

# Technical Memorandum

<b>Memo No.</b>	01	<b>Date of Issue</b>	15/03/2022
<b>Subject</b>	Environmental Scoping Report Updated Desktop Searches	<b>Discipline</b>	Environment
<b>Project Name</b>	Intersection Upgrades – Mooloolaba Rd / Syd Lingard Dr and Mooloolaba Rd /Sunshine Motorway	<b>Project No.</b>	30033374
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<b>Prepared for</b>	Department of Transport and Main Roads	<b>Attention to</b>	
<b>Attachments</b>	<ul style="list-style-type: none"> <li>Protected Plants Flora Survey Trigger Map</li> <li><i>Environment Protection and Biodiversity Conservation Act 1999</i> Protected Matters Report</li> <li>Regulated Vegetation Management Map</li> <li>Vegetation Management Property Report</li> <li>WildNet Species List</li> <li>Cultural Heritage Database and Register</li> </ul>		

## 1 Background

Desktop searches were conducted to inform potential environmental constraints relevant to the intersection upgrades at Mooloolaba Rd / Syd Lingard Dr and Mooloolaba Rd / Sunshine Motorway (the project). The initial desktop searches were conducted on 16 March 2020 and results were included and discussed in the project Environmental Scoping Report. Given almost two years has lapsed since the original desktop searches were undertaken, the desktop searches were repeated on 14 February 2022 to ensure the currency of results.

This Technical Memorandum has been prepared to detail and discuss the results of the desktop searches conducted in 2022 and will be appended to the Environmental Scoping Report.

## 2 Desktop Searches – 14<sup>th</sup> February 2022

This section details the desktop searches that were repeated from the 2020 survey and updated on 14<sup>th</sup> February 2022 for inclusion in the Environmental Scoping Report for the project. Searches were conducted for the following locations:

- Lot 742 on Plan CG4224
- Latitude -26.6785, Longitude 153.0925.

Central point searches were conducted using a 2 km buffer.

### 2.1 Cultural Heritage Database and Register

A search of the Cultural Heritage Database and Register determined that there were no changes from the initial search conducted in 2020. Appendix F details the results of the updated Cultural Heritage Database and Register search.

### 2.2 Environment Protection and Biodiversity Conservation Act 1999 Protected Matters Report

An updated search using the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) Protected Matters Search Tool has identified numerous changes to EPBC Act protected matters since the initial desktop search undertaken in 2020 (Appendix B).

The search conducted in 2022 determined that an additional Listed Threatened Ecological Community (TEC) has been identified as known to occur within the area. Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland is listed under the EPBC Act as endangered.

Two Listed Threatened Species have been removed from the updated EPBC Act Protected Matters Report for the project area and 2 km buffer, as detailed below:

- Northern Siberian bar-tailed godwit (*Limosa lapponica menzbieri*).
- Hooded plover (*Thinornis cucullatus cucullatus*).

Other changes to note are the amendment of the list referred to in section 178 of the EPBC Act by updating the names of the listed threatened species:

- *Thalassarche cauta* to *Thalassarche cauta*.
- *Thalassarche cauta steadi* to *Thalassarche steadi*.
- *Thinornis rubricaulis* to *Thinornis cucullatus*.
- *Saiphos reticulatus* to *Coeranoscincus reticulatus*.

The following species have been subject to status changes since the desktop search was conducted in 2020:

- Giant barred frog (*Mixophyes iteratus*) status downgraded from endangered to vulnerable under both the NC Act and EPBC Act.
- Koala (*Phascolarctos cinereus*) (combined populations of Qld, NSW and the ACT) status upgraded from vulnerable to endangered under the EPBC Act.

- Shy albatross (*Thalassarche cauta*) status upgraded from vulnerable to endangered under the EPBC Act.
- Banished stink bush (*Zieria exsul*) listed as critically endangered under the EPBC Act on 8 December 2021.
- Scrub turpentine (*Rhodamnia rubescens*) listed as critically endangered under the EPBC Act on 11 December 2020.
- Native guava (*Rhodomyrtus psidioides*) listed as critically endangered under the EPBC Act on 12 December 2020.

An additional six Listed Threatened Species and one Listed Migratory Species were included in the updated search and have the potential to occur in the project area (Table 2-1).

Table 2-1 Additional significant species and communities identified in updated search that have the potential to occur in the project area

Name	Status	Type of Presence
<b>Birds</b>		
Grey falcon ( <i>Falco hypoleucos</i> )	Vulnerable	Species or species habitat may occur within area
Indian yellow-nosed albatross ( <i>Thalassarche carteri</i> )	Vulnerable	Species or species habitat may occur within area
<b>Fish</b>		
Honey blue eye ( <i>Pseudomugil mellis</i> )	Vulnerable	Species or species habitat may occur within area
<b>Plants</b>		
Scrub turpentine ( <i>Rhodamnia rubescens</i> )	Critically Endangered	Species or species habitat likely to occur within area
Native guava ( <i>Rhodomyrtus psidioides</i> )	Critically Endangered	Species or species habitat likely to occur within area
Banished stink bush ( <i>Zieria exsul</i> )	Critically Endangered	Species or species habitat known to occur within area
<b>Migratory Wetland Species</b>		
Asian dowitcher ( <i>Limnodromus semipalmatus</i> )	Migratory	Species or species habitat may occur within area
<b>Threatened Ecological Communities</b>		
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Species or species habitat may occur within area

## 2.3 Protected Plants Flora Survey Trigger Map

There has been a small reduction in the area mapped as triggering a Protected Plants Flora Survey within Lot 742 on Plan CG4224.

## 2.4 Likelihood of Occurrence

A likelihood of occurrence was completed for all newly listed species identified as potentially occurring in the project area and species with a status change under the NC Act and/or EPBC Act. Table 2–2 outlines the criteria used for the results classified in Table 2–3, further detail is provided in Section 2.5

Table 2–2 Likelihood of occurrence criteria

Likelihood	Description
Known/Recorded	Known/Recorded Species observed or recorded during the survey program. Species recorded previously within project area and known to persist via ongoing monitoring programs.
High	Species considered to have a high likelihood of occurrence include species that: <ul style="list-style-type: none"> <li>• have been recorded surrounding area on a regular basis</li> <li>• are dependent on or associated with habitat types that are present in the project area in good or unmodified condition</li> <li>• are known to persist as resident sedentary populations in areas surrounding and contiguous with the project area</li> <li>• are unlikely to persist in the project area, however, may use habitat within the project area on a seasonal, transient or opportunistic basis.</li> </ul>
Moderate	Species considered to have a moderate likelihood of occurrence include species that: <ul style="list-style-type: none"> <li>• have been recorded in the project area and/or surrounding area on a rare or intermittent basis</li> <li>• are dependent on or associated with specific types of habitat that are present in the project area in poor or modified condition</li> <li>• are unlikely to persist in the project area, however, may seasonally use resources within the project area on a transient or opportunistic basis.</li> </ul>
Low	Species considered to have a low likelihood of occurrence include species that: <ul style="list-style-type: none"> <li>• have not been recorded previously in the project area and/or surrounding area</li> <li>• are well outside their known or documented distribution range</li> <li>• are dependent or associated with specific types of habitat that are absent from the project area</li> <li>• are considered locally or regionally extinct.</li> </ul>

The following species descriptions are based on:

- Commonwealth Government Department of Agriculture, Water and the Environment (DAWE) Species Profile and Threats Database (DAWE, 2022)
- Queensland Government Department of Environment and Science (DES) WildNet database (DES, 2021)
- Atlas of Living Australia (Atlas of Living Australia, 2022).

Table 2–3 Likelihood of occurrence summary table

Value	Likelihood of Occurrence			
	Low	Moderate	High	Known
Threatened fauna	Giant barred frog Grey falcon Honey blue-eye Indian yellow-nosed albatross Shy albatross Koala			
Migratory fauna	Asian dowitcher			
Threatened flora	Tiny wattle		Scrub turpentine Native guava	Banished stink bush
Threatened Ecological Community	Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland TEC			

## 2.5 Threatened fauna

### 2.5.1 Giant barred frog (*Myxophyes iteratus*)

The Giant barred frog is distributed from Belli Creek near Eumundi to Warrimoo in mid-eastern New South Wales (NSW). It is currently known in scattered locations throughout south east Queensland, associated with flowing streams and creeks in wet sclerophyll and rainforest habitats from the coast to the ranges. This species often occurs in the lower reaches of streams which have had many disturbances.

The Giant barred frog is classified as **low** likelihood of occurrence as there are no flowing streams or creeks in wet sclerophyll forest or rainforest in the project area, making it unsuitable habitat.

### 2.5.2 Grey falcon (*Falco hypoleucos*)

The Grey falcon occurs in arid and semi-arid Australia, in areas where annual rainfall is less than 500mm, except when wet years are followed by drought, when the species might become more marginally widespread. The species appears to be absent from Cape York Peninsula, areas east of the Great Dividing Range in Queensland and New South Wales, south of the Great Dividing Range in Victoria, and south of latitude 26°S in Western Australia. The species frequents timbered lowland plains, particularly where tree-lined watercourses are present.

The Grey falcon is classified as a **low** likelihood of occurrence due to the location of the project to the east of the Great Dividing Range, and the higher rainfall and lack of tree-lined watercourses in the project area.

### 2.5.3 Honey blue-eye (*Pseudomugil mellis*)

The Honey blue-eye is an endangered species of fish that is endemic to South East Queensland, found mainly in mildly acidic, often tannin-stained, ponds and streams in wallum habitat. It is found in lakes and streams around Tin Can Bay south to Tibrogargan Creek. The water it is found in is often slow moving, mildly acidic (pH 4.40-6.8) and its habitat often lies on the fringes of large urban areas.

The Honey blue-eye is classified as a **low** likelihood of occurrence as there are no streams or ponds in wallum habitat in the project area.

### 2.5.4 Indian yellow-nosed albatross (*Thalassarche carteri*)

The Indian yellow-nosed albatross spends the majority of time out at sea, only coming to land in the breeding season with preferred habitat of slopes and cliffs in bare, rocky regions with little vegetation. The Indian yellow-nosed albatross is found off the south-western coast of Australia outside of the breeding season. This bird often chases fishing trawlers to catch scraps being thrown off the boat before they hit the water.

The Indian yellow-nosed albatross is classified as a **low** likelihood of occurrence as the bird is usually found at sea, and there is no preferred habitat for nesting in the project area.

### 2.5.5 Koala (*Phascolarctos cinerius*)

The Koala typically occurs in eastern Australian forests and woodlands of predominantly *Eucalyptus* species. The koala's habitat is determined by life history stage, soil fertility, habitat quality and nutritional requirements. Koalas are best suited to location with mean maximum summer temperatures of 23-26°C and mean annual rainfall ranges of 700-1500 mm.

As outlined in the Environmental Scoping Report, Koala habitat and non-juvenile koala habitat trees (NJKHT) are present within the project area. Koalas have not been recorded in the project area and koalas have not been recorded within 2 km of the project during the previous ten years. The most recent koala records are from 2021 at Buderim, Kunda Park and Tanawha, 3.2km, 5.3 km and 9.2km respectively from the project area. The 2021 Buderim koala record is also the closest observation to the project area.

The koala is classified as **low** likelihood of occurrence assessment in the project area. The likelihood of occurrence would be higher in the surrounding area, however koalas have not been recorded in the project area and given the fragmented nature of potential habitat, koalas are unlikely to occur in the project area.

TMR has a Memorandum of Agreement with the former Department of Environment and Heritage Protection in relation to Government Supported Transport Infrastructure within the South East Queensland Koala Protection Area. Under the Memorandum of Agreement, TMR is exempt from assessment where the project clears less than 125 NJKHT or 0.5 ha of mapped koala habitat. As the project involves clearing less than 0.5 ha of koala habitat mapped under the SPP, offsets in accordance with the Queensland Environmental Offsets Policy (V1.8) for the koala will not be required.

### 2.5.6 Shy albatross (*Thalassarche cauta*)

The Shy albatross spends the majority of its time at sea, either soaring on strong winds or resting on the water's surface. The Shy albatross is distributed across much of Australia's coastline, from mid- Western Australia to Tasmania and up to North Queensland. It feeds on fish, squid and crustaceans plucked from the ocean and can be found close inshore, even entering bays and harbours. On land, they inhabit rocky, boulder-strewn areas with sparse vegetation.

The Shy albatross is classified as a **low** likelihood of occurrence as the bird is usually found at sea, and there is no preferred habitat for nesting in the project area.

## 2.6 Migratory fauna

### 2.6.1 Asian dowitcher (*Limnodromus semipalmatus*)

The Asian dowitcher occurs in sheltered coastal environments, such as embayments, coastal lagoons, estuaries and tidal creeks. The species frequents shallow water and exposed mudflats or sandflats. The Asian dowitcher is more likely to be found on the western coast of Australia, before leaving to breeding grounds further north.

The Asian Dowitcher is classified as **low** likelihood of occurrence as the bird is usually found close to the sea and near large waterbodies, which are not present in the project area.

## 2.7 Threatened flora

### 2.7.1 Banished stink bush (*Zieria exsul*)

The Banished stink bush (*Zieria exsul*) grows in woodland and wallum heathland near Buderim and Caloundra in the South East Queensland biogeographic region. Previous records have identified this species to be growing in varied land tenures within road reserves, state land and private freehold land, including in and adjacent to the project.

The Banished stink bush (*Zieria exsul*) is classified as **known** due to the identification of the species in the project area.

TMR has developed an Impact Management Plan and obtained a clearing permit for Banished stink bush. No further assessment is required for this species under the NC Act, however an assessment will be required under the EPBC Act.

### 2.7.2 Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland Threatened Ecological Community

The Coastal Swamp Sclerophyll Forests of New South Wales and South East Queensland Threatened Ecological Community (TEC) occurs between the Great Dividing Range and the coastline from near Gladstone in Queensland, through to the south coast of New South Wales. The TEC typically occurs in low-lying coastal alluvial areas with minimal relief, such as swamps, floodplain pockets, depressions, alluvial flats, back-barrier flats, fans, terraces, and behind fore-dunes. It most commonly occurs at elevations below 20m above sea-level but may occur occasionally up to 220m above sea-level on hill slopes, for example in association with perched swamps and lakes, or a naturally high-water table.

The TEC is classified as **low** likelihood of occurrence, due to the >20 m elevation of the project area and lack of lack of perched swamps and lakes, or a naturally high-water table.

### 2.7.3 Native guava (*Rhodomyrtus psidioides*)

The Native guava (*Rhodomyrtus psidioides*) is native to eastern Australia, found in areas from southern NSW to northern Queensland. Occurrence records are typically restricted to coastal and sub-coastal areas of low elevation.

Due to the broad occurrence of this species, there is a **high** likelihood of occurrence of this species in the project area.

TMR has obtained a clearing permit for the project and no further assessment is required for this species under the NC Act, however a survey and assessment may be required under the EPBC Act.

#### 2.7.4 Scrub turpentine (*Rhodamnia rubescens*)

Scrub turpentine (*Rhodamnia rubescens*) is native to eastern Australia, growing in a variety of different rainforests from NSW up to Gympie. Suitable habitat for the Scrub turpentine (*Rhodamnia rubescens*) is in the following vegetation types; subtropical rainforests, warm temperate rainforests, littoral rainforests, and wet sclerophyll rainforests. It also has the potential to occur in adjacent areas of dry sclerophyll and grassy woodland associations, however a survey and assessment may be required under the EPBC Act.

The Scrub turpentine (*Rhodamnia rubescens*) is classified as **high** likelihood of occurrence due to the potential to occur in dry sclerophyll and grassy woodlands.

TMR has obtained a clearing permit for the project and no further assessment is required for this species under the NC Act, however a survey and assessment may be required under the EPBC Act.

#### 2.7.5 Tiny wattle (*Acacia baueri* subsp. *baueri*)

The Tiny wattle (*Acacia baueri* subsp. *baueri*) is found in coastal regions in south eastern Queensland, usually situated on plateaus made of sandstone, in rocky, exposed or damp areas as a part of coastal heathland communities. It is found on infertile and often seasonally waterlogged sands in coastal heath (wallum) habitat and adjacent plateaus and low open woodland.

The Tiny wattle (*Acacia baueri* subsp. *baueri*) is classified as **low** likelihood of occurrence due to the lack of habitat in the project area.

TMR has obtained a clearing permit for the project and no further assessment is required for this species under the NC Act.

## 2.8 Recommendations

Targeted field surveys are recommended for recently listed species that are highly likely or known to occur in the project area:

- Banished stink bush (*Zieria exsul*)
- Native guava (*Rhodomyrtus psidioides*)
- Scrub turpentine (*Rhodamnia rubescens*).

TMR has an Impact Management Plan and protected plant clearing permit for Banished stink bush (*Zieria exsul*) for this project, hence no further assessment is required for this species under the NC Act for the project area previously surveyed. No further surveys are required for any NC Act listed flora for the project area previously surveyed subject to permit area and expiry, however an assessment will be required to determine if referral under the EPBC Act is required.

Due to the high likelihood of occurrence in the project area, a field survey for Scrub turpentine (*Rhodamnia rubescens*) and Native guava (*Rhodomyrtus psidioides*) is recommended. If located, an assessment to determine if referral under the EPBC Act is required is also recommended.

Note the NC Act and EPBC Act require separate approvals.

Where works are required outside of the project area assessed in the Environmental Scoping Report, additional assessment is recommended for that area.



## 3 Additional assessments

Based on the updated searches and the proposed extension of the existing sound-barrier on the Mooloolaba Road on-ramp (south) to the Sunshine Motorway an additional field survey was undertaken on Tuesday 8<sup>th</sup> March 2022 to:

- Search for flora newly listed species under the EPBC Act across the entire project footprint.
- Assess the proposed Mooloolaba Road on-ramp (south) sound barrier extension location for fauna habitat.
- Obtain field data to inform a significant impact assessment for Banished stink bush (*Zieria exsul*), and any other EPBC Act listed flora detected during the additional field survey, against the *Matters of National Environmental Significance – Significant impact guidelines 1.1 Environment Protection and Biodiversity Conservation Act 1999* (DEWHA, 2013).

### 3.1 Field survey results

#### 3.1.1 EPBC Act listed flora survey

A systematic search of vegetation within the project area was conducted specifically targeting Scrub turpentine (*Rhodamnia rubescens*) and Native guava (*Rhodomyrtus psidioides*). Two EPBC Act listed flora were identified during the survey:

- Two Scrub turpentine (*Rhodamnia rubescens*) individuals (Figure 3-1) were identified within the project area in a patch of RE 12.9-10.14 (Figure 3-2) on the western side of Mooloolaba Road (Figure 3-5). Both individuals were approximately 4 m tall and severely defoliated, presumably from myrtle rust.
- In addition to the already identified Banished stink bush (*Zieria exsul*) on the western side of the Sunshine Motorway a single individual (Figure 3-3) was identified to the east of the Sunshine Motorway in vegetation analogous to RE 12.2.8 (Figure 3-4, Figure 3-5).

Although suitable habitat is present, no Native guava (*Rhodomyrtus psidioides*) was located. Given the small size of the habitat, the disturbed nature of the patch (invasion by *Rhaphiolepis indica* and other exotic shrubs) and the survey effort, it is unlikely that this species is present in the project area.



Figure 3-1 Foliage of scrub turpentine with myrtle rust damage



Figure 3-2 RE 12.9-10.14 vegetation



Figure 3-3 Banished stink-bush (*Zieria exsul*) individual located south of Mooloolaba Road to the east of the Sunshine Motoway



Figure 3-4 RE 12.2.8 vegetation





Figure 3-5 Location of EPBC Act listed flora species in the project area

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 CREATED BY Yani MOULAND-VAIL  
 SOURCES Roadnet, Queensland Spatial



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### 3.1.2 Sound barrier extension area

The additional area for the proposed sound barrier extends from the existing sound barrier on the south bound on-ramp to the existing project area on Mooloolaba Road (Figure 3-5). This area is a highly modified constructed batter with *Acacia* spp. and a ground layer of exotic grass species such as *Paspalum dilatatum* and *Setaria sphacelata* (Figure 3-6). *Zieria smithii*, which is a least concern species similar to (but readily identified from) Banished stink bush (*Zieria exsul*), is found in small patches in this area (Figure 3-7).



Figure 3-6: Constructed batter with concrete drain at base



Figure 3-7: Least concern *Zieria smithii* within the proposed sound barrier footprint

## 3.2 Significant impact assessments

As neither Scrub turpentine (*Rhodamnia rubescens*) or Banished stink bush (*Zieria exsul*) have specific referral guidelines, each species is assessed against the significant impact assessment criteria for critically endangered and endangered species as per the *Matters of National Environmental Significance – Significant impact guidelines 1.1 Environment Protection and Biodiversity Conservation Act 1999* (DEWHA, 2013).

As these criteria are qualitative, a generic risk assessment with justification is required to determine the risk of a significant impact occurring to a matter. Figure 3-8 presents a standard risk assessment matrix to assess risk based on the likelihood and consequence of an impact occurring.

		Consequence				
		Insignificant 1	Minor 2	Moderate 3	Major 4	Critical 5
Likelihood	Almost Certain 5	Low (5)	Medium (10)	High (15)	Very High (20)	Very High (25)
	Likely 4	Low (4)	Medium (8)	Medium (12)	High (16)	Very High (20)
	Possible 3	Very low (3)	Low (6)	Medium (9)	Medium (12)	High (15)
	Unlikely 2	Very low (2)	Low (4)	Low (6)	Medium (8)	Medium (10)
	Rare 1	Very low (1)	Very low (2)	Very low (3)	Low (4)	Low (5)

Figure 3-8 Risk assessment matrix

### 3.2.1 Banished stink bush (*Zieria exsul*)

Banished stink bush (*Zieria exsul*) is known from four subpopulations:

- Mooloolaba (adjacent to Sunshine Motorway between Mooloolaba Road and Brisbane Road). A survey of the Mooloolaba subpopulation located approximately 665 individuals (SMEC, 2021) across four sublocations.
- Palmview
- Currumundi
- Elimbah.

The extent of occurrence of the species is 131.5 km<sup>2</sup> with an area of occupancy of 24 km<sup>2</sup> (TSSC, 2021) (Figure 3-9 taken from TSSC, 2021).

Banished stink bush (*Zieria exsul*) is found exclusively in lowland wallum woodland and open forest on sandy soils with overstorey of *Corymbia intermedia*, *Eucalyptus racemosa*, *Eucalyptus robusta* and *Syncarpia glomulifera* and an understorey of wallum species (TSSC, 2021). At the Mooloolaba population, dominant canopy species are *Eucalyptus microcorys* and *Eucalyptus pilularis* with a sparse cover of wallum species in the understorey. The species appears to prefer shady areas in the ecotone between moister lowland areas and higher better drained areas (TSSC, 2021).

Banished stink bush (*Zieria exsul*) is presumed to be an obligate seeding species (TSSC, 2021) where the adult plant is killed by fire with seed germination triggered by fire. The plant is sexually mature after two years and is expected to persist less than ten years (TSSC, 2021). The flowers of the species allow for pollination by bees and flies but specifics are unknown (TSSC, 2021). Seeds are ejected close to the parent plant but are coated with an ant attracting substance which may aid in short range (i.e. <100 m) dispersal (TSSC, 2021).

Reduction or degradation of habitat due to weed invasion is listed as a real future threat to the species (TSSC, 2021). Species that would likely outcompete the species are likely exotic pasture grasses and low growing, dense shrubs such as lantana.

There are no known diseases that affect this species (TSSC, 2021).

Land clearing for infrastructure is listed as a current threat to the species resulting in direct removal of individuals, reduction of potential habitat to colonise and increase fragmentation within subpopulations (TSSC, 2021). The area of occurrence is highly fragmented with remnant vegetation greatly reduced and restricted to conservation reserves, road reserves and private land on multiple tenures (TSSC, 2021). Increase documentation of subpopulation occurrence within each overall location is a proposed abatement or recovery action, which is dependent on competent survey for threatened species being undertaken (TSSC, 2021).

It is recommended that impacts to Banished stink bush (*Zieria exsul*) be referred to the Commonwealth as there is a real chance or possibility that the project may (Table 3-1):

- Reduce the area of occupancy of the species.
- Interfere with the recovery of the species.

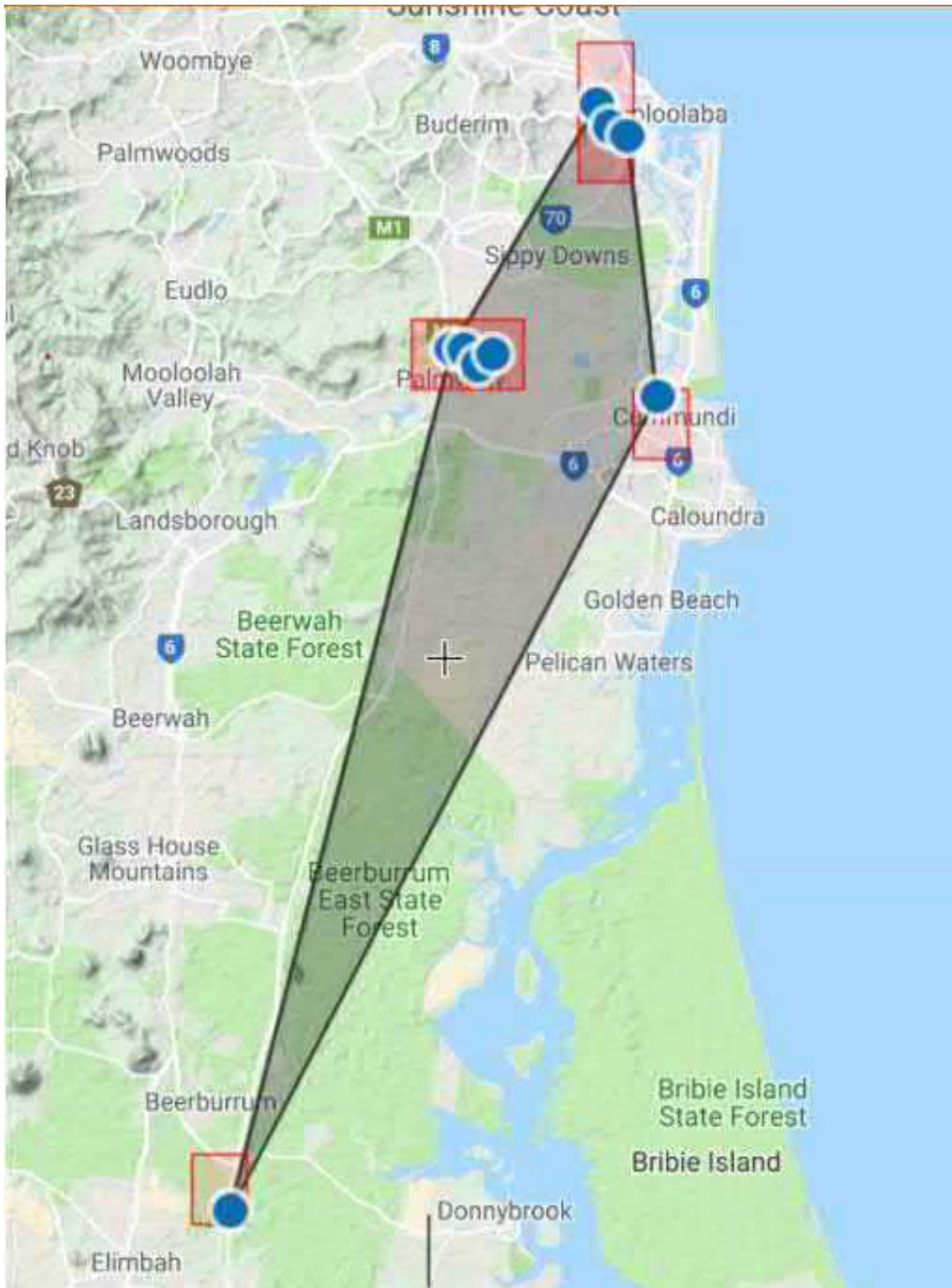


Figure 3-9 Distribution of Banished stink bush (*Zieria exsul*) showing four locations. The shaded area indicates the species area of occurrence (131.5 km<sup>2</sup>) with the area of occupancy calculated as 24 km<sup>2</sup>.

Table 3–1 Significant impact assessment for Banished stink bush (*Zieria exsul*)

Criteria	Likelihood	Consequence	Risk	Justification
Lead to a long-term decrease in the size of a population of a species.	Unlikely (2)	Minor (2)	Low (4)	The project will result in the removal of six individuals from the total Mooloolaba subpopulation size of ~665 individuals (counted in 2020). This represents 0.9% of the subpopulation. The risk of a long-term decrease in the population size is low.
Reduce the area of occupancy of the species.	Almost certain (5)	Moderate (3)	High (15)	Removal of these six individuals will reduce the Mooloolaba subpopulation from four to three sublocations. It is almost certain that the area of occupancy of the species will be reduced as there is a relatively large (~500 m) gap between the impacted sublocation and the closest sublocation to the south.
Fragment an existing population into two or more populations.	Rare (1)	Insignificant (1)	Very low (1)	The six individuals at this sublocation are the northern most extent of the species. The clearing works for the project are highly unlikely to fragment the subpopulation given the lack of suitable habitat to the north of Mooloolaba Road. The risk of fragmenting an existing population into two or more populations is very low.
Adversely affect habitat critical to the survival of a species.	Unlikely (2)	Insignificant (1)	Very low (2)	The sublocation of the six individuals is not considered habitat critical to the survival of the species as it is unlikely that: <ul style="list-style-type: none"> <li>- The habitat will be important for the long-term maintenance of the species given it only supports six individuals.</li> <li>- The six individuals are unlikely to be genetically distinct from other individuals in the subpopulation.</li> <li>- The site would be used for the reintroduction of the species given its location at a major intersection with the high potential for future infrastructure expansion.</li> </ul> Therefore, the risk to the project adversely affect habitat critical to the survival of the species is very low.
Disrupt the breeding cycle of a population.	Unlikely (2)	Insignificant (2)	Very low (2)	The species is likely pollinated by insects such as bees and flies. However, as the subpopulation is likely to not have substantial genetic variation the removal of these individuals it is unlikely to affect the subpopulation. Therefore, the risk of the subpopulations breeding cycle is disrupted is very low.

Criteria	Likelihood	Consequence	Risk	Justification
Modify, destroy, remove, isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline.	Unlikely (2)	Minor (2)	Low (4)	The project will likely result in removal of six individuals and supporting habitat. There is a low risk that this action would cause the population to cause the species to decline.
Result in invasive species that are harmful to a critically endangered or endangered species becoming established in the endangered or critically endangered species' habitat.	Possible (3)	Minor (2)	Low (6)	The project may create an edge affect adjacent to habitat where individuals have been removed and cause invasion be exotic grasses and non-native shrubs due to an increase in light availability. However, the consequence of this event would be relatively minor considering that it is expected all individuals will be removed as part of the action. The risk of invasive species becoming established in the species habitat (where they occur) is low.
Introduce disease that may cause the species to decline	N/A	N/A	N/A	There are no known diseases that affect this species.
Interfere with the recovery of the species.	Almost certain (5)	Moderate (3)	High (15)	The conservation advice lists "land clearing for infrastructure" as a key current threat to the recovery of the species. Although the project will result in a relatively small number of individuals and supporting habitat being removed, the conservation advice states that the species is under threat by cumulative impacts (i.e. "death by a thousand cuts") on the Sunshine Coast. Therefore, the risk that the project will interfere with the recovery of the species is high.



### 3.2.2 Scrub turpentine (*Rhodamnia rubescens*)

Scrub turpentine (*Rhodamnia rubescens*) is found in coastal districts between Bateman's Bay, New South Wales north to Bundaberg, Queensland (TSSC, 2020). The extent of occurrence of the species is estimated at 147,340 km<sup>2</sup> with an area of occupancy estimated at 3,360 km<sup>2</sup> (TSSC, 2020).

