsis shirleyana Wedge-leaf Tuckeroo [3205]	Vulnerable	Species or species habitat may occur within area	In feature area
Diploglottis campbellii Small-leaved Tamarind [21484]	Endangered	Species or species habitat may occur within area	In buffer area only
Endiandra floydii Floyd's Walnut, Crystal Creek Walnut [52955]	Endangered	Species or species habitat known to occur within area	In feature area
Endiandra hayesii Rusty Rose Walnut, Velvet Laurel [13866]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Fontainea venosa [24040]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Leichhardtia longiloba listed as Marsdenia longiloba Clear Milkvine [91911]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Lepidium peregrinum Wandering Pepper-cress [14035]	Endangered	Species or species habitat may occur within area	In buffer area only
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat known to occur within area	In feature area
Macadamia tetraphylla Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Persicaria elatior Knotweed, Tall Knotweed [5831]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phaius australis Lesser Swamp-orchid [5872]	Endangered	Species or species habitat likely to occur within area	In feature area
Planchonella eerwah Shiny-leaved Condoo, Black Plum, Wild Apple [17340]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Plectranthus habrophyllus [64589]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Plectranthus nitidus Nightcap Plectranthus, Silver Plectranthus [55742]	Endangered	Species or species habitat may occur within area	In feature area
Randia moorei Spiny Gardenia [10577]	Endangered	Species or species habitat known to occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Sophora fraseri [8836]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Vincetoxicum woollsii listed as Tylophora woollsii [40080]	Endangered	Species or species habitat may occur within area	In feature area
Zieria collina [2178]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
REPTILE			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Congregation or aggregation known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Coeranoscincus reticulatus Three-toed Snake-tooth Skink [59628]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat may occur within area	In feature area
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
SHARK			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only

Listed Migratory Species

[Resource Information]

Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Anous stolidus Common Noddy [825]		Species or species habitat may occur within area	In buffer area only
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Ardenna grisea Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area	In buffer area only
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat likely to occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Migratory Marine Species			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Congregation or aggregation known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lamna nasus Porbeagle, Mackerel Shark [83288]	Endangered	Species or species habitat may occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]		Species or species habitat known to occur within area	In buffer area only
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat may occur within area	In buffer area only
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]	Vulnerable	Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]		Species or species habitat known to occur within area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area	In feature area
Migratory Wetlands Species			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Anous stolidus Common Noddy [825]		Species or species habitat may occur within area	In buffer area only
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Ardenna grisea as Puffinus griseus Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area overfly marine area	In feature area
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni as Diomedea gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area	In buffer area only
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat likely to occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area	In buffer area only
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area overfly marine area	In feature area
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area
Reptile			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Congregation or aggregation known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Saltwater Creek	Conservation Park	QLD	In buffer area only

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
Controlled action					
Clearing of vegetation for the Gainsborough Greens residential subdivision	2013/6751	Controlled Action	Post-Approval	In buffer area only	
Coomera Woods Master Planned Development, 49 & 51 George Alexander Way, Coomera, Qld	2017/8134	Controlled Action	Further Information Request	In buffer area only	
Coomera Woods master planned residential development, Qld	2015/7610	Controlled Action	Completed	In buffer area only	
Gold Coast International Marine Precinct	2008/4002	Controlled Action	Post-Approval	In buffer area only	
Jacobs Well Airport	2004/1361	Controlled Action	Completed	In buffer area only	
Jacobs Well Airport Project	2003/947	Controlled Action	Completed	In buffer area only	