Scrub turpentine (*Rhodamnia rubescens*) occurs in most rainforest types, except for cool temperate rainforest, often occurring on the margin of rainforest and adjacent wet sclerophyll forest (TSSC, 2020). The species prefers elevations below 600 m and 1,000 and 1,600 mm mean annual rainfall (TSSC, 2020).

Given the large extent of occurrence and area of occupancy, contiguous distribution throughout this area and observation of the species as a common understorey tree, the total population size is estimated to be well above >10,000 individuals (TSSC, 2020). There is no data available on the local population of Scrub turpentine (*Rhodamnia rubescens*) centred around the Buderim area. However, records of the species from this area have come from vegetation in broad vegetation groups 8a and 8b, which are both wet eucalypt tall open forest on uplands and alluvia. Both broad vegetation groups are dominant within this area. Given that Scrub turpentine (*Rhodamnia rubescens*) was only listed under the NC Act and EPBC Act in 2020, there are a lack of records as this was not a species of conservation significance subject to survey until relatively recently in 2020. As such they are likely under reported from the local area.

The breeding cycle of Scrub turpentine (*Rhodamnia rubescens*) is not well studied. The number of viable seed per fruit is relatively low (Sommerville et al., 2019), which may indicate a low recruitment rate. The species is known to readily reshoot from epicormic buds following fire (TSSC, 2020) and therefore are less reliant on recruitment from seeds to maintain the population within vegetation communities in which fire is a feature (i.e. wet sclerophyll communities).

Immature foliage is extremely susceptible to myrtle rust (*Austropuccinia psidii*) which is a fungi pathogenic to plants in the Myrtaceae family (TSSC, 2020). This results in mortality of seedlings and mature individuals and is the key contributor to the species being listed directly to Critically Endangered under the EPBC Act (TSSC, 2020).

Overall there is a very low risk that the project is likely to have a significant impact on Scrub turpentine (*Rhodamnia rubescens*) (Table 3–2) and therefore referral to the Commonwealth is not recommended.

Table 3–2 Significant impact assessment for Scrub turpentine (*Rhodamnia rubescens*)

Criteria	Likelihood	Consequence	Risk	Justification
Lead to a long-term decrease in the size of a population of a species.	Unlikely (2)	Insignificant (1)	Very Low (2)	The project will result in the removal of at least one (possibly two) individuals. It is likely that the Buderim area supports a much larger population given the amount of suitable habitat in the area and the likely under reporting of the species. There is a very low risk that removing these two individuals would cause a long-term decline in the Buderim population.
Reduce the area of occupancy of the species.	Unlikely (2)	Insignificant (1)	Very Low (2)	The area of occupancy of the species has been calculated at a scale of 2 km by 2 km grid cell (TSSC, 2020). There is a very low risk that removal of these two plants would result in a reduction in the area of occupancy of the species at this scale given the likely wider presence of the species in the Buderim area.
Fragment an existing population into two or more populations.	Rare (1)	Insignificant (1)	Very Low (1)	The clearing associated with the project will result in the reduction of habitat on one side of the patch. The risk of fragmenting two populations is very low.
Adversely affect habitat critical to the survival of a species.	Unlikely (2)	Insignificant (1)	Very Low (2)	Although the species is present in the project area the vegetation is not considered habitat critical to the survival of the species as: <ul style="list-style-type: none"> <li>The vegetation is heavily invaded by exotic flora particularly Indian hawthorn which would out compete Scrub turpentine (<i>Rhodamnia rubescens</i>).</li> <li>It is unlikely that these two individuals would persist in the patch in the long-term considering competition from weeds and impacts from myrtle rust.</li> <li>It is unlikely that these two individuals would contribute greatly to the genetic diversity of the population.</li> <li>It is unlikely the habitat would be used as a reintroduction site in the future due to edge effects, level of weed infestation and proximity to the road.</li> </ul> Therefore, the risk of the project affecting habitat critical to the survival of the species is very low.
Disrupt the breeding cycle of a population.	Unlikely (2)	Insignificant (1)	Very Low (2)	These two individuals are unlikely to produce significant viable propagules to contribute to the population or contribute significantly to the genetic diversity of the population. The risk of the project disrupting the breeding cycle of the Buderim population is very low.

Criteria	Likelihood	Consequence	Risk	Justification
Modify, destroy, remove, isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline.	Unlikely (2)	Insignificant (1)	Very Low (2)	Given the extent of occurrence of the species over a large portion of eastern New South Wales and South-East Queensland the risk of the project causing the species to decline through removal of two individuals is very low.
Result in invasive species that are harmful to a critically endangered or endangered species becoming established in the endangered or critically endangered species' habitat.	Possible (3)	Insignificant (1)	Very Low (3)	These three criteria relate to myrtle rust as: - Myrtle rust can be considered an invasive species or a disease. - Myrtle rust is considered the primary threat to the species.
Introduce disease that may cause the species to decline	Possible (3)	Insignificant (1)	Very Low (3)	There is a possibility myrtle rust could be brought in and onto these individuals. However, as they are already infected with myrtle rust, are being removed and there is no Scrub turpentine ( <i>Rhodamnia rubescens</i> ) adjacent to the project area, the risk of an invasive species becoming established, introducing a disease causing the species to decline or interfering with the recovery of the species is very low.
Interfere with the recovery of the species.	Unlikely (2)	Insignificant (1)	Very Low (2)	

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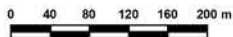
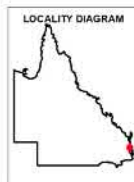
# Appendix A **Protected Plants Flora Survey Trigger Map**



### Protected Plants Flora Survey Trigger Map

#### Legend

- Selected Lot and Plan
- High risk area
- Other land parcel boundaries.
- Freeways / motorways / highways
- Secondary roads / streets



This product is projected into:  
GDA 1994 Queensland Albers

This map shows areas where particular provisions of the Nature Conservation Act 1992 apply to the clearing of protected plants.

Land parcel boundaries are provided as locational aid only.

This map is produced at a scale relevant to the size of the area selected and should be printed as A4 size in portrait orientation.

For further information or assistance with interpretation of this product, please contact the Department of Environment and Science at [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

**Disclaimer:**  
While every care is taken to ensure the accuracy of the data used to generate this product, the Queensland Government makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaim all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damages) and costs which might be incurred as a consequence of reliance on the data, or as a result of the data being inaccurate or incomplete in any way and for any reason.

## Protected plants flora survey trigger map

The protected plants flora survey trigger map identifies 'high risk areas' where endangered, vulnerable or near threatened plants are known to exist or are likely to exist. Under the *Nature Conservation Act 1992* (the Act) it is an offence to clear protected plants that are 'in the wild' unless you are authorised or the clearing is exempt, for more information see [section 89](#) of the Act.

Please see the Department of Environment and Science webpage on the [clearing of protected plants](#) for information on what exemptions may apply in your circumstances, whether you may need to undertake a flora survey, and whether you may need a protected plants clearing permit.

### Updates to the data informing the flora survey trigger map

The flora survey trigger map will be reviewed, and updated if necessary, at least every 12 months to ensure the map reflects the most up-to-date and accurate data available.

### Species information

Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. Regardless of whether species information is available for a particular high risk area, clearing plants in a high risk area may require a flora survey and/or clearing permit. Please see the Department of Environment and Science webpage on the [clearing of protected plants](#) for more information.

# Appendix B *Environment Protection and Biodiversity Conservation Act 1999* Protected Matters Report





# EPBC Act Protected Matters Report

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

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

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

Report created: 14/02/22 14:54:13

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

**No Image  
Available**

This map may contain data which are  
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[Coordinates](#)

[Buffer: 2.0Km](#)

No Image  
Available

# Summary

## Matters of National Environmental Significance

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

<a href="#">World Heritage Properties:</a>	None
<a href="#">National Heritage Places:</a>	None
<a href="#">Wetlands of International Importance:</a>	None
<a href="#">Great Barrier Reef Marine Park:</a>	None
<a href="#">Commonwealth Marine Area:</a>	None
<a href="#">Listed Threatened Ecological Communities:</a>	3
<a href="#">Listed Threatened Species:</a>	84
<a href="#">Listed Migratory Species:</a>	58

## Other Matters Protected by the EPBC Act

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

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

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

<a href="#">Commonwealth Land:</a>	None
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	90
<a href="#">Whales and Other Cetaceans:</a>	13
<a href="#">Critical Habitats:</a>	None
<a href="#">Commonwealth Reserves Terrestrial:</a>	None
<a href="#">Australian Marine Parks:</a>	None

## Extra Information

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

<a href="#">State and Territory Reserves:</a>	None
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Invasive Species:</a>	31
<a href="#">Nationally Important Wetlands:</a>	1
<a href="#">Key Ecological Features (Marine)</a>	None

# Details

## Matters of National Environmental Significance

### Listed Threatened Ecological Communities

[ [Resource Information](#) ]

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

Name	Status	Type of Presence
<a href="#">Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community</a>	Endangered	Community may occur within area
<a href="#">Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland</a>	Endangered	Community known to occur within area
<a href="#">Lowland Rainforest of Subtropical Australia</a>	Critically Endangered	Community likely to occur within area

### Listed Threatened Species

[ [Resource Information](#) ]

Name	Status	Type of Presence
<b>Birds</b>		
<a href="#">Anthochaera phrygia</a> Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area
<a href="#">Botaurus poiciloptilus</a> Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Cyclopsitta diophthalma coxeni</a> Coxen's Fig-Parrot [59714]	Endangered	Species or species habitat may occur within area
<a href="#">Diomedea antipodensis</a> Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area
<a href="#">Diomedea antipodensis gibsoni</a> Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area
<a href="#">Erythrotriorchis radiatus</a> Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Falco hypoleucos</a> Grey Falcon [929]	Vulnerable	Species or species

Name	Status	Type of Presence
<a href="#">Fregetta grallaria grallaria</a> White-bellied Storm-Petrel (Tasman Sea), White-bellied Storm-Petrel (Australasian) [64438]	Vulnerable	habitat may occur within area Species or species habitat likely to occur within area
<a href="#">Hirundapus caudacutus</a> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Lathamus discolor</a> Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Limosa lapponica baueri</a> Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Pachyptila turtur subantarctica</a> Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Phoebetria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
<a href="#">Pterodroma neglecta neglecta</a> Kermadec Petrel (western) [64450]	Vulnerable	Foraging, feeding or related behaviour may occur within area
<a href="#">Rostratula australis</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
<a href="#">Sternula nereis nereis</a> Australian Fairy Tern [82950]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche eremita</a> Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche salvini</a> Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within

Name	Status	Type of Presence area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Turnix melanogaster</a> Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area
<b>Fish</b>		
<a href="#">Epinephelus daemeli</a> Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat may occur within area
<a href="#">Hippocampus whitei</a> White's Seahorse, Crowned Seahorse, Sydney Seahorse [66240]	Endangered	Species or species habitat likely to occur within area
<a href="#">Pseudomugil mellis</a> Honey Blue Eye, Honey Blue-eye [26180]	Vulnerable	Species or species habitat may occur within area
<b>Frogs</b>		
<a href="#">Litoria olongburensis</a> Wallum Sedge Frog [1821]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Mixophyes fleayi</a> Fleay's Frog [25960]	Endangered	Species or species habitat may occur within area
<a href="#">Mixophyes iteratus</a> Giant Barred Frog, Southern Barred Frog [1944]	Vulnerable	Species or species habitat likely to occur within area
<b>Insects</b>		
<a href="#">Argynnis hyperbius inconstans</a> Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area
<a href="#">Phyllodes imperialis smithersi</a> Pink Underwing Moth [86084]	Endangered	Species or species habitat may occur within area
<b>Mammals</b>		
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Chalinolobus dwyeri</a> Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Dasyurus hallucatus</a> Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat likely to occur within area
<a href="#">Dasyurus maculatus maculatus (SE mainland population)</a> Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Petauroides volans</a> Greater Glider [254]	Vulnerable	Species or species habitat likely to occur within area



Name	Status	Type of Presence
<a href="#">Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)</a>		
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area
<a href="#">Potorous tridactylus tridactylus</a>		
Long-nosed Potoroo (SE Mainland) [66645]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Pteropus poliocephalus</a>		
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
<a href="#">Xeromys myoides</a>		
Water Mouse, False Water Rat, Yirrkoo [66]	Vulnerable	Species or species habitat known to occur within area
<b>Plants</b>		
<a href="#">Acacia attenuata</a>		
[10690]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Acronychia littoralis</a>		
Scented Acronychia [8582]	Endangered	Species or species habitat likely to occur within area
<a href="#">Allocasuarina emuina</a>		
Emu Mountain Sheoak, Mt Emu She-oak [21926]	Endangered	Species or species habitat likely to occur within area
<a href="#">Allocasuarina thalassoscopica</a>		
[21927]	Endangered	Species or species habitat likely to occur within area
<a href="#">Arthraxon hispidus</a>		
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Baloghia marmorata</a>		
Marbled Baloghia, Jointed Baloghia [8463]	Vulnerable	Species or species habitat may occur within area
<a href="#">Bosistoa transversa</a>		
Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Cryptocarya foetida</a>		
Stinking Cryptocarya, Stinking Laurel [11976]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Cryptostylis hunteriana</a>		
Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area
<a href="#">Eucalyptus conglomerata</a>		
Swamp Stringybark [3160]	Endangered	Species or species habitat known to occur within area
<a href="#">Graptophyllum reticulatum</a>		
Veiny Graptophyllum [55459]	Endangered	Species or species habitat known to occur within area
<a href="#">Macadamia integrifolia</a>		
Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Macadamia ternifolia</a>		
Small-fruited Queensland Nut, Gympie Nut [7214]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Macadamia tetraphylla</a>		
Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat likely to occur within area

Name	Status	Type of Presence
<a href="#">Phaius australis</a> Lesser Swamp-orchid [5872]	Endangered	Species or species habitat likely to occur within area
<a href="#">Prasophyllum wallum</a> Wallum Leek-orchid [55148]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Rhodamnia rubescens</a> Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Rhodomyrtus psidioides</a> Native Guava [19162]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Samadera bidwillii</a> Quassia [29708]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sophora fraseri</a> [8836]	Vulnerable	Species or species habitat may occur within area
<a href="#">Triunia robusta</a> Glossy Spice Bush [14747]	Endangered	Species or species habitat likely to occur within area
<a href="#">Zieria exsul</a> Banished Stink Bush [84829]	Critically Endangered	Species or species habitat known to occur within area
<b>Reptiles</b>		
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Coeranoscincus reticulatus</a> Three-toed Snake-tooth Skink [59628]	Vulnerable	Species or species habitat may occur within area
<a href="#">Delma torquata</a> Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Breeding likely to occur within area
<a href="#">Furina dunmalli</a> Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
<b>Sharks</b>		
<a href="#">Carcharias taurus (east coast population)</a> Grey Nurse Shark (east coast population) [68751]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Carcharodon carcharias</a> White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area

Name	Status	Type of Presence
<a href="#">Pristis zijsron</a> Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Breeding may occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area

### Listed Migratory Species [ [Resource Information](#) ]

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

Name	Threatened	Type of Presence
<b>Migratory Marine Birds</b>		
<a href="#">Anous stolidus</a> Common Noddy [825]		Species or species habitat likely to occur within area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Ardenna carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Ardenna grisea</a> Sooty Shearwater [82651]		Species or species habitat may occur within area
<a href="#">Calonectris leucomelas</a> Streaked Shearwater [1077]		Species or species habitat known to occur within area
<a href="#">Diomedea antipodensis</a> Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area
<a href="#">Fregata ariel</a> Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat known to occur within area
<a href="#">Fregata minor</a> Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat likely to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Phoebastria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sternula albifrons</a> Little Tern [82849]		Species or species habitat may occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area



Name	Threatened	Type of Presence
<a href="#">Thalassarche eremita</a> Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche salvini</a> Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area
<b>Migratory Marine Species</b>		
<a href="#">Balaena glacialis australis</a> Southern Right Whale [75529]	Endangered*	Species or species habitat likely to occur within area
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Carcharhinus longimanus</a> Oceanic Whitetip Shark [84108]		Species or species habitat may occur within area
<a href="#">Carcharodon carcharias</a> White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Dugong dugon</a> Dugong [28]		Species or species habitat known to occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Breeding likely to occur within area
<a href="#">Lamna nasus</a> Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area
<a href="#">Manta alfredi</a> Reef Manta Ray, Coastal Manta Ray, Inshore Manta Ray, Prince Alfred's Ray, Resident Manta Ray [84994]		Species or species habitat may occur within area
<a href="#">Manta birostris</a> Giant Manta Ray, Chevron Manta Ray, Pacific Manta Ray, Pelagic Manta Ray, Oceanic Manta Ray [84995]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
<a href="#">Orcaella heinsohni</a> Australian Snubfin Dolphin [81322]		Species or species habitat may occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Pristis zijsron</a> Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Breeding may occur within area
<a href="#">Rhincodon typus</a> Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area
<a href="#">Sousa chinensis</a> Indo-Pacific Humpback Dolphin [50]		Breeding known to occur within area
<b>Migratory Terrestrial Species</b>		
<a href="#">Cuculus optatus</a> Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area
<a href="#">Hirundapus caudacutus</a> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Monarcha melanopsis</a> Black-faced Monarch [609]		Species or species habitat known to occur within area
<a href="#">Monarcha trivirgatus</a> Spectacled Monarch [610]		Species or species habitat known to occur within area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat known to occur within area
<a href="#">Rhipidura rufifrons</a> Rufous Fantail [592]		Species or species habitat known to occur within area
<b>Migratory Wetlands Species</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat known to occur within area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat likely to occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat likely to occur within area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Species or species

Name	Threatened	Type of Presence
<a href="#">Limnodromus semipalmatus</a> Asian Dowitcher [843]		habitat known to occur within area  Species or species habitat may occur within area
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		Species or species habitat known to occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Breeding known to occur within area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area

## Other Matters Protected by the EPBC Act

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

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

Name	Threatened	Type of Presence
<b>Birds</b>		
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat known to occur within area
<a href="#">Anous stolidus</a> Common Noddy [825]		Species or species habitat likely to occur within area
<a href="#">Anseranas semipalmata</a> Magpie Goose [978]		Species or species habitat may occur within area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
<a href="#">Ardea ibis</a> Cattle Egret [59542]		Species or species habitat may occur within area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat likely to occur within area
<a href="#">Calidris canutus</a> Red Knot, Knot [855]	Endangered	Species or species habitat known to occur within area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat likely to occur within area
<a href="#">Calonectris leucomelas</a> Streaked Shearwater [1077]		Species or species habitat known to occur within area

Name	Threatened	Type of Presence
<a href="#">Diomedea antipodensis</a> Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area
<a href="#">Diomedea exulans</a> Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area
<a href="#">Diomedea gibsoni</a> Gibson's Albatross [64466]	Vulnerable*	Species or species habitat may occur within area
<a href="#">Fregata ariel</a> Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat known to occur within area
<a href="#">Fregata minor</a> Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat likely to occur within area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area
<a href="#">Haliaeetus leucogaster</a> White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
<a href="#">Hirundapus caudacutus</a> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Lathamus discolor</a> Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
<a href="#">Limnodromus semipalmatus</a> Asian Dowitcher [843]		Species or species habitat may occur within area
<a href="#">Limosa lapponica</a> Bar-tailed Godwit [844]		Species or species habitat known to occur within area
<a href="#">Macronectes giganteus</a> Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
<a href="#">Macronectes halli</a> Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<a href="#">Monarcha melanopsis</a> Black-faced Monarch [609]		Species or species habitat known to occur within area
<a href="#">Monarcha trivirgatus</a> Spectacled Monarch [610]		Species or species habitat known to occur within area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat known to occur within area
<a href="#">Numenius madagascariensis</a> Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area



Name	Threatened	Type of Presence
<a href="#">Pachyptila turtur</a> Fairy Prion [1066]		Species or species habitat known to occur within area
<a href="#">Pandion haliaetus</a> Osprey [952]		Breeding known to occur within area
<a href="#">Phoebetria fusca</a> Sooty Albatross [1075]	Vulnerable	Species or species habitat may occur within area
<a href="#">Puffinus carneipes</a> Flesh-footed Shearwater, Fleshy-footed Shearwater [1043]		Foraging, feeding or related behaviour likely to occur within area
<a href="#">Puffinus griseus</a> Sooty Shearwater [1024]		Species or species habitat may occur within area
<a href="#">Rhipidura rufifrons</a> Rufous Fantail [592]		Species or species habitat known to occur within area
<a href="#">Rostratula benghalensis (sensu lato)</a> Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
<a href="#">Sterna albifrons</a> Little Tern [813]		Species or species habitat may occur within area
<a href="#">Thalassarche carteri</a> Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche cauta</a> Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche eremita</a> Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area
<a href="#">Thalassarche impavida</a> Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche melanophris</a> Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche salvini</a> Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area
<a href="#">Thalassarche steadi</a> White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area
<a href="#">Tringa nebularia</a> Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area
<b>Fish</b>		
<a href="#">Acentronura tentaculata</a> Shortpouch Pygmy Pipehorse [66187]		Species or species habitat may occur within area
<a href="#">Campichthys tryoni</a> Tryon's Pipefish [66193]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Corythoichthys amplexus</a> Fijian Banded Pipefish, Brown-banded Pipefish [66199]		Species or species habitat may occur within area
<a href="#">Corythoichthys ocellatus</a> Orange-spotted Pipefish, Ocellated Pipefish [66203]		Species or species habitat may occur within area
<a href="#">Festucalex cinctus</a> Girdled Pipefish [66214]		Species or species habitat may occur within area
<a href="#">Filicampus tigris</a> Tiger Pipefish [66217]		Species or species habitat may occur within area
<a href="#">Halicampus grayi</a> Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area
<a href="#">Hippichthys cyanospilos</a> Blue-speckled Pipefish, Blue-spotted Pipefish [66228]		Species or species habitat may occur within area
<a href="#">Hippichthys heptagonus</a> Madura Pipefish, Reticulated Freshwater Pipefish [66229]		Species or species habitat may occur within area
<a href="#">Hippichthys penicillus</a> Beady Pipefish, Steep-nosed Pipefish [66231]		Species or species habitat may occur within area
<a href="#">Hippocampus kelloggi</a> Kellogg's Seahorse, Great Seahorse [66723]		Species or species habitat may occur within area
<a href="#">Hippocampus kuda</a> Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area
<a href="#">Hippocampus planifrons</a> Flat-face Seahorse [66238]		Species or species habitat may occur within area
<a href="#">Hippocampus trimaculatus</a> Three-spot Seahorse, Low-crowned Seahorse, Flat-faced Seahorse [66720]		Species or species habitat may occur within area
<a href="#">Hippocampus whitei</a> White's Seahorse, Crowned Seahorse, Sydney Seahorse [66240]	Endangered	Species or species habitat likely to occur within area
<a href="#">Lissocampus runa</a> Javelin Pipefish [66251]		Species or species habitat may occur within area
<a href="#">Maroubra perserrata</a> Sawtooth Pipefish [66252]		Species or species habitat may occur within area
<a href="#">Micrognathus andersonii</a> Anderson's Pipefish, Shortnose Pipefish [66253]		Species or species habitat may occur within area
<a href="#">Micrognathus brevirostris</a> thorntail Pipefish, Thorn-tailed Pipefish [66254]		Species or species habitat may occur within area
<a href="#">Microphis manadensis</a> Manado Pipefish, Manado River Pipefish [66258]		Species or species habitat may occur within area

Name	Threatened	Type of Presence
<a href="#">Solegnathus dunckeri</a> Duncker's Pipehorse [66271]		Species or species habitat may occur within area
<a href="#">Solegnathus hardwickii</a> Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area
<a href="#">Solegnathus spinosissimus</a> Spiny Pipehorse, Australian Spiny Pipehorse [66275]		Species or species habitat may occur within area
<a href="#">Solenostomus cyanopterus</a> Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area
<a href="#">Solenostomus paradoxus</a> Ornate Ghostpipefish, Harlequin Ghost Pipefish, Ornate Ghost Pipefish [66184]		Species or species habitat may occur within area
<a href="#">Stigmatopora nigra</a> Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area
<a href="#">Syngnathoides biaculeatus</a> Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area
<a href="#">Trachyrhamphus bicoarctatus</a> Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area
<a href="#">Urocampus carinirostris</a> Hairy Pipefish [66282]		Species or species habitat may occur within area
<a href="#">Vanacampus margaritifer</a> Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area
<b>Mammals</b>		
<a href="#">Dugong dugon</a> Dugong [28]		Species or species habitat known to occur within area
<b>Reptiles</b>		
<a href="#">Acalyptophis peronii</a> Horned Seasnake [1114]		Species or species habitat may occur within area
<a href="#">Aipysurus laevis</a> Olive Seasnake [1120]		Species or species habitat may occur within area
<a href="#">Astrotia stokesii</a> Stokes' Seasnake [1122]		Species or species habitat may occur within area
<a href="#">Caretta caretta</a> Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area
<a href="#">Chelonia mydas</a> Green Turtle [1765]	Vulnerable	Breeding known to occur within area
<a href="#">Dermochelys coriacea</a> Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Breeding likely to occur within area
<a href="#">Disteira kingii</a> Spectacled Seasnake [1123]		Species or species habitat may occur within area
<a href="#">Disteira major</a> Olive-headed Seasnake [1124]		Species or species

Name	Threatened	Type of Presence
<a href="#">Emydocephalus annulatus</a> Turtle-headed Seasnake [1125]		habitat may occur within area  Species or species habitat may occur within area
<a href="#">Eretmochelys imbricata</a> Hawksbill Turtle [1766]	Vulnerable	Breeding likely to occur within area
<a href="#">Hydrophis elegans</a> Elegant Seasnake [1104]		Species or species habitat may occur within area
<a href="#">Laticauda laticaudata</a> a sea krait [1093]		Species or species habitat may occur within area
<a href="#">Lepidochelys olivacea</a> Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area
<a href="#">Natator depressus</a> Flatback Turtle [59257]	Vulnerable	Breeding known to occur within area
<a href="#">Pelamis platurus</a> Yellow-bellied Seasnake [1091]		Species or species habitat may occur within area

## Whales and other Cetaceans [ [Resource Information](#) ]

Name	Status	Type of Presence
<b>Mammals</b>		
<a href="#">Balaenoptera acutorostrata</a> Minke Whale [33]		Species or species habitat may occur within area
<a href="#">Balaenoptera edeni</a> Bryde's Whale [35]		Species or species habitat may occur within area
<a href="#">Balaenoptera musculus</a> Blue Whale [36]	Endangered	Species or species habitat may occur within area
<a href="#">Delphinus delphis</a> Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area
<a href="#">Eubalaena australis</a> Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area
<a href="#">Grampus griseus</a> Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area
<a href="#">Megaptera novaeangliae</a> Humpback Whale [38]	Vulnerable	Species or species habitat known to occur within area
<a href="#">Orcaella brevirostris</a> Irrawaddy Dolphin [45]		Species or species habitat may occur within area
<a href="#">Orcinus orca</a> Killer Whale, Orca [46]		Species or species habitat may occur within area
<a href="#">Sousa chinensis</a> Indo-Pacific Humpback Dolphin [50]		Breeding known to occur within area
<a href="#">Stenella attenuata</a> Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species



Name	Status	Type of Presence
<a href="#">Tursiops aduncus</a> Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		habitat may occur within area  Species or species habitat likely to occur within area
<a href="#">Tursiops truncatus s. str.</a> Bottlenose Dolphin [68417]		Species or species habitat may occur within area

## Extra Information

### Invasive Species [ Resource Information ]

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

Name	Status	Type of Presence
<b>Birds</b>		
Acridotheres tristis Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Lonchura punctulata Nutmeg Mannikin [399]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
<b>Frogs</b>		
Rhinella marina Cane Toad [83218]		Species or species habitat known to occur within area
<b>Mammals</b>		
Bos taurus Domestic Cattle [16]		Species or species

Name	Status	Type of Presence
<p>Canis lupus familiaris Domestic Dog [82654]</p>		<p>habitat likely to occur within area</p> <p>Species or species habitat likely to occur within area</p>
<p>Felis catus Cat, House Cat, Domestic Cat [19]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Lepus capensis Brown Hare [127]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Mus musculus House Mouse [120]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Rattus norvegicus Brown Rat, Norway Rat [83]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Rattus rattus Black Rat, Ship Rat [84]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Sus scrofa Pig [6]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Vulpes vulpes Red Fox, Fox [18]</p>		<p>Species or species habitat likely to occur within area</p>
<b>Plants</b>		
<p>Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Asparagus aethiopicus Asparagus Fern, Ground Asparagus, Basket Fern, Sprengi's Fern, Bushy Asparagus, Emerald Asparagus [62425]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Asparagus africanus Climbing Asparagus, Climbing Asparagus Fern [66907]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Cabomba caroliniana Cabomba, Fanwort, Carolina Watershield, Fish Grass, Washington Grass, Watershield, Carolina Fanwort, Common Cabomba [5171]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Chrysanthemoides monilifera Bitou Bush, Boneseed [18983]</p>		<p>Species or species habitat may occur within area</p>
<p>Chrysanthemoides monilifera subsp. rotundata Bitou Bush [16332]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Hymenachne amplexicaulis Hymenachne, Olive Hymenachne, Water Stargrass, West Indian Grass, West Indian Marsh Grass [31754]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]</p>		<p>Species or species habitat likely to occur within area</p>
<p>Opuntia spp. Prickly Pears [82753]</p>		<p>Species or species habitat likely to occur within area</p>

Name	Status	Type of Presence
Salvinia molesta Salvinia, Giant Salvinia, Aquarium Watermoss, Kariba Weed [13665]		Species or species habitat likely to occur within area
Senecio madagascariensis Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area

### Reptiles

Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Ramphotyphlops braminus Flowerpot Blind Snake, Brahminy Blind Snake, Cacing Besi [1258]		Species or species habitat may occur within area

### Nationally Important Wetlands

[ [Resource Information](#) ]

Name	State
<a href="#">Lower Mooloolah River</a>	QLD

# Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

# Coordinates

-26.67783 153.09253

# 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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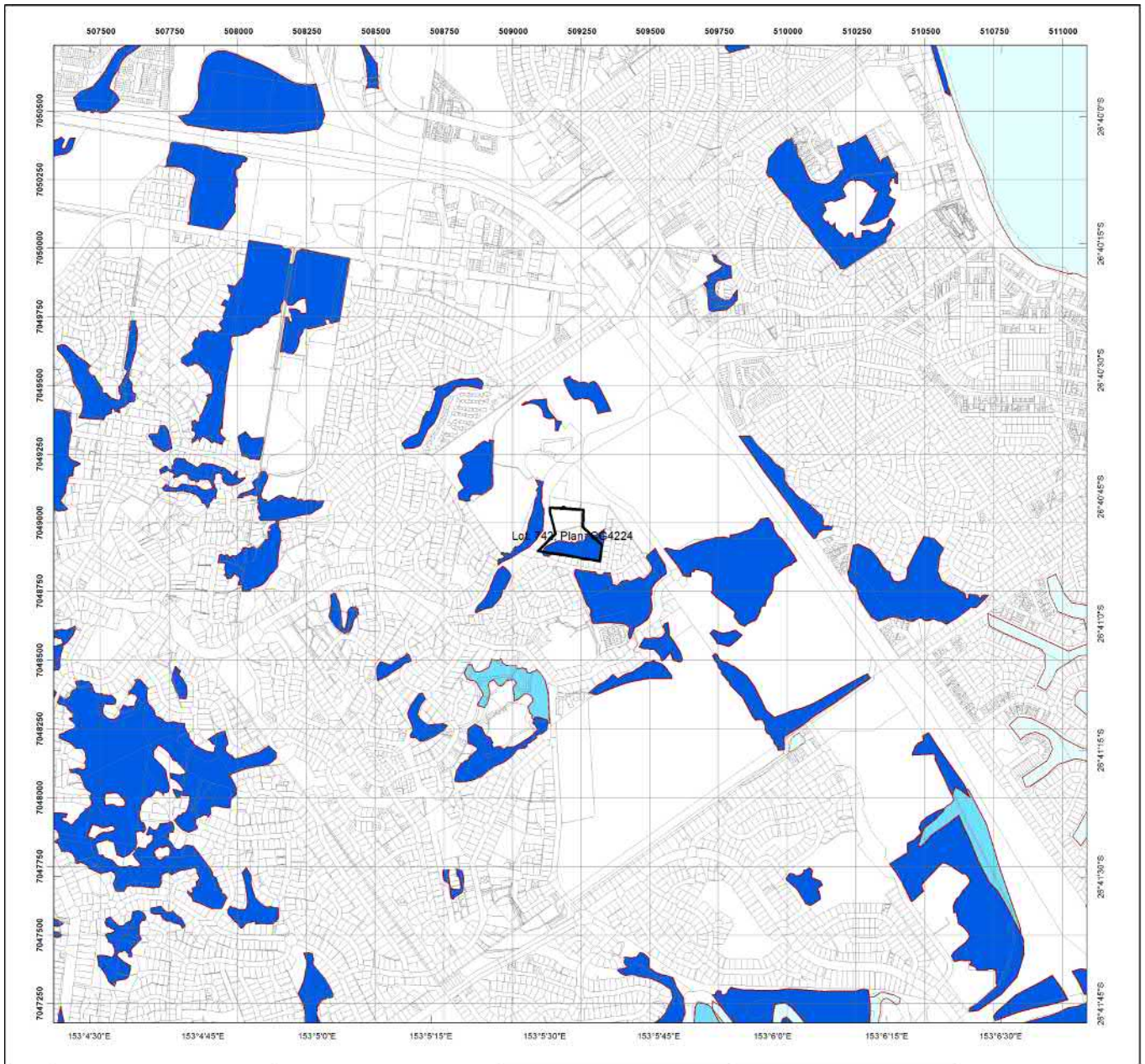
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## Appendix C **Regulated Vegetation Management Map**





## Regulated Vegetation Management Map

### Legend

- Selected Lot and Plan
- Category A area (Vegetation offsets/compliance notices/VDecs)
- Category B area (Remnant vegetation)
- Category C area (High-value regrowth vegetation)
- Category R area (Reef regrowth watercourse vegetation)
- Category X area (Exempt clearing work on Freehold, Indigenous and Leasehold land)
- Water
- Area not categorised
- Other land parcel boundaries



This product is projected into:  
 GDA 1994 MGA Zone 56

### Disclaimer:

While every care is taken to ensure the accuracy of this product, the Department of Resources makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

Additional information required for the assessment of vegetation values is provided in the accompanying "Vegetation Management Supporting map". For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

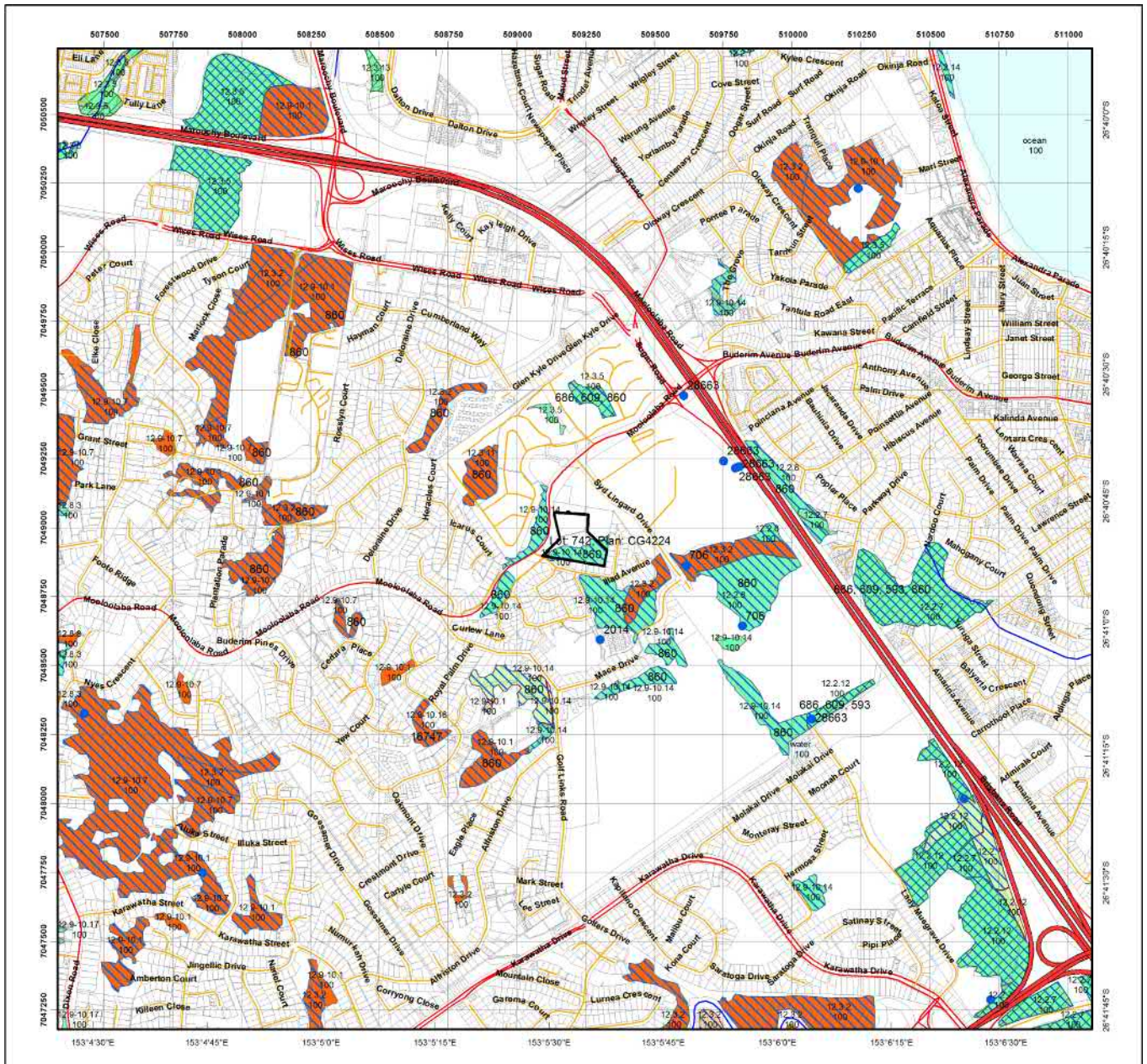
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

Land parcel boundaries are provided as locational aid only.

This map is updated on a monthly basis to ensure new PMAVs are included as they are approved.







## Vegetation Management Supporting Map

### Legend

- Selected Lot and Plan
- Category A or B area containing endangered regional ecosystems
- Category A or B area containing of concern regional ecosystems
- Category A or B area that is a least concern regional ecosystem
- Category C or R area containing endangered regional ecosystems
- Category C or R area containing of concern regional ecosystems
- Category C or R area that is a least concern regional ecosystem
- Category X area
- Water
- Wetland on the vegetation management wetlands map
- Essential habitat on the essential habitat map
- Essential habitat species record
- Watercourses and drainage features on the vegetation management watercourse and drainage features map (Stream order shown as black number against stream where available)
- Highway
- Connector
- Street/Local Road
- National Parks, State Forest and other reserves
- Other land parcel boundaries



0 140 280 420 560 700 m

This product is projected into:  
 GDA 1994 MGA Zone 56

Labels for Essential Habitat are centred on the area of enquiry.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/- 100 metres.

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 While every care is taken to ensure the accuracy of this product, the Department of Resources makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

Digital data for the vegetation management watercourse and drainage feature map, vegetation management wetlands map, essential habitat map and the vegetation management remnant and regional ecosystem map are available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

Land parcel boundaries are provided as locational aid only.



# Vegetation Management Act 1999 - Extract from the essential habitat database

Essential habitat is required for assessment under the:

- State Development Assessment Provisions - State Code 16: Native vegetation clearing which sets out the matters of interest to the state for development assessment under the *Planning Act 2016*, and
- Accepted development vegetation clearing codes made under the *Vegetation Management Act 1999*

Essential habitat for one or more of the following species is found on and within 1.1 km of the identified subject lot/s on the accompanying essential habitat map.

This report identifies essential habitat in Category A, B and Category C areas.

The numeric labels on the essential habitat map can be cross referenced with the database below to determine which essential habitat factors might exist for a particular species.

Essential habitat is compiled from a combination of species habitat models and buffered species records.

The Department of Resources website (<http://www.resources.qld.gov.au>) has more information on how the layer is applied under the State Development Assessment Provisions - State Code 16: Native vegetation clearing and the *Vegetation Management Act 1999*.

Regional ecosystem is a mandatory essential habitat factor, unless otherwise stated.

Essential habitat, for protected wildlife, means a category A area, a category B area or category C area shown on the regulated vegetation management map-

- 1) that has at least 3 essential habitat factors for the protected wildlife that must include any essential habitat factors that are stated as mandatory for the protected wildlife in the essential habitat database; or
- 2) in which the protected wildlife, at any stage of its life cycle, is located.

Protected wildlife includes critically endangered, endangered, vulnerable or near-threatened native wildlife prescribed under the *Nature Conservation Act 1992*.

## Essential habitat in Category A and/or Category B and/or Category C

Label	Scientific Name	Common Name	NCA Status	Vegetation Community	Altitude	Soils	Position in Landscape
860	<i>Phascolarctos cinereus</i>	koala	V	Open forests and woodlands containing <i>Eucalyptus</i> , <i>Corymbia</i> , <i>Lophostemon</i> or <i>Melaleuca</i> trees having a trunk of a diameter of more than 10cm at 1.3m above the ground. Tree species used for food and habitat varies across the state and can include: <i>Corymbia citriodora</i> , <i>Corymbia henryi</i> , <i>Corymbia intermedia</i> , <i>Eucalyptus acmenoides</i> , <i>Eucalyptus bancroftii</i> , <i>Eucalyptus biturbinata</i> , <i>Eucalyptus blakelyi</i> , <i>Eucalyptus brownii</i> , <i>Eucalyptus camaldulensis</i> , <i>Eucalyptus carnea</i> , <i>Eucalyptus chloroclada</i> , <i>Eucalyptus coolabah</i> , <i>Eucalyptus crebra</i> , <i>Eucalyptus dealbata</i> , <i>Eucalyptus drepanophylla</i> , <i>Eucalyptus dunii</i> , <i>Eucalyptus eugenioides</i> , <i>Eucalyptus exserta</i> , <i>Eucalyptus fibrosa</i> , <i>Eucalyptus grandis</i> , <i>Eucalyptus helidonica</i> , <i>Eucalyptus latisimensis</i> , <i>Eucalyptus longirostrata</i> , <i>Eucalyptus major</i> , <i>Eucalyptus melanophloia</i> , <i>Eucalyptus melliodora</i> , <i>Eucalyptus microcarpa</i> , <i>Eucalyptus microcorys</i> , <i>Eucalyptus microtheca</i> , <i>Eucalyptus moluccana</i> , <i>Eucalyptus montivaga</i> , <i>Eucalyptus orgadophila</i> , <i>Eucalyptus papuana</i> , <i>Eucalyptus pilularis</i> , <i>Eucalyptus platyphylla</i> , <i>Eucalyptus populnea</i> , <i>Eucalyptus portuensis</i> , <i>Eucalyptus propinqua</i> , <i>Eucalyptus racemosa</i> , <i>Eucalyptus resinifera</i> , <i>Eucalyptus robusta</i> , <i>Eucalyptus saligna</i> , <i>Eucalyptus seeana</i> , <i>Eucalyptus siderophloia</i> , <i>Eucalyptus sideroxylon</i> , <i>Eucalyptus tereticornis</i> , <i>Eucalyptus thozettiana</i> , <i>Eucalyptus lindalae</i> , <i>Eucalyptus umbra</i> , <i>Lophostemon confertus</i> , <i>Melaleuca leucadendra</i> , <i>Melaleuca quinquenervia</i> .	Sea level to 1000m.	None	Riparian areas, plains and hills/escarpment slopes.
706	<i>Adelotus brevis</i>	tusked frog	V	In cavities, under debris (logs, stones) in subtropical vine forest, tall open moist forest, heaths, <i>Melaleuca</i> swamp and pasturelands near puddles and streams.	Sea level to 1000m.	None	None
2014	<i>Ornithoptera richmondia</i>	Richmond birdwing	V	Lowland (including littoral & gallery) and upland subtropical rainforest with <i>Paristolochia praevanosa</i> and <i>P. laheyana</i> respectively; <i>P. praevanosa</i> occurs below 600m asl on basaltic slopes, creek banks, or on volcanic alluvial soils near watercourses, while <i>P. laheyana</i> occurs on basaltic ridges and slopes at >800m asl.	Sea level to >800m.	Basalt and volcanic alluvial substrates.	None
28663	<i>Zieria exsul</i>	banished stink bush	CE	woodland of <i>Corymbia trachyphloia</i> , <i>Eucalyptus siderophloia</i> , <i>E. racemosa</i> , <i>Allocasuarina littoralis</i> , woodland of <i>Eucalyptus robusta</i> , <i>Syncarpia glomulifera</i> , <i>Livistona australis</i> , <i>Elaeocarpus reticulatus</i> , <i>Zieria minutiflora</i> and <i>Banksia spinulosa</i> subsp. <i>spinulosa</i>	0 to 150	sand or sand over clay	coastal plain

Label	Regional Ecosystem (mandatory unless otherwise specified)
860	4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.8, 4.3.10, 4.3.11, 4.5.3, 4.5.5, 4.5.6, 4.5.8, 4.5.9, 4.7.1, 4.7.7, 4.7.8, 4.9.6, 4.9.10, 4.9.12, 4.9.17, 6.3.1, 6.3.2, 6.3.3, 6.3.4, 6.3.5, 6.3.7, 6.3.8, 6.3.9, 6.3.11, 6.3.12, 6.3.17, 6.3.18, 6.3.22, 6.3.24, 6.3.25, 6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.5.1, 6.5.2, 6.5.3, 6.5.5, 6.5.6, 6.5.7, 6.5.8, 6.5.9, 6.5.10, 6.5.11, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18, 6.5.19, 6.6.2, 6.7.1, 6.7.2, 6.7.5, 6.7.6, 6.7.7, 6.7.9, 6.7.11, 6.7.12, 6.7.13, 6.7.14, 6.7.17, 6.9.3, 7.2.3, 7.2.4, 7.2.7, 7.2.11, 7.3.7, 7.3.8, 7.3.9, 7.3.12, 7.3.13, 7.3.14, 7.3.16, 7.3.19, 7.3.20, 7.3.21, 7.3.25, 7.3.26, 7.3.39, 7.3.40, 7.3.42, 7.3.43, 7.3.44, 7.3.45, 7.3.47, 7.3.48, 7.3.50, 7.5.1, 7.5.2, 7.5.3, 7.5.4, 7.8.7, 7.8.8, 7.8.10, 7.8.15, 7.8.16, 7.8.17, 7.8.18, 7.8.19, 7.11.5, 7.11.6, 7.11.13, 7.11.14, 7.11.16, 7.11.18, 7.11.19, 7.11.20, 7.11.21, 7.11.31, 7.11.32, 7.11.33, 7.11.34, 7.11.35, 7.11.37, 7.11.41, 7.11.42, 7.11.43, 7.11.44, 7.11.45, 7.11.46, 7.11.47, 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12.12.5, 12.12.6, 12.12.7, 12.12.8, 12.12.9, 12.12.11, 12.12.12, 12.12.13, 12.12.14, 12.12.15, 12.12.23, 12.12.24, 12.12.25, 12.12.28, 13.3.1, 13.3.2, 13.3.3, 13.3.4, 13.3.5, 13.3.7, 13.9.2, 13.11.1, 13.11.2, 13.11.3, 13.11.4, 13.11.5, 13.11.6, 13.11.8, 13.11.9, 13.12.1, 13.12.2, 13.12.3, 13.12.4, 13.12.5, 13.12.6, 13.12.8, 13.12.9, 13.12.10.

Label	Regional Ecosystem (mandatory unless otherwise specified)
706	8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, 8.2.7, 8.2.8, 8.2.11, 8.2.12, 8.2.13, 8.2.14, 8.3.1, 8.3.2, 8.3.3, 8.3.5, 8.3.6, 8.3.8, 8.3.9, 8.3.10, 8.3.11, 8.3.13, 8.5.1, 8.5.2, 8.5.3, 8.5.5, 8.5.6, 8.8.1, 8.9.1, 8.10.1, 8.11.1, 8.11.2, 8.11.3, 8.11.4, 8.11.5, 8.11.6, 8.11.8, 8.12.1, 8.12.2, 8.12.3, 8.12.4, 8.12.5, 8.12.6, 8.12.7, 8.12.8, 8.12.9, 8.12.10, 8.12.11, 8.12.12, 8.12.14, 8.12.16, 8.12.17, 8.12.18, 8.12.19, 8.12.20, 8.12.22, 8.12.23, 8.12.25, 8.12.26, 8.12.27, 8.12.28, 8.12.29, 8.12.30, 8.12.31, 8.12.32, 11.2.1, 11.2.2, 11.2.3, 11.2.5, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.5, 11.3.6, 11.3.7, 11.3.8, 11.3.9, 11.3.10, 11.3.11, 11.3.12, 11.3.13, 11.3.14, 11.3.15, 11.3.16, 11.3.17, 11.3.18, 11.3.19, 11.3.20, 11.3.23, 11.3.25, 11.3.26, 11.3.27, 11.3.28, 11.3.29, 11.3.30, 11.3.32, 11.3.33, 11.3.34, 11.3.35, 11.3.36, 11.3.37, 11.3.38, 11.3.39, 11.3.40, 11.4.1, 11.4.2, 11.4.3, 11.4.5, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.10, 11.4.12, 11.4.13, 11.5.1, 11.5.2, 11.5.3, 11.5.4, 11.5.5, 11.5.7, 11.5.8, 11.5.9, 11.5.12, 11.5.13, 11.5.14, 11.5.15, 11.5.16, 11.5.17, 11.5.20, 11.5.21, 11.7.1, 11.7.2, 11.7.3, 11.7.4, 11.7.6, 11.7.7, 11.8.1, 11.8.2, 11.8.3, 11.8.4, 11.8.5, 11.8.6, 11.8.8, 11.8.9, 11.8.11, 11.8.12, 11.8.13, 11.8.14, 11.8.15, 11.9.1, 11.9.2, 11.9.3, 11.9.4, 11.9.5, 11.9.6, 11.9.7, 11.9.8, 11.9.9, 11.9.10, 11.9.13, 11.9.14, 11.10.1, 11.10.2, 11.10.4, 11.10.5, 11.10.6, 11.10.7, 11.10.8, 11.10.9, 11.10.11, 11.10.12, 11.10.13, 11.11.1, 11.11.2, 11.11.3, 11.11.4, 11.11.5, 11.11.6, 11.11.7, 11.11.8, 11.11.9, 11.11.10, 11.11.11, 11.11.12, 11.11.13, 11.11.14, 11.11.15, 11.11.16, 11.11.17, 11.11.18, 11.11.19, 11.11.20, 11.11.21, 12.11.24, 12.11.25, 12.11.26, 12.11.27, 12.11.28, 11.12.1, 11.12.2, 11.12.3, 11.12.4, 11.12.5, 11.12.6, 11.12.7, 11.12.8, 11.12.9, 11.12.10, 11.12.11, 11.12.12, 11.12.13, 11.12.14, 11.12.16, 11.12.17, 11.12.18, 11.12.19, 11.12.20, 11.12.21, 12.2.1, 12.2.2, 12.2.3, 12.2.4, 12.2.5, 12.2.6, 12.2.7, 12.2.8, 12.2.9, 12.2.10, 12.2.11, 12.2.12, 12.2.13, 12.3.1, 12.3.2, 12.3.3, 12.3.4, 12.3.5, 12.3.6, 12.3.7, 12.3.9, 12.3.10, 12.3.11, 12.3.12, 12.3.13, 12.3.14, 12.3.15, 12.3.16, 12.3.17, 12.3.18, 12.3.19, 12.3.20, 12.3.21, 12.5.1, 12.5.2, 12.5.3, 12.5.4, 12.5.5, 12.5.6, 12.5.7, 12.5.8, 12.5.10, 12.5.11, 12.5.12, 12.5.13, 12.7.1, 12.7.2, 12.8.1, 12.8.2, 12.8.3, 12.8.4, 12.8.5, 12.8.6, 12.8.7, 12.8.8, 12.8.9, 12.8.10, 12.8.11, 12.8.12, 12.8.13, 12.8.14, 12.8.16, 12.8.17, 12.8.18, 12.8.19, 12.8.20, 12.8.21, 12.8.22, 12.8.23, 12.8.24, 12.8.25, 12.8.26, 12.9.10.1, 12.9.10.2, 12.9.10.3, 12.9.10.4, 12.9.10.5, 12.9.10.6, 12.9.10.7, 12.9.10.8, 12.9.10.9, 12.9.10.12, 12.9.10.13, 12.9.10.14, 12.9.10.16, 12.9.10.17, 12.9.10.18, 12.9.10.19, 12.9.10.20, 12.9.10.21, 12.9.10.23, 12.9.10.24, 12.9.10.25, 12.9.10.26, 12.9.10.28, 12.9.10.29, 12.11.1, 12.11.2, 12.11.3, 12.11.4, 12.11.5, 12.11.6, 12.11.7, 12.11.8, 12.11.9, 12.11.10, 12.11.11, 12.11.12, 12.11.13, 12.11.14, 12.11.15, 12.11.16, 12.11.17, 12.11.18, 12.11.19, 12.11.20, 12.11.21, 12.11.22, 12.11.23, 12.12.1, 12.12.2, 12.12.3, 12.12.4, 12.12.5, 12.12.6, 12.12.7, 12.12.8, 12.12.9, 12.12.11, 12.12.12, 12.12.13, 12.12.14, 12.12.15, 12.12.16, 12.12.17, 12.12.18, 12.12.20, 12.12.21, 12.12.22, 12.12.23, 12.12.24, 12.12.25, 12.12.26, 12.12.27, 12.12.28, 13.3.1, 13.3.2, 13.3.3, 13.3.4, 13.3.5, 13.3.7, 13.9.2, 13.11.1, 13.11.2, 13.11.3, 13.11.4, 13.11.5, 13.11.6, 13.11.7, 13.11.8, 13.12.1, 13.12.2, 13.12.3, 13.12.4, 13.12.5, 13.12.6, 13.12.9, 13.12.10, 13.12.11
2014	12.2.1, 12.2.2, 12.2.3, 12.3.1, 12.3.2, 12.5.13, 12.8.3, 12.8.4, 12.8.5, 12.8.6, 12.8.7, 12.8.13, 12.8.18, 12.8.21, 12.8.22, 12.9.10.16, 12.11.1, 12.11.4, 12.11.10, 12.11.11, 12.11.12, 12.11.13, 12.12.1, 12.12.13, 12.12.16, 12.12.17, 12.12.18
28663	12.9.10.1, 12.9.10.17

# Appendix D **Vegetation Management Property Report**



## **Vegetation management report**

For Lot: 742 Plan: CG4224

14/02/2022

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2021 and includes the most recent Queensland Herbarium scientific updates to the Regulated Vegetation Management Map, regional ecosystems, wetland, high-value regrowth and essential habitat mapping.

The Department of Environment and Science have also updated their protected plant and koala protection mapping to align with the Queensland Herbarium scientific updates.

## Overview

Based on the lot on plan details you have supplied, this report provides the following detailed information:

**Property details** - information about the specified Lot on Plan, lot size, local government area, bioregion(s), subregion(s) and catchment(s);

**Vegetation management framework** - an explanation of the application of the framework and contact details for the Department of Resources who administer the framework;

**Vegetation management framework details for the specified Lot on Plan** including:

- the vegetation management categories on the property;
- the vegetation management regional ecosystems on the property;
- vegetation management watercourses or drainage features on the property;
- vegetation management wetlands on the property;
- vegetation management essential habitat on the property;
- whether any area management plans are associated with the property;
- whether the property is coastal or non-coastal; and
- whether the property is mapped as Agricultural Land Class A or B;

**Protected plant framework** - an explanation of the application of the framework and contact details for the Department of Environment and Science who administer the framework, including:

- high risk areas on the protected plant flora survey trigger map for the property;

**Koala protection framework** - an explanation of the application of the framework and contact details for the Department of Environment and Science who administer the framework; and

**Koala protection framework details for the specified Lot on Plan** including:

- the koala district the property is located in;
- koala priority areas on the property;
- core and locally refined koala habitat areas on the property;
- whether the lot is located in an identified koala broad-hectare area; and
- koala habitat regional ecosystems on the property for core koala habitat areas.

This information will assist you to determine your options for managing vegetation under:

- the vegetation management framework, which may include:

- exempt clearing work;
- accepted development vegetation clearing code;
- an area management plan;
- a development approval;

- the protected plant framework, which may include:

- the need to undertake a flora survey;
- exempt clearing;
- a protected plant clearing permit;

- the koala protection framework, which may include:

- exempted development;
- a development approval;
- the need to undertake clearing sequentially and in the presence of a koala spotter.

## Other laws

The clearing of native vegetation is regulated by both Queensland and Australian legislation, and some local governments also regulate native vegetation clearing. You may need to obtain an approval or permit under another Act, such as the Commonwealth Government's *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Section 8 of this guide provides contact details of other agencies you should confirm requirements with, before commencing vegetation clearing.

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# 1. Property details

## 1.1 Tenure and title area

All of the lot, plan, tenure and title area information associated with property Lot: 742 Plan: CG4224, are listed in Table 1.

**Table 1: Lot, plan, tenure and title area information for the property**

Lot	Plan	Tenure	Property title area (sq metres)
742	CG4224	Reserve	26,530
A	SP197581	Easement	1,327

The tenure of the land may affect whether clearing is considered exempt clearing work or may be carried out under an accepted development vegetation clearing code.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 742 Plan: CG4224, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Sunshine Coast Regional

Bioregion(s)	Subregion(s)
Southeast Queensland	Sunshine Coast - Gold Coast Lowlands

Catchment(s)
Maroochy

## 2. Vegetation management framework (administered by the Department of Resources)

The *Vegetation Management Act 1999* (VMA), the *Vegetation Management Regulation 2012*, the *Planning Act 2016* and the *Planning Regulation 2017*, in conjunction with associated policies and codes, form the Vegetation Management Framework.

The VMA does not apply to all land tenures or vegetation types. State forests, national parks, forest reserves and some tenures under the *Forestry Act 1959* and *Nature Conservation Act 1992* are not regulated by the VMA. Managing or clearing vegetation on these tenures may require approvals under these laws.

The following native vegetation is not regulated under the VMA but may require permit(s) under other laws:

- grass or non-woody herbage;
- a plant within a grassland regional ecosystem prescribed under Schedule 5 of the *Vegetation Management Regulation 2012*; and
- a mangrove.

### 2.1 Exempt clearing work

Exempt clearing work is an activity for which you do not need to notify the Department of Resources or obtain an approval under the vegetation management framework. Exempt clearing work was previously known as exemptions.

In areas that are mapped as Category X (white in colour) on the regulated vegetation management map (see section 4.1), and where the land tenure is freehold, indigenous land and leasehold land for agriculture and grazing purposes, the clearing of vegetation is considered exempt clearing work and does not require notification or development approval under the vegetation management framework. For all other land tenures, contact the Department of Resources before commencing clearing to ensure that the proposed activity is exempt clearing work.

A range of routine property management activities are considered exempt clearing work. A list of exempt clearing work is available at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/exemptions>.

Exempt clearing work may be affected if the proposed clearing area is subject to development approval conditions, a covenant, an environmental offset, an exchange area, a restoration notice, or an area mapped as Category A. Exempt clearing work may require approval under other Commonwealth, State or Local Government laws, or local government planning schemes. Contact the Department of Resources prior to clearing in any of these areas.

### 2.2 Accepted development vegetation clearing codes

Some clearing activities can be undertaken under an accepted development vegetation clearing code. The codes can be downloaded at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/codes>

If you intend to clear vegetation under an accepted development vegetation clearing code, you must notify the Department of Resources before commencing. The information in this report will assist you to complete the online notification form.

You can complete the online form at

<https://apps.dnrm.qld.gov.au/vegetation/>



## 2.3 Area management plans

Area Management Plans (AMP) provide an alternative approval system for vegetation clearing under the vegetation management framework. They list the purposes and clearing conditions that have been approved for the areas covered by the plan. It is not necessary to use an AMP, even when an AMP applies to your property.

On 8 March 2020, AMPs ended for fodder harvesting, managing thickened vegetation and managing encroachment. New notifications cannot be made for these AMPs. You will need to consider options for fodder harvesting, managing thickened vegetation or encroachment under a relevant accepted development vegetation clearing code or apply for a development approval.

New notifications can be made for all other AMPs. These will continue to apply until their nominated end date.

If an Area Management Plan applies to your property for which you can make a new notification, it will be listed in Section 3.6 of this report. Before clearing under one of these AMPs, you must first notify the Department of Resources and then follow the conditions and requirements listed in the AMP.

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/area-management-plans>

## 2.4 Development approvals

If under the vegetation management framework your proposed clearing is not exempt clearing work, or is not permitted under an accepted development vegetation clearing code, or an AMP, you may be able to apply for a development approval.

Information on how to apply for a development approval is available at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/development>

## 2.5. Contact information for the Department of Resources

For further information on the vegetation management framework:

**Phone** 135VEG (135 834)

**Email** [vegetation@resources.qld.gov.au](mailto:vegetation@resources.qld.gov.au)

**Visit** <https://www.resources.qld.gov.au/?contact=vegetation> to submit an online enquiry.

### 3. Vegetation management framework for Lot: 742 Plan: CG4224

#### 3.1 Vegetation categories

The vegetation categories on your property are shown on the regulated vegetation management map in section 4.1 of this report. A summary of vegetation categories on the subject lot are listed in Table 3. Descriptions for these categories are shown in Table 4.

**Table 3: Vegetation categories for subject property. Total area: 2.66ha**

Vegetation category	Area (ha)
Category B	1.2
Category X	1.5

**Table 4: Description of vegetation categories**

Category	Colour on Map	Description	Requirements / options under the vegetation management framework
A	red	Compliance areas, environmental offset areas and voluntary declaration areas	Special conditions apply to Category A areas. Before clearing, contact the Department of Resources to confirm any requirements in a Category A area.
B	dark blue	Remnant vegetation areas	Exempt clearing work, or notification and compliance with accepted development vegetation clearing codes, area management plans or development approval.
C	light blue	High-value regrowth areas	Exempt clearing work, or notification and compliance with managing Category C regrowth vegetation accepted development vegetation clearing code.
R	yellow	Regrowth within 50m of a watercourse or drainage feature in the Great Barrier Reef catchment areas	Exempt clearing work, or notification and compliance with managing Category R regrowth accepted development vegetation clearing code or area management plans.
X	white	Clearing on freehold land, indigenous land and leasehold land for agriculture and grazing purposes is considered exempt clearing work under the vegetation management framework. Contact the Department of Resources to clarify whether a development approval is required for other State land tenures.	No permit or notification required on freehold land, indigenous land and leasehold land for agriculture and grazing. A development approval may be required for some State land tenures.

#### Property Map of Assessable Vegetation (PMAV)

There is no Property Map of Assessable Vegetation (PMAV) present on this property.

## 3.2 Regional ecosystems

The endangered, of concern and least concern regional ecosystems on your property are shown on the vegetation management supporting map in section 4.2 and are listed in Table 5.