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
Nambucca Crescent residential subdivision Pimpama, QLD	2014/7190	Controlled Action	Post-Approval	In buffer area only
Oxenford quarry extractive boundary realignment, Oxenford, Qld	2018/8356	Controlled Action	Further Information Request	In buffer area only
Stage 1 Coomera Connector	2020/8646	Controlled Action	Guidelines Issued	In buffer area only
Not controlled action				
Clearing of vegetaion for a residential subdivision on Karingal Drive, Pimpama, QLD	2013/6716	Not Controlled Action	Completed	In buffer area only
Clearing of vegetation for a residential development at 278, 282 ,294 & 298 Kopps Road, Oxenford	2013/6869	Not Controlled Action	Completed	In buffer area only
Coomera Hospital and Health Precinct	2021/8946	Not Controlled Action	Completed	In buffer area only
Coomera Town Centre shopping centre development, Coomera Qld	2014/7292	Not Controlled Action	Completed	In buffer area only
Coomera Woods Protection Zone, 49 George Alexander Way, Coomera Qld	2018/8214	Not Controlled Action	Completed	In buffer area only
Development of the Heritage Park Sporting Precinct, Rifle Range Road, Pimpama, Qld	2016/7831	Not Controlled Action	Completed	In buffer area only
Development of the Pimpama Junction Shopping Centre Precinct	2013/6772	Not Controlled Action	Completed	In buffer area only
Develop Stage 1 & 2 (Lots 21, 23 & 24), Coomera Urban Village, Cnr Foxwell Rd & Finnegan Wy, Coomera	2014/7124	Not Controlled Action	Completed	In buffer area only
Dreamworld Town Centre Development	2001/484	Not Controlled Action	Completed	In buffer area only
GCCC Northern Wastewater Strategy and associated Reclaimed Water Scheme - Stage	2001/282	Not Controlled Action	Completed	In buffer area only
Heavy Rail Duplication Project, Coomera to Helensvale, Qld	2014/7392	Not Controlled Action	Completed	In buffer area only
Helensvale Waste Transfer Station Expansion, QLD	2012/6581	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Low impact industrial development and associated infrastructure, Old Pacific Highway, Coomera	2013/6819	Not Controlled Action	Completed	In buffer area only
Mixed use development, Lot 138, 62 Finnegan Way, Coomera, Qld	2015/7488	Not Controlled Action	Completed	In buffer area only
Pimpama School, Coomera, Qld	2018/8252	Not Controlled Action	Completed	In buffer area only
Prawn Aquaculture Expansion	2001/322	Not Controlled Action	Completed	In buffer area only
Residential development, Big Sky Estate (Stages 5-8), Coomera	2015/7535	Not Controlled Action	Completed	In buffer area only
Residential Development Stages 4 & 9-10 Big Sky Estate, Coomera, QLD	2014/7192	Not Controlled Action	Completed	In buffer area only
Residential subdivision, 152 Yawalpah Road, Pimpama, Qld	2013/6914	Not Controlled Action	Completed	In buffer area only
Residential subdivision, 54-64 Karingal Drive, Pimpama, Qld	2013/6739	Not Controlled Action	Completed	In buffer area only
Residential subdivision, Reserve Road	2004/1333	Not Controlled Action	Completed	In buffer area only
Road Extension - Foxwell Road, Coomera	2021/8990	Not Controlled Action	Completed	In buffer area only
To develop high and medium density residential dwellings, commercial precincts and open space areas.	2014/7291	Not Controlled Action	Completed	In buffer area only
Upgraded sewerage infrastructure in the Helensvale/Coombabah catchment	2004/1427	Not Controlled Action	Completed	In buffer area only
Vegetation clearing for the Gainsborough Park Residential Estate	2012/6667	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Kerkins Levee Rehabilitation Project, Phases 2-8	2004/1435	Not Controlled Action (Particular Manner)	Post-Approval	In feature area
Waterway Downs Urban Estate Development	2010/5730	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Referral decision				

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Referral decision				
Coomera, QLD	2013/7104	Referral Decision	Completed	In buffer area only
Coomera high school, Coomera, Qld	2018/8240	Referral Decision	Completed	In buffer area only
New School, Foxwell Road, Coomera, Qld	2018/8333	Referral Decision	Completed	In buffer area only
Residential Development on Finnegan Way, Coomera, QLD	2012/6685	Referral Decision	Completed	In buffer area only

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

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

Threatened, migratory and marine species

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

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

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

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

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

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact us](#) page.

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APPENDIX 3 – Vegetation Type Photos



Photo 1 Vegetation type 1



Photo 2 Vegetation type 2



Photo 3 Vegetation type 3



Photo 4 Vegetation type 4



Photo 5 Vegetation type 4



Photo 6 Vegetation type 5



Photo 7 Vegetation type 6

APPENDIX 4 – Habitat Feature Photos



Photo 8 Hollow stump



Photo 9 Log providing shelter for terrestrial fauna



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Photo 10 Small, inactive bird nest