A description of regional ecosystems can be accessed online at <https://www.qld.gov.au/environment/plants-animals/plants/ecosystems/descriptions/>

**Table 5: Regional ecosystems present on subject property**

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
12.9-10.14	Least concern	B	1.16	Eucalyptus pilularis tall open forest on sedimentary rocks	Mid-dense
non-rem	None	X	1.50	None	None

Please note:

1. All area and area derived figures included in this table have been calculated via reprojecting relevant spatial features to Albers equal-area conic projection (central meridian = 146, datum Geocentric Datum of Australia 1994). As a result, area figures may differ slightly if calculated for the same features using a different co-ordinate system.
2. If Table 5 contains a Category 'plant', please be aware that this refers to 'plantations' such as forestry, and these areas are considered non-remnant under the VMA.

The VMA status of the regional ecosystem (whether it is endangered, of concern or least concern) also determines if any of the following are applicable:

- exempt clearing work;
- accepted development vegetation clearing codes;
- performance outcomes in State Code 16 of the State Development Assessment Provisions (SDAP).

## 3.3 Watercourses

Vegetation management watercourses and drainage features for this property are shown on the vegetation management supporting map in section 4.2.

## 3.4 Wetlands

There are no vegetation management wetlands present on this property.

## 3.5 Essential habitat

Under the VMA, essential habitat for protected wildlife is native wildlife prescribed under the *Nature Conservation Act 1992* (NCA) as critically endangered, endangered, vulnerable or near-threatened wildlife.

Essential habitat for protected wildlife includes suitable habitat on the lot, or where a species has been known to occur up to 1.1 kilometres from a lot on which there is assessable vegetation. These important habitat areas are protected under the VMA.

Any essential habitat on this property will be shown as blue hatching on the vegetation supporting map in section 4.2.

If essential habitat is identified on the lot, information about the protected wildlife species is provided in Table 6 below. The numeric labels on the vegetation management supporting map can be cross referenced with Table 6 to outline the essential habitat factors for that particular species. There may be essential habitat for more than one species on each lot, and areas of Category A, Category B and Category C can be mapped as Essential Habitat.

Essential habitat is compiled from a combination of species habitat models and buffered species records. Regional ecosystem is a mandatory essential habitat factor, unless otherwise stated. Essential habitat, for protected wildlife, means an area of vegetation shown on the Regulated Vegetation Management Map -

- 1) that has at least 3 essential habitat factors for the protected wildlife that must include any essential habitat factors that are stated as mandatory for the protected wildlife in the essential habitat database. Essential habitat factors are

comprised of - regional ecosystem (mandatory for most species), vegetation community, altitude, soils, position in landscape; or

2) in which the protected wildlife, at any stage of its life cycle, is located.

If there is no essential habitat mapping shown on the vegetation management supporting map for this lot, and there is no table in the sections below, it confirms that there is no essential habitat on the lot.

### Category A and/or Category B and/or Category C

**Table 6: Essential habitat in Category A and/or Category B and/or Category C**

Label	Scientific Name	Common Name	NCA Status	Vegetation Community	Altitude	Soils	Position in Landscape
860	<i>Phascolarctos cinereus</i>	koala	V	Open forests and woodlands containing <i>Eucalyptus</i> , <i>Corymbia</i> , <i>Lophostemon</i> or <i>Melaleuca</i> trees having a trunk of a diameter of more than 10cm at 1.3m above the ground. Tree species used for food and habitat varies across the state and can include: <i>Corymbia citriodora</i> , <i>Corymbia henryi</i> , <i>Corymbia intermedia</i> , <i>Eucalyptus acmenoides</i> , <i>Eucalyptus bancroftii</i> , <i>Eucalyptus biturbinata</i> , <i>Eucalyptus blakelyi</i> , <i>Eucalyptus brownii</i> , <i>Eucalyptus camaldulensis</i> , <i>Eucalyptus carnea</i> , <i>Eucalyptus chloroclada</i> , <i>Eucalyptus coolabah</i> , <i>Eucalyptus crebra</i> , <i>Eucalyptus dealbata</i> , <i>Eucalyptus drepanophylla</i> , <i>Eucalyptus dunnii</i> , <i>Eucalyptus eugenioides</i> , <i>Eucalyptus exserta</i> , <i>Eucalyptus fibrosa</i> , <i>Eucalyptus grandis</i> , <i>Eucalyptus helidonica</i> , <i>Eucalyptus latisinensis</i> , <i>Eucalyptus longirostrata</i> , <i>Eucalyptus major</i> , <i>Eucalyptus melanophloia</i> , <i>Eucalyptus melliodora</i> , <i>Eucalyptus microcarpa</i> , <i>Eucalyptus microcorys</i> , <i>Eucalyptus microtheca</i> , <i>Eucalyptus moluccana</i> , <i>Eucalyptus montivaga</i> , <i>Eucalyptus orgadophila</i> , <i>Eucalyptus papuana</i> , <i>Eucalyptus pilularis</i> , <i>Eucalyptus platyphylla</i> , <i>Eucalyptus populnea</i> , <i>Eucalyptus portuensis</i> , <i>Eucalyptus propinqua</i> , <i>Eucalyptus racemosa</i> , <i>Eucalyptus resinifera</i> , <i>Eucalyptus robusta</i> , <i>Eucalyptus saligna</i> , <i>Eucalyptus seeana</i> , <i>Eucalyptus siderophloia</i> , <i>Eucalyptus sideroxydon</i> , <i>Eucalyptus tereticornis</i> , <i>Eucalyptus thozetiana</i> , <i>Eucalyptus tindaliae</i> , <i>Eucalyptus umbra</i> , <i>Lophostemon confertus</i> , <i>Melaleuca leucadendra</i> , <i>Melaleuca quinquenervia</i> .	Sea level to 1000m.	None	Riparian areas, plains and hill/escarpment slopes.
706	<i>Adelotus brevis</i>	tusked frog	V	In cavities, under debris (logs, stones) in subtropical vine forest, tall open moist forest, heaths, <i>Melaleuca</i> swamp and pasturelands near puddles and streams.	Sea level to 1000m.	None	None
2014	Ornithoptera richmondia	Richmond birdwing	V	Lowland (including littoral & gallery) and upland subtropical rainforest with <i>Paristolochia praevenosa</i> and <i>P. laheyana</i> respectively; <i>P. praevenosa</i> occurs below 600m asl on basaltic slopes, creek banks, or on volcanic alluvial soils near watercourses, while <i>P. laheyana</i> occurs on basaltic ridges and slopes at >800m asl.	Sea level to >800m.	Basalt and volcanic alluvial substrates.	None
28663	<i>Zieria exsul</i>	banished stink bush	CE	woodland of <i>Corymbia trachyphloia</i> , <i>Eucalyptus siderophloia</i> , <i>E. racemosa</i> , <i>Allocasuarina littoralis</i> . woodland of <i>Eucalyptus robusta</i> , <i>Syncarpia glomulifera</i> , <i>Livistona australis</i> , <i>Elaeocarpus reticulatus</i> , <i>Zieria minutiflora</i> and <i>Banksia spinulosa</i> subsp. <i>spinulosa</i>	0 to to 150	sand or sand over clay	coastal plain

Label	Regional Ecosystem (mandatory unless otherwise specified)
860	<p>4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.8, 4.3.10, 4.3.11, 4.5.3, 4.5.5, 4.5.6, 4.5.8, 4.5.9, 4.7.1, 4.7.7, 4.7.8, 4.9.6, 4.9.10, 4.9.12, 4.9.17, 6.3.1, 6.3.2, 6.3.3, 6.3.4, 6.3.5, 6.3.7, 6.3.8, 6.3.9, 6.3.11, 6.3.12, 6.3.17, 6.3.18, 6.3.22, 6.3.24, 6.3.25, 6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.5.1, 6.5.2, 6.5.3, 6.5.5, 6.5.6, 6.5.7, 6.5.8, 6.5.9, 6.5.10, 6.5.11, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18, 6.5.19, 6.6.2, 6.7.1, 6.7.2, 6.7.5, 6.7.6, 6.7.7, 6.7.9, 6.7.11, 6.7.12, 6.7.13, 6.7.14, 6.7.17, 6.9.3, 7.2.3, 7.2.4, 7.2.7, 7.2.11, 7.3.7, 7.3.8, 7.3.9, 7.3.12, 7.3.13, 7.3.14, 7.3.16, 7.3.19, 7.3.20, 7.3.21, 7.3.25, 7.3.26, 7.3.39, 7.3.40, 7.3.42, 7.3.43, 7.3.44, 7.3.45, 7.3.47, 7.3.48, 7.3.50, 7.5.1, 7.5.2, 7.5.3, 7.5.4, 7.8.7, 7.8.8, 7.8.10, 7.8.15, 7.8.16, 7.8.17, 7.8.18, 7.8.19, 7.11.5, 7.11.6, 7.11.13, 7.11.14, 7.11.16, 7.11.18, 7.11.19, 7.11.20, 7.11.21, 7.11.31, 7.11.32, 7.11.33, 7.11.34, 7.11.35, 7.11.37, 7.11.41, 7.11.42, 7.11.43, 7.11.44, 7.11.45, 7.11.46, 7.11.47, 7.11.48, 7.11.49, 7.11.50, 7.11.51, 7.12.4, 7.12.5, 7.12.17, 7.12.21, 7.12.22, 7.12.23, 7.12.24, 7.12.25, 7.12.26, 7.12.27, 7.12.28, 7.12.29, 7.12.30, 7.12.33, 7.12.34, 7.12.35, 7.12.51, 7.12.52, 7.12.53, 7.12.54, 7.12.55, 7.12.56, 7.12.57, 7.12.58, 7.12.59, 7.12.60, 7.12.61, 7.12.62, 7.12.63, 7.12.65, 7.12.66, 7.12.69, 8.1.5, 8.2.3, 8.2.6, 8.2.7, 8.2.8, 8.2.11, 8.2.12, 8.2.13, 8.2.14, 8.3.1, 8.3.2, 8.3.3, 8.3.5, 8.3.6, 8.3.8, 8.3.10, 8.3.11, 8.3.13, 8.5.1, 8.5.2, 8.5.3, 8.5.5, 8.5.6, 8.5.7, 8.9.1, 8.10.1, 8.11.1, 8.11.3, 8.11.4, 8.11.5, 8.11.6, 8.11.8, 8.11.10, 8.11.12, 8.12.4, 8.12.5, 8.12.6, 8.12.7, 8.12.8, 8.12.9, 8.12.12, 8.12.14, 8.12.20, 8.12.22, 8.12.23, 8.12.25, 8.12.26, 8.12.27, 8.12.29, 8.12.31, 8.12.32, 9.3.1, 9.3.2, 9.3.3, 9.3.4, 9.3.5, 9.3.6, 9.3.7, 9.3.8, 9.3.10, 9.3.11, 9.3.13, 9.3.14, 9.3.15, 9.3.16, 9.3.17, 9.3.19, 9.3.20, 9.3.21, 9.3.22, 9.3.27, 9.4.1, 9.4.2, 9.5.1, 9.5.3, 9.5.4, 9.5.5, 9.5.6, 9.5.7, 9.5.8, 9.5.9, 9.5.10, 9.5.11, 9.5.12, 9.5.15, 9.5.16, 9.5.17, 9.7.1, 9.7.2, 9.7.3, 9.7.4, 9.7.5, 9.7.6, 9.8.1, 9.8.2, 9.8.3, 9.8.4, 9.8.5, 9.8.9, 9.8.10, 9.8.11, 9.8.13, 9.10.1, 9.10.3, 9.10.4, 9.10.5, 9.10.7, 9.10.8, 9.11.1, 9.11.2, 9.11.3, 9.11.4, 9.11.5, 9.11.7, 9.11.10, 9.11.12, 9.11.13, 9.11.14, 9.11.15, 9.11.16, 9.11.17, 9.11.18, 9.11.19, 9.11.21, 9.11.22, 9.11.23, 9.11.24, 9.11.25, 9.11.26, 9.11.28, 9.11.29, 9.11.30, 9.11.31, 9.11.32, 9.12.1, 9.12.2, 9.12.3, 9.12.4, 9.12.5, 9.12.6, 9.12.7, 9.12.10, 9.12.11, 9.12.12, 9.12.13, 9.12.14, 9.12.15, 9.12.16, 9.12.17, 9.12.18, 9.12.19, 9.12.20, 9.12.21, 9.12.22, 9.12.23, 9.12.24, 9.12.25, 9.12.26, 9.12.27, 9.12.28, 9.12.29, 9.12.30, 9.12.31, 9.12.32, 9.12.33, 9.12.35, 9.12.36, 9.12.37, 9.12.38, 9.12.39, 9.12.44, 10.3.2, 10.3.3, 10.3.5, 10.3.6, 10.3.9, 10.3.10, 10.3.11, 10.3.12, 10.3.13, 10.3.14, 10.3.15, 10.3.17, 10.3.20, 10.3.27, 10.3.28, 10.4.3, 10.4.9, 10.5.1, 10.5.2, 10.5.4, 10.5.5, 10.5.7, 10.5.8, 10.5.9, 10.5.10, 10.5.11, 10.5.12, 10.7.1, 10.7.2, 10.7.3, 10.7.4, 10.7.5, 10.7.9, 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706	<p>8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, 8.2.7, 8.2.8, 8.2.11, 8.2.12, 8.2.13, 8.2.14, 8.3.1, 8.3.2, 8.3.3, 8.3.5, 8.3.6, 8.3.8, 8.3.9, 8.3.10, 8.3.11, 8.3.13, 8.5.1, 8.5.2, 8.5.3, 8.5.5, 8.5.6, 8.8.1, 8.9.1, 8.10.1, 8.11.1, 8.11.2, 8.11.3, 8.11.4, 8.11.5, 8.11.6, 8.11.8, 8.12.1, 8.12.2, 8.12.3, 8.12.4, 8.12.5, 8.12.6, 8.12.7, 8.12.8, 8.12.9, 8.12.10, 8.12.11, 8.12.12, 8.12.14, 8.12.16, 8.12.17, 8.12.18, 8.12.19, 8.12.20, 8.12.22, 8.12.23, 8.12.25, 8.12.26, 8.12.27, 8.12.28, 8.12.29, 8.12.30, 8.12.31, 8.12.32, 11.2.1, 11.2.2, 11.2.3, 11.2.5, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.5, 11.3.6, 11.3.7, 11.3.8, 11.3.9, 11.3.10, 11.3.11, 11.3.12, 11.3.13, 11.3.14, 11.3.15, 11.3.16, 11.3.17, 11.3.18, 11.3.19, 11.3.20, 11.3.23, 11.3.25, 11.3.26, 11.3.27, 11.3.28, 11.3.29, 11.3.30, 11.3.32, 11.3.33, 11.3.34, 11.3.35, 11.3.36, 11.3.37, 11.3.38, 11.3.39, 11.4.2, 11.4.3, 11.3.34, 11.3.35, 11.3.36, 11.3.37, 11.3.38, 11.3.39, 11.3.40, 11.4.1, 11.4.2, 11.4.3, 11.4.5, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.10, 11.4.12, 11.4.13, 11.5.1, 11.5.2, 11.5.3, 11.5.4, 11.5.5, 11.5.7, 11.5.8, 11.5.9, 11.5.12, 11.5.13, 11.5.14, 11.5.15, 11.5.16, 11.5.17, 11.5.20, 11.5.21, 11.7.1, 11.7.2, 11.7.3, 11.7.4, 11.7.6, 11.7.7, 11.8.1, 11.8.2, 11.8.3, 11.8.4, 11.8.5, 11.8.6, 11.8.8, 11.8.9, 11.8.11, 11.8.12, 11.8.13, 11.8.14, 11.8.15, 11.9.1, 11.9.2, 11.9.3, 11.9.4, 11.9.5, 11.9.6, 11.9.7, 11.9.8, 11.9.9, 11.9.10, 11.9.13, 11.9.14, 11.10.1, 11.10.2, 11.10.4, 11.10.5, 11.10.6, 11.10.7, 11.10.8, 11.10.9, 11.10.11, 11.10.12, 11.10.13, 11.11.1, 11.11.2, 11.11.3, 11.11.4, 11.11.5, 11.11.6, 11.11.7, 11.11.8, 11.11.9, 11.11.10, 11.11.11, 11.11.12, 11.11.13, 11.11.14, 11.11.15, 11.11.16, 11.11.17, 11.11.18, 11.11.19, 11.11.20, 11.11.21, 12.11.24, 12.11.25, 12.11.26, 12.11.27, 12.11.28, 11.12.1, 11.12.2, 11.12.3, 11.12.4, 11.12.5, 11.12.6, 11.12.7, 11.12.8, 11.12.9, 11.12.10, 11.12.11, 11.12.12, 11.12.13, 11.12.14, 11.12.16, 11.12.17, 11.12.18, 11.12.19, 11.12.20, 11.12.21, 12.2.1, 12.2.2, 12.2.3, 12.2.4, 12.2.5, 12.2.6, 12.2.7, 12.2.8, 12.2.9, 12.2.10, 12.2.11, 12.2.12, 12.2.13, 12.3.1, 12.3.2, 12.3.3, 12.3.4, 12.3.5, 12.3.6, 12.3.7, 12.3.9, 12.3.10, 12.3.11, 12.3.12, 12.3.13, 12.3.14, 12.3.15, 12.3.16, 12.3.17, 12.3.18, 12.3.19, 12.3.20, 12.3.21, 12.5.1, 12.5.2, 12.5.3, 12.5.4, 12.5.5, 12.5.6, 12.5.7, 12.5.8, 12.5.10, 12.5.11, 12.5.12, 12.5.13, 12.7.1, 12.7.2, 12.8.1, 12.8.2, 12.8.3, 12.8.4, 12.8.5, 12.8.6, 12.8.7, 12.8.8, 12.8.9, 12.8.10, 12.8.11, 12.8.12, 12.8.13, 12.8.14, 12.8.16, 12.8.17, 12.8.18, 12.8.19, 12.8.20, 12.8.21, 12.8.22, 12.8.23, 12.8.24, 12.8.25, 12.8.26, 12.9-10.1, 12.9-10.2, 12.9-10.3, 12.9-10.4, 12.9-10.5, 12.9-10.6, 12.9-10.7, 12.9-10.8, 12.9-10.9, 12.9-10.12, 12.9-10.13, 12.9-10.14, 12.9-10.16, 12.9-10.17, 12.9-10.18, 12.9-10.19, 12.9-10.20, 12.9-10.21, 12.9-10.23, 12.9-10.24, 12.9-10.25, 12.9-10.26, 12.9-10.28, 12.9-10.29, 12.11.1, 12.11.2, 12.11.3, 12.11.4, 12.11.5, 12.11.6, 12.11.7, 12.11.8, 12.11.9, 12.11.10, 12.11.11, 12.11.12, 12.11.13, 12.11.14, 12.11.15, 12.11.16, 12.11.17, 12.11.18, 12.11.19, 12.11.20, 12.11.21, 12.11.22, 12.11.23, 12.12.1, 12.12.2, 12.12.3, 12.12.4, 12.12.5, 12.12.6, 12.12.7, 12.12.8, 12.12.9, 12.12.11, 12.12.12, 12.12.13, 12.12.14, 12.12.15, 12.12.16, 12.12.17, 12.12.18, 12.12.20, 12.12.21, 12.12.22, 12.12.23, 12.12.24, 12.12.25, 12.12.26, 12.12.27, 12.12.28, 13.3.1, 13.3.2, 13.3.3, 13.3.4, 13.3.5, 13.3.7, 13.9.2, 13.11.1, 13.11.2, 13.11.3, 13.11.4, 13.11.5, 13.11.6, 13.11.7, 13.11.8, 13.12.1, 13.12.2, 13.12.3, 13.12.4, 13.12.5, 13.12.6, 13.12.8, 13.12.9, 13.12.10, 13.12.11.</p>
2014	<p>12.2.1, 12.2.2, 12.2.3, 12.3.1, 12.3.2, 12.5.13, 12.8.3, 12.8.4, 12.8.5, 12.8.6, 12.8.7, 12.8.13, 12.8.18, 12.8.21, 12.8.22, 12.9-10.16, 12.11.1, 12.11.4, 12.11.10, 12.11.11, 12.11.12, 12.11.13, 12.12.1, 12.12.13, 12.12.16, 12.12.17, 12.12.18</p>
28663	<p>12.9-10.1, 12.9-10.17</p>



### 3.6 Area Management Plan(s)

Nil

### 3.7 Coastal or non-coastal

For the purposes of the accepted development vegetation clearing codes and State Code 16 of the State Development Assessment Provisions (SDAP), this property is regarded as\*

Coastal

\*See also Map 4.3

### 3.8 Agricultural Land Class A or B

The following can be used to identify Agricultural Land Class A or B areas under the "Managing regulated regrowth vegetation" accepted development vegetation clearing code:

**Does this lot contain land that is mapped as Agricultural Land Class A or B in the State Planning Interactive Mapping System?**

No Class A

No Class B

Note - This confirms Agricultural Land Classes as per the State Planning Interactive Mapping System only. This response does not include Agricultural Land Classes identified under local government planning schemes. For further information, check the Planning Scheme for your local government area.

See Map 4.4 to identify the location and extent of Class A and/or Class B Agricultural land on Lot: 742 Plan: CG4224.

## 4. Vegetation management framework maps

Vegetation management maps included in this report may also be requested individually at:

<https://www.resources.qld.gov.au/qld/environment/land/vegetation/vegetation-map-request-form>

### **Regulated vegetation management map**

The regulated vegetation management map shows vegetation categories needed to determine clearing requirements. These maps are updated monthly to show new [property maps of assessable vegetation \(PMAV\)](#).

### **Vegetation management supporting map**

The vegetation management supporting map provides information on regional ecosystems, wetlands, watercourses and essential habitat.

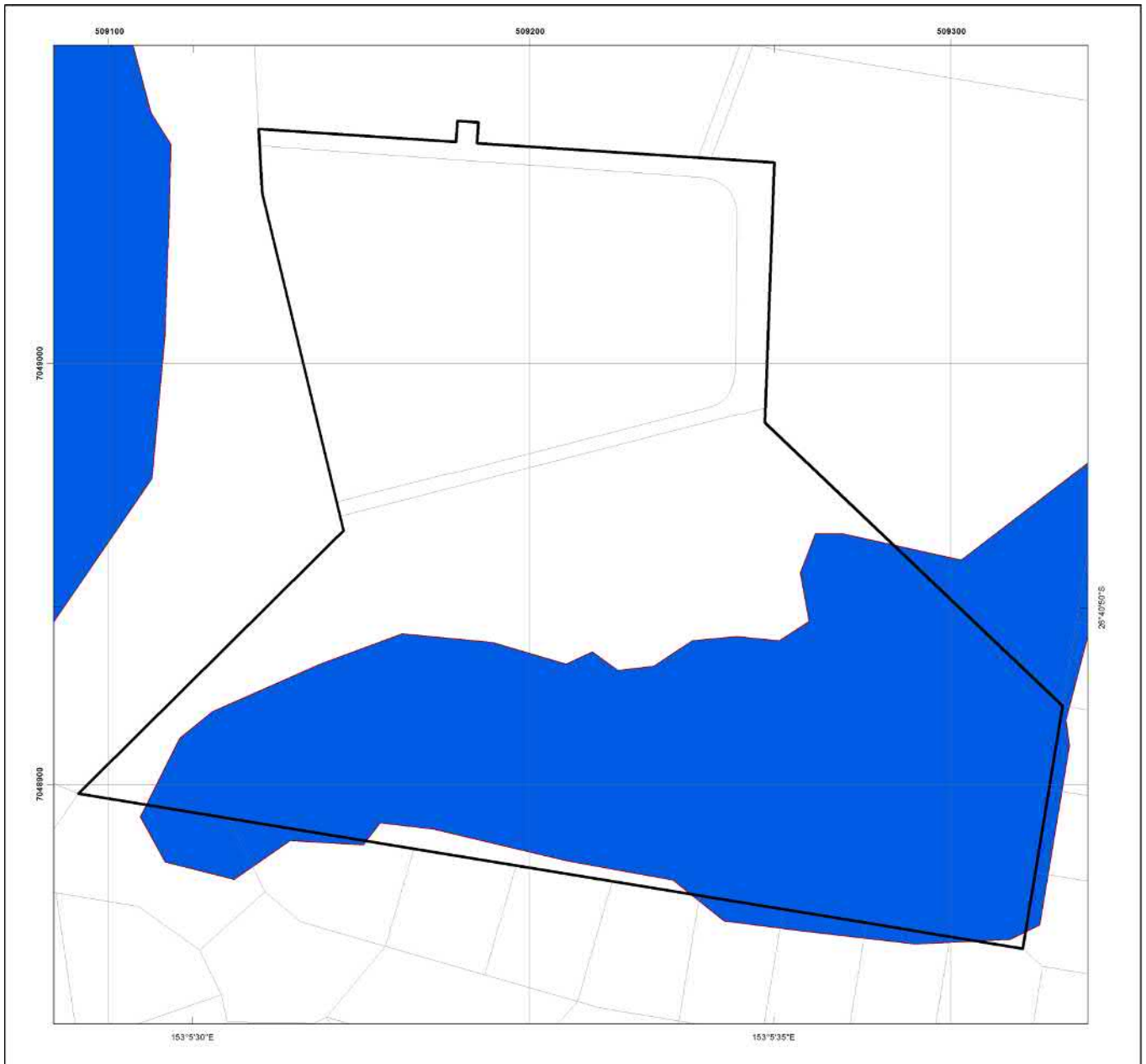
### **Coastal/non-coastal map**

The coastal/non-coastal map confirms whether the lot, or which parts of the lot, are considered coastal or non-coastal for the purposes of the accepted development vegetation clearing codes and State Code 16 of the State Development Assessment Provisions (SDAP).

### **Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture**








The Agricultural Land Class map confirms the location and extent of land mapped as Agricultural Land Classes A or B as identified on the State Planning Interactive Mapping System. Please note that this map does not include areas identified as Agricultural Land Class A or B in local government planning schemes. This map can be used to identify Agricultural Land Class A or B areas under the "Managing regulated regrowth vegetation" accepted development vegetation clearing code.

# 4.1 Regulated vegetation management map



## Regulated Vegetation Management Map

### Legend

-  Selected Lot and Plan
-  Category A area (Vegetation offsets/compliance notices/VDecs)
-  Category B area (Remnant vegetation)
-  Category C area (High-value regrowth vegetation)
-  Category R area (Reef regrowth watercourse vegetation)
-  Category X area (Exempt clearing work on Freehold, Indigenous and Leasehold land)
-  Water
-  Area not categorised
-  Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 56

### Disclaimer:

While every care is taken to ensure the accuracy of this product, the Department of Resources makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

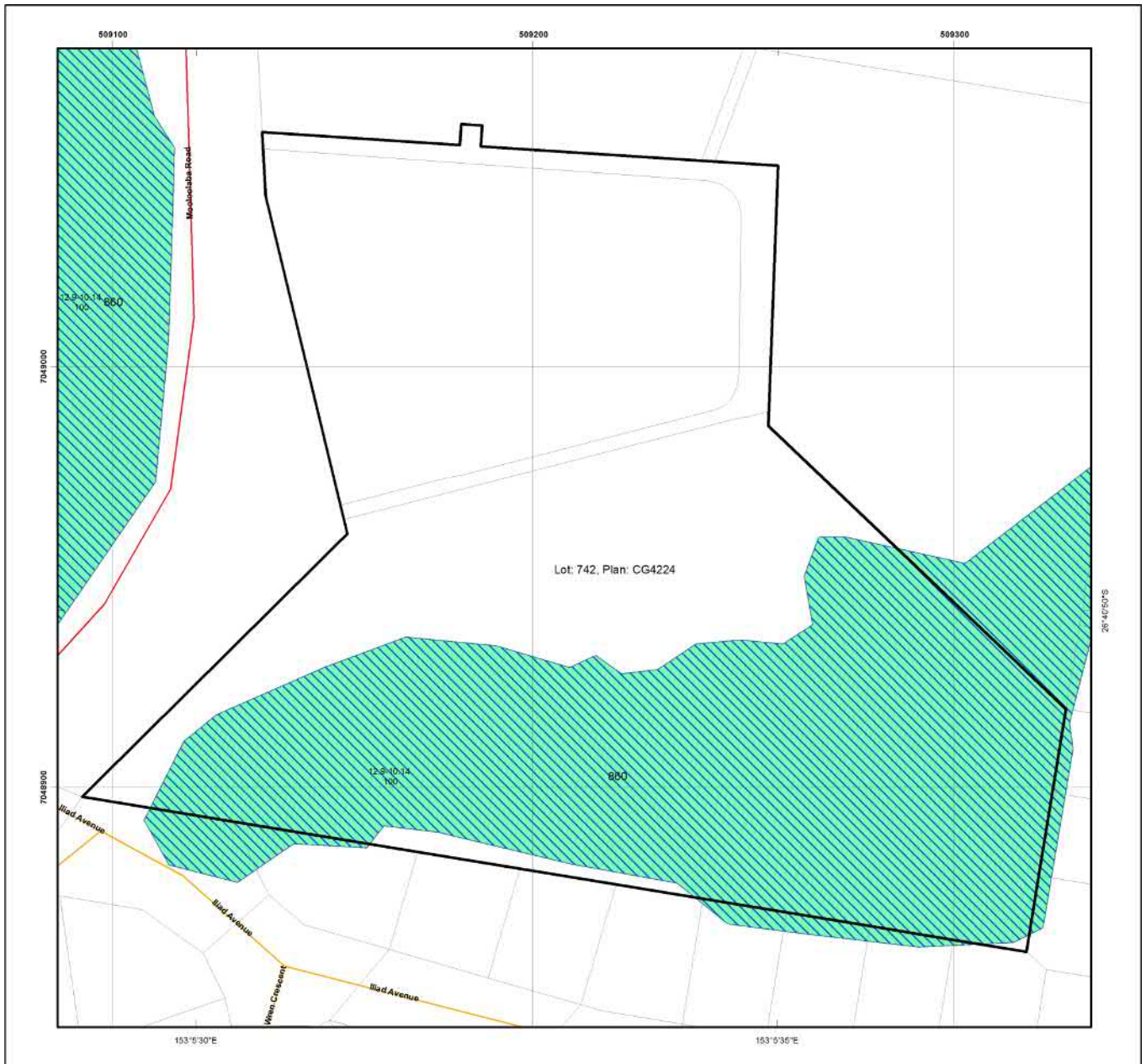
Additional information required for the assessment of vegetation values is provided in the accompanying "Vegetation Management Supporting map". For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

Land parcel boundaries are provided as locational aid only.

This map is updated on a monthly basis to ensure new PMAVs are included as they are approved.

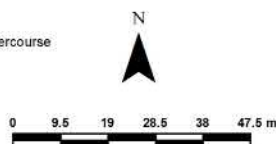
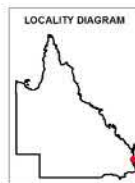
## 4.2 Vegetation management supporting map



### Vegetation Management Supporting Map

#### Legend

- Selected Lot and Plan
- Category A or B area containing endangered regional ecosystems
- Category A or B area containing of concern regional ecosystems
- Category A or B area that is a least concern regional ecosystem
- Category C or R area containing endangered regional ecosystems
- Category C or R area containing of concern regional ecosystems
- Category C or R area that is a least concern regional ecosystem
- Category X area
- Water
- Wetland on the vegetation management wetlands map
- Essential habitat on the essential habitat map
- Essential habitat species record
- Watercourses and drainage features on the vegetation management watercourse and drainage features map (Stream order shown as black number against stream where available)
- Highway
- Connector
- Street/Local Road
- National Parks, State Forest and other reserves
- Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 56

Labels for Essential Habitat are centred on the area of enquiry.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/- 100 metres.

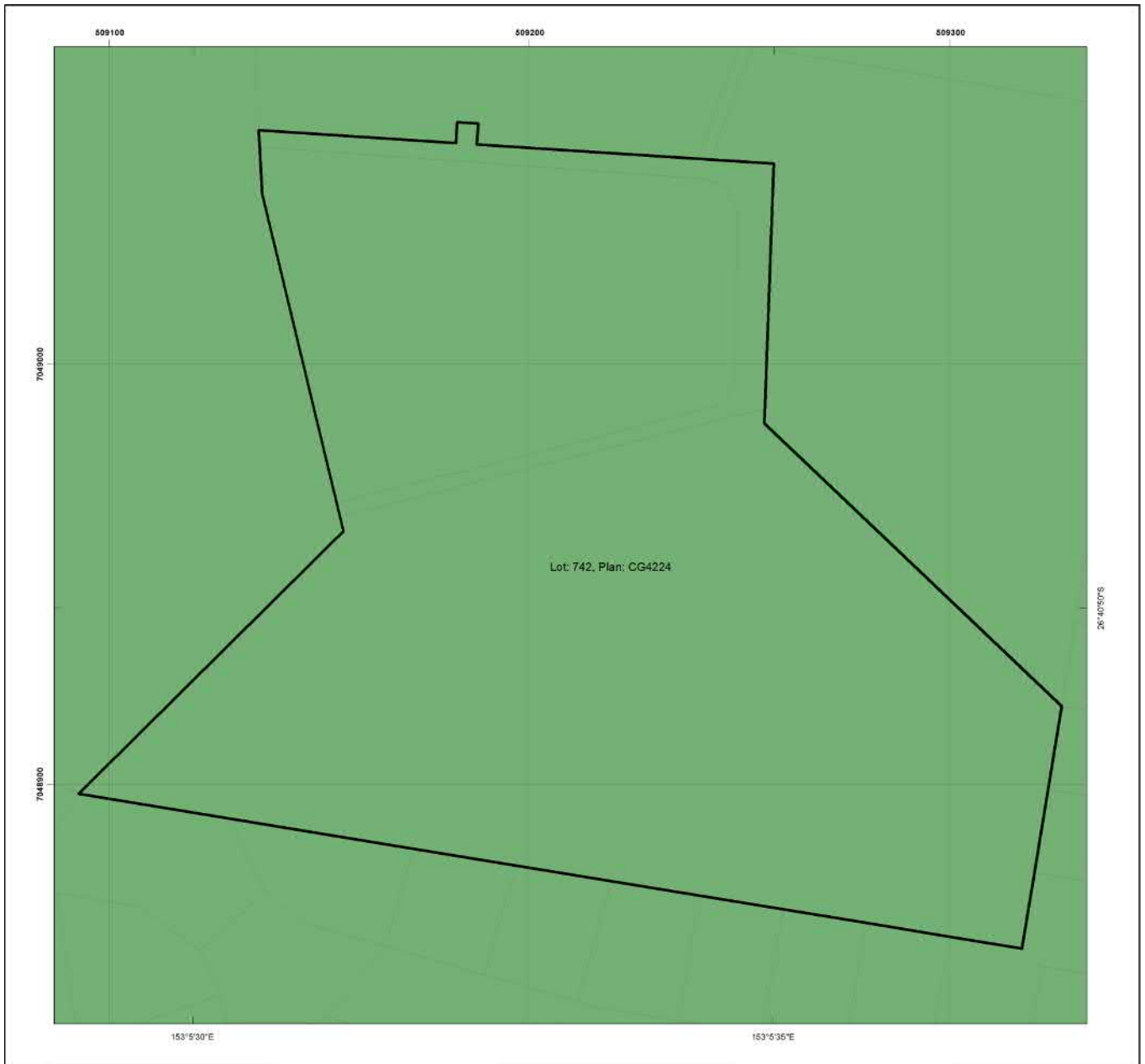
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Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

Digital data for the vegetation management watercourse and drainage feature map, vegetation management wetlands map, essential habitat map and the vegetation management remnant and regional ecosystem map are available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>





Land parcel boundaries are provided as locational aid only.

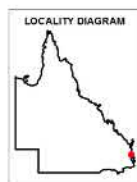
## 4.3 Coastal/non-coastal map



### Coastal/Non Coastal Map

#### Legend

-  Selected Lot and Plan
-  Coastal
-  Non Coastal
-  Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 56

#### Disclaimer:

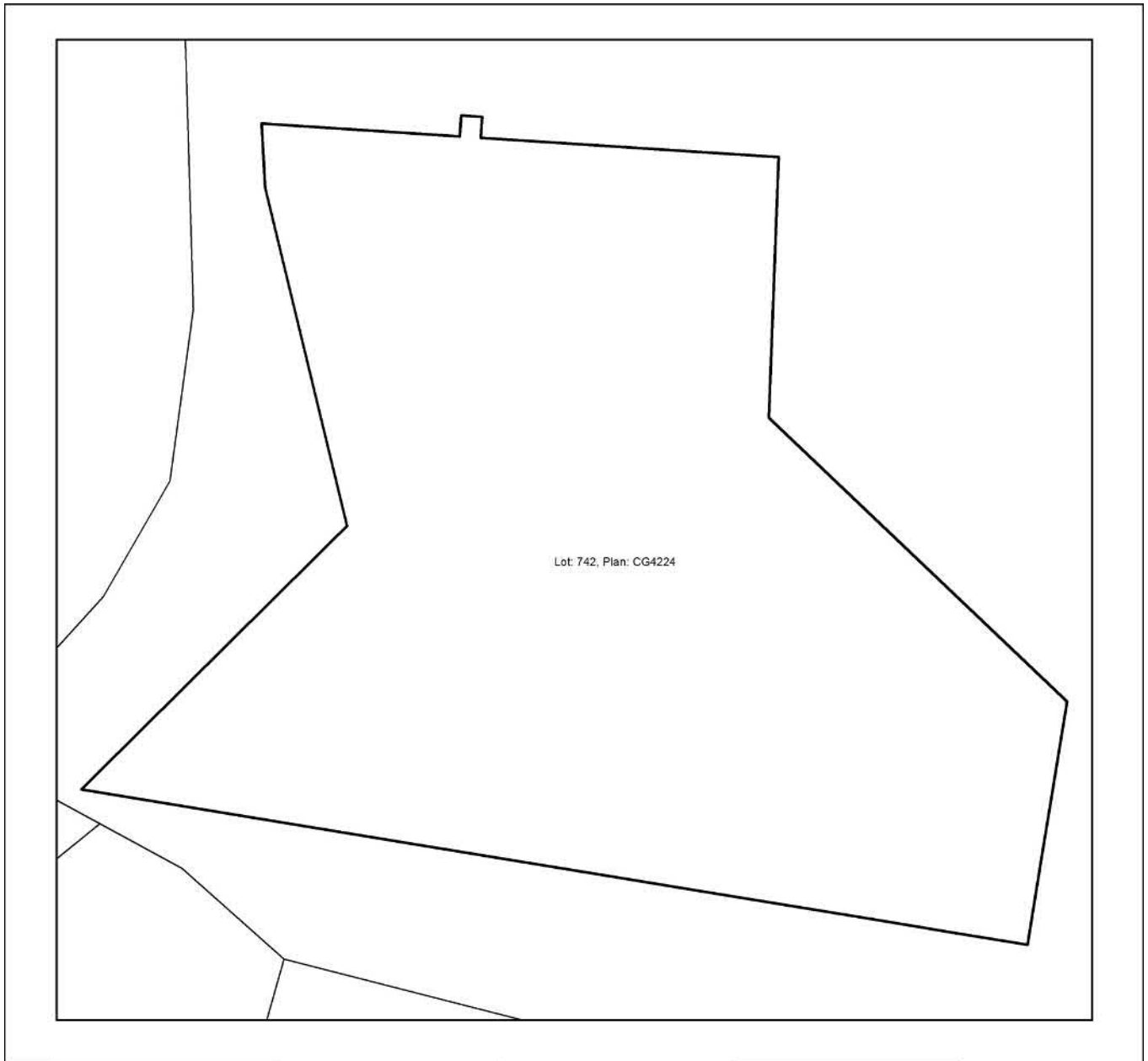
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Land parcel boundaries shown are provided as a locational aid only.













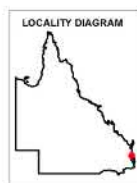
# 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



## Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture

### Legend

-  Selected Lot and Plan
-  Towns
-  Rivers and creeks
-  Freeways / motorways; Highways
-  Secondary roads; Streets
- Agricultural land class A or B
-  A
-  B
-  Not class A or B



This product is projected into GDA 1994 MGA Zone 56

#### Disclaimer

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## 5. Protected plants framework (administered by the Department of Environment and Science (DES))

In Queensland, all plants that are native to Australia are protected plants under the [Nature Conservation Act 1992](#) (NCA). The NCA regulates the clearing of protected plants 'in the wild' (see [Operational policy: When a protected plant in Queensland is considered to be 'in the wild'](#)) that are listed as critically endangered, endangered, vulnerable or near threatened under the Act.

Please note that the protected plant clearing framework applies irrespective of the classification of the vegetation under the *Vegetation Management Act 1999* and any approval or exemptions given under another Act, for example, the *Vegetation Management Act 1999* or *Planning Regulation 2017*.

### 5.1 Clearing in high risk areas on the flora survey trigger map

The flora survey trigger map identifies high-risk areas for endangered, vulnerable or near threatened (EVNT) plants. These are areas where EVNT plants are known to exist or are likely to exist based on the habitat present. The flora survey trigger map for this property is provided in section 5.5.

If you are proposing to clear an area shown as high risk on the flora survey trigger map, a flora survey of the clearing impact area must be undertaken by a suitably qualified person in accordance with the [Flora survey guidelines](#). The main objective of a flora survey is to locate any EVNT plants that may be present in the clearing impact area.

If the flora survey identifies that EVNT plants are not present within the clearing impact area or clearing within 100m of EVNT plants can be avoided, the clearing activity is exempt from a permit. An [exempt clearing notification form](#) must be submitted to the Department of Environment and Science, with a copy of the flora survey report, at least one week prior to clearing.

If the flora survey identifies that EVNT plants are present in, or within 100m of, the area to be cleared, a clearing permit is required before any clearing is undertaken. The flora survey report, as well as an impact management report, must be submitted with the [clearing permit application form](#).

### 5.2 Clearing outside high risk areas on the flora survey trigger map

In an area other than a high risk area, a clearing permit is only required where a person is, or becomes aware that EVNT plants are present in, or within 100m of, the area to be cleared. You must keep a copy of the flora survey trigger map for the area subject to clearing for five years from the day the clearing starts. If you do not clear within the 12 month period that the flora survey trigger map was printed, you need to print and check a new flora survey trigger map.

### 5.3 Exemptions

Many activities are 'exempt' under the protected plant clearing framework, which means that clearing of native plants that are in the wild can be undertaken for these activities with no need for a flora survey or a protected plant clearing permit. The Information sheet - General exemptions for the take of protected plants provides some of these exemptions.

Some exemptions under the NCA are the same as exempt clearing work (formerly known as exemptions) under the *Vegetation Management Act 1999* (i.e. listed in Schedule 21 of the Planning Regulations 2017) while some are different.

### 5.4 Contact information for DES

For further information on the protected plants framework:

**Phone** 1300 130 372 (and select option four)

**Email** [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

**Visit** <https://www.qld.gov.au/environment/plants-animals/plants/protected-plants>

## 5.5 Protected plants flora survey trigger map

This map included may also be requested individually at: <https://apps.des.qld.gov.au/map-request/flora-survey-trigger/>.

### Updates to the data informing the flora survey trigger map

The flora survey trigger map will be reviewed, and updated if necessary, at least every 12 months to ensure the map reflects the most up-to-date and accurate data available.






### Species information

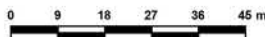
Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. Regardless of whether species information is available for a particular high risk area, clearing plants in a high risk area may require a flora survey and/or clearing permit. Please see the Department of Environment and Science webpage on the [clearing of protected plants](#) for more information.



## Protected Plants Flora Survey Trigger Map

### Legend

-  Selected Lot and Plan
-  High risk area
-  Other land parcel boundaries.
-  Freeways / motorways / highways
-  Secondary roads / streets



This product is projected into:  
GDA 1994 MGA Zone 56

This map shows areas where particular provisions of the Nature Conservation Act 1992 apply to the clearing of protected plants.

Land parcel boundaries are provided as locational aid only.

This map is produced at a scale relevant to the size of the area selected and should be printed as A4 size in portrait orientation.

For further information or assistance with interpretation of this product, please contact the Department of Environment and Science at [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

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## 6. Koala protection framework (administered by the Department of Environment and Science (DES))

The koala (*Phascolarctos cinereus*) is listed in Queensland as vulnerable by the Queensland Government under *Nature Conservation Act 1992* and by the Australian Government under the *Environment Protection and Biodiversity Conservation Act 1999*.

The Queensland Government's koala protection framework is comprised of the *Nature Conservation Act 1992*, the Nature Conservation (Animals) Regulation 2020, the Nature Conservation (Koala) Conservation Plan 2017, the *Planning Act 2016* and the Planning Regulation 2017.

### 6.1 Koala mapping

#### 6.1.1 Koala districts

The parts of Queensland where koalas are known to occur has been divided into three koala districts - koala district A, koala district B and koala district C. Each koala district is made up of areas with comparable koala populations (e.g. density, extent and significance of threatening processes affecting the population) which require similar management regimes.

Section 7.1 identifies which koala district your property is located in.

#### 6.1.2 Koala habitat areas

Koala habitat areas are areas of vegetation that have been determined to contain koala habitat that is essential for the conservation of a viable koala population in the wild based on the combination of habitat suitability and biophysical variables with known relationships to koala habitat (e.g. landcover, soil, terrain, climate and ground water). In order to protect this important koala habitat, clearing controls have been introduced into the Planning Regulation 2017 for development in koala habitat areas.

Please note that koala habitat areas only exist in koala district A which is the South East Queensland "Shaping SEQ" Regional Plan area. These areas include the local government areas of Brisbane, Gold Coast, Logan, Lockyer Valley, Ipswich, Moreton Bay, Noosa, Redland, Scenic Rim, Somerset, Sunshine Coast and Toowoomba (urban extent).

There are two different categories of koala habitat area (core koala habitat area and locally refined koala habitat), which have been determined using two different methodologies. These methodologies are described in the document [Spatial modelling in South East Queensland](#).

Section 7.2 shows any koala habitat area that exists on your property.

Under the Nature Conservation (Koala) Conservation Plan 2017, an owner of land (or a person acting on the owner's behalf with written consent) can request to make, amend or revoke a koala habitat area determination if they believe, on reasonable grounds, that the existing determination for all or part of their property is incorrect.

More information on requests to make, amend or revoke a koala habitat area determination can be found in the document [Guideline - Requests to make, amend or revoke a koala habitat area determination](#).

The koala habitat area map will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

Changes to the koala habitat area map which occur between annual updates because of a request to make, amend or revoke a koala habitat area determination can be viewed on the register of approved requests to make, amend or revoke a koala habitat area available at: <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/koalamaps>. The register includes the lot on plan for the change, the date the decision was made and the map issued to the landholder that shows areas determined to be koala habitat areas.

#### 6.1.3 Koala priority areas

Koala priority areas are large, connected areas that have been determined to have the highest likelihood of achieving conservation outcomes for koalas based on the combination of habitat suitability, biophysical variables with known relationships to koala habitat (e.g. landcover, soil, terrain, climate and ground water) and a koala conservation cost benefit analysis.

Conservation efforts will be prioritised in these areas to ensure the conservation of viable koala populations in the wild including a focus on management (e.g. habitat protection, habitat restoration and threat mitigation) and monitoring. This includes a prohibition on clearing in koala habitat areas that are in koala priority areas under the Planning Regulation 2017 (subject to some exemptions).

Please note that koala priority areas only exist in koala district A which is the South East Queensland "Shaping SEQ" Regional Plan area. These areas include the local government areas of Brisbane, Gold Coast, Logan, Lockyer Valley,

Ipswich, Moreton Bay, Noosa, Redland, Scenic Rim, Somerset, Sunshine Coast and Toowoomba (urban extent).

Section 7.2 identifies if your property is in a koala priority area.

#### 6.1.4 Identified koala broad-hectare areas

There are seven identified koala broad-hectare areas in SEQ. These are areas of koala habitat that are located in areas committed to meet development targets in the SEQ Regional Plan to accommodate SEQ's growing population including bring-forward Greenfield sites under the Queensland Housing Affordability Strategy and declared master planned areas under the repealed *Sustainable Planning Act 2009* and the repealed *Integrated Planning Act 1997*.

Specific assessment benchmarks apply to development applications for development proposed in identified koala broad-hectare areas to ensure koala conservation measures are incorporated into the proposed development.

Section 7.2 identifies if your property is in an identified koala broad-hectare area.

## 6.2 Koala habitat planning controls

On 7 February 2020, the Queensland Government introduced new planning controls to the Planning Regulation 2017 to strengthen the protection of koala habitat in South East Queensland (i.e. koala district A).

More information on these planning controls can be found here:

<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy>.

As a high-level summary, the koala habitat planning controls make:

- development that involves interfering with koala habitat (defined below) in an area that is both a koala priority area and a koala habitat area, prohibited development (i.e. development for which a development application cannot be made);
- development that involves interfering with koala habitat (defined below) in an area that is a koala habitat area but is not a koala priority area, assessable development (i.e. development for which development approval is required); and
- development that is for extractive industries where the development involves interfering with koala habitat (defined below) in an area that is both a koala habitat area and a key resource area, assessable development (i.e. development for which development approval is required).

**Interfering with koala habitat means:**

- 1) Removing, cutting down, ringbarking, pushing over, poisoning or destroying in anyway, including by burning, flooding or draining native vegetation in a koala habitat area; but
- 2) Does not include destroying standing vegetation by stock or lopping a tree.

However, these planning controls do not apply if the development is exempted development as defined in Schedule 24 of the [Planning Regulation 2017](#). More information on exempted development can be found here:

<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy>.

There are also assessment benchmarks that apply to development applications for:

- building works, operational works, material change of use or reconfiguration of a lot where:
  - the local government planning scheme makes the development assessable;
  - the premises includes an area that is both a koala priority area and a koala habitat area; and
  - the development does not involve interfering with koala habitat (defined above); and
- development in identified koala broad-hectare areas.

The [Guideline - Assessment Benchmarks in relation to Koala Habitat in South East Queensland assessment benchmarks](#) outlines these assessment benchmarks, the intent of these assessment benchmarks and advice on how proposed development may meet these assessment benchmarks.



## 6.3 Koala Conservation Plan clearing requirements

Section 10 and 11 of the [Nature Conservation \(Koala\) Conservation Plan 2017](#) prescribes requirements that must be met when clearing koala habitat in koala district A and koala district B.

These clearing requirements are independent to the koala habitat planning controls introduced into the Planning Regulation 2017, which means they must be complied with irrespective of any approvals or exemptions offered under other legislation.

Unlike the clearing controls prescribed in the Planning Regulation 2017 that are to protect koala habitat, the clearing requirements prescribed in the Nature Conservation (Koala) Conservation Plan 2017 are in place to prevent the injury or death of koalas when koala habitat is being cleared.

## 6.4 Contact information for DES

For further information on the koala protection framework:

**Phone** 13 QGOV (13 74 68)

**Email** [koala.assessment@des.qld.gov.au](mailto:koala.assessment@des.qld.gov.au)

**Visit** <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping>

## 7. Koala protection framework details for Lot: 742 Plan: CG4224

### 7.1 Koala districts

Koala District A

## 7.2 Koala priority area, koala habitat area and identified koala broad-hectare area map

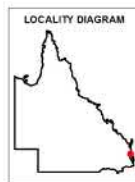


### Koala priority area, koala habitat area and identified koala broad-hectare area map

#### Legend

- Selected Lot and Plan
- Koala habitat area (core)
- Koala habitat area (locally refined)
- Koala priority area
- Identified koala broad-hectare area
- Cadastral Boundaries
- Towns
- Highway
- Connector
- Street/Local Road
- Major rivers/creeks
- Queensland

The koala habitat mapping within South East Queensland uses regional ecosystem linework compiled at a scale varying from 1:25,000 to 1:100,000. Linework should be used as a guide only. The positional accuracy of regional ecosystem data mapped at a scale of 1:100,000 is +/- 100 metres.



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The koala conservation plan maps will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

In order to ensure that the most recent map for an area of interest can be accessed, prior to the annual update, a register of changes made to koala habitat areas as a result of the map amendment process will be available at:  
<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/>.  
 The register will include lot on plan for the change, the date the decision was made and the map issued to the landholder which shows areas determined to be koala habitat areas.

## 7.3 Koala habitat regional ecosystems for core koala habitat areas



### Koala habitat regional ecosystems for core koala habitat areas

#### Legend

-  Selected Lot and Plan
-  Koala habitat area (core)
-  Towns
-  Highway
-  Connector
-  Street/Local Road
-  Major rivers/creeks
-  Queensland



The koala habitat mapping within South East Queensland uses regional ecosystem linework compiled at a scale varying from 1:25,000 to 1:100,000. Linework should be used as a guide only. The positional accuracy of regional ecosystem data mapped at a scale of 1:100,000 is +/- 100 metres.

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## 8. Other relevant legislation contacts list

Activity	Legislation	Agency	Contact details
<ul style="list-style-type: none"> <li>• Interference with overland flow</li> <li>• Earthworks, significant disturbance</li> </ul>	<i>Water Act 2000</i> <i>Soil Conservation Act 1986</i>	Department of Regional Development, Manufacturing and Water (Queensland Government) Department of Resources (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.rdmw.qld.gov.au">www.rdmw.qld.gov.au</a> <a href="http://www.resources.qld.gov.au">www.resources.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Indigenous Cultural Heritage</li> </ul>	<i>Aboriginal Cultural Heritage Act 2003</i> <i>Torres Strait Islander Cultural Heritage Act 2003</i>	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships	Ph: 13 QGOV (13 74 68) <a href="http://www.datsip.qld.gov.au">www.datsip.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Mining and environmentally relevant activities</li> <li>• Infrastructure development (coastal)</li> <li>• Heritage issues</li> </ul>	<i>Environmental Protection Act 1994</i> <i>Coastal Protection and Management Act 1995</i> <i>Queensland Heritage Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.des.qld.gov.au">www.des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Protected plants and protected areas</li> </ul>	<i>Nature Conservation Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 1300 130 372 (option 4) <a href="mailto:palm@des.qld.gov.au">palm@des.qld.gov.au</a> <a href="http://www.des.qld.gov.au">www.des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Koala mapping and regulations</li> </ul>	<i>Nature Conservation Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="mailto:Koala.assessment@des.qld.gov.au">Koala.assessment@des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Interference with fish passage in a watercourse, mangroves</li> <li>• Forestry activities on State land tenures</li> </ul>	<i>Fisheries Act 1994</i> <i>Forestry Act 1959</i>	Department of Agriculture and Fisheries (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.daf.qld.gov.au">www.daf.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Matters of National Environmental Significance including listed threatened species and ecological communities</li> </ul>	<i>Environment Protection and Biodiversity Conservation Act 1999</i>	Department of Agriculture, Water and the Environment (Australian Government)	Ph: 1800 803 772 <a href="http://www.environment.gov.au">www.environment.gov.au</a>
<ul style="list-style-type: none"> <li>• Development and planning processes</li> </ul>	<i>Planning Act 2016</i> <i>State Development and Public Works Organisation Act 1971</i>	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.dsdmip.qld.gov.au">www.dsdmip.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Local government requirements</li> </ul>	<i>Local Government Act 2009</i> <i>Planning Act 2016</i>	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) Your relevant local government office
<ul style="list-style-type: none"> <li>• Harvesting timber in the Wet Tropics of Qld World Heritage area</li> </ul>	<i>Wet Tropics World Heritage Protection and Management Act 1993</i>	Wet Tropics Management Authority	Ph: (07) 4241 0500 <a href="http://www.wettropics.gov.au">www.wettropics.gov.au</a>



## **Vegetation management report**

For Lot: 403 Plan: SL806415

14/02/2022

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2021 and includes the most recent Queensland Herbarium scientific updates to the Regulated Vegetation Management Map, regional ecosystems, wetland, high-value regrowth and essential habitat mapping.

The Department of Environment and Science have also updated their protected plant and koala protection mapping to align with the Queensland Herbarium scientific updates.

## Overview

Based on the lot on plan details you have supplied, this report provides the following detailed information:

**Property details** - information about the specified Lot on Plan, lot size, local government area, bioregion(s), subregion(s) and catchment(s);

**Vegetation management framework** - an explanation of the application of the framework and contact details for the Department of Resources who administer the framework;

**Vegetation management framework details for the specified Lot on Plan** including:

- the vegetation management categories on the property;
- the vegetation management regional ecosystems on the property;
- vegetation management watercourses or drainage features on the property;
- vegetation management wetlands on the property;
- vegetation management essential habitat on the property;
- whether any area management plans are associated with the property;
- whether the property is coastal or non-coastal; and
- whether the property is mapped as Agricultural Land Class A or B;

**Protected plant framework** - an explanation of the application of the framework and contact details for the Department of Environment and Science who administer the framework, including:

- high risk areas on the protected plant flora survey trigger map for the property;

**Koala protection framework** - an explanation of the application of the framework and contact details for the Department of Environment and Science who administer the framework; and

**Koala protection framework details for the specified Lot on Plan** including:

- the koala district the property is located in;
- koala priority areas on the property;
- core and locally refined koala habitat areas on the property;
- whether the lot is located in an identified koala broad-hectare area; and
- koala habitat regional ecosystems on the property for core koala habitat areas.

This information will assist you to determine your options for managing vegetation under:

- the vegetation management framework, which may include:

- exempt clearing work;
- accepted development vegetation clearing code;
- an area management plan;
- a development approval;

- the protected plant framework, which may include:

- the need to undertake a flora survey;
- exempt clearing;
- a protected plant clearing permit;

- the koala protection framework, which may include:

- exempted development;
- a development approval;
- the need to undertake clearing sequentially and in the presence of a koala spotter.

## Other laws

The clearing of native vegetation is regulated by both Queensland and Australian legislation, and some local governments also regulate native vegetation clearing. You may need to obtain an approval or permit under another Act, such as the Commonwealth Government's *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Section 8 of this guide provides contact details of other agencies you should confirm requirements with, before commencing vegetation clearing.

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# 1. Property details

## 1.1 Tenure and title area

All of the lot, plan, tenure and title area information associated with property Lot: 403 Plan: SL806415, are listed in Table 1.

**Table 1: Lot, plan, tenure and title area information for the property**

Lot	Plan	Tenure	Property title area (sq metres)
403	SL806415	Reserve	25,600

The tenure of the land may affect whether clearing is considered exempt clearing work or may be carried out under an accepted development vegetation clearing code.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 403 Plan: SL806415, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Brisbane City

Bioregion(s)	Subregion(s)
Southeast Queensland	Burringbar - Conondale Ranges

Catchment(s)
Brisbane

## 2. Vegetation management framework (administered by the Department of Resources)

The *Vegetation Management Act 1999* (VMA), the *Vegetation Management Regulation 2012*, the *Planning Act 2016* and the *Planning Regulation 2017*, in conjunction with associated policies and codes, form the Vegetation Management Framework.

The VMA does not apply to all land tenures or vegetation types. State forests, national parks, forest reserves and some tenures under the *Forestry Act 1959* and *Nature Conservation Act 1992* are not regulated by the VMA. Managing or clearing vegetation on these tenures may require approvals under these laws.

The following native vegetation is not regulated under the VMA but may require permit(s) under other laws:

- grass or non-woody herbage;
- a plant within a grassland regional ecosystem prescribed under Schedule 5 of the *Vegetation Management Regulation 2012*; and
- a mangrove.

### 2.1 Exempt clearing work

Exempt clearing work is an activity for which you do not need to notify the Department of Resources or obtain an approval under the vegetation management framework. Exempt clearing work was previously known as exemptions.

In areas that are mapped as Category X (white in colour) on the regulated vegetation management map (see section 4.1), and where the land tenure is freehold, indigenous land and leasehold land for agriculture and grazing purposes, the clearing of vegetation is considered exempt clearing work and does not require notification or development approval under the vegetation management framework. For all other land tenures, contact the Department of Resources before commencing clearing to ensure that the proposed activity is exempt clearing work.

A range of routine property management activities are considered exempt clearing work. A list of exempt clearing work is available at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/exemptions>.

Exempt clearing work may be affected if the proposed clearing area is subject to development approval conditions, a covenant, an environmental offset, an exchange area, a restoration notice, or an area mapped as Category A. Exempt clearing work may require approval under other Commonwealth, State or Local Government laws, or local government planning schemes. Contact the Department of Resources prior to clearing in any of these areas.

### 2.2 Accepted development vegetation clearing codes

Some clearing activities can be undertaken under an accepted development vegetation clearing code. The codes can be downloaded at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/codes>

If you intend to clear vegetation under an accepted development vegetation clearing code, you must notify the Department of Resources before commencing. The information in this report will assist you to complete the online notification form.

You can complete the online form at

<https://apps.dnrm.qld.gov.au/vegetation/>



## 2.3 Area management plans

Area Management Plans (AMP) provide an alternative approval system for vegetation clearing under the vegetation management framework. They list the purposes and clearing conditions that have been approved for the areas covered by the plan. It is not necessary to use an AMP, even when an AMP applies to your property.

On 8 March 2020, AMPs ended for fodder harvesting, managing thickened vegetation and managing encroachment. New notifications cannot be made for these AMPs. You will need to consider options for fodder harvesting, managing thickened vegetation or encroachment under a relevant accepted development vegetation clearing code or apply for a development approval.

New notifications can be made for all other AMPs. These will continue to apply until their nominated end date.

If an Area Management Plan applies to your property for which you can make a new notification, it will be listed in Section 3.6 of this report. Before clearing under one of these AMPs, you must first notify the Department of Resources and then follow the conditions and requirements listed in the AMP.

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/area-management-plans>

## 2.4 Development approvals

If under the vegetation management framework your proposed clearing is not exempt clearing work, or is not permitted under an accepted development vegetation clearing code, or an AMP, you may be able to apply for a development approval.

Information on how to apply for a development approval is available at

<https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/development>

## 2.5. Contact information for the Department of Resources

For further information on the vegetation management framework:

**Phone** 135VEG (135 834)

**Email** [vegetation@resources.qld.gov.au](mailto:vegetation@resources.qld.gov.au)

**Visit** <https://www.resources.qld.gov.au/?contact=vegetation> to submit an online enquiry.

### 3. Vegetation management framework for Lot: 403 Plan: SL806415

#### 3.1 Vegetation categories

The vegetation categories on your property are shown on the regulated vegetation management map in section 4.1 of this report. A summary of vegetation categories on the subject lot are listed in Table 3. Descriptions for these categories are shown in Table 4.

**Table 3: Vegetation categories for subject property. Total area: 2.41ha**

Vegetation category	Area (ha)
Category Water	0.3
Category X	2.1

**Table 4: Description of vegetation categories**

Category	Colour on Map	Description	Requirements / options under the vegetation management framework
A	red	Compliance areas, environmental offset areas and voluntary declaration areas	Special conditions apply to Category A areas. Before clearing, contact the Department of Resources to confirm any requirements in a Category A area.
B	dark blue	Remnant vegetation areas	Exempt clearing work, or notification and compliance with accepted development vegetation clearing codes, area management plans or development approval.
C	light blue	High-value regrowth areas	Exempt clearing work, or notification and compliance with managing Category C regrowth vegetation accepted development vegetation clearing code.
R	yellow	Regrowth within 50m of a watercourse or drainage feature in the Great Barrier Reef catchment areas	Exempt clearing work, or notification and compliance with managing Category R regrowth accepted development vegetation clearing code or area management plans.
X	white	Clearing on freehold land, indigenous land and leasehold land for agriculture and grazing purposes is considered exempt clearing work under the vegetation management framework. Contact the Department of Resources to clarify whether a development approval is required for other State land tenures.	No permit or notification required on freehold land, indigenous land and leasehold land for agriculture and grazing. A development approval may be required for some State land tenures.

#### Property Map of Assessable Vegetation (PMAV)

There is no Property Map of Assessable Vegetation (PMAV) present on this property.

## 3.2 Regional ecosystems

The endangered, of concern and least concern regional ecosystems on your property are shown on the vegetation management supporting map in section 4.2 and are listed in Table 5.

A description of regional ecosystems can be accessed online at <https://www.qld.gov.au/environment/plants-animals/plants/ecosystems/descriptions/>

**Table 5: Regional ecosystems present on subject property**

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
estuary	None	Water	0.27	None	None
non-rem	None	X	2.14	None	None

Please note:

1. All area and area derived figures included in this table have been calculated via reprojecting relevant spatial features to Albers equal-area conic projection (central meridian = 146, datum Geocentric Datum of Australia 1994). As a result, area figures may differ slightly if calculated for the same features using a different co-ordinate system.

2. If Table 5 contains a Category 'plant', please be aware that this refers to 'plantations' such as forestry, and these areas are considered non-remnant under the VMA.

The VMA status of the regional ecosystem (whether it is endangered, of concern or least concern) also determines if any of the following are applicable:

- exempt clearing work;
- accepted development vegetation clearing codes;
- performance outcomes in State Code 16 of the State Development Assessment Provisions (SDAP).

## 3.3 Watercourses

Vegetation management watercourses and drainage features for this property are shown on the vegetation management supporting map in section 4.2.

## 3.4 Wetlands

There are no vegetation management wetlands present on this property.

## 3.5 Essential habitat

Under the VMA, essential habitat for protected wildlife is native wildlife prescribed under the *Nature Conservation Act 1992* (NCA) as critically endangered, endangered, vulnerable or near-threatened wildlife.

Essential habitat for protected wildlife includes suitable habitat on the lot, or where a species has been known to occur up to 1.1 kilometres from a lot on which there is assessable vegetation. These important habitat areas are protected under the VMA.

Any essential habitat on this property will be shown as blue hatching on the vegetation supporting map in section 4.2.

If essential habitat is identified on the lot, information about the protected wildlife species is provided in Table 6 below. The numeric labels on the vegetation management supporting map can be cross referenced with Table 6 to outline the essential habitat factors for that particular species. There may be essential habitat for more than one species on each lot, and areas of Category A, Category B and Category C can be mapped as Essential Habitat.

Essential habitat is compiled from a combination of species habitat models and buffered species records. Regional ecosystem is a mandatory essential habitat factor, unless otherwise stated. Essential habitat, for protected wildlife, means an area of vegetation shown on the Regulated Vegetation Management Map -

- 1) that has at least 3 essential habitat factors for the protected wildlife that must include any essential habitat factors that are stated as mandatory for the protected wildlife in the essential habitat database. Essential habitat factors are comprised of - regional ecosystem (mandatory for most species), vegetation community, altitude, soils, position in landscape; or

2) in which the protected wildlife, at any stage of its life cycle, is located.

If there is no essential habitat mapping shown on the vegetation management supporting map for this lot, and there is no table in the sections below, it confirms that there is no essential habitat on the lot.

### **Category A and/or Category B and/or Category C**

#### **Table 6: Essential habitat in Category A and/or Category B and/or Category C**

No records

## **3.6 Area Management Plan(s)**

Nil

## **3.7 Coastal or non-coastal**

**For the purposes of the accepted development vegetation clearing codes and State Code 16 of the State Development Assessment Provisions (SDAP), this property is regarded as\***

Coastal

\*See also Map 4.3

## **3.8 Agricultural Land Class A or B**

The following can be used to identify Agricultural Land Class A or B areas under the "Managing regulated regrowth vegetation" accepted development vegetation clearing code:

**Does this lot contain land that is mapped as Agricultural Land Class A or B in the State Planning Interactive Mapping System?**

No Class A

No Class B

Note - This confirms Agricultural Land Classes as per the State Planning Interactive Mapping System only. This response does not include Agricultural Land Classes identified under local government planning schemes. For further information, check the Planning Scheme for your local government area.

See Map 4.4 to identify the location and extent of Class A and/or Class B Agricultural land on Lot: 403 Plan: SL806415.

## 4. Vegetation management framework maps

Vegetation management maps included in this report may also be requested individually at:

<https://www.resources.qld.gov.au/qld/environment/land/vegetation/vegetation-map-request-form>

### **Regulated vegetation management map**

The regulated vegetation management map shows vegetation categories needed to determine clearing requirements. These maps are updated monthly to show new [property maps of assessable vegetation \(PMAV\)](#).

### **Vegetation management supporting map**

The vegetation management supporting map provides information on regional ecosystems, wetlands, watercourses and essential habitat.

### **Coastal/non-coastal map**

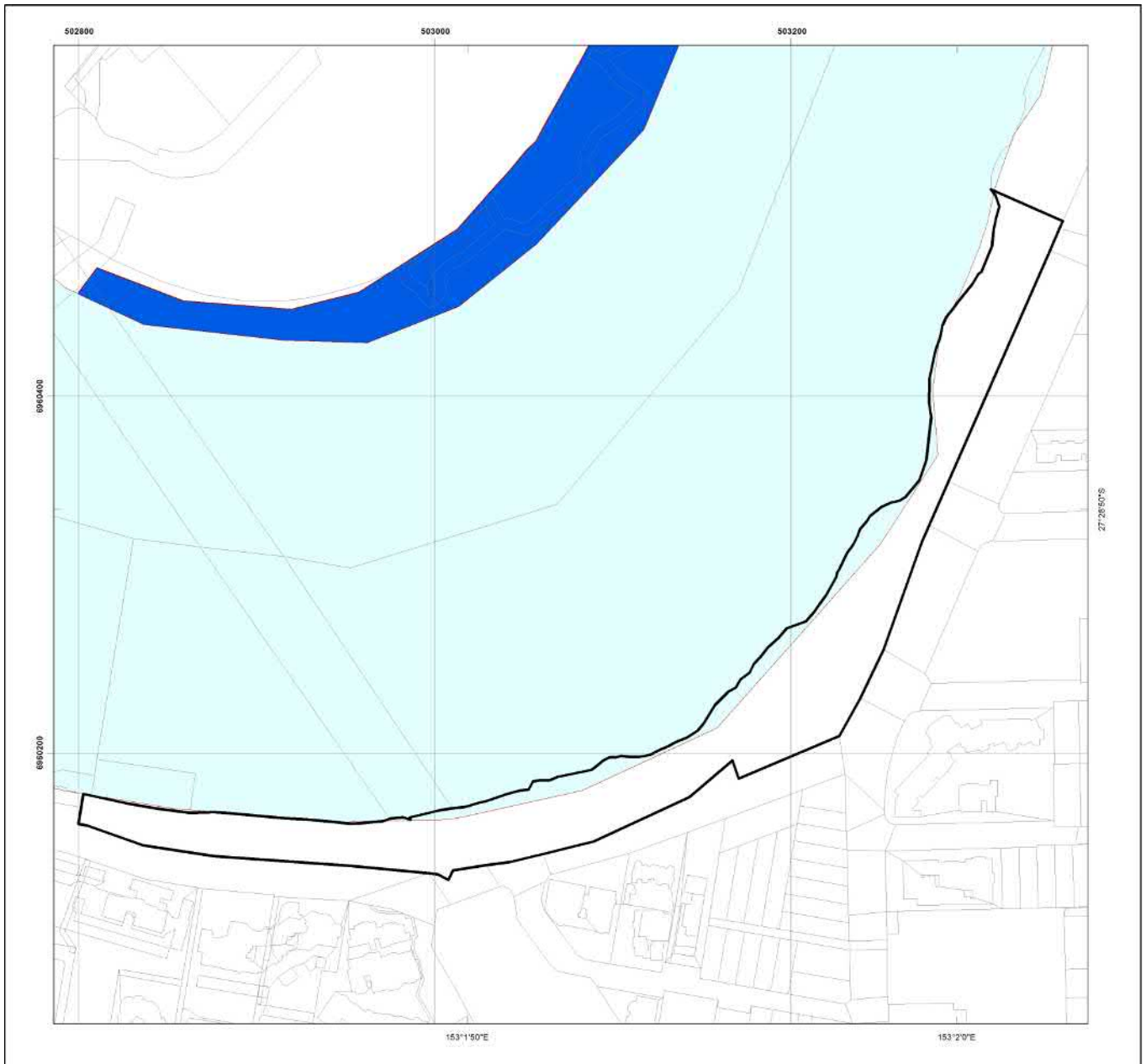
The coastal/non-coastal map confirms whether the lot, or which parts of the lot, are considered coastal or non-coastal for the purposes of the accepted development vegetation clearing codes and State Code 16 of the State Development Assessment Provisions (SDAP).

### **Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture**

The Agricultural Land Class map confirms the location and extent of land mapped as Agricultural Land Classes A or B as identified on the State Planning Interactive Mapping System. Please note that this map does not include areas identified as Agricultural Land Class A or B in local government planning schemes. This map can be used to identify Agricultural Land Class A or B areas under the "Managing regulated regrowth vegetation" accepted development vegetation clearing code.












# 4.1 Regulated vegetation management map



## Regulated Vegetation Management Map

### Legend

-  Selected Lot and Plan
-  Category A area (Vegetation offsets/compliance notices/VDecs)
-  Category B area (Remnant vegetation)
-  Category C area (High-value regrowth vegetation)
-  Category R area (Reef regrowth watercourse vegetation)
-  Category X area (Exempt clearing work on Freehold, Indigenous and Leasehold land)
-  Water
-  Area not categorised
-  Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 56

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Additional information required for the assessment of vegetation values is provided in the accompanying "Vegetation Management Supporting map". For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

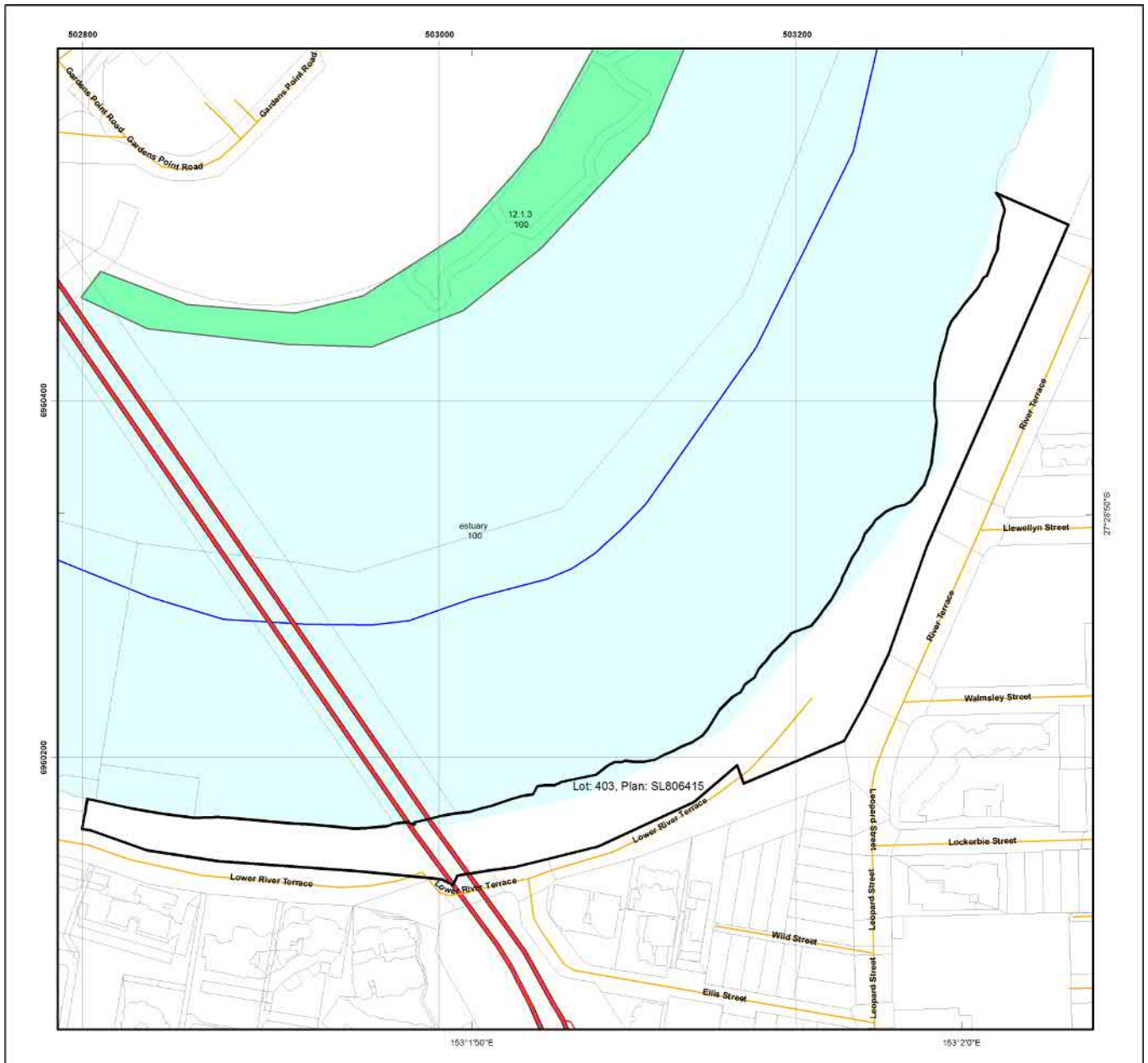
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

Land parcel boundaries are provided as locational aid only.

This map is updated on a monthly basis to ensure new PMAVs are included as they are approved.



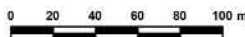
## 4.2 Vegetation management supporting map



### Vegetation Management Supporting Map

#### Legend

- Selected Lot and Plan
- Category A or B area containing endangered regional ecosystems
- Category A or B area containing of concern regional ecosystems
- Category A or B area that is a least concern regional ecosystem
- Category C or R area containing endangered regional ecosystems
- Category C or R area containing of concern regional ecosystems
- Category C or R area that is a least concern regional ecosystem
- Category X area
- Water
- Wetland on the vegetation management wetlands map
- Essential habitat on the essential habitat map
- Essential habitat species record
- Watercourses and drainage features on the vegetation management watercourse and drainage features map  
(Stream order shown as black number against stream where available)
- Highway
- Connector
- Street/Local Road
- National Parks, State Forest and other reserves
- Other land parcel boundaries



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Labels for Essential Habitat are centred on the area of enquiry.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/- 100 metres.

#### Disclaimer:

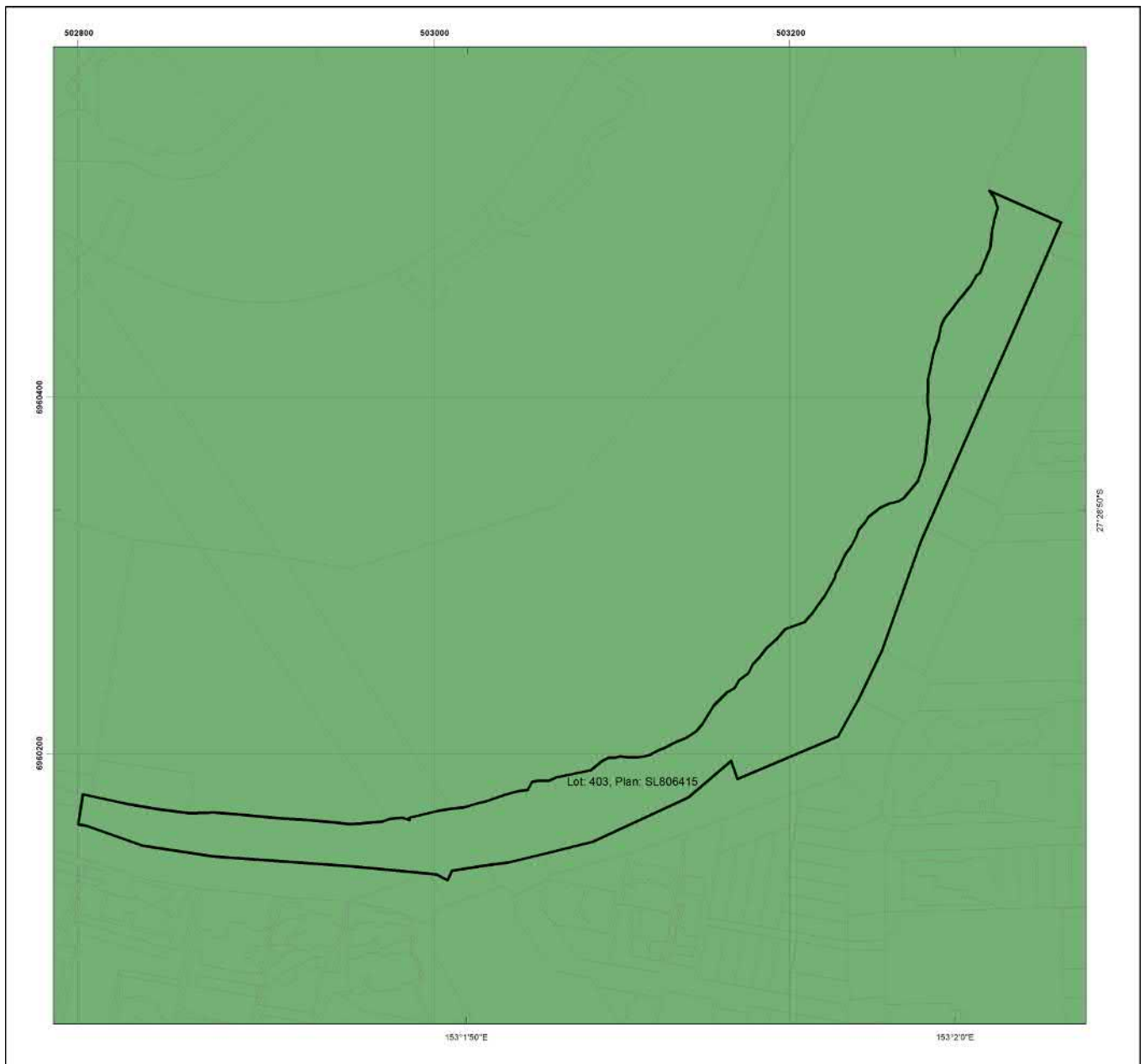
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Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

Digital data for the vegetation management watercourse and drainage feature map, vegetation management wetlands map, essential habitat map and the vegetation management remnant and regional ecosystem map are available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>





Land parcel boundaries are provided as locational aid only.

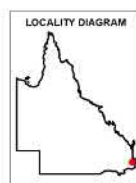
## 4.3 Coastal/non-coastal map



### Coastal/Non Coastal Map

#### Legend

-  Selected Lot and Plan
-  Coastal
-  Non Coastal
-  Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 56

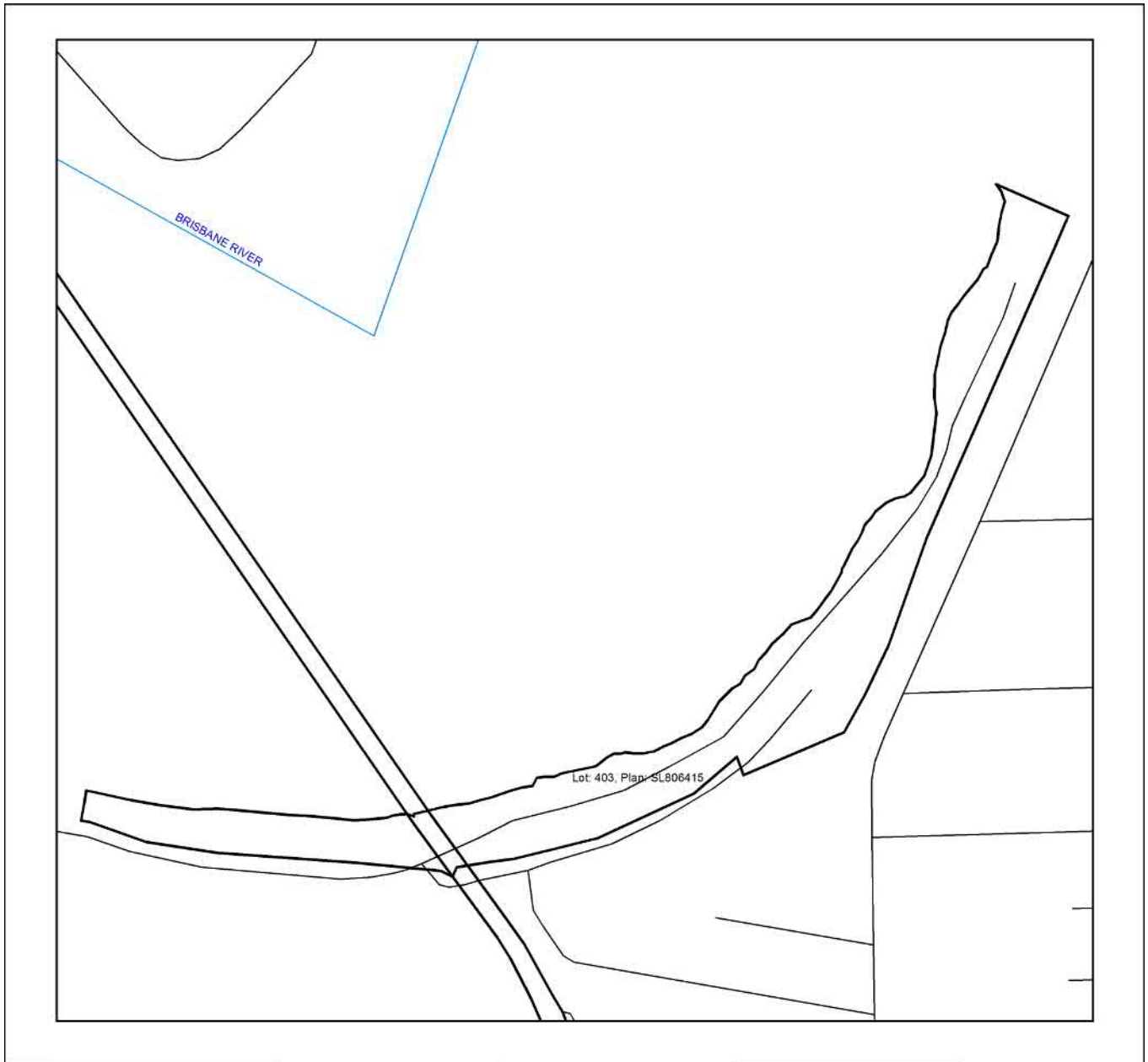
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Land parcel boundaries shown are provided as a locational aid only.



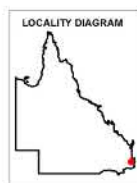
# 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



## Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture

### Legend

- Selected Lot and Plan
- Towns
- Rivers and creeks
- Freeways / motorways; Highways
- Secondary roads; Streets
- Agricultural land class A or B
  - A
  - B
  - Not class A or B



This product is projected into GDA 1994 MGA Zone 56

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## 5. Protected plants framework (administered by the Department of Environment and Science (DES))

In Queensland, all plants that are native to Australia are protected plants under the [Nature Conservation Act 1992](#) (NCA). The NCA regulates the clearing of protected plants 'in the wild' (see [Operational policy: When a protected plant in Queensland is considered to be 'in the wild'](#)) that are listed as critically endangered, endangered, vulnerable or near threatened under the Act.

Please note that the protected plant clearing framework applies irrespective of the classification of the vegetation under the *Vegetation Management Act 1999* and any approval or exemptions given under another Act, for example, the *Vegetation Management Act 1999* or *Planning Regulation 2017*.

### 5.1 Clearing in high risk areas on the flora survey trigger map

The flora survey trigger map identifies high-risk areas for endangered, vulnerable or near threatened (EVNT) plants. These are areas where EVNT plants are known to exist or are likely to exist based on the habitat present. The flora survey trigger map for this property is provided in section 5.5.

If you are proposing to clear an area shown as high risk on the flora survey trigger map, a flora survey of the clearing impact area must be undertaken by a suitably qualified person in accordance with the [Flora survey guidelines](#). The main objective of a flora survey is to locate any EVNT plants that may be present in the clearing impact area.

If the flora survey identifies that EVNT plants are not present within the clearing impact area or clearing within 100m of EVNT plants can be avoided, the clearing activity is exempt from a permit. An [exempt clearing notification form](#) must be submitted to the Department of Environment and Science, with a copy of the flora survey report, at least one week prior to clearing.

If the flora survey identifies that EVNT plants are present in, or within 100m of, the area to be cleared, a clearing permit is required before any clearing is undertaken. The flora survey report, as well as an impact management report, must be submitted with the [clearing permit application form](#).

### 5.2 Clearing outside high risk areas on the flora survey trigger map

In an area other than a high risk area, a clearing permit is only required where a person is, or becomes aware that EVNT plants are present in, or within 100m of, the area to be cleared. You must keep a copy of the flora survey trigger map for the area subject to clearing for five years from the day the clearing starts. If you do not clear within the 12 month period that the flora survey trigger map was printed, you need to print and check a new flora survey trigger map.

### 5.3 Exemptions

Many activities are 'exempt' under the protected plant clearing framework, which means that clearing of native plants that are in the wild can be undertaken for these activities with no need for a flora survey or a protected plant clearing permit. The Information sheet - General exemptions for the take of protected plants provides some of these exemptions.

Some exemptions under the NCA are the same as exempt clearing work (formerly known as exemptions) under the *Vegetation Management Act 1999* (i.e. listed in Schedule 21 of the Planning Regulations 2017) while some are different.

### 5.4 Contact information for DES

For further information on the protected plants framework:

**Phone** 1300 130 372 (and select option four)

**Email** [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

**Visit** <https://www.qld.gov.au/environment/plants-animals/plants/protected-plants>

## 5.5 Protected plants flora survey trigger map

This map included may also be requested individually at: <https://apps.des.qld.gov.au/map-request/flora-survey-trigger/>.

### Updates to the data informing the flora survey trigger map

The flora survey trigger map will be reviewed, and updated if necessary, at least every 12 months to ensure the map reflects the most up-to-date and accurate data available.

### Species information






Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. Regardless of whether species information is available for a particular high risk area, clearing plants in a high risk area may require a flora survey and/or clearing permit. Please see the Department of Environment and Science webpage on the [clearing of protected plants](#) for more information.





### Protected Plants Flora Survey Trigger Map

#### Legend

-  Selected Lot and Plan
-  High risk area
-  Other land parcel boundaries
-  Freeways / motorways / highways
-  Secondary roads / streets



This product is projected into:  
GDA 1994 MGA Zone 56

This map shows areas where particular provisions of the Nature Conservation Act 1992 apply to the clearing of protected plants.

Land parcel boundaries are provided as locational aid only.

This map is produced at a scale relevant to the size of the area selected and should be printed as A4 size in portrait orientation.

For further information or assistance with interpretation of this product, please contact the Department of Environment and Science at [palm@des.qld.gov.au](mailto:palm@des.qld.gov.au)

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## 6. Koala protection framework (administered by the Department of Environment and Science (DES))

The koala (*Phascolarctos cinereus*) is listed in Queensland as vulnerable by the Queensland Government under *Nature Conservation Act 1992* and by the Australian Government under the *Environment Protection and Biodiversity Conservation Act 1999*.

The Queensland Government's koala protection framework is comprised of the *Nature Conservation Act 1992*, the Nature Conservation (Animals) Regulation 2020, the Nature Conservation (Koala) Conservation Plan 2017, the *Planning Act 2016* and the Planning Regulation 2017.

### 6.1 Koala mapping

#### 6.1.1 Koala districts

The parts of Queensland where koalas are known to occur has been divided into three koala districts - koala district A, koala district B and koala district C. Each koala district is made up of areas with comparable koala populations (e.g. density, extent and significance of threatening processes affecting the population) which require similar management regimes.

Section 7.1 identifies which koala district your property is located in.

#### 6.1.2 Koala habitat areas

Koala habitat areas are areas of vegetation that have been determined to contain koala habitat that is essential for the conservation of a viable koala population in the wild based on the combination of habitat suitability and biophysical variables with known relationships to koala habitat (e.g. landcover, soil, terrain, climate and ground water). In order to protect this important koala habitat, clearing controls have been introduced into the Planning Regulation 2017 for development in koala habitat areas.

Please note that koala habitat areas only exist in koala district A which is the South East Queensland "Shaping SEQ" Regional Plan area. These areas include the local government areas of Brisbane, Gold Coast, Logan, Lockyer Valley, Ipswich, Moreton Bay, Noosa, Redland, Scenic Rim, Somerset, Sunshine Coast and Toowoomba (urban extent).

There are two different categories of koala habitat area (core koala habitat area and locally refined koala habitat), which have been determined using two different methodologies. These methodologies are described in the document [Spatial modelling in South East Queensland](#).

Section 7.2 shows any koala habitat area that exists on your property.

Under the Nature Conservation (Koala) Conservation Plan 2017, an owner of land (or a person acting on the owner's behalf with written consent) can request to make, amend or revoke a koala habitat area determination if they believe, on reasonable grounds, that the existing determination for all or part of their property is incorrect.

More information on requests to make, amend or revoke a koala habitat area determination can be found in the document [Guideline - Requests to make, amend or revoke a koala habitat area determination](#).

The koala habitat area map will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

Changes to the koala habitat area map which occur between annual updates because of a request to make, amend or revoke a koala habitat area determination can be viewed on the register of approved requests to make, amend or revoke a koala habitat area available at: <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/koalamaps>. The register includes the lot on plan for the change, the date the decision was made and the map issued to the landholder that shows areas determined to be koala habitat areas.

#### 6.1.3 Koala priority areas

Koala priority areas are large, connected areas that have been determined to have the highest likelihood of achieving conservation outcomes for koalas based on the combination of habitat suitability, biophysical variables with known relationships to koala habitat (e.g. landcover, soil, terrain, climate and ground water) and a koala conservation cost benefit analysis.

Conservation efforts will be prioritised in these areas to ensure the conservation of viable koala populations in the wild including a focus on management (e.g. habitat protection, habitat restoration and threat mitigation) and monitoring. This includes a prohibition on clearing in koala habitat areas that are in koala priority areas under the Planning Regulation 2017 (subject to some exemptions).

Please note that koala priority areas only exist in koala district A which is the South East Queensland "Shaping SEQ" Regional Plan area. These areas include the local government areas of Brisbane, Gold Coast, Logan, Lockyer Valley,

Ipswich, Moreton Bay, Noosa, Redland, Scenic Rim, Somerset, Sunshine Coast and Toowoomba (urban extent).

Section 7.2 identifies if your property is in a koala priority area.

#### 6.1.4 Identified koala broad-hectare areas

There are seven identified koala broad-hectare areas in SEQ. These are areas of koala habitat that are located in areas committed to meet development targets in the SEQ Regional Plan to accommodate SEQ's growing population including bring-forward Greenfield sites under the Queensland Housing Affordability Strategy and declared master planned areas under the repealed *Sustainable Planning Act 2009* and the repealed *Integrated Planning Act 1997*.

Specific assessment benchmarks apply to development applications for development proposed in identified koala broad-hectare areas to ensure koala conservation measures are incorporated into the proposed development.

Section 7.2 identifies if your property is in an identified koala broad-hectare area.

## 6.2 Koala habitat planning controls

On 7 February 2020, the Queensland Government introduced new planning controls to the Planning Regulation 2017 to strengthen the protection of koala habitat in South East Queensland (i.e. koala district A).

More information on these planning controls can be found here:

<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy>.

As a high-level summary, the koala habitat planning controls make:

- development that involves interfering with koala habitat (defined below) in an area that is both a koala priority area and a koala habitat area, prohibited development (i.e. development for which a development application cannot be made);
- development that involves interfering with koala habitat (defined below) in an area that is a koala habitat area but is not a koala priority area, assessable development (i.e. development for which development approval is required); and
- development that is for extractive industries where the development involves interfering with koala habitat (defined below) in an area that is both a koala habitat area and a key resource area, assessable development (i.e. development for which development approval is required).

**Interfering with koala habitat means:**

- 1) Removing, cutting down, ringbarking, pushing over, poisoning or destroying in anyway, including by burning, flooding or draining native vegetation in a koala habitat area; but
- 2) Does not include destroying standing vegetation by stock or lopping a tree.

However, these planning controls do not apply if the development is exempted development as defined in Schedule 24 of the [Planning Regulation 2017](#). More information on exempted development can be found here:

<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy>.

There are also assessment benchmarks that apply to development applications for:

- building works, operational works, material change of use or reconfiguration of a lot where:
  - the local government planning scheme makes the development assessable;
  - the premises includes an area that is both a koala priority area and a koala habitat area; and
  - the development does not involve interfering with koala habitat (defined above); and
- development in identified koala broad-hectare areas.

The [Guideline - Assessment Benchmarks in relation to Koala Habitat in South East Queensland assessment benchmarks](#) outlines these assessment benchmarks, the intent of these assessment benchmarks and advice on how proposed development may meet these assessment benchmarks.

## 6.3 Koala Conservation Plan clearing requirements

Section 10 and 11 of the [Nature Conservation \(Koala\) Conservation Plan 2017](#) prescribes requirements that must be met when clearing koala habitat in koala district A and koala district B.

These clearing requirements are independent to the koala habitat planning controls introduced into the Planning Regulation 2017, which means they must be complied with irrespective of any approvals or exemptions offered under other legislation.

Unlike the clearing controls prescribed in the Planning Regulation 2017 that are to protect koala habitat, the clearing requirements prescribed in the Nature Conservation (Koala) Conservation Plan 2017 are in place to prevent the injury or death of koalas when koala habitat is being cleared.

## 6.4 Contact information for DES

For further information on the koala protection framework:

**Phone** 13 QGOV (13 74 68)

**Email** [koala.assessment@des.qld.gov.au](mailto:koala.assessment@des.qld.gov.au)

**Visit** <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping>

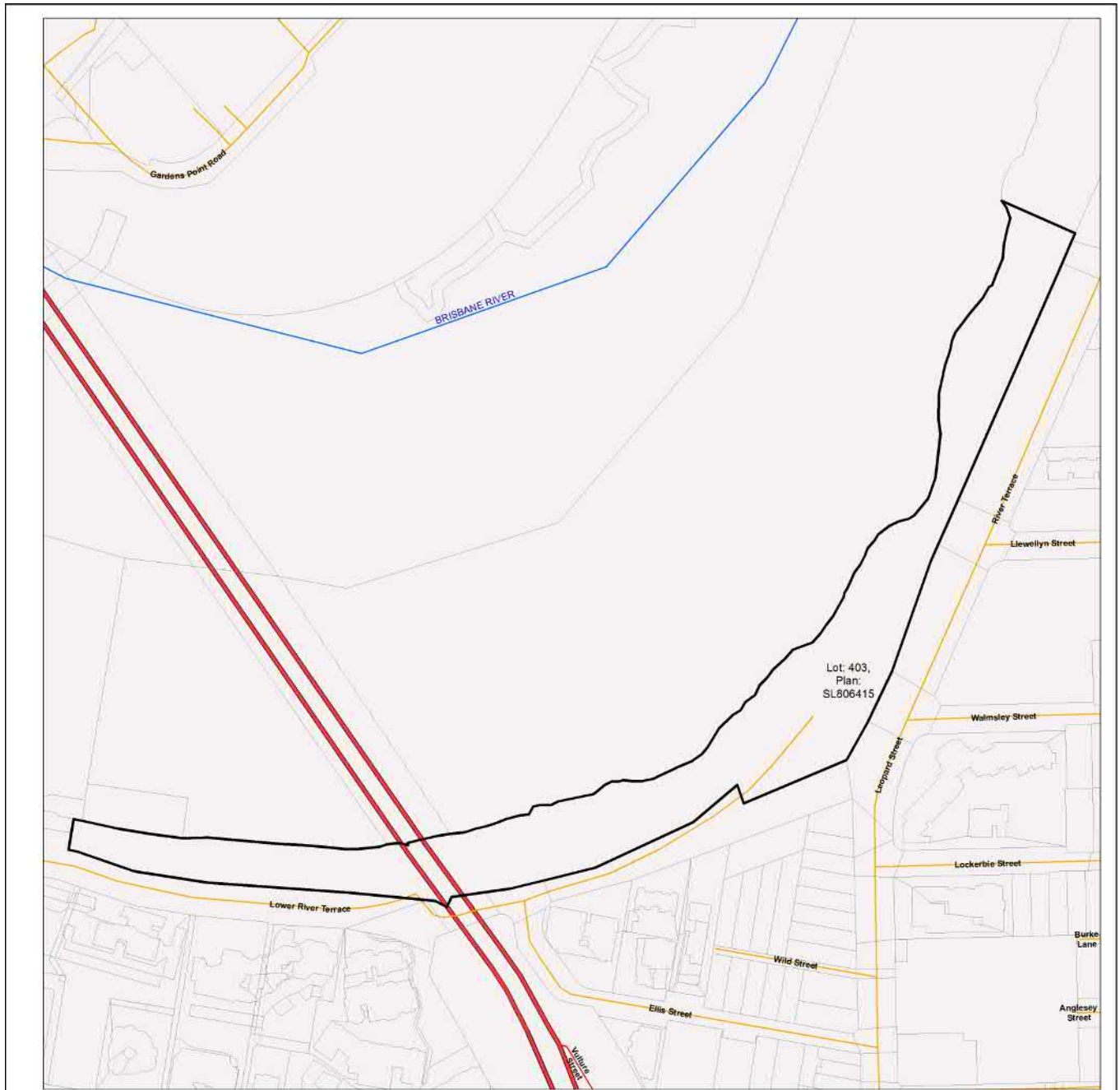
## 7. Koala protection framework details for Lot: 403 Plan: SL806415

### 7.1 Koala districts

Koala District A















## 7.2 Koala priority area, koala habitat area and identified koala broad-hectare area map

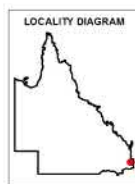


### Koala priority area, koala habitat area and identified koala broad-hectare area map

#### Legend

-  Selected Lot and Plan
-  Koala habitat area (core)
-  Koala habitat area (locally refined)
-  Koala priority area
-  Identified koala broad-hectare area
-  Cadastral Boundaries
-  Towns
-  Highway
-  Connector
-  Street/Local Road
-  Major rivers/creeks
-  Queensland

The koala habitat mapping within South East Queensland uses regional ecosystem line work compiled at a scale varying from 1:25,000 to 1:100,000. Linework should be used as a guide only. The positional accuracy of regional ecosystem data mapped at a scale of 1:100,000 is +/- 100 metres.



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The koala conservation plan maps will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

In order to ensure that the most recent map for an area of interest can be accessed, prior to the annual update, a register of changes made to koala habitat areas as a result of the map amendment process will be available at:  
<https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/>.  
 The register will include lot on plan for the change, the date the decision was made and the map issued to the landholder which shows areas determined to be koala habitat areas.

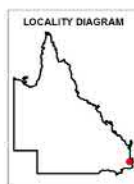
## 7.3 Koala habitat regional ecosystems for core koala habitat areas



### Koala habitat regional ecosystems for core koala habitat areas

#### Legend

-  Selected Lot and Plan
-  Koala habitat area (core)
-  Towns
-  Highway
-  Connector
-  Street/Local Road
-  Major rivers/creeks
-  Queensland



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## 8. Other relevant legislation contacts list

Activity	Legislation	Agency	Contact details
<ul style="list-style-type: none"> <li>• Interference with overland flow</li> <li>• Earthworks, significant disturbance</li> </ul>	<i>Water Act 2000</i> <i>Soil Conservation Act 1986</i>	Department of Regional Development, Manufacturing and Water (Queensland Government) Department of Resources (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.rdmw.qld.gov.au">www.rdmw.qld.gov.au</a> <a href="http://www.resources.qld.gov.au">www.resources.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Indigenous Cultural Heritage</li> </ul>	<i>Aboriginal Cultural Heritage Act 2003</i> <i>Torres Strait Islander Cultural Heritage Act 2003</i>	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships	Ph: 13 QGOV (13 74 68) <a href="http://www.datsip.qld.gov.au">www.datsip.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Mining and environmentally relevant activities</li> <li>• Infrastructure development (coastal)</li> <li>• Heritage issues</li> </ul>	<i>Environmental Protection Act 1994</i> <i>Coastal Protection and Management Act 1995</i> <i>Queensland Heritage Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.des.qld.gov.au">www.des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Protected plants and protected areas</li> </ul>	<i>Nature Conservation Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 1300 130 372 (option 4) <a href="mailto:palm@des.qld.gov.au">palm@des.qld.gov.au</a> <a href="http://www.des.qld.gov.au">www.des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Koala mapping and regulations</li> </ul>	<i>Nature Conservation Act 1992</i>	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="mailto:Koala.assessment@des.qld.gov.au">Koala.assessment@des.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Interference with fish passage in a watercourse, mangroves</li> <li>• Forestry activities on State land tenures</li> </ul>	<i>Fisheries Act 1994</i> <i>Forestry Act 1959</i>	Department of Agriculture and Fisheries (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.daf.qld.gov.au">www.daf.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Matters of National Environmental Significance including listed threatened species and ecological communities</li> </ul>	<i>Environment Protection and Biodiversity Conservation Act 1999</i>	Department of Agriculture, Water and the Environment (Australian Government)	Ph: 1800 803 772 <a href="http://www.environment.gov.au">www.environment.gov.au</a>
<ul style="list-style-type: none"> <li>• Development and planning processes</li> </ul>	<i>Planning Act 2016</i> <i>State Development and Public Works Organisation Act 1971</i>	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) <a href="http://www.dsdmip.qld.gov.au">www.dsdmip.qld.gov.au</a>
<ul style="list-style-type: none"> <li>• Local government requirements</li> </ul>	<i>Local Government Act 2009</i> <i>Planning Act 2016</i>	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) Your relevant local government office
<ul style="list-style-type: none"> <li>• Harvesting timber in the Wet Tropics of Qld World Heritage area</li> </ul>	<i>Wet Tropics World Heritage Protection and Management Act 1993</i>	Wet Tropics Management Authority	Ph: (07) 4241 0500 <a href="http://www.wettropics.gov.au">www.wettropics.gov.au</a>

## Appendix E **WildNet Species List**



# Queensland Government

## WildNet species list

Search Criteria: Species List for a Specified Point  
Species: All  
Type: All  
Queensland status: All  
Records: All  
Date: All  
Latitude: -26.6785  
Longitude: 153.0925  
Distance: 2  
Email: yani.mouland-vail@smec.com  
Date submitted: Monday 14 Feb 2022 13:57:38  
Date extracted: Monday 14 Feb 2022 14:00:07

The number of records retrieved = 447

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

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

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufonidae	<i>Rhinella marina</i>	cane toad	Y			8
animals	amphibians	Hylidae	<i>Litoria caerulea</i>	common green treefrog		C		8
animals	amphibians	Hylidae	<i>Litoria fallax</i>	eastern sedgefrog		C		11
animals	amphibians	Hylidae	<i>Litoria gracilentia</i>	graceful treefrog		C		3
animals	amphibians	Hylidae	<i>Litoria nasuta</i>	striped rocketfrog		C		1
animals	amphibians	Hylidae	<i>Litoria olongburensis</i>	wallum sedgefrog		V	V	2
animals	amphibians	Hylidae	<i>Litoria rubella</i>	ruddy treefrog		C		1
animals	amphibians	Hylidae	<i>Litoria tyleri</i>	southern laughing treefrog		C		2
animals	amphibians	Limnodynastidae	<i>Adelotus brevis</i>	tusked frog		V		11
animals	amphibians	Limnodynastidae	<i>Limnodynastes peronii</i>	striped marshfrog		C		5
animals	amphibians	Limnodynastidae	<i>Limnodynastes terraereginae</i>	scarlet sided pobblebonk		C		1
animals	amphibians	Myobatrachidae	<i>Crinia parinsignifera</i>	beeping froglet		C		2
animals	amphibians	Myobatrachidae	<i>Pseudophryne raveni</i>	copper backed broodfrog		C		1
animals	birds	Acanthizidae	<i>Acanthiza lineata</i>	striated thornbill		C		1
animals	birds	Acanthizidae	<i>Acanthiza pusilla</i>	brown thornbill		C		27
animals	birds	Acanthizidae	<i>Gerygone fusca</i>	western gerygone		C		1
animals	birds	Acanthizidae	<i>Gerygone olivacea</i>	white-throated gerygone		C		4
animals	birds	Acanthizidae	<i>Sericornis citreogularis</i>	yellow-throated scrubwren		C		1
animals	birds	Acanthizidae	<i>Sericornis frontalis</i>	white-browed scrubwren		C		23
animals	birds	Acanthizidae	<i>Sericornis magnirostra</i>	large-billed scrubwren		C		2
animals	birds	Acanthizidae	<i>Smicronis brevirostris</i>	weebill		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		3
animals	birds	Accipitridae	<i>Aviceda subcristata</i>	Pacific baza		C		5
animals	birds	Accipitridae	<i>Elanus axillaris</i>	black-shouldered kite		C		7
animals	birds	Accipitridae	<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle		C		1
animals	birds	Accipitridae	<i>Haliastur indus</i>	brahmyny kite		C		2
animals	birds	Accipitridae	<i>Haliastur sphenurus</i>	whistling kite		C		9
animals	birds	Accipitridae	<i>Hieraaetus morphnoides</i>	little eagle		C		1
animals	birds	Accipitridae	<i>Pandion cristatus</i>	eastern osprey		SL		11
animals	birds	Alcedinidae	<i>Ceyx azureus</i>	azure kingfisher		C		1
animals	birds	Anatidae	<i>Anas superciliosa</i>	Pacific black duck		C		19
animals	birds	Anatidae	<i>Aythya australis</i>	hardhead		C		1
animals	birds	Anatidae	<i>Chenonetta jubata</i>	Australian wood duck		C		13
animals	birds	Anatidae	<i>Cygnus atratus</i>	black swan		C		4
animals	birds	Anhingidae	<i>Anhinga novaehollandiae</i>	Australasian darter		C		9
animals	birds	Apodidae	<i>Apus pacificus</i>	fork-tailed swift		SL		1
animals	birds	Apodidae	<i>Hirundapus caudacutus</i>	white-throated needletail		V	V	12
animals	birds	Ardeidae	<i>Ardea alba modesta</i>	eastern great egret		C		5
animals	birds	Ardeidae	<i>Ardea intermedia</i>	intermediate egret		C		5
animals	birds	Ardeidae	<i>Ardea pacifica</i>	white-necked heron		C		1
animals	birds	Ardeidae	<i>Bubulcus ibis</i>	cattle egret		C		3
animals	birds	Ardeidae	<i>Butorides striata</i>	striated heron		C		2
animals	birds	Ardeidae	<i>Egretta garzetta</i>	little egret		C		1
animals	birds	Ardeidae	<i>Egretta novaehollandiae</i>	white-faced heron		C		26

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animals	birds	Ardeidae	<i>Egretta sacra</i>	eastern reef egret		C		2
animals	birds	Artamidae	<i>Artamus leucorhynchus</i>	white-breasted woodswallow		C		6
animals	birds	Artamidae	<i>Cracticus nigrogularis</i>	piebald butcherbird		C		51
animals	birds	Artamidae	<i>Cracticus torquatus</i>	grey butcherbird		C		42
animals	birds	Artamidae	<i>Gymnorhina tibicen</i>	Australian magpie		C		50
animals	birds	Artamidae	<i>Strepera graculina</i>	piebald currawong		C		15
animals	birds	Artamidae	<i>Strepera graculina graculina</i>	piebald 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		14
animals	birds	Cacatuidae	<i>Cacatua sanguinea</i>	little corella		C		1
animals	birds	Cacatuidae	<i>Cacatua tenuirostris</i>	long-billed corella	Y	C		1
animals	birds	Cacatuidae	<i>Calyptorhynchus funereus</i>	yellow-tailed black-cockatoo		C		11
animals	birds	Cacatuidae	<i>Eolophus roseicapilla</i>	galah		C		27
animals	birds	Campephagidae	<i>Coracina lineata</i>	barred cuckoo-shrike		C		2
animals	birds	Campephagidae	<i>Coracina novaehollandiae</i>	black-faced cuckoo-shrike		C		44
animals	birds	Campephagidae	<i>Edolisoma tenuirostre</i>	common cicadabird		C		10
animals	birds	Campephagidae	<i>Lalage leucomela</i>	varied triller		C		14
animals	birds	Campephagidae	<i>Lalage tricolor</i>	white-winged triller		C		1
animals	birds	Charadriidae	<i>Charadrius bicinctus</i>	double-banded plover		SL		2
animals	birds	Charadriidae	<i>Charadrius ruficapillus</i>	red-capped plover		C		1
animals	birds	Charadriidae	<i>Pluvialis fulva</i>	Pacific golden plover		SL		1
animals	birds	Charadriidae	<i>Vanellus miles</i>	masked lapwing		C		2
animals	birds	Charadriidae	<i>Vanellus miles novaehollandiae</i>	masked lapwing (southern subspecies)		C		19
animals	birds	Charadriidae	<i>Vanellus tricolor</i>	banded lapwing		C		1
animals	birds	Cisticolidae	<i>Cisticola exilis</i>	golden-headed cisticola		C		7
animals	birds	Climacteridae	<i>Climacteris picumnus</i>	brown treecreeper		C		1
animals	birds	Climacteridae	<i>Cormobates leucophaea metastasis</i>	white-throated treecreeper (southern)		C		19
animals	birds	Columbidae	<i>Chalcophaps longirostris</i>	Pacific emerald dove		C		6
animals	birds	Columbidae	<i>Columba leucomela</i>	white-headed pigeon		C		4
animals	birds	Columbidae	<i>Columba livia</i>	rock dove	Y			1
animals	birds	Columbidae	<i>Geopelia humeralis</i>	bar-shouldered dove		C		5
animals	birds	Columbidae	<i>Geopelia placida</i>	peaceful dove		C		4
animals	birds	Columbidae	<i>Lopholaimus antarcticus</i>	topknot pigeon		C		1
animals	birds	Columbidae	<i>Macropygia amboinensis</i>	brown cuckoo-dove		C		4
animals	birds	Columbidae	<i>Ocyphaps lophotes</i>	crested pigeon		C		27
animals	birds	Columbidae	<i>Phaps chalcoptera</i>	common bronzewing		C		1
animals	birds	Columbidae	<i>Ptilinopus regina</i>	rose-crowned fruit-dove		C		1
animals	birds	Columbidae	<i>Streptopelia chinensis</i>	spotted dove	Y			46
animals	birds	Coraciidae	<i>Eurystomus orientalis</i>	dollarbird		C		20
animals	birds	Corvidae	<i>Corvus orru</i>	Torresian crow		C		59
animals	birds	Cuculidae	<i>Cacomantis flabelliformis</i>	fan-tailed cuckoo		C		5
animals	birds	Cuculidae	<i>Centropus phasianinus</i>	pheasant coucal		C		19
animals	birds	Cuculidae	<i>Chalcites basalis</i>	Horsfield's bronze-cuckoo		C		1
animals	birds	Cuculidae	<i>Chalcites lucidus</i>	shining bronze-cuckoo		C		3
animals	birds	Cuculidae	<i>Eudynamys orientalis</i>	eastern koel		C		22
animals	birds	Cuculidae	<i>Scythrops novaehollandiae</i>	channel-billed cuckoo		C		3

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animals	birds	Dicruridae	<i>Dicrurus bracteatus</i>	spangled drongo		C		47
animals	birds	Dicruridae	<i>Dicrurus bracteatus bracteatus</i>	spangled drongo (eastern Australia)		C		1
animals	birds	Estrildidae	<i>Lonchura castaneothorax</i>	chestnut-breasted mannikin		C		5
animals	birds	Estrildidae	<i>Neochmia temporalis</i>	red-browed finch		C		8
animals	birds	Estrildidae	<i>Taeniopygia bichenovii</i>	double-barred finch		C		4
animals	birds	Falconidae	<i>Falco cenchroides</i>	nankeen kestrel		C		3
animals	birds	Falconidae	<i>Falco longipennis</i>	Australian hobby		C		1
animals	birds	Halcyonidae	<i>Dacelo novaeguineae</i>	laughing kookaburra		C		51
animals	birds	Halcyonidae	<i>Todiramphus macleayii</i>	forest kingfisher		C		3
animals	birds	Halcyonidae	<i>Todiramphus sanctus</i>	sacred kingfisher		C		12
animals	birds	Halcyonidae	<i>Todiramphus sordidus</i>	Torresian kingfisher		C		1
animals	birds	Hirundinidae	<i>Hirundo neoxena</i>	welcome swallow		C		37
animals	birds	Hirundinidae	<i>Petrochelidon ariel</i>	fairy martin		C		3
animals	birds	Hirundinidae	<i>Petrochelidon nigricans</i>	tree martin		C		2
animals	birds	Jacanidae	<i>Irediparra gallinacea</i>	comb-crested jacana		C		3
animals	birds	Laridae	<i>Chroicocephalus novaehollandiae</i>	silver gull		C		5
animals	birds	Laridae	<i>Sterna hirundo</i>	common tern		SL		1
animals	birds	Laridae	<i>Sternula albifrons</i>	little tern		SL		1
animals	birds	Laridae	<i>Thalasseus bergii</i>	crested tern		SL		2
animals	birds	Maluridae	<i>Malurus cyaneus</i>	superb fairy-wren		C		2
animals	birds	Maluridae	<i>Malurus lamberti</i>	variegated fairy-wren		C		14
animals	birds	Maluridae	<i>Malurus melanocephalus</i>	red-backed fairy-wren		C		9
animals	birds	Megapodiidae	<i>Alectura lathamii</i>	Australian brush-turkey		C		9
animals	birds	Meliphagidae	<i>Anthochaera chrysoptera</i>	little wattlebird		C		34
animals	birds	Meliphagidae	<i>Caligavis chrysops</i>	yellow-faced honeyeater		C		2
animals	birds	Meliphagidae	<i>Entomyzon cyanotis</i>	blue-faced honeyeater		C		30
animals	birds	Meliphagidae	<i>Lichmera indistincta</i>	brown honeyeater		C		30
animals	birds	Meliphagidae	<i>Manorina melanocephala</i>	noisy miner		C		54
animals	birds	Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater		C		55
animals	birds	Meliphagidae	<i>Melithreptus albogularis</i>	white-throated honeyeater		C		17
animals	birds	Meliphagidae	<i>Myzomela obscura</i>	dusky honeyeater		C		7
animals	birds	Meliphagidae	<i>Myzomela sanguinolenta</i>	scarlet honeyeater		C		34
animals	birds	Meliphagidae	<i>Philemon citreogularis</i>	little friarbird		C		1
animals	birds	Meliphagidae	<i>Philemon corniculatus</i>	noisy friarbird		C		30
animals	birds	Meliphagidae	<i>Phylidonyris niger</i>	white-cheeked honeyeater		C		5
animals	birds	Meropidae	<i>Merops ornatus</i>	rainbow bee-eater		C		16
animals	birds	Monarchidae	<i>Grallina cyanoleuca</i>	magpie-lark		C		31
animals	birds	Monarchidae	<i>Monarcha melanopsis</i>	black-faced monarch		SL		4
animals	birds	Monarchidae	<i>Myiagra rubecula</i>	leaden flycatcher		C		11
animals	birds	Monarchidae	<i>Symposiachrus trivirgatus</i>	spectacled monarch		SL		6
animals	birds	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian pipit		C		3
animals	birds	Nectariniidae	<i>Dicaeum hirundinaceum</i>	mistletoebird		C		12
animals	birds	Neosittidae	<i>Daphoenositta chrysoptera</i>	varied sittella		C		1
animals	birds	Oriolidae	<i>Oriolus sagittatus</i>	olive-backed oriole		C		18
animals	birds	Oriolidae	<i>Sphecotheres vieilloti</i>	Australasian figbird		C		54
animals	birds	Pachycephalidae	<i>Colluricincla harmonica</i>	grey shrike-thrush		C		18



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animals	birds	Pachycephalidae	<i>Colluricincla megarhyncha</i>	little shrike-thrush		C		15
animals	birds	Pachycephalidae	<i>Pachycephala olivacea</i>	olive whistler		C		1
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis</i>	golden whistler		C		24
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis youngi</i>	golden whistler (south-eastern Australia)		C		1
animals	birds	Pachycephalidae	<i>Pachycephala rufiventris</i>	rufous whistler		C		19
animals	birds	Pardalotidae	<i>Pardalotus striatus</i>	striated pardalote		C		31
animals	birds	Passeridae	<i>Passer domesticus</i>	house sparrow	Y			7
animals	birds	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian pelican		C		10
animals	birds	Petroicidae	<i>Eopsaltria australis</i>	eastern yellow robin		C		24
animals	birds	Petroicidae	<i>Tregellasia capito</i>	pale-yellow robin		C		1
animals	birds	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	little pied cormorant		C		4
animals	birds	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	great cormorant		C		1
animals	birds	Phalacrocoracidae	<i>Phalacrocorax sulcirostris</i>	little black cormorant		C		11
animals	birds	Phalacrocoracidae	<i>Phalacrocorax varius</i>	pied cormorant		C		6
animals	birds	Phasianidae	<i>Synoicus ypsilophorus</i>	brown quail		C		3
animals	birds	Pittidae	<i>Pitta versicolor</i>	noisy pitta		C		1
animals	birds	Podargidae	<i>Podargus strigoides</i>	tawny frogmouth		C		5
animals	birds	Podicipedidae	<i>Poliocephalus poliocephalus</i>	hoary-headed grebe		C		1
animals	birds	Podicipedidae	<i>Tachybaptus novaehollandiae</i>	Australasian grebe		C		4
animals	birds	Procellariidae	<i>Pachyptila turtur</i>	fairy prion		C		2/2
animals	birds	Psittacidae	<i>Alisterus scapularis</i>	Australian king-parrot		C		4
animals	birds	Psittacidae	<i>Aprosmictus erythropterus</i>	red-winged parrot		C		1
animals	birds	Psittacidae	<i>Platycercus adscitus</i>	pale-headed rosella		C		17
animals	birds	Psittacidae	<i>Platycercus adscitus palliceps</i>	pale-headed rosella (southern form)		C		4
animals	birds	Psittacidae	<i>Trichoglossus chlorolepidotus</i>	scaly-breasted lorikeet		C		31
animals	birds	Psittacidae	<i>Trichoglossus moluccanus</i>	rainbow lorikeet		C		69
animals	birds	Psophodidae	<i>Psophodes olivaceus</i>	eastern whipbird		C		26
animals	birds	Ptilonorhynchidae	<i>Ailuroedus crassirostris</i>	green catbird		C		6
animals	birds	Rallidae	<i>Fulica atra</i>	Eurasian coot		C		3
animals	birds	Rallidae	<i>Gallinula tenebrosa</i>	dusky moorhen		C		12
animals	birds	Rallidae	<i>Gallirallus philippensis</i>	buff-banded rail		C		1
animals	birds	Rallidae	<i>Porphyrio melanotus</i>	purple swamphen		C		8
animals	birds	Rhipiduridae	<i>Rhipidura albiscapa</i>	grey fantail		C		24
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys</i>	willie wagtail		C		21
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys leucophrys</i>	willie wagtail (southern)		C		1
animals	birds	Rhipiduridae	<i>Rhipidura rufifrons</i>	rufous fantail		SL		11
animals	birds	Scolopacidae	<i>Actitis hypoleucos</i>	common sandpiper		SL		1
animals	birds	Scolopacidae	<i>Calidris acuminata</i>	sharp-tailed sandpiper		SL		1
animals	birds	Scolopacidae	<i>Gallinago hardwickii</i>	Latham's snipe		SL		1
animals	birds	Strigidae	<i>Ninox boobook</i>	southern boobook		C		5
animals	birds	Sturnidae	<i>Acridotheres tristis</i>	common myna	Y			2
animals	birds	Sturnidae	<i>Sturnus vulgaris</i>	common starling	Y			2
animals	birds	Threskiornithidae	<i>Platalea regia</i>	royal spoonbill		C		4
animals	birds	Threskiornithidae	<i>Plegadis falcinellus</i>	glossy ibis		SL		2
animals	birds	Threskiornithidae	<i>Threskiornis molucca</i>	Australian white ibis		C		20

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animals	birds	Threskiornithidae	<i>Threskiornis spinicollis</i>	straw-necked ibis		C		6
animals	birds	Timaliidae	<i>Zosterops lateralis</i>	silveryeye		C		42
animals	birds	Timaliidae	<i>Zosterops lateralis cornwalli</i>	silveryeye (eastern)		C		1
animals	insects	Hesperiidae	<i>Euschemon rafflesia rafflesia</i>	regent skipper (southern subspecies)				2
animals	insects	Nymphalidae	<i>Danaus plexippus</i>	monarch	Y			5
animals	insects	Nymphalidae	<i>Euploea corinna</i>	common crow				5
animals	insects	Nymphalidae	<i>Hypocysta metirius</i>	brown ringlet				2
animals	insects	Nymphalidae	<i>Melanitis leda bankia</i>	evening brown				6
animals	insects	Nymphalidae	<i>Tirumala hamata hamata</i>	blue tiger				1
animals	insects	Nymphalidae	<i>Tisiphone abeona rawnsleyi</i>	varied sword-grass brown (Queensland subspecies)				2
animals	insects	Papilionidae	<i>Graphium choredon</i>	blue triangle				3
animals	insects	Papilionidae	<i>Papilio aegaeus aegaeus</i>	orchard swallowtail (Australian subspecies)				2
animals	insects	Pieridae	<i>Catopsilia pomona</i>	lemon migrant				4
animals	insects	Pieridae	<i>Delias argenthona argenthona</i>	scarlet jezebel				1
animals	insects	Pieridae	<i>Delias nigrina</i>	black jezebel				1
animals	insects	Pieridae	<i>Eurema hecabe</i>	large grass-yellow				1
animals	mammals	Canidae	<i>Canis familiaris</i>	dog	Y			4
animals	mammals	Canidae	<i>Vulpes vulpes</i>	red fox	Y			4
animals	mammals	Dasyuridae	<i>Antechinus flavipes flavipes</i>	yellow-footed antechinus (south-east Queensland)			C	3
animals	mammals	Dasyuridae	<i>Planigale maculata</i>	common planigale			C	1
animals	mammals	Emballonuridae	<i>Saccolaimus flaviventris</i>	yellow-bellied sheath-tail bat			C	1
animals	mammals	Felidae	<i>Felis catus</i>	cat	Y			2
animals	mammals	Macropodidae	<i>Macropus giganteus</i>	eastern grey kangaroo			C	2
animals	mammals	Macropodidae	<i>Wallabia bicolor</i>	swamp wallaby			C	5
animals	mammals	Miniopteridae	<i>Miniopterus australis</i>	little bent-wing bat			C	2
animals	mammals	Molossidae	<i>Austronomus australis</i>	white-striped freetail bat			C	4
animals	mammals	Muridae	<i>Melomys burtoni</i>	grassland melomys			C	1
animals	mammals	Muridae	<i>Melomys cervinipes</i>	fawn-footed melomys			C	2
animals	mammals	Muridae	<i>Mus musculus</i>	house mouse	Y			4
animals	mammals	Muridae	<i>Rattus fuscipes</i>	bush rat			C	1
animals	mammals	Muridae	<i>Rattus lutreolus</i>	swamp rat			C	1
animals	mammals	Muridae	<i>Rattus rattus</i>	black rat	Y			4
animals	mammals	Muridae	<i>Xeromys myoides</i>	water mouse		V	V	1
animals	mammals	Peramelidae	<i>Isodon macrourus</i>	northern brown bandicoot			C	3
animals	mammals	Peramelidae	<i>Perameles nasuta</i>	long-nosed bandicoot			C	2
animals	mammals	Petauridae	<i>Petaurus breviceps sensu lato</i>	sugar glider			C	1
animals	mammals	Phalangeridae	<i>Trichosurus vulpecula</i>	common brushtail possum			C	2
animals	mammals	Phascolarctidae	<i>Phascolarctos cinereus</i>	koala		V	V	10
animals	mammals	Pseudocheiridae	<i>Pseudocheirus peregrinus</i>	common ringtail possum			C	5
animals	mammals	Pteropodidae	<i>Pteropus alecto</i>	black flying-fox			C	18
animals	mammals	Pteropodidae	<i>Pteropus poliocephalus</i>	grey-headed flying-fox			C	14
animals	mammals	Pteropodidae	<i>Pteropus scapulatus</i>	little red flying-fox			C	5
animals	mammals	Pteropodidae	<i>Pteropus sp.</i>				C	2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	mammals	Vespertilionidae	<i>Chalinolobus morio</i>	chocolate wattled bat		C		1
animals	mammals	Vespertilionidae	<i>Chalinolobus nigrogriseus</i>	hoary wattled bat		C		1
animals	mammals	Vespertilionidae	<i>Vespadelus darlingtoni</i>	large forest bat		C		1
animals	reptiles	Agamidae	<i>Intellagama lesueurii</i>	eastern water dragon		C		4
animals	reptiles	Agamidae	<i>Pogona barbata</i>	bearded dragon		C		3
animals	reptiles	Boidae	<i>Antaresia maculosa</i>	spotted python		C		1
animals	reptiles	Boidae	<i>Morelia spilota</i>	carpet python		C		2
animals	reptiles	Chelidae	<i>Emydura macquarii macquarii</i>	Murray turtle		C		1
animals	reptiles	Colubridae	<i>Dendrelaphis punctulatus</i>	green tree snake		C		1
animals	reptiles	Elapidae	<i>Acanthophis antarcticus</i>	common death adder		V		1/1
animals	reptiles	Elapidae	<i>Cacophis harriettae</i>	white-crowned snake		C		1/1
animals	reptiles	Elapidae	<i>Cacophis krefftii</i>	dwarf crowned snake		C		2
animals	reptiles	Elapidae	<i>Cryptophis nigrescens</i>	eastern small-eyed snake		C		1
animals	reptiles	Elapidae	<i>Demansia psammophis</i>	yellow-faced whipsnake		C		1
animals	reptiles	Elapidae	<i>Tropidechis carinatus</i>	rough-scaled snake		C		1
animals	reptiles	Gekkonidae	<i>Hemidactylus frenatus</i>	house gecko	Y			2
animals	reptiles	Pygopodidae	<i>Pygopus lepidopodus</i>	common scaly-foot		C		1/1
animals	reptiles	Scincidae	<i>Anomalopus verreauxii</i>	three-clawed worm-skink		C		4
animals	reptiles	Scincidae	<i>Bellatorias major</i>	land mullet		C		1
animals	reptiles	Scincidae	<i>Calyptotis scutirostrum</i>	scute-snouted calyptotis		C		2
animals	reptiles	Scincidae	<i>Carlia vivax</i>	tussock rainbow-skink		C		2
animals	reptiles	Scincidae	<i>Coeranoscincus reticulatus</i>	three-toed snake-tooth skink		C	V	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		2
animals	reptiles	Scincidae	<i>Cyclodomorphus gerrardii</i>	pink-tongued lizard		C		1
animals	reptiles	Scincidae	<i>Eroticoscincus graciloides</i>	elf skink		C		2
animals	reptiles	Scincidae	<i>Lampropholis delicata</i>	dark-flecked garden sunskink		C		6
animals	reptiles	Scincidae	<i>Ophioscincus truncatus</i>	short-limbed snake-skink		C		2
animals	reptiles	Scincidae	<i>Saproscincus challengerii</i>	orange-tailed shadeskink		C		1
animals	reptiles	Scincidae	<i>Tiliqua scincoides</i>	eastern blue-tongued lizard		C		3
animals	reptiles	Typhlopidae	<i>Anilius silvia</i>	striped blind snake			NT	1
animals	reptiles	Typhlopidae	<i>Anilius sp.</i>			C		2
animals	reptiles	Varanidae	<i>Varanus varius</i>	lace monitor		C		6
fungi	Agaricomycetes	Agaricaceae	<i>Agaricus augustus</i>			C		1/1
fungi	Agaricomycetes	Boletaceae	<i>Strobilomyces</i>					1/1
fungi	lecanoromycetes	Nephromataceae	<i>Nephroma helveticum</i>			C		1/1
plants	land plants	Acanthaceae	<i>Avicennia marina subsp. australasica</i>			C		1
plants	land plants	Acanthaceae	<i>Graptophyllum reticulatum</i>	reticulated holly		E	E	8/8
plants	land plants	Anacardiaceae	<i>Euroschinus falcata var. angustifolia</i>			C		1
plants	land plants	Apiaceae	<i>Platysace lanceolata</i>			C		1/1
plants	land plants	Apocynaceae	<i>Alyxia magnifolia</i>			C		3/3
plants	land plants	Apocynaceae	<i>Parsonsia straminea</i>	monkey rope		C		2
plants	land plants	Apocynaceae	<i>Tabernaemontana pandacaqui</i>	banana bush		C		1
plants	land plants	Araceae	<i>Colocasia esculenta</i>	taro	Y			1/1
plants	land plants	Araliaceae	<i>Polyscias murrayi</i>			C		1
plants	land plants	Areaceae	<i>Archontophoenix cunninghamiana</i>	piccabeen palm		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Aristolochiaceae	<i>Pararistolochia praevenosa</i>				NT	2/2
plants	land plants	Asparagaceae	<i>Asparagus aethiopicus</i>	ground asparagus	Y			1
plants	land plants	Asteraceae	<i>Ageratum</i>					1
plants	land plants	Asteraceae	<i>Bidens pilosa</i>		Y			1
plants	land plants	Asteraceae	<i>Chrysocephalum apiculatum</i>	yellow buttons			C	1/1
plants	land plants	Asteraceae	<i>Montanoa hibiscifolia</i>		Y			1/1
plants	land plants	Asteraceae	<i>Picris angustifolia subsp. carolorum-henricorum</i>				C	1/1
plants	land plants	Asteraceae	<i>Sphagneticola trilobata</i>		Y			1
plants	land plants	Balsaminaceae	<i>Impatiens walleriana</i>	balsam	Y			1
plants	land plants	Bignoniaceae	<i>Tecoma stans var. stans</i>		Y			1
plants	land plants	Blechnaceae	<i>Telmatoblechnum indicum</i>				C	1
plants	land plants	Bryaceae	<i>Rosulabryum subfasciculatum</i>				C	1/1
plants	land plants	Campanulaceae	<i>Lobelia quadrangularis</i>				C	1/1
plants	land plants	Casuarinaceae	<i>Allocasuarina littoralis</i>				C	2
plants	land plants	Casuarinaceae	<i>Casuarina glauca</i>	swamp she-oak			C	1
plants	land plants	Celastraceae	<i>Denhamia celastroides</i>	broad-leaved boxwood			C	1/1
plants	land plants	Chenopodiaceae	<i>Enchylaena tomentosa var. glabra</i>				C	1
plants	land plants	Chenopodiaceae	<i>Salicornia quinqueflora subsp. quinqueflora</i>				C	1
plants	land plants	Commelinaceae	<i>Commelina diffusa</i>	wandering jew			C	2
plants	land plants	Convolvulaceae	<i>Ipomoea alba</i>	moon flower	Y			1/1
plants	land plants	Corynocarpaceae	<i>Corynocarpus rupestris subsp. arborescens</i>	southern corynocarpus			V	1/1
plants	land plants	Cyperaceae	<i>Baumea</i>					1
plants	land plants	Cyperaceae	<i>Cyperus</i>					1
plants	land plants	Cyperaceae	<i>Eleocharis</i>					2
plants	land plants	Cyperaceae	<i>Gahnia aspera</i>				C	1/1
plants	land plants	Cyperaceae	<i>Gahnia clarkei</i>	tall sawsedge			C	2
plants	land plants	Cyperaceae	<i>Gahnia sieberiana</i>	sword grass			C	1
plants	land plants	Cyperaceae	<i>Machaerina juncea</i>				C	1
plants	land plants	Cyperaceae	<i>Machaerina rubiginosa</i>				C	2/1
plants	land plants	Cyperaceae	<i>Schoenus brevifolius</i>				C	1
plants	land plants	Cyperaceae	<i>Schoenus calostachyus</i>				C	1
plants	land plants	Cyperaceae	<i>Scleria tricuspidata</i>				C	1/1
plants	land plants	Dennstaedtiaceae	<i>Hypolepis muelleri</i>	swamp bracken			C	1
plants	land plants	Dennstaedtiaceae	<i>Pteridium esculentum</i>	common bracken			C	2
plants	land plants	Dilleniaceae	<i>Hibbertia scandens var. glabra</i>				C	1
plants	land plants	Dilleniaceae	<i>Hibbertia vestita</i>				C	1
plants	land plants	Dracaenaceae	<i>Sansevieria trifasciata</i>	mother-in-law's tongue	Y			1
plants	land plants	Ebenaceae	<i>Diospyros</i>					1
plants	land plants	Elaeocarpaceae	<i>Elaeocarpus obovatus subsp. obovatus</i>				C	1/1
plants	land plants	Elaeocarpaceae	<i>Elaeocarpus reticulatus</i>	ash quandong			C	1/1
plants	land plants	Ericaceae	<i>Epacris obtusifolia</i>	common heath			C	1
plants	land plants	Ericaceae	<i>Sprengelia sprengelioides</i>	sprengelia			C	1
plants	land plants	Ericaceae	<i>Styphelia leptospermoides</i>				C	1
plants	land plants	Euphorbiaceae	<i>Excoecaria agallocha</i>	milky mangrove			C	1
plants	land plants	Euphorbiaceae	<i>Macaranga tanarius</i>	macaranga			C	1
plants	land plants	Euphorbiaceae	<i>Ricinocarpus pinifolius</i>	wedding bush			C	1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Fabroniaceae	<i>Fabronia scottiae</i>			C		1/1
plants	land plants	Flagellariaceae	<i>Flagellaria indica</i>	whip vine		C		1
plants	land plants	Gleicheniaceae	<i>Dicranopteris linearis</i> var. <i>linearis</i>			C		1/1
plants	land plants	Gleicheniaceae	<i>Gleichenia dicarpa</i>	pouched coral fern		C		1
plants	land plants	Goodeniaceae	<i>Goodenia</i>					1
plants	land plants	Goodeniaceae	<i>Goodenia</i> sp. (Mt Castletower M.D.Crisp 2753)			C		1
plants	land plants	Haloragaceae	<i>Gonocarpus humilis</i>			C		1/1
plants	land plants	Haloragaceae	<i>Gonocarpus teucrioides</i>			C		1/1
plants	land plants	Hemerocallidaceae	<i>Dianella caerulea</i>			C		2
plants	land plants	Iridaceae	<i>Patersonia</i>					1
plants	land plants	Iridaceae	<i>Patersonia fragilis</i>			C		1
plants	land plants	Juncaceae	<i>Juncus</i>					1
plants	land plants	Juncaceae	<i>Juncus cognatus</i>		Y			1/1
plants	land plants	Juncaceae	<i>Juncus kraussii</i> subsp. <i>australiensis</i>			C		1
plants	land plants	Lauraceae	<i>Cinnamomum camphora</i>	camphor laurel	Y			1
plants	land plants	Lauraceae	<i>Cryptocarya glaucescens</i>			C		1
plants	land plants	Laxmanniaceae	<i>Cordyline rubra</i>	red-fruited palm lily		C		1
plants	land plants	Laxmanniaceae	<i>Lomandra longifolia</i>			C		3
plants	land plants	Laxmanniaceae	<i>Sowerbaea juncea</i>	vanilla plant		C		1
plants	land plants	Leguminosae	<i>Acacia</i>					1
plants	land plants	Leguminosae	<i>Acacia attenuata</i>			V	V	4/2
plants	land plants	Leguminosae	<i>Acacia baueri</i> subsp. <i>baueri</i>	tiny wattle		V		1/1
plants	land plants	Leguminosae	<i>Acacia disparrima</i>			C		1
plants	land plants	Leguminosae	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>			C		1
plants	land plants	Leguminosae	<i>Acacia melanoxylon</i>	blackwood		C		1
plants	land plants	Leguminosae	<i>Acacia oshanesii</i>			C		1/1
plants	land plants	Leguminosae	<i>Canavalia rosea</i>	coastal jack bean		C		1/1
plants	land plants	Leguminosae	<i>Crotalaria trichotoma</i>		Y			1/1
plants	land plants	Leguminosae	<i>Delonix regia</i>	poinciana	Y			1
plants	land plants	Leguminosae	<i>Desmodium uncinatum</i>		Y			1
plants	land plants	Leguminosae	<i>Glycine tabacina</i>	glycine pea		C		1/1
plants	land plants	Leguminosae	<i>Hovea acutifolia</i>			C		2/2
plants	land plants	Leguminosae	<i>Leucaena leucocephala</i>		Y			1
plants	land plants	Leguminosae	<i>Mezoneuron scortechinii</i>			C		1/1
plants	land plants	Leguminosae	<i>Mirbelia rubiifolia</i>	heathy mirbelia		C		1
plants	land plants	Leguminosae	<i>Oxylobium robustum</i>	tree shaggy pea		C		1/1
plants	land plants	Leguminosae	<i>Phyllota phyllicoides</i>	yellow peabush		C		1
plants	land plants	Leguminosae	<i>Pultenaea</i>					1
plants	land plants	Leguminosae	<i>Pultenaea villosa</i>	hairy bush pea		C		1/1
plants	land plants	Leguminosae	<i>Senna pendula</i> var. <i>glabrata</i>	Easter cassia	Y			1
plants	land plants	Lejeuneaceae	<i>Spruceanthus thozetianus</i>			C		1/1
plants	land plants	Leucobryaceae	<i>Leucobryum</i> sp. (Brisbane C.J.Wild AQ499436)			C		2/2
plants	land plants	Loranthaceae	<i>Lysiana</i>					1
plants	land plants	Melastomataceae	<i>Melastoma</i>					1
plants	land plants	Meliaceae	<i>Synoum glandulosum</i> subsp. <i>glandulosum</i>			C		1/1
plants	land plants	Monimiaceae	<i>Wilkiea huegeliana</i>	veiny wilkiea		C		1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Moraceae	<i>Ficus</i>					1
plants	land plants	Moraceae	<i>Ficus virens var. virens</i>			C		1/1
plants	land plants	Myrtaceae	<i>Backhousia leptopetala</i>			C		3/3
plants	land plants	Myrtaceae	<i>Baeckea frutescens</i>			C		1
plants	land plants	Myrtaceae	<i>Corymbia intermedia</i>	pink bloodwood		C		1
plants	land plants	Myrtaceae	<i>Corymbia torelliana</i>	cadaghi		C		1
plants	land plants	Myrtaceae	<i>Corymbia trachyphloia subsp. trachyphloia</i>			C		1
plants	land plants	Myrtaceae	<i>Eucalyptus grandis</i>	flooded gum		C		1
plants	land plants	Myrtaceae	<i>Eucalyptus microcorys</i>			C		2
plants	land plants	Myrtaceae	<i>Eucalyptus pilularis</i>	blackbutt		C		1
plants	land plants	Myrtaceae	<i>Eucalyptus resinifera</i>	red mahogany		C		1
plants	land plants	Myrtaceae	<i>Eucalyptus tereticornis</i>			C		2
plants	land plants	Myrtaceae	<i>Gossia hillii</i>			C		1/1
plants	land plants	Myrtaceae	<i>Homoranthus virgatus</i>	twiggy homoranthus		C		1/1
plants	land plants	Myrtaceae	<i>Leptospermum polygalifolium</i>	tantoon		C		1
plants	land plants	Myrtaceae	<i>Leptospermum whitei</i>			C		1/1
plants	land plants	Myrtaceae	<i>Lophostemon confertus</i>	brush box		C		1
plants	land plants	Myrtaceae	<i>Lophostemon suaveolens</i>	swamp box		C		1
plants	land plants	Myrtaceae	<i>Melaleuca bracteata</i>			C		1
plants	land plants	Myrtaceae	<i>Melaleuca pachyphylla</i>			C		1
plants	land plants	Myrtaceae	<i>Melaleuca quinquenervia</i>	swamp paperbark		C		1
plants	land plants	Myrtaceae	<i>Syncarpia glomulifera subsp. glomulifera</i>			C		2
plants	land plants	Nephrolepidaceae	<i>Nephrolepis cordifolia</i>	fishbone fern		C		1
plants	land plants	Ochnaceae	<i>Ochna serrulata</i>	ochna	Y			1
plants	land plants	Orchidaceae	<i>Corybas barbarae</i>	helmet orchid		C		1/1
plants	land plants	Orthotrichaceae	<i>Macromitrium ligulare</i>			C		1/1
plants	land plants	Osmundaceae	<i>Todea barbara</i>	king fern		C		1/1
plants	land plants	Phyllanthaceae	<i>Glochidion ferdinandi var. ferdinandi</i>			C		1
plants	land plants	Picrodendraceae	<i>Pseudanthus orientalis</i>			C		1/1
plants	land plants	Pinaceae	<i>Pinus elliotii</i>	slash pine	Y			1
plants	land plants	Poaceae	<i>Bothriochloa</i>					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		1
plants	land plants	Poaceae	<i>Cynodon dactylon</i>		Y			1
plants	land plants	Poaceae	<i>Cynodon dactylon var. dactylon</i>		Y			1
plants	land plants	Poaceae	<i>Entolasia stricta</i>	wiry panic		C		1
plants	land plants	Poaceae	<i>Imperata cylindrica</i>	blady grass		C		1
plants	land plants	Poaceae	<i>Panicum effusum</i>			C		1
plants	land plants	Poaceae	<i>Phragmites australis</i>	common reed		C		1
plants	land plants	Poaceae	<i>Sporobolus virginicus</i>	sand couch		C		1
plants	land plants	Poaceae	<i>Stenotaphrum secundatum</i>	buffalo grass	Y			1
plants	land plants	Poaceae	<i>Themeda triandra</i>	kangaroo grass		C		1
plants	land plants	Proteaceae	<i>Banksia robur</i>	broad-leaved banksia		C		1
plants	land plants	Proteaceae	<i>Hakea actites</i>			C		1
plants	land plants	Proteaceae	<i>Macadamia integrifolia</i>	macadamia nut		V	V	1/1
plants	land plants	Proteaceae	<i>Macadamia ternifolia</i>	bopple nut		V	V	3/3



Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Proteaceae	<i>Persoonia tenuifolia</i>			C		1
plants	land plants	Proteaceae	<i>Persoonia virgata</i>	small-leaved geebung		C		1
plants	land plants	Proteaceae	<i>Strangea linearis</i>	strangea		C		1
plants	land plants	Racopilaceae	<i>Racopilum cuspidigerum</i> var. <i>convolutaceum</i>			C		1/1
plants	land plants	Restionaceae	<i>Baloskion pallens</i>			C		1
plants	land plants	Restionaceae	<i>Empodisma minus</i>	spreading rope rush		C		1
plants	land plants	Rhamnaceae	<i>Alphitonia excelsa</i>	soap tree		C		2
plants	land plants	Rhizophoraceae	<i>Bruguiera gymnorhiza</i>	large-fruited orange mangrove		C		1
plants	land plants	Rubiaceae	<i>Coffea arabica</i>	Arabian coffee	Y			1/1
plants	land plants	Rubiaceae	<i>Cyclophyllum longipetalum</i>			C		1/1
plants	land plants	Rutaceae	<i>Acronychia wilcoxiana</i>	silver aspen		C		1/1
plants	land plants	Rutaceae	<i>Boronia falcifolia</i>	wallum boronia		C		1
plants	land plants	Rutaceae	<i>Bosistoa transversa</i>	three-leaved bosistoa		C	V	1/1
plants	land plants	Rutaceae	<i>Flindersia bennettii</i>			C		1/1
plants	land plants	Rutaceae	<i>Zieria exsul</i>	banished stink bush		CR		12/11
plants	land plants	Rutaceae	<i>Zieria minutiflora</i> subsp. <i>minutiflora</i>			C		3/3
plants	land plants	Santalaceae	<i>Exocarpos</i>					1
plants	land plants	Sapindaceae	<i>Alectryon coriaceus</i>	beach alectryon		C		1
plants	land plants	Sapindaceae	<i>Cupaniopsis anacardioides</i>	tuckeroo		C		1
plants	land plants	Sapindaceae	<i>Jagera pseudorhus</i> var. <i>pseudorhus</i>			C		1
plants	land plants	Sapotaceae	<i>Chrysophyllum oliviforme</i>		Y			1/1
plants	land plants	Scrophulariaceae	<i>Myoporum acuminatum</i>	coastal boobialla		C		1
plants	land plants	Sematophyllaceae	<i>Sematophyllum subhumile</i>			C		1/1
plants	land plants	Smilacaceae	<i>Smilax australis</i>	barbed-wire vine		C		1
plants	land plants	Smilacaceae	<i>Smilax glyciophylla</i>	sweet sarsaparilla		C		1/1
plants	land plants	Solanaceae	<i>Solanum mauritianum</i>	wild tobacco	Y			1
plants	land plants	Solanaceae	<i>Solanum torvum</i>	devil's fig	Y			1
plants	land plants	Sterculiaceae	<i>Brachychiton bidwillii</i>	little kurrajong		C		2/2
plants	land plants	Symplocaceae	<i>Symplocos stawellii</i>			C		1/1
plants	land plants	Thymelaeaceae	<i>Pimelea linifolia</i> subsp. <i>linifolia</i>			C		1
plants	land plants	Verbenaceae	<i>Lantana camara</i>	lantana	Y			1
plants	land plants	Viburnaceae	<i>Sambucus australasica</i>	native elderberry		C		1/1
plants	land plants	Violaceae	<i>Viola hederacea</i>			C		1/1
plants	land plants	Viscaceae	<i>Viscum articulatum</i>	flat mistletoe		C		1
plants	land plants	Vitaceae	<i>Causonis clematidea</i>			C		1/1
plants	land plants	Xanthorrhoeaceae	<i>Xanthorrhoea fulva</i>	swamp grasstree		C		1
plants	land plants	Zamiaceae	<i>Macrozamia lucida</i>	pineapple zamia		C		1/1

## 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).

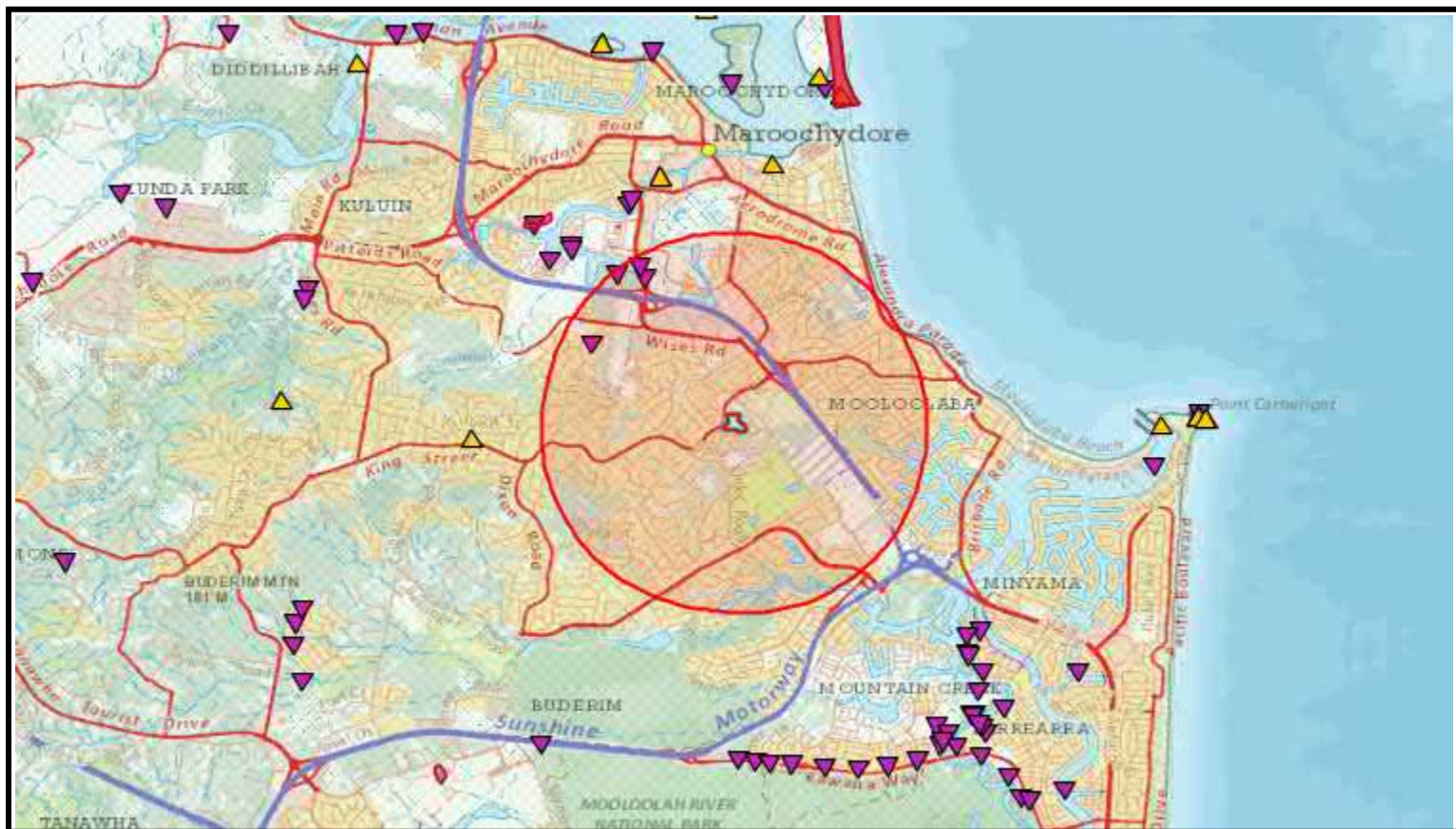
This number is output as 99999 if it equals or exceeds this value. A second number located after a / indicates the number of specimen records for the taxon.

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

## Appendix F **Cultural Heritage Database and Register**

### Lot on Plan Search

Reference Number:	106738
Lot:	742
Plan:	CG4224
LGA:	Sunshine Coast Regional
Buffer Distance:	2000 metres



Cultural heritage site points for the area are:

Site ID	Latitude	Longitude	Record Date	Attribute	Party
KC:B53	-26.672923	153.078451	Jan 20, 1984	Artefact Scatter	Kabi Kabi First Nation Traditional Owners Native Title Claim Group
KC:G61	-26.666399	153.083729	Jan 9, 2003	Artefact Scatter	Kabi Kabi First Nation Traditional Owners Native Title Claim Group

## Lot on Plan Search

Cultural heritage site points for the area are:

Site ID	Latitude	Longitude	Record Date	Attribute	Party
KC:G62	-26.665289	153.083306	Jan 9, 2003	Artefact Scatter	Kabi Kabi First Nation Traditional Owners Native Title Claim Group
KC:G68	-26.666058	153.080955	Jan 9, 2003	Resource Area	Kabi Kabi First Nation Traditional Owners Native Title Claim Group

There are no Aboriginal or Torres Strait Islander cultural heritage site polygons recorded in your specific search area.

Cultural heritage party for the area is:

QC Ref Number	QUD Ref Number	Party Name	Contact Details
QC2018/007	QUD20/2019	Kabi Kabi First Nation Traditional Owners Native Title Claim Group	Kabi Kabi First Nation Traditional Owners Native Title Claim Group Queensland South Native Title Services PO Box 10832 BRISBANE QLD 4000  Free Call: 1800 663 693 Phone (07) 3224 1200 Email: reception@qsnts.com.au

Cultural heritage body for the area is:

Body Name	Contact Details
Kabi Kabi People Aboriginal Corporation	Kabi Kabi Peoples Aboriginal Corporation PO Box 713 CALOUNDRA QLD 4551  Mobile: 0435 599 859 Email: b.warner@outlook.com

There are no cultural heritage management plans recorded in your specific search area.

There are no Designated Landscape Areas (DLA) recorded in your specific search area.

There are no Registered Cultural Heritage Study Areas recorded in your specific search area.

## Lot on Plan Search

## Regional Coordinator:

Name	Position	Phone	Mobile	Email
Andrew Rutch	Cultural Heritage Coordinator Southern Region	07 3003 6446	0459 840 294	Andrew.Rutch@dssdsatsip.qld.gov.au

**Disclaimer:** The Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships is the custodian of spatial data provided by various third parties for inclusion in the Aboriginal and Torres Strait Islander cultural heritage online portal. This includes spatial data provided by the National Native Title Tribunal and Aboriginal and Torres Strait Islander parties. Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships is not responsible for the accuracy of information provided by third parties or any errors in this search report arising from such information.

**Map Datum:** Geographic Latitude & Longitude (GDA2020)



## Lot on Plan Search

I refer to your submission in which you requested advice regarding Aboriginal or Torres Strait Islander cultural heritage recorded at your nominated location.

The Cultural Heritage Database and Register have been searched in accordance with the location description provided, and the results are set out in the above report.

Aboriginal or Torres Strait Islander cultural heritage which may exist within the search area is protected under the terms of the *Aboriginal Cultural Heritage Act 2003* and the *Torres Strait Islander Cultural Heritage Act 2003*, even if the Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships has no records relating to it.

Under the legislation a person carrying out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal or Torres Strait Islander cultural heritage. This applies whether or not such places are recorded in an official register and whether or not they are located on private land.

Please refer to our website <https://www.dsdsatsip.qld.gov.au/people-communities/aboriginal-torres-strait-islander-cultural-heritage> for a copy of the gazetted Cultural Heritage Duty of Care Guidelines, which set out reasonable and practicable measure for meeting the cultural heritage duty of care.

In order to meet your duty of care, any land-use activity within the vicinity of recorded cultural heritage should not proceed without the agreement of the Aboriginal or Torres Strait Islander Party for the area, or by developing a Cultural Heritage Management Plan under Part 7 of the legislation.

If your proposed activity is deemed a Category 5 activity pursuant to the Duty of Care Guidelines, there is generally a high risk that it may harm cultural heritage. In these circumstances, the activity should not proceed without cultural heritage assessment.

Where a Category 5 activity is proposed that may impact on features set out in Paragraph 6 of the Guidelines, it is necessary to notify the Aboriginal or Torres Strait Islander Party and seek:

- a. Advice as to whether the area is culturally significant;
- b. If it is, agreement on how best the activity may be managed to avoid or minimise harm to any cultural heritage values.

The features set out in Paragraph 6 include:

- Rock outcrops

## Lot on Plan Search

- Caves
- Foreshores and coastal dunes
- Sand Hills
- Areas of biogeographical significance, such as natural wetlands
- Permanent and semi-permanent waterholes, natural springs
- Native vegetation
- Some hill and mound formations

The extent to which the person has complied with Cultural Heritage Duty of Care Guidelines and the extent the person consulted Aboriginal or Torres Strait Islander Parties about carrying out the activity – and the results of the consultation – are factors a court may consider when determining if a land user has complied with the cultural heritage duty of care.

Should you have any further queries, please do not hesitate to contact the Search Approval Officer on 1300 378 401.

Kind regards



The Director  
Cultural Heritage | Community Participation | Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships