



**APPENDIX F DESKTOP ASSESSMENT**





Queensland Government

Department of Environment and Science

Environmental Reports

## **Biodiversity and Conservation Values**

***Biodiversity Planning Assessments and Aquatic Conservation Assessments***

For the selected area of interest  
epp: 2048

## Environmental Reports - General Information

The Environmental Reports portal provides for the assessment of selected matters of interest relevant to a user specified location, or Area of Interest (AOI). All area and derivative figures are relevant to the extent of matters of interest contained within the AOI unless otherwise stated. Please note, if a user selects an AOI via the "Central co-ordinates" option, the resulting assessment area encompasses an area extending from 2km radius from the point of interest.

All area and area derived figures included in this report 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.

Figures in tables may be affected by rounding.

The matters of interest reported on in this document are based upon available state mapped datasets. Where the report indicates that a matter of interest is not present within the AOI (e.g. where area related calculations are equal to zero, or no values are listed), this may be due either to the fact that state mapping has not been undertaken for the AOI, that state mapping is incomplete for the AOI, or that no values have been identified within the site.

The information presented in this report should be considered as a guide only and field survey may be required to validate values on the ground.

Please direct queries about these reports to: [biodiversity.planning@des.qld.gov.au](mailto:biodiversity.planning@des.qld.gov.au)

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## Summary Information

Tables 1 to 8 provide an overview of the AOI with respect to selected topographic and environmental values.

**Table 1: Area of interest details: epp: 2048**

Size (ha)	45,082.88
Local Government(s)	Central Highlands Regional
Bioregion(s)	Brigalow Belt
Subregion(s)	Isaac - Comet Downs, Basalt Downs
Catchment(s)	Fitzroy

The following table identifies available Biodiversity Planning Assessments (BPAs) and Aquatic Conservation Assessments (ACAs) with respect to the AOI.

**Table 2: Available Biodiversity Planning and Aquatic Conservation Assessments**

Assessment Type	Assessment Area and Version
Biodiversity Planning Assessment(s)	Brigalow Belt v2.1
Aquatic Conservation Assessment(s) (riverine)	Great Barrier Reef Catchments v1.1
Aquatic Conservation Assessment(s) (non-riverine)	Great Barrier Reef Catchments v1.3

**Table 3: Remnant regional ecosystems within the AOI as per the Qld Herbarium's 'biodiversity status'**

Biodiversity Status	Area (Ha)	% of AOI
Endangered	1,532.33	3.4
Of concern	2,190.66	4.86
No concern at present	4,938.90	10.96

The following table identifies the extent and proportion of the user specified area of interest (AOI) which is mapped as being of "State", "Regional" or "Local" significance via application of the Queensland Department of Environment and Science's *Biodiversity Assessment and Mapping Methodology* (BAMM).

**Table 4: Summary table, biodiversity significance**

Biodiversity significance	Area (Ha)	% of AOI
State Habitat for EVNT taxa	142.79	0.32
State	5,453.64	12.1
Regional	4,373.71	9.7
Local or Other Values	1,275.88	2.83

**Table 5: Non-riverine wetlands intersecting the AOI**

Non-riverine wetland types intersecting the area of interest	#
Number of Palustrine wetlands	17
Number of Lacustrine wetlands	5
Total number of non-riverine wetlands	22

*NB. The figures presented in the table above are derived from the relevant non-riverine Aquatic Conservation Assessment(s). Later releases of wetland mapping produced via the Queensland Wetland Mapping Program may provide more recent information in regards to wetland extent.*

**Table 6: Named waterways intersecting the AOI**

Name	Permanency
COMET RIVER	Non-perennial
HUMBOLDT CREEK	Non-perennial
ORION CREEK	Non-perennial
SIRIUS CREEK	Non-perennial
SPRINGSURE CREEK	Non-perennial
TEN MILE CREEK	Non-perennial
THREE MILE CREEK	Non-perennial

Refer to **Map 1** for general locality information.

The following two tables identify the extent and proportion of the user specified AOI which is mapped as being of "Very High", "High", "Medium", "Low", or "Very Low" aquatic conservation value for riverine and non-riverine wetlands via application of the Queensland Department of Environment and Science's *Aquatic Biodiversity Assessment and Mapping Method* (AquaBAMM).

**Table 7: Summary table, aquatic conservation significance (riverine)**

Aquatic conservation significance (riverine wetlands)	Area (Ha)	% of AOI
Very High	0.0	0.0
High	8,909.25	19.76
Medium	14,746.60	32.71
Low	0.0	0.0
Very Low	21,427.02	47.53

**Table 8: Summary table, aquatic conservation significance (non-riverine)**

Aquatic conservation significance (non-riverine wetlands)	Area (Ha)	% of AOI
Very High	372.78	0.83
High	5.2	0.01
Medium	25.24	0.06
Low	0.0	0.0
Very Low	26.11	0.06

# Biodiversity Planning Assessments

## Introduction

The Department of Environment and Science (DES) attributes biodiversity significance on a bioregional scale through a Biodiversity Planning Assessment (BPA). A BPA involves the integration of ecological criteria using the *Biodiversity assessment and Mapping Methodology* (BAMM) and is developed in two stages: 1) **diagnostic criteria**, and 2) **expert panel criteria**. The diagnostic criteria are based on existing data which is reliable and uniformly available across a bioregion, while the expert panel criteria allows for the refinement of the mapped information from the diagnostic output by incorporating local knowledge and expert opinion.

The BAMM methodology has application for identifying areas with various levels of significance solely for biodiversity reasons. These include threatened ecosystems or taxa, large tracts of habitat in good condition, ecosystem diversity, landscape context and connection, and buffers to wetlands or other types of habitat important for the maintenance of biodiversity or ecological processes. While natural resource values such as dryland salinity, soil erosion potential or land capability are not dealt with explicitly, they are included to some extent within the biodiversity status of regional ecosystems recognised by the DES.

Biodiversity Planning Assessments (BPAs) assign three levels of overall biodiversity significance.

- **State significance** - areas assessed as being significant for biodiversity at the bioregional or state scales. They also include areas assessed by other studies/processes as being significant at national or international scales. In addition, areas flagged as being of State significance due to the presence of endangered, vulnerable and/or near threatened taxa, are identified as "State Habitat for EVNT taxa".
- **Regional significance** - areas assessed as being significant for biodiversity at the subregional scale. These areas have lower significance for biodiversity than areas assessed as being of State significance.
- **Local significance and/or other values** - areas assessed as not being significant for biodiversity at state or regional scales. Local values are of significance at the local government scale.

For further information on released BPAs and a copy of the underlying methodology, go to:

<http://www.qld.gov.au/environment/plants-animals/biodiversity/planning/>

The GIS results can be downloaded from the Queensland Spatial Catalogue at:

<http://qspatial.information.qld.gov.au/geoportal/>

The following table identifies the extent and proportion of the user specified AOI which is mapped as being of "State", "Regional" or "Local" significance via application of the BAMM.

**Table 9: Summary table, biodiversity significance**

Biodiversity significance	Area (Ha)	% of AOI
State Habitat for EVNT taxa	142.79	0.32
State	5,453.64	12.1
Regional	4,373.71	9.7
Local or Other Values	1,275.88	2.83

Refer to **Map 2** for further information.

## Diagnostic Criteria

Diagnostic criteria are based on existing data which is reliable and uniformly available across a bioregion. These criteria are diagnostic in that they are used to filter the available data and provide a "first-cut" or initial determination of biodiversity significance. This initial assessment is then combined through a second group of other essential criteria.

A description of the individual diagnostic criteria is provided in the following sections.

**Criteria A. Habitat for EVNT taxa:** Classifies areas according to their significance based on the presence of endangered, vulnerable and/or rare (EVNT) taxa. EVNT taxa are those scheduled under the *Nature Conservation Act 1992* and/or the

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*Environment Protection and Biodiversity Conservation Act 1999*. It excludes highly mobile fauna taxa which are instead considered in Criterion H and brings together information on EVNT taxa using buffering of recorded sites or habitat suitability models (HSM) where available.

**Criteria B. Ecosystem value:** Classifies on the basis of biodiversity status of regional ecosystems, their extent in protected areas (presence of poorly conserved regional ecosystems), the presence of significant wetlands; and areas of national importance such as the presence of Threatened Ecological Communities, World Heritage areas and Ramsar sites. Ecosystem value is applied at a bioregional (**B1**) and regional (**B2**) scale.

**Criteria C. Tract size:** Measures the relative size of tracts of vegetation in the landscape. The size of any tract is a major indicator of ecological significance, and is also strongly correlated with the long-term viability of biodiversity values. Larger tracts are less susceptible to ecological edge effects and are more likely to sustain viable populations of native flora and fauna than smaller tracts.

**Criteria D. Relative size of regional ecosystems:** Classifies the relative size of each regional ecosystem unit within its bioregion (**D1**) and its subregion (**D2**). Remnant units are compared with all other occurrences with the same regional ecosystem. Large examples of a regional ecosystem are more significant than smaller examples of the same regional ecosystem because they are more representative of the biodiversity values particular to the regional ecosystem, are more resilient to the effects of disturbance, and constitute a significant proportion of the total area of the regional ecosystem.

**Criteria F. Ecosystem diversity:** Is an indicator of the number of regional ecosystems occurring within an area. An area with high ecosystem diversity will have many regional ecosystems and ecotones relative to other areas within the bioregion.

**Criteria G. Context and connection:** Represents the extent to which a remnant unit incorporates, borders or buffers areas such as significant wetlands, endangered ecosystems; and the degree to which it is connected to other vegetation.

A summary of the biodiversity status based upon the diagnostic criteria is provided in the following table.



**Table 10: Summary of biodiversity significance based upon diagnostic criteria with respect to the AOI**

Biodiversity significance	Description	Area (Ha)	% of AOI
State	Nat. Threatened Ecol. Community (B1)	0.29	0.0
State	Nat. Threatened Ecol. Community (B1) & Remnant contains at least one Of Concern RE (B1)	1,801.35	4.0
State	Remnant contains at least 1 Endangered or 2 Vulnerable or Near Threatened species (A)	18.3	0.04
State	Remnant contains at least 1 Endangered or 2 Vulnerable or Near Threatened species (A) & Nat. Threatened Ecol. Community (B1)	124.48	0.28
State	Remnant contains at least 1 Endangered RE (B1) & Nat. Threatened Ecol. Community (B1)	2,177.05	4.83
State	Remnant contains at least 1 Vulnerable or Near Threatened species (A) & Nat. Threatened Ecol. Community (B1)	909.44	2.02
Regional	Remnant contains at least 1 RE with 10-30 percent extent remaining in the subregion (B2) & Remnant is part of a Tract that is one of the largest in the bioregion (C)	2,166.95	4.81
Regional	Remnant contains at least 1 Vulnerable or Near Threatened species (A)	695.88	1.54
Regional	Remnant contains at least one Of Concern RE (B1)	37.41	0.08
Regional	Remnant is part of a Tract that is one of the largest in the bioregion (C) & Remnant has Ecosystem diversity in the top quartile (F)	2.54	0.01
Regional	Remnant is part of a Tract that is one of the largest in the bioregion (C) & Remnant has high connectivity or buffers an endangered RE or Significant Wetland (G)	595.71	1.32
Local or Other Values	Refer to diagnostic data for additional information	2,290.95	5.08

**Assessment of diagnostic criteria with respect to the AOI**

The following table reflects an assessment of the individual diagnostic criteria noted above in regards to the AOI.

**Table 11: Assessment of individual diagnostic criteria with respect to the AOI**

Diagnostic Criteria	Very High Rating - Area (Ha)	Very High Rating - % of AOI	High Rating - Area (Ha)	High Rating - % of AOI	Medium Rating - Area (Ha)	Medium Rating - % of AOI	Low Rating - Area (Ha)	Low Rating - % of AOI
A: Habitat for EVNT Taxa	142.78	0.3	1,947.46	4.3	7,587.90	16.8	1,142.17	2.5
B1: Ecosystem Value (Bioregion)	5,012.61	11.1	37.41	0.1	3,650.62	8.1		
B2: Ecosystem Value (Subregion)	1,471.28	3.3	5,753.36	12.8	1,476.00	3.3		
C: Tract Size	4,743.18	10.5			748.02	1.7	3,209.44	7.1
D1: Relative RE Size (Bioregion)					874.48	1.9	7,826.16	17.4
D2: Relative RE Size (Subregion)	1,195.04	2.7	391.47	0.9	2,207.83	4.9	4,906.30	10.9

Diagnostic Criteria	Very High Rating - Area (Ha)	Very High Rating - % of AOI	High Rating - Area (Ha)	High Rating - % of AOI	Medium Rating - Area (Ha)	Medium Rating - % of AOI	Low Rating - Area (Ha)	Low Rating - % of AOI
F: Ecosystem Diversity	183.73	0.4	4,677.78	10.4	2,435.37	5.4	1,403.76	3.1
G: Context and Connection	2,014.48	4.5	949.41	2.1	5,181.40	11.5	555.35	1.2

## Other Essential Criteria

Other essential criteria (also known as expert panel criteria) are based on non-uniform information sources and which may rely more upon expert opinion than on quantitative data. These criteria are used to provide a "second-cut" determination of biodiversity significance, which is then combined with the diagnostic criteria for an overall assessment of relative biodiversity significance. A summary of the biodiversity status based upon the other essential criteria is provided in the following table.

**Table 12: Summary of biodiversity significance based upon other essential criteria with respect to the AOI**

Biodiversity significance	Description	Area (Ha)	% of AOI
State	Remnant contains Core Habitat for Priority Taxa (H) & Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I) & Remnant forms part of a bioregional corridor (J)	0.0	0.0
State	Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I)	1,883.68	4.18
State	Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I) & Remnant forms part of a bioregional corridor (J)	1,497.96	3.32
Regional	Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I)	5,714.76	12.68
Regional	Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I) & Remnant forms part of a bioregional corridor (J)	172.79	0.38
Local	Remnant contains Special Biodiversity Values (view Expert Panel data for further information) (I)	36.93	0.08

A description of each of the other essential criteria and associated assessment in regards to the AOI is provided in the following sections.

**Criteria H. Essential and general habitat for priority taxa:** Priority taxa are those which are at risk or of management concern, taxa of scientific interest as relictual (ancient or primitive), endemic taxa or locally significant populations (such as a flying fox camp or heronry), highly specialised taxa whose habitat requirements are complex and distributions are not well correlated with any particular regional ecosystem, taxa important for maintaining genetic diversity (such as complex spatial patterns of genetic variation, geographic range limits, highly disjunct populations), taxa critical for management or monitoring of biodiversity (functionally important or ecological indicators), or economic and culturally important taxa.

**Criteria I. Special biodiversity values:** areas with special biodiversity values are important because they contain multiple taxa in a unique ecological and often highly biodiverse environment. Areas with special biodiversity values can include the following:

- Ia - centres of endemism - areas where concentrations of taxa are endemic to a bioregion or subregion are found.
- Ib - wildlife refugia (Morton *et al.* 1995), for example, islands, mound springs, caves, wetlands, gorges, mountain ranges and topographic isolates, ecological refuges, refuges from exotic animals, and refuges from clearing. The latter may include large areas that are not suitable for clearing because of land suitability/capability.
- Ic - areas with concentrations of disjunct populations.
- Id - areas with concentrations of taxa at the limits of their geographic ranges.

- le - areas with high species richness.
- lf - areas with concentrations of relictual populations (ancient and primitive taxa).
- lg - areas containing REs with distinct variation in species composition associated with geomorphology and other environmental variables.
- lh - an artificial waterbody or managed/manipulated wetland considered by the panel/s to be of ecological significance.
- li - areas with a high density of hollow-bearing trees that provide habitat for animals.
- lj - breeding or roosting sites used by a significant number of individuals.
- lk - climate change refuge.

The following table identifies the value and extent area of the Other Essential Criteria H and I within the AOI.

**Table 13: Relative importance of expert panel criteria (H and I) used to assess overall biodiversity significance with respect to the AOI**

Expert Panel	Very High Rating - Area (Ha)	Very High Rating - % of AOI	High Rating - Area (Ha)	High Rating - % of AOI	Medium Rating - Area (Ha)	Medium Rating - % of AOI	Low Rating - Area (Ha)	Low Rating - % of AOI
H: Core Habitat Priority Taxa								
Ia: Centres of Endemism								
Ib: Wildlife Refugia	2,085.76	4.6	7,183.46	15.9	36.93	0.1		
Ic: Disjunct Populations								
Id: Limits of Geographic Ranges								
Ie: High Species Richness								
If: Relictual Populations								
Ig: Variation in Species Composition								
Ih: Artificial Wetland								
Ii: Hollow Bearing Trees								
Ij: Breeding or Roosting Site	1,644.29	3.6						
Ik: Climate Refugia								

*NB. Whilst biodiversity values associated with Criteria I may be present within the site (refer to tables 12 and 15), for the New England Tableland and Central Queensland Coast BPAs, area and % area figures associated with Criteria Ia through to Ij cannot be listed in the table above (due to slight variations in data formats between BPAs).*

**Criteria J. Corridors:** areas identified under this criterion qualify either because they are existing vegetated corridors important for contiguity, or cleared areas that could serve this purpose if revegetated. Some examples of corridors include riparian habitats, transport corridors and "stepping stones".

Bioregional and subregional conservation corridors have been identified in the more developed bioregions of Queensland through the BPAs, using an intensive process involving expert panels. Map 3 displays the location of corridors as identified

under the Statewide Corridor network. The Statewide Corridor network incorporates BPA derived corridors and for bioregions where no BPA has been assessed yet, corridors derived under other planning processes. *Note: as a result of updating and developing a statewide network, the alignment of corridors may differ slightly in some instances when compared to those used in individual BPAs.*

The functions of these corridors are:

- **Terrestrial** Bioregional corridors, in conjunction with large tracts of remnant vegetation, maintain ecological and evolutionary processes at a landscape scale, by:

- Maintaining long term evolutionary/genetic processes that allow the natural change in distributions of species and connectivity between populations of species over long periods of time;
- Maintaining landscape/ecosystems processes associated with geological, altitudinal and climatic gradients, to allow for ecological responses to climate change;
- Maintaining large scale seasonal/migratory species processes and movement of fauna;
- Maximising connectivity between large tracts/patches of remnant vegetation;
- Identifying key areas for rehabilitation and offsets; and

- **Riparian** Bioregional Corridors also maintain and encourage connectivity of riparian and associated ecosystems.

The location of the corridors is determined by the following principles:

- Terrestrial

- Complement riparian landscape corridors (i.e. minimise overlap and maximise connectivity);
- Follow major watershed/catchment and/or coastal boundaries;
- Incorporate major altitudinal/geological/climatic gradients;
- Include and maximise connectivity between large tracts/patches of remnant vegetation;
- Include and maximise connectivity between remnant vegetation in good condition; and

- Riparian

- Located on the major river or creek systems within the bioregion in question.

The total extent of remnant vegetation triggered as being of "State", "Regional" or "Local" significance due to the presence of an overlying BPA derived terrestrial or riparian corridor within the AOI, is provided in the following table. For further information on how remnant vegetation is triggered due to the presence of an overlying BPA derived corridor, refer to the relevant landscape BPA expert panel report(s).

**Table 14: Extent of triggered remnant vegetation due to the presence of BPA derived corridors with respect to the AOI**

Biodiversity Significance	Area (Ha)	% of AOI
State	1,494.48	3.31
Regional	176.26	0.39
Local	0.0	0.0

*NB: area figures associated with the extent of corridor triggered remnant vegetation are only available for those bioregions where a BPA has been undertaken.*

Refer to **Map 3** for further information.

**Threatening process/condition (Criteria K)** - areas identified by experts under this criterion may be used to amend (upgrade or downgrade) biodiversity significance arising from the "first-cut" analysis. The condition of remnant vegetation is affected by threatening processes such as weeds, ferals, grazing and burning regime, selective timber harvesting/removal, salinity, soil erosion, and climate change.

Assessment of Criteria K with respect to the AOI is not currently included in the "Biodiversity and Conservation Values" report, as it has not been applied to the majority of Queensland due to data/information limitations and availability.

### Special Area Decisions

Expert panel derived "Special Area Decisions" are used to assign values to Other Essential Criteria. The specific decisions which relate to the AOI in question are listed in the table below.

**Table 15: Expert panel decisions for assigning levels of biodiversity significance with respect to the AOI**

Decision Number	Description	Panel Recommended Significance	Criteria Values
brbn_I_18a	None	None	None
brbn_I_18b	None	None	None
brbn_I_75	Gilgai Remnants	State	lb (refugia): VH; lj (aggregation site):VH
brbn_I_87	Relictual subregions (less than 30% remnant vegetation) - largest remaining examples of each regional ecosystem in a subregion	State	lb (refugia): VH
brbn_I_88	Relictual subregions (less than 30% remnant vegetation) - stock-routes and associated reserves	State	lb (refugia): VH
brbn_I_89	Relictual subregions (less than 30% remnant vegetation) - remnant vegetation	Regional	lb (refugia): VH
brbn_I_92	Regionally significant natural palustrine & lacustrine wetlands	Regional	lb (refugia): H
brbn_I_93	Locally significant natural palustrine & lacustrine wetlands	Local	lb (refugia): M
brbs_I_18a	None	None	None

**Expert panel decision descriptions:**

**brbn\_I\_18a**

None

**brbn\_I\_18b**

None

**brbn\_I\_75**

The gilgai wetland systems in the Brigalow Belt tend to be dominated by acacia and casuarina (mostly brigalow *Acacia harpophylla* and *belah Casuarina cristata*). *Melaleuca*, *Corymbia* and *Eucalyptus* species are also common along with *Astrelba* or *Dichanthium* spp. grassland. Gilgai systems are widespread and some are in good condition while others are largely cleared. The range of threatened wildlife present may use inundated gilgai as a water source at some stage of their life or are closely associated with the cracking clay soil habitat and wetlands.

Gilgai reptiles include the death adder *Acanthophs antarcticus*, De Vis' banded snake *Denisonia devisi* and ornamental snake *D. maculata*. Amphibians that use gilgai include salmon striped frog *Limnodynastes salmini*, scarlet-sided pobblebonk *L. terraereginae* and striped burrowing frog *Cyclorana alboguttata*. Other fauna which may use gilgai habitat at various times include bridled nailtail wallaby *Onychogalea fraenata*, black-striped wallaby *Macropus dorsalis* and the glossy black cockatoo *Calyptorhynchus lathami*.

(Source: WetlandInfo <https://wetlandinfo.des.qld.gov.au/wetlands/>).

Refer to brbs\_I\_49 for the southern BRB implementation of this decision.

**brbn\_I\_87**

A summary of research on landscape thresholds for remnant vegetation is provided by James Saunders (2001). The evidence suggests that once remnant vegetation falls below 30%, there are significant declines in biodiversity.

Relictual subregions (less than 30% remnant vegetation remaining) for the Brigalow Belt include the Upper Belyando Flood out (11.8), Isaac - Comet Downs (11.11), Callide Creek Downs (11.19), Dawson River Downs (11.21), Taroom Downs (11.25), Dulacca Downs (11.28), Weribone High (11.29), Tara Downs (11.30), Eastern Darling Downs (11.31), Moonie R. - Commoron Creek Floodout (11.33), Moonie - Barwon Interfluve (11.34), Warrambool - Moonie (11.35), Macintyre - Weir Fan (11.36), Narrandool (11.38).

The largest remaining examples of each regional ecosystem in a subregion represent important refuges from clearing in these fragmented landscapes.

Refer to brbs\_I\_08 for the southern BRB implementation of this decision.

### **brbn\_I\_88**

A summary of research on landscape thresholds for remnant vegetation is provided by James Saunders (2001). The evidence suggests that once remnant vegetation falls below 30%, there are significant declines in biodiversity.

The following subregions have less than 30% remnant vegetation in the southern Brigalow Belt: Relictual subregions (less than 30% remnant vegetation remaining) for the Brigalow Belt include; Upper Belyando Flood out (11.8), Isaac - Comet Downs (11.11), Callide Creek Downs (11.19), Dawson River Downs (11.21), Taroom Downs (11.25), Dulacca Downs (11.28), Weribone High (11.29), Tara Downs (11.30), Eastern Darling Downs (11.31), Moonie R. - Commoron Creek Floodout (11.33), Moonie - Barwon Interfluve (11.34), Warrambool - Moonie (11.35), Macintyre - Weir Fan (11.36), Narrandool (11.38).

Stock-routes and associated camping and water reserves provide critical connectivity in fragmented landscapes. They also offer opportunities to restore habitat and connectivity in highly cleared landscapes.

Refer to brbs\_I\_09 for the southern BRB implementation of this decision.

### **brbn\_I\_89**

A summary of research on landscape thresholds for remnant vegetation is provided by James Saunders (2001). The evidence suggests that once remnant vegetation falls below 30%, there are significant declines in biodiversity.

The following subregions have less than 30% remnant vegetation in the southern Brigalow Belt: Relictual subregions (less than 30% remnant vegetation remaining) for the Brigalow Belt include; Upper Belyando Flood out (11.8), Isaac - Comet Downs (11.11), Callide Creek Downs (11.19), Dawson River Downs (11.21), Taroom Downs (11.25), Dulacca Downs (11.28), Weribone High (11.29), Tara Downs (11.30), Eastern Darling Downs (11.31), Moonie R. - Commoron Creek Floodout (11.33), Moonie - Barwon Interfluve (11.34), Warrambool - Moonie (11.35), Macintyre - Weir Fan (11.36), Narrandool (11.38).

Remnant vegetation provides a refuge from clearing in fragmented subregions and should be retained to maintain biodiversity.

Refer to brbs\_I\_15 for the southern BRB implementation of this decision.

### **brbn\_I\_92**

The panel considered that relatively natural palustrine and lacustrine wetlands and waterbodies within the Brigalow Belt bioregion act as important refugia, especially during periods of drought.

Whilst State significant wetlands are captured under Criterion B1, the panel agreed that all such natural wetland complexes with a combined area of greater than or equal to 5ha in size should be classed as being of at least regional significance.

Refer to brbs\_I\_47 for the southern BRB implementation of this decision.

**brbn\_I\_93**

The panel considered that relatively natural palustrine and lacustrine wetlands and waterbodies within the Brigalow Belt bioregion act as important refugia, especially during periods of drought.

Whilst State significant wetlands are captured under Criterion B1, and regionally significant wetlands under the decision brbn\_I\_92, the panel agreed that all remaining relatively natural wetland complexes of less than 5ha in size be classed as being of at least local significance.

Refer to brbn\_I\_48 for the southern BRB implementation of this decision.

**brbs\_I\_18a**

None

# Aquatic Conservation Assessments

## Introduction

The Aquatic Biodiversity Assessment and Mapping Method or AquaBAMM (Clayton *et al.* 2006), was developed to assess conservation values of wetlands in Queensland, and may also have application in broader geographical contexts. It is a comprehensive method that uses available data, including data resulting from expert opinion, to identify relative wetland conservation/ecological values within a specified study area (usually a catchment). The product of applying this method is an Aquatic Conservation Assessment (ACA) for the study area.

An ACA using AquaBAMM is non-social, non-economic and identifies the conservation/ecological values of wetlands at a user-defined scale. It provides a robust and objective conservation assessment using criteria, indicators and measures that are founded upon a large body of national and international literature. The criteria, each of which may have variable numbers of indicators and measures, are naturalness (aquatic), naturalness (catchment), diversity and richness, threatened species and ecosystems, priority species and ecosystems, special features, connectivity and representativeness. An ACA using AquaBAMM is a powerful decision support tool that is easily updated and simply interrogated through a geographic information system (GIS).

Where they have been conducted, ACAs can provide a source of baseline wetland conservation/ecological information to support natural resource management and planning processes. They are useful as an independent product or as an important foundation upon which a variety of additional environmental and socio-economic elements can be added and considered (i.e. an early input to broader 'triple-bottom-line' decision-making processes). An ACA can have application in:

- determining priorities for protection, regulation or rehabilitation of wetlands and other aquatic ecosystems
- on-ground investment in wetlands and other aquatic ecosystems
- contributing to impact assessment of large-scale development (e.g. dams)
- water resource and strategic regional planning processes

For a detailed explanation of the methodology please refer to the summary and expert panel reports relevant to the ACA utilised in this assessment. These reports can be accessed at *Wetland Info*:

<http://wetlandinfo.des.qld.gov.au/wetlands/assessment/assessment-methods/aca>

The GIS results can be downloaded from the Queensland Spatial Catalogue at:

<http://qspatial.information.qld.gov.au/geoportal/>

## Explanation of Criteria

Under the AquaBAMM, eight criteria are assessed to derive an overall conservation value. Similar to the Biodiversity Assessment and Mapping Methodology, the criteria may be primarily diagnostic (quantitative) or primarily expert opinion (qualitative) in nature. The following sections provide a brief description of each of the 8 criteria.

**Criteria 1. Naturalness - Aquatic:** This attribute reflects the extent to which a wetland's (riverine, non-riverine, estuarine) aquatic state of naturalness is affected through relevant influencing indicators which include: presence of exotic flora and fauna; presence of aquatic communities; degree of habitat modification and degree of hydrological modification.

**Criteria 2. Naturalness - Catchment:** The naturalness of the terrestrial systems of a catchment can have an influence on many wetland characteristics including: natural ecological processes e.g. nutrient cycling, riparian vegetation, water chemistry, and flow. The indicators utilised to assess this criterion include: presence of exotic flora and/or fauna; riparian, catchment and flow modification.

**Criteria 3. Naturalness - Diversity and Richness:** This criterion is common to many ecological assessment methods and can include both physical and biological features. It includes such indicators as species richness, riparian ecosystem richness and geomorphological diversity.

**Criteria 4. Threatened Species and Ecosystems:** This criterion evaluates ecological rarity characteristics of a wetland. This includes both species rarity and rarity of communities / assemblages. The communities and assemblages are best represented by regional ecosystems. Species rarity is determined by NCA and EPBC status with Endangered, Vulnerable or Near-threatened species being included in the evaluation. Ecosystem rarity is determined by regional ecosystem biodiversity status i.e. Endangered, Of Concern, or Not of Concern.

**Criteria 5. Priority Species and Ecosystems:** Priority flora and fauna species lists are expert panel derived. These are aquatic, semi-aquatic and riparian species which exhibit at least 1 particular trait in order to be eligible for consideration. For



flora species the traits included:

- It forms significant macrophyte beds (in shallow or deep water).
- It is an important food source.
- It is important/critical habitat.
- It is implicated in spawning or reproduction for other fauna and/or flora species.
- It is at its distributional limit or is a disjunct population.
- It provides stream bank or bed stabilisation or has soil binding properties.
- It is a small population and subject to threatening processes.

Fauna species are included if they meet at least one of the following traits:

- It is endemic to the study area (>75 per cent of its distribution is in the study area/catchment).
- It has experienced, or is suspected of experiencing, a serious population decline.
- It has experienced a significant reduction in its distribution and has a naturally restricted distribution in the study area/catchment.
- It is currently a small population and threatened by loss of habitat.
- It is a significant disjunct population.
- It is a migratory species (other than birds).
- A significant proportion of the breeding population (>one per cent for waterbirds, >75 per cent other species) occurs in the waterbody (see Ramsar criterion 6 for waterbirds).
- Limit of species range.

See the individual expert panel reports for the priority species traits specific to an ACA.

**Criteria 6. Special Features:** Special features are areas identified by flora, fauna and ecology expert panels which exhibit characteristics beyond those identified in other criteria and which the expert panels consider to be of the highest ecological importance. Special feature traits can relate to, but are not solely restricted to geomorphic features, unique ecological processes, presence of unique or distinct habitat, presence of unique or special hydrological regimes e.g. spring-fed streams. Special features are rated on a 1 - 4 scale (4 being the highest).

**Criteria 7. Connectivity:** This criterion is based on the concept that appropriately connected aquatic ecosystems are healthy and resilient, with maximum potential biodiversity and delivery of ecosystem services.

**Criteria 8. Representativeness:** This criterion applies primarily to non-riverine assessments, evaluates the rarity and uniqueness of a wetland type in relation to specific geographic areas. Rarity is determined by the degree of wetland protection within "protected Areas" estate or within an area subject to the *Fisheries Act 1994*, *Coastal Protection and Management Act 1995*, or *Marine Parks Act 2004*. Wetland uniqueness evaluates the relative abundance and size of a wetland or wetland management group within geographic areas such as catchment and subcatchment.

## Riverine Wetlands

Riverine wetlands are all wetlands and deepwater habitats within a channel. The channels are naturally or artificially created, periodically or continuously contain moving water, or connecting two bodies of standing water. AquaBAMM, when applied to riverine wetlands uses a discrete spatial unit termed subsections. A subsection can be considered as an area which encompasses discrete homogeneous stream sections in terms of their natural attributes (i.e. physical, chemical, biological and utilitarian values) and natural resources. Thus in an ACA, an aquatic conservation significance score is calculated for each subsection and applies to all streams within a subsection, rather than individual streams as such.

Please note, the area figures provided in Tables 16 and 17, are derived using the extent of riverine subsections within the AOI. Refer to **Map 5** for further information. A summary of the conservation significance of riverine wetlands within the AOI is provided in the following table.

**Table 16: Overall level/s of riverine aquatic conservation significance**

Aquatic conservation significance (riverine wetlands)	Area (Ha)	% of AOI
Very High	0.0	0.0

Aquatic conservation significance (riverine wetlands)	Area (Ha)	% of AOI
High	8,909.25	19.76
Medium	14,746.60	32.71
Low	0.0	0.0
Very Low	21,427.02	47.53

The individual aquatic conservation criteria ratings for riverine wetlands within the AOI are listed below.

**Table 17: Level/s of riverine aquatic conservation significance based on selected criteria**

Criteria	Very High Rating - Area (Ha)	Very High Rating - % of AOI	High Rating - Area (Ha)	High Rating - % of AOI	Medium Rating - Area (Ha)	Medium Rating - % of AOI	Low Rating - Area (Ha)	Low Rating - % of AOI
1. Naturalness aquatic	3,293.18	7.3	5,616.07	12.5	7,042.75	15.6	29,130.87	64.6
2. Naturalness catchment	1,563.54	3.5	35,828.36	79.5	7,690.97	17.1		
3. Diversity and richness			22,485.28	49.9	22,537.52	50.0	60.07	0.1
4. Threatened species and ecosystems			22,092.31	49.0				
5. Priority species and ecosystems	12,658.82	28.1	5,232.00	11.6				
6. Special features								
7. Connectivity	16,860.31	37.4	10,005.85	22.2	18,216.71	40.4		
8. Representative-ness								

The table below lists and describes the relevant expert panel decisions used to assign conservation significance values to riverine wetlands within the AOI.

**Table 18: Expert panel decisions for assigning overall levels of riverine aquatic conservation significance**

Decision number	Special feature	Catchment	Criteria/Indicator/Measure	Conservation rating (1-4)
(No Records)				

*4 is the highest rating/value*

#### Expert panel decision descriptions:

(No Records)

## Non-riverine Wetlands

Non-riverine wetlands include both lacustrine and palustrine wetlands, however, do not currently incorporate estuarine, marine or subterranean wetland types. A summary of the conservation significance of non-riverine wetlands within the AOI is provided in the following table. Refer to **Map 6** for further information.

**Table 19: Overall level/s of non-riverine aquatic conservation significance**

Aquatic conservation significance (non-riverine wetlands)	Area (Ha)	% of AOI
Very High	372.78	0.83
High	5.2	0.01
Medium	25.24	0.06
Low	0.0	0.0
Very Low	26.11	0.06

The following table provides an assessment of non-riverine wetlands within the AOI and associated aquatic conservation criteria values.

**Table 20: Level/s of non-riverine aquatic conservation significance based on selected criteria**

Criteria	Very High Rating - Area (Ha)	Very High Rating - % of AOI	High Rating - Area (Ha)	High Rating - % of AOI	Medium Rating - Area (Ha)	Medium Rating - % of AOI	Low Rating - Area (Ha)	Low Rating - % of AOI
1. Naturalness aquatic	392.61	0.9	1.88		28.06	0.1	6.8	
2. Naturalness catchment	286.99	0.6	111.9	0.2	30.46	0.1		
3. Diversity and richness	374.66	0.8			16.58		12.0	
4. Threatened species and ecosystems	371.84	0.8	22.41		2.19			
5. Priority species and ecosystems	9.93		20.53					
6. Special features								
7. Connectivity								
8. Representative-ness	377.98	0.8			18.46			

The table below lists and describes the relevant expert panel decisions used to assign conservation significance values to non-riverine wetlands within the AOI.

**Table 21: Expert panel decisions for assigning overall levels of non-riverine aquatic conservation significance.**

Decision number	Special feature	Catchment	Criteria/Indicator/Measure	Conservation rating (1-4)
ct_nr_fl_01	Regional ecosystems 8.3.4 and 11.3.27	Comet	5.2.1	3

*4 is the highest rating/value*

**Expert panel decision descriptions:**

**ct\_nr\_fl\_01**

These regional ecosystems contain significant habitat values that are under threat from threatening processes such as physical alteration/ destruction and invasion by **hymenachne**.

**Note:** This priority ecosystem decision applies to the following catchments: Calliope, Comet, Dawson, Fitzroy, Isaac, Mackenzie, Misc Other Islands, Nogoia, O'Connell, Pioneer, Plane, Proserpine, Shoalwater, Styx and Waterpark.

## Threatened and Priority Species

### Introduction

This chapter contains a list of threatened and priority flora and/or fauna species that have been recorded on, or within 4km of the Assessment Area.

The information presented in this chapter with respect to species presence is derived from compiled databases developed primarily for the purpose of BPAs and ACAs. Data is collated from a number of sources and is updated periodically.

It is important to note that the list of species provided in this report, may differ when compared to other reports generated from other sources such as the State government's WildNet, HerbreCs or the federal government's EPBC database for a number of reasons.

Records for threatened and priority species are filtered and checked based on a number of rules including:

- Taxonomic nomenclature - current scientific names and status,
- Location - cross-check co-ordinates with location description,
- Taxon by location - requires good knowledge of the taxon and history of the record,
- Duplicate records - identify and remove,
- Expert panels - check records and provide new records,
- Flora cultivated records excluded,
- Use precise records less than or equal to 2000m,
- Use recent records greater than or equal to 1975 animals, greater than or equal to 1950 plants.

### Threatened Species

Threatened species are those species classified as "Endangered" or "Vulnerable" under the *Environment Protection and Biodiversity Conservation Act 1999* or "Endangered", "Vulnerable" or "Near threatened" under the *Nature Conservation Act 1992*.

The following threatened species have been recorded on, or within approximately 4km of the AOI.

**Table 22: Threatened species recorded on, or within 4km of the AOI**

Species	Common name	NCA status	EPBC status	Back on Track rank	Migratory species*	Wetland species**	Identified flora/fauna
<i>Aristida annua</i>		V	V	Data Deficient			FL
<i>Geophaps scripta scripta</i>	squatter pigeon (southern subspecies)	V	V	Medium			FA
<i>Phascolarctos cinereus</i>	koala	E	E	Low			FA
<i>Rostratula australis</i>	Australian painted-snipe	E	E	Medium		I	FA

*NB. Please note that the threatened species listed in this section are based upon the most recently compiled DES internal state-wide threatened species dataset. This dataset may contain additional records that were not originally available for inclusion in the relevant individual BPAs and ACAs.*

\*JAMBA - Japan-Australia Migratory Bird Agreement; CAMBA - China-Australia Migratory Bird Agreement; ROKAMBA - Republic of Korea-Australia Migratory Bird Agreement; CMS - Convention on the Conservation of Migratory Species.

\*\*I - wetland indicator species; D - wetland dependent species.

### BPA Priority Species

A list of BPA priority species that have been recorded on, or within approximately 4km of the AOI is contained in the following table.

**Table 23: Priority species recorded on, or within 4km of the AOI**

Species	Common name	Back on Track rank	Identified flora/fauna
<i>Macquaria ambigua</i>	Yellowbelly	L	FA
<i>Mogurnda adspersa</i>	Southern Purplespotted Gudgeon	L	FA
<i>Varanus varius</i>	Lace Monitor	L	FA

*NB. Please note that the list of priority species is based on those species identified in the BPAs, however records for these species may be more recent than the originals used. Furthermore, the BPA priority species databases are updated from time to time. At each update, the taxonomic details for all species are amended as necessary to reflect current taxonomic name and/or status changes.*

## ACA Priority Species

A list of ACA priority species used in riverine and non-riverine ACAs that have been recorded on, or within approximately 4km of the AOI are contained in the following tables.

**Table 24: Priority species recorded on, or within 4 km of the AOI - riverine**

Species	Common name	Back on Track rank	Identified flora/fauna
<i>Casuarina cunninghamiana</i>	None	None	FL
<i>Eucalyptus coolabah</i>	coolabah	None	FL
<i>Eucalyptus tereticornis</i>	None	None	FL
<i>Macquaria ambigua</i>	Yellowbelly	Low	FA
<i>Melaleuca bracteata</i>	None	None	FL

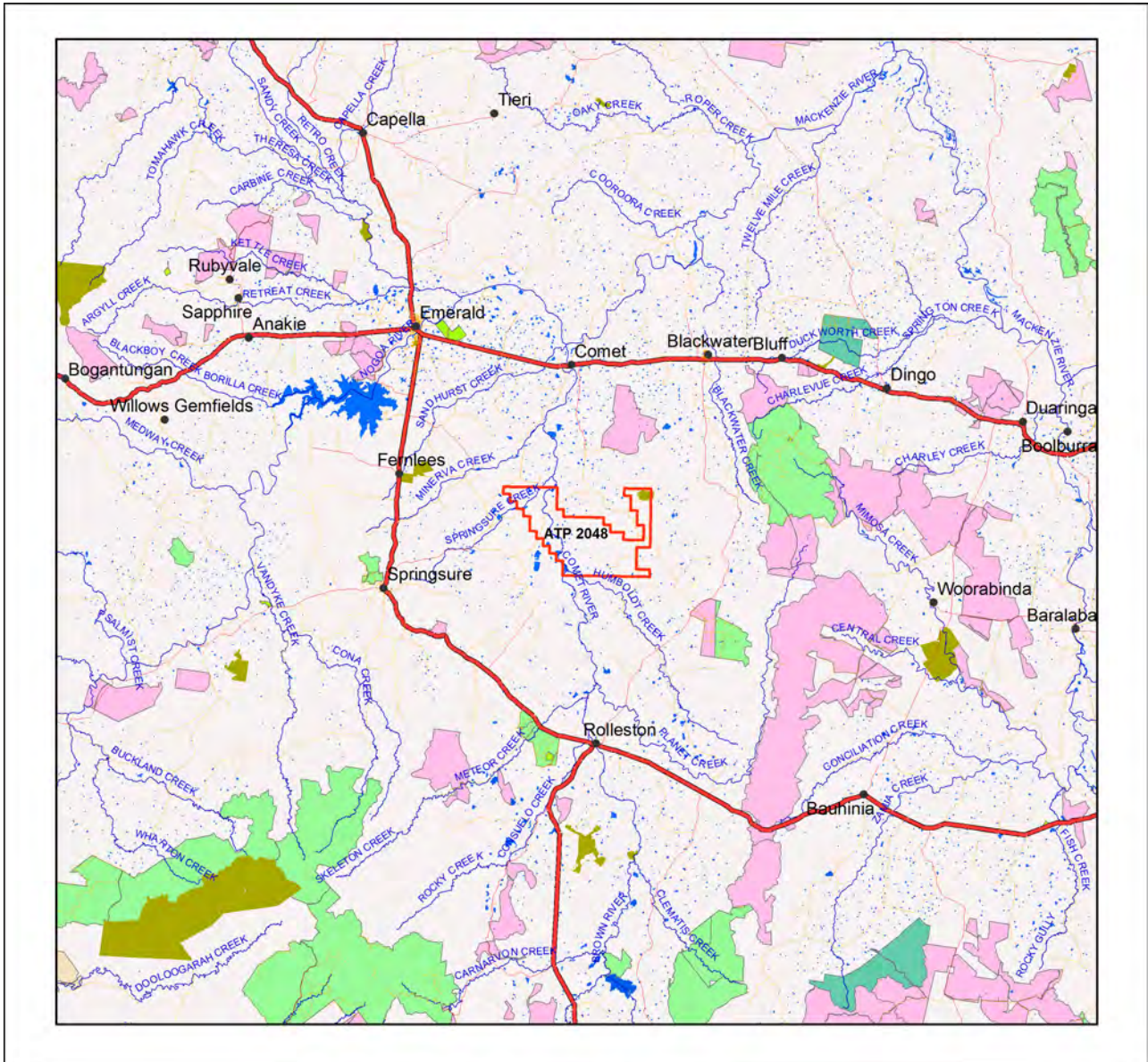
**Table 25: Priority species recorded on, or within 4 km of the AOI - non-riverine**

Species	Common name	Back on Track rank	Identified flora/fauna
<i>Eucalyptus coolabah</i>	coolabah	None	FL
<i>Eucalyptus tereticornis</i>	None	None	FL
<i>Melaleuca bracteata</i>	None	None	FL

*NB. Please note that the priority species records used in the above two tables are comprised of those adopted for the released individual ACAs. The ACA riverine and non-riverine priority species databases are updated from time to time to reflect new release of ACAs. At each update, the taxonomic details for all ACAs records are amended as necessary to reflect current taxonomic name and/or status changes.*

# Maps

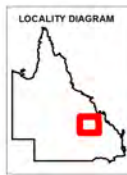
## Map 1 - Locality Map



### Locality Map

#### Legend

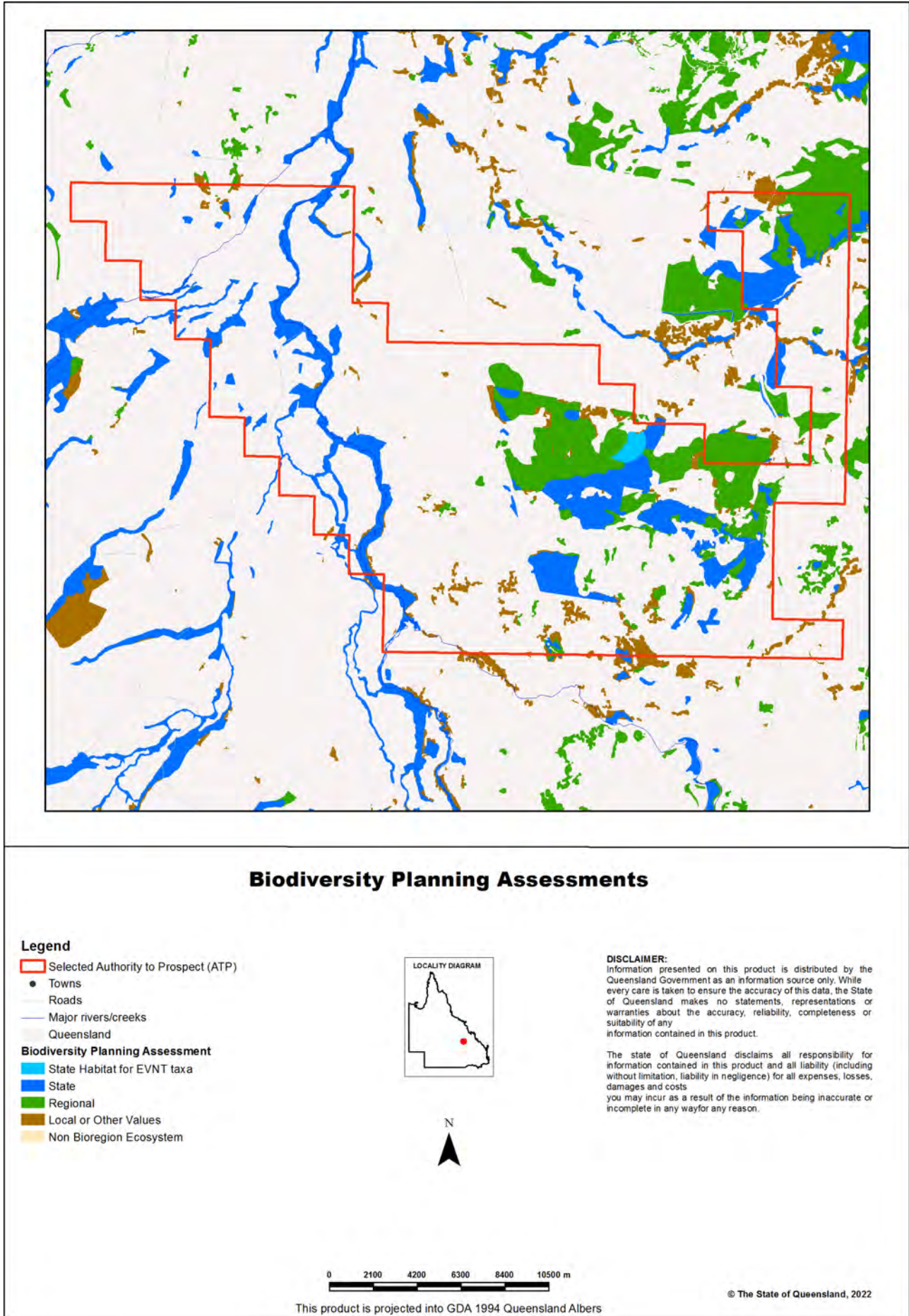
- Selected Authority to Prospect (ATP)
- Towns
- Highway
- Connector
- Street/Local Road
- Reservoirs
- Lakes
- National Park (Scientific)
- National Park
- National Park (CYPAL)
- Conservation Park
- Resources Reserve
- Forest Reserve
- State Forest
- Timber Reserve
- Nature Refuges
- Coordinated Conservation Areas
- Major rivers/creeks
- Queensland



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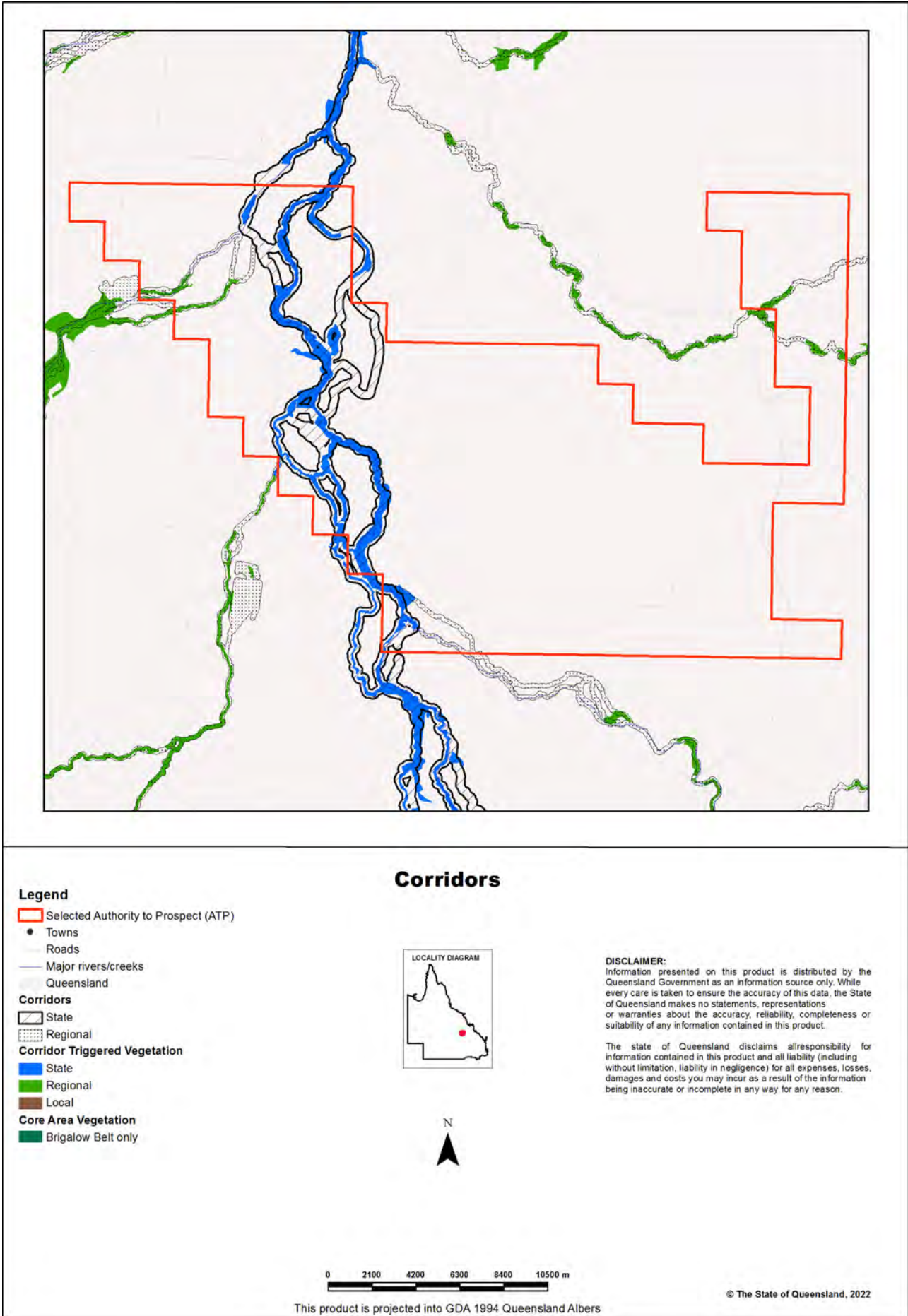
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## Map 2 - Biodiversity Planning Assessment (BPA)

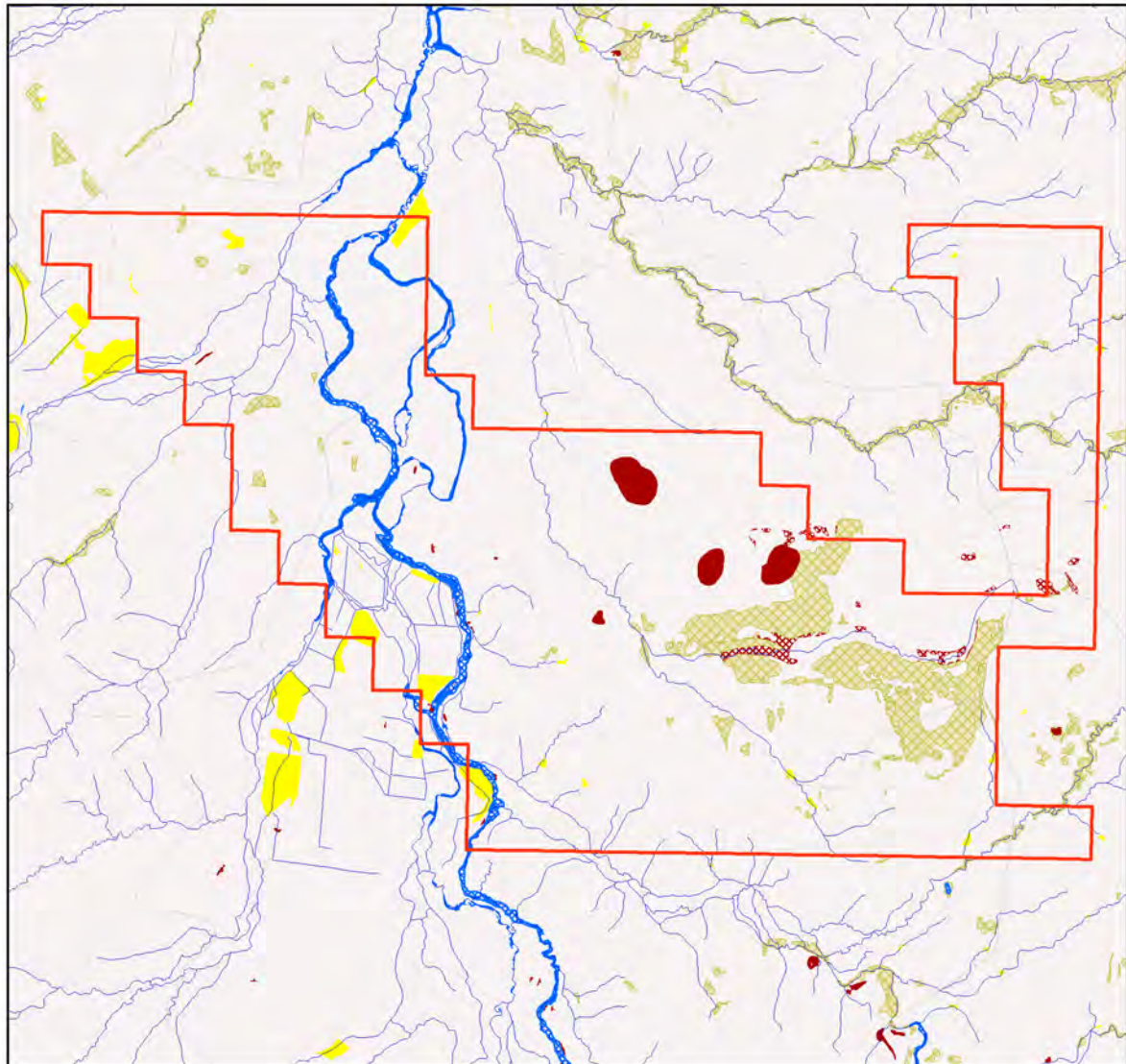




### Map 3 - Corridors



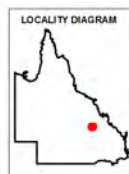
# Map 4 - Wetlands and waterways



## Wetlands and Waterways

### Legend

- Selected Authority to Prospect (ATP)
  - Towns
  - Roads
  - Springs
  - Rivers/Creeks
  - Directory of Important Wetlands
  - ▨ Ramsar Sites - QLD
  - Queensland
- Wetland Type**
- Marine Waterbodies
  - Estuarine Waterbodies
  - Riverine Waterbodies
  - Lacustrine Waterbodies
  - Palustrine Waterbodies
  - Marine RE
  - Estuarine RE
  - Riverine RE
  - Lacustrine RE
  - Palustrine RE
  - RE 51-80% wetland (mosaic units)
  - RE 1-50% wetland (mosaic units)



This product is projected into GDA 1994 Queensland Albers

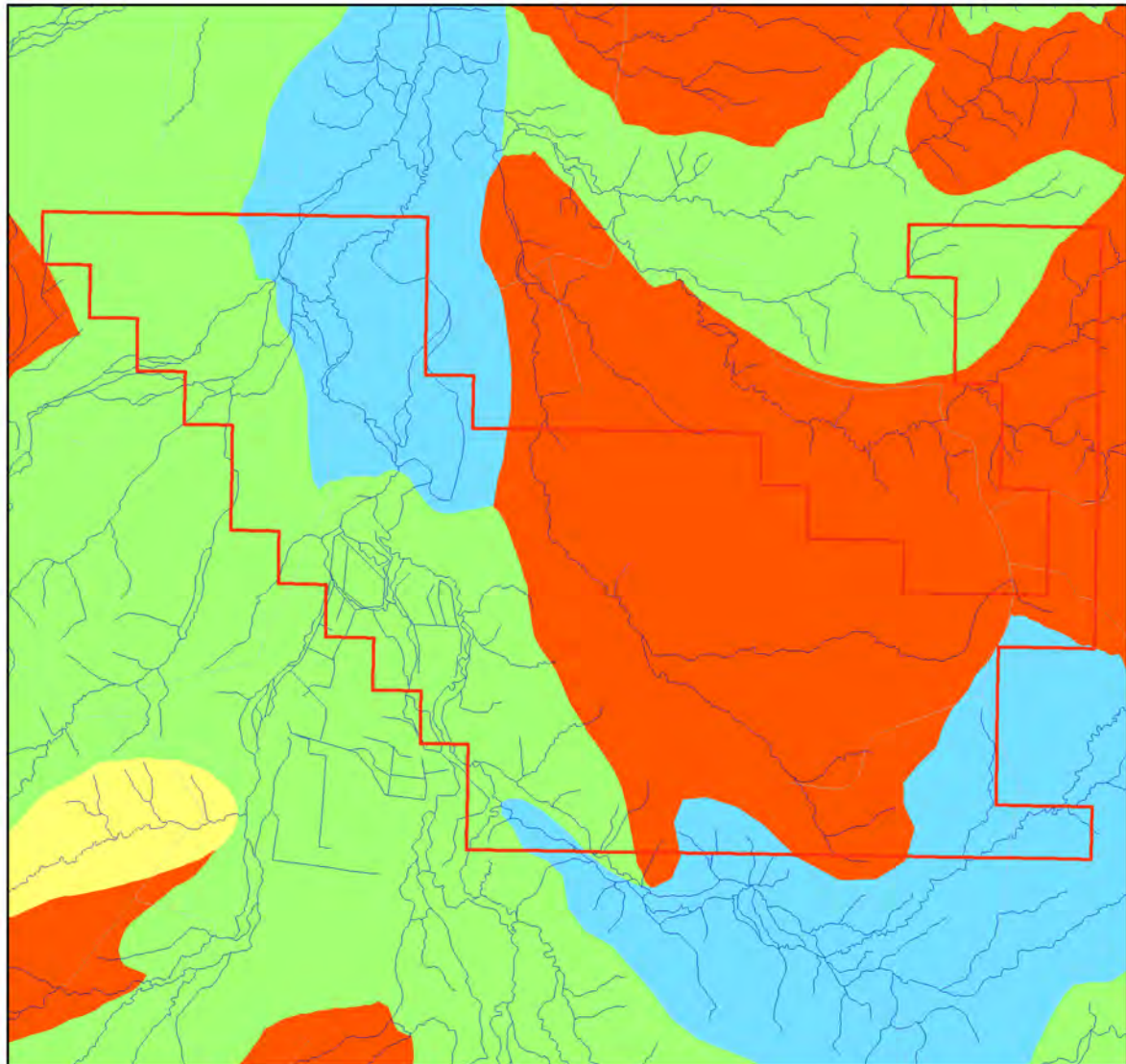
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# Map 5 - Aquatic Conservation Assessment (ACA) - riverine



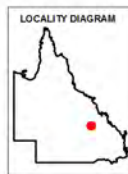
## Aquatic Conservation Assessment (ACA) - riverine

### Legend

- Selected Authority to Prospect (ATP)
- Towns
- Roads
- Rivers/Creeks
- Queensland

### ACA Riverine - Subcatchment Significance

- Very High
- High
- Medium
- Low
- Very Low



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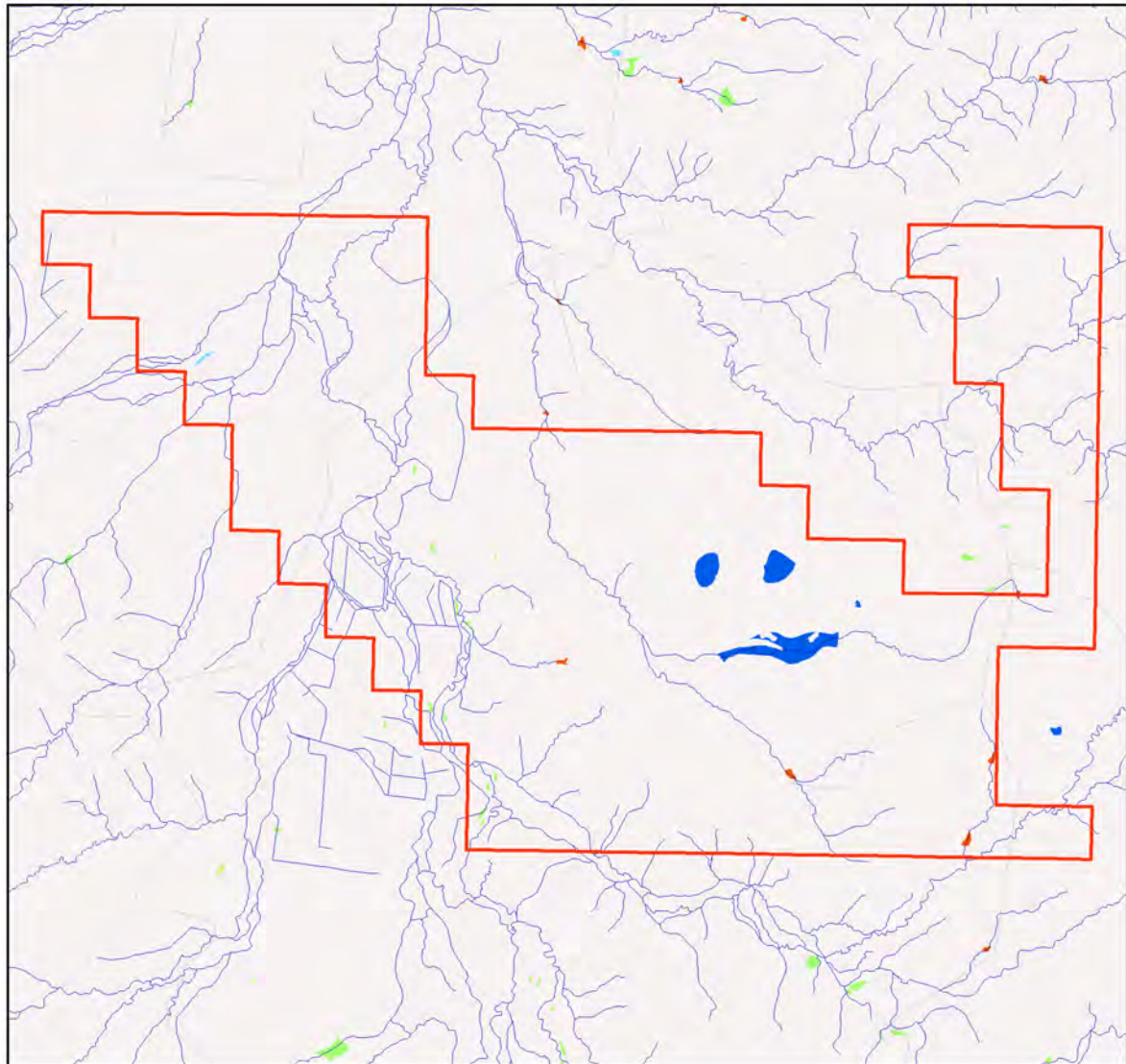
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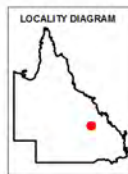
# Map 6 - Aquatic Conservation Assessment (ACA) - non-riverine



## Aquatic Conservation Assessment (ACA) - nonriverine

### Legend

- Selected Authority to Prospect (ATP)
- Towns
- Roads
- Rivers/Creeks
- Queensland
- ACA Non-riverine**
- Very High
- High
- Medium
- Low
- Very Low



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## Appendices

### Appendix 1 - Source Data

Theme	Datasets
Aquatic Conservation Assessments Non-riverine*	Combination of the following datasets: Cape York Peninsula Non-riverine v1.1 Eastern Gulf of Carpentaria v1.1 Great Barrier Reef Catchment Non-riverine v1.3 Lake Eyre and Bulloo Basins v1.1 QMDB Non-riverine ACA v1.4 Southeast Queensland ACA v1.1 WBB Non-riverine ACA v1.1 Southern Gulf Catchments Non-riverine ACA v1.1
Aquatic Conservation Assessments Riverine*	Combination of the following datasets: Cape York Peninsula Riverine v1.1 Eastern Gulf of Carpentaria v1.1 Great Barrier Reef Catchment Riverine v1.1 Lake Eyre and Bulloo Basins v1.1 QMDB Riverine ACA v1.4 Southeast Queensland ACA v1.1 WBB Riverine ACA v1.1 Southern Gulf Catchments Riverine ACA v1.1
Biodiversity Planning Assessments*	Combination of the following datasets: Brigalow Belt BPA v2.1 Cape York Peninsula BPA v1.1 Central Queensland Coast BPA v1.3 Channel Country BPA v1.1 Desert Uplands BPA v1.3 Einasleigh Uplands BPA v1.1 Gulf Plains BPA v1.1 Mitchell Grass Downs BPA v1.1 Mulga Lands BPA v1.4 New England Tableland v2.3 Northwest Highlands v1.1 Southeast Queensland v4.1 Wet Tropics v1.1
Statewide BPA Corridors*	Statewide corridors v1.6
Threatened Species	An internal DES database compiled from Wildnet, Herbrecks, Corveg, the QLD Museum, as well as other incidental sources.
BPA Priority Species	An internal DES database compiled from Wildnet, Herbrecks, Corveg, the QLD Museum, as well as other incidental sources.
ACA Priority Species	An internal DES database compiled from Wildnet, Herbrecks, Corveg, the QLD Museum, as well as other incidental sources.

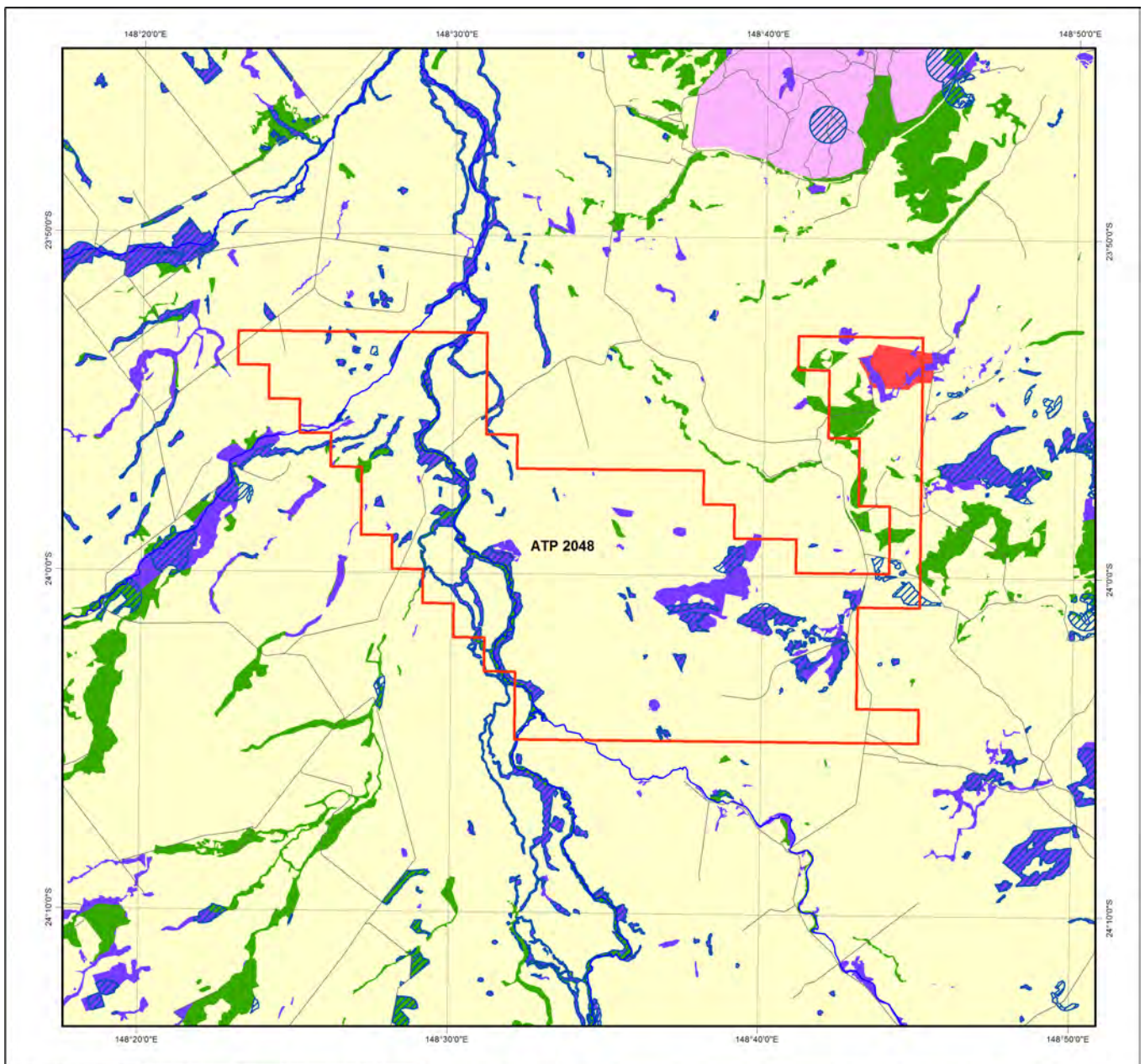
\*These datasets are available at:

<http://dds.information.qld.gov.au/DDS>

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## Appendix 2 - Acronyms and Abbreviations

AOI	- Area of Interest
ACA	- Aquatic Conservation Assessment
AQUABAMM	- Aquatic Biodiversity Assessment and Mapping Methodology
BAMM	- Biodiversity Assessment and Mapping Methodology
BoT	- Back on Track
BPA	- Biodiversity Planning Assessment
CAMBA	- China-Australia Migratory Bird Agreement
DES	- Department of Environment and Science
EPBC	- <i>Environment Protection and Biodiversity Conservation Act 1999</i>
EVNT	- Endangered, Vulnerable, Near Threatened
GDA94	- Geocentric Datum of Australia 1994
GIS	- Geographic Information System
JAMBA	- Japan-Australia Migratory Bird Agreement
NCA	- <i>Nature Conservation Act 1992</i>
RE	- Regional Ecosystem
REDD	- Regional Ecosystem Description Database
ROKAMBA	- Republic of Korea-Australia Migratory Bird Agreement

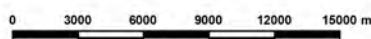
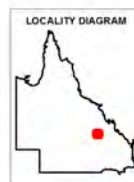


### ENVIRONMENTALLY SENSITIVE AREAS - non-mining resource activities (EP Act)

- Selected Authority to Prospect (ATP)
- CATEGORY A**
- National Parks
- Conservation Parks
- Forest Reserves
- Special Wildlife Reserve
- Wet Tropics World Heritage Area
- Great Barrier Reef Marine Park Area
- Marine Parks other than General Use Zones
- CATEGORY B**
- Queensland Heritage Register Places
- Ramsar Sites
- Cultural Heritage Registered Areas and DLA's other than Stanbroke
- Special Forestry Areas
- Seaward Side of Highest Astronomical Tide
- Fish Habitat Areas
- Coordinated Conservation Areas
- Endangered Regional Ecosystems - regrowth and remnant (Biodiversity Status)
- General Use Zones of Marine Parks
- Marine Plants
- CATEGORY C**
- Essential Habitat
- Koala Plan
- Nature Refuges
- Resources Reserve
- State Forests
- Timber Reserves
- Of Concern Regional Ecosystems (remnant biodiversity status)
- OTHERS**
- Towns
- Roads
- Rivers
- Springs
- Queensland

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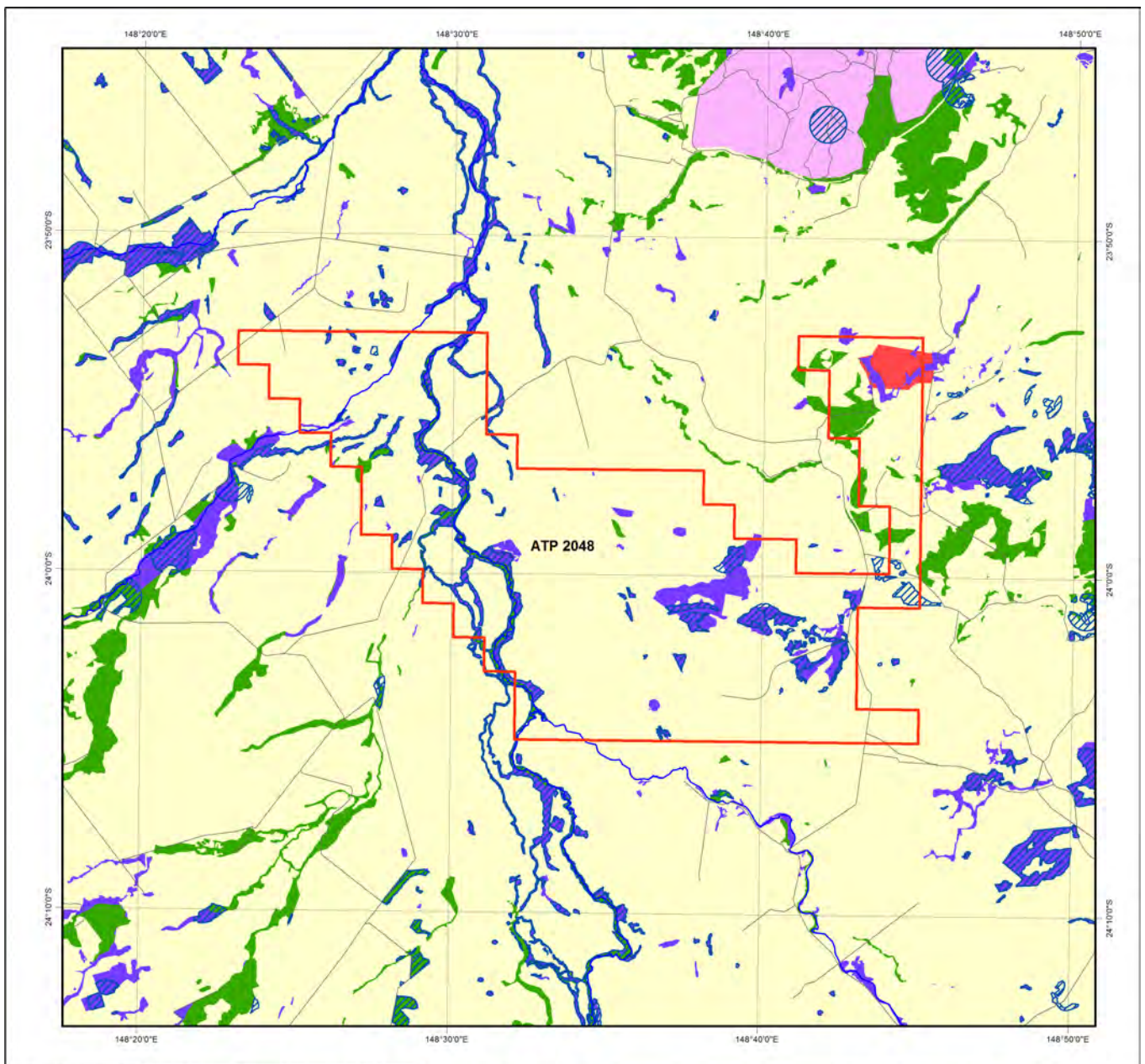
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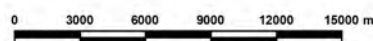
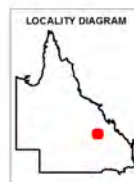


**ENVIRONMENTALLY SENSITIVE AREAS - non-mining resource activities (EP Act)**

- Selected Authority to Prospect (ATP)
- CATEGORY A**
- National Parks
- Conservation Parks
- Forest Reserves
- Special Wildlife Reserve
- Wet Tropics World Heritage Area
- Great Barrier Reef Marine Park Area
- Marine Parks other than General Use Zones
- CATEGORY B**
- Queensland Heritage Register Places
- Ramsar Sites
- Cultural Heritage Registered Areas and DLA's other than Stanbroke
- Special Forestry Areas
- Seaward Side of Highest Astronomical Tide
- Fish Habitat Areas
- Coordinated Conservation Areas
- Endangered Regional Ecosystems - regrowth and remnant (Biodiversity Status)
- General Use Zones of Marine Parks
- Marine Plants
- CATEGORY C**
- Essential Habitat
- Koala Plan
- Nature Refuges
- Resources Reserve
- State Forests
- Timber Reserves
- Of Concern Regional Ecosystems (remnant biodiversity status)
- OTHERS**
- Towns
- Roads
- Rivers
- Springs
- Queensland

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Queensland Government

Department of Environment and Science

Environmental Reports

# **Matters of State Environmental Significance**

For the selected area of interest  
epp: 2048

## Environmental Reports - General Information

The Environmental Reports portal provides for the assessment of selected matters of interest relevant to a user specified location, or area of interest (AOI). All area and derivative figures are relevant to the extent of matters of interest contained within the AOI unless otherwise stated. Please note, if a user selects an AOI via the "central coordinates" option, the resulting assessment area encompasses an area extending for a 2km radius from the point of interest.

All area and area derived figures included in this report 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.

Figures in tables may be affected by rounding.

The matters of interest reported on in this document are based upon available state mapped datasets. Where the report indicates that a matter of interest is not present within the AOI (e.g. where area related calculations are equal to zero, or no values are listed), this may be due either to the fact that state mapping has not been undertaken for the AOI, that state mapping is incomplete for the AOI, or that no values have been identified within the site.

The information presented in this report should be considered as a guide only and field survey may be required to validate values on the ground.

Please direct queries about these reports to: [Planning.Support@des.qld.gov.au](mailto:Planning.Support@des.qld.gov.au)

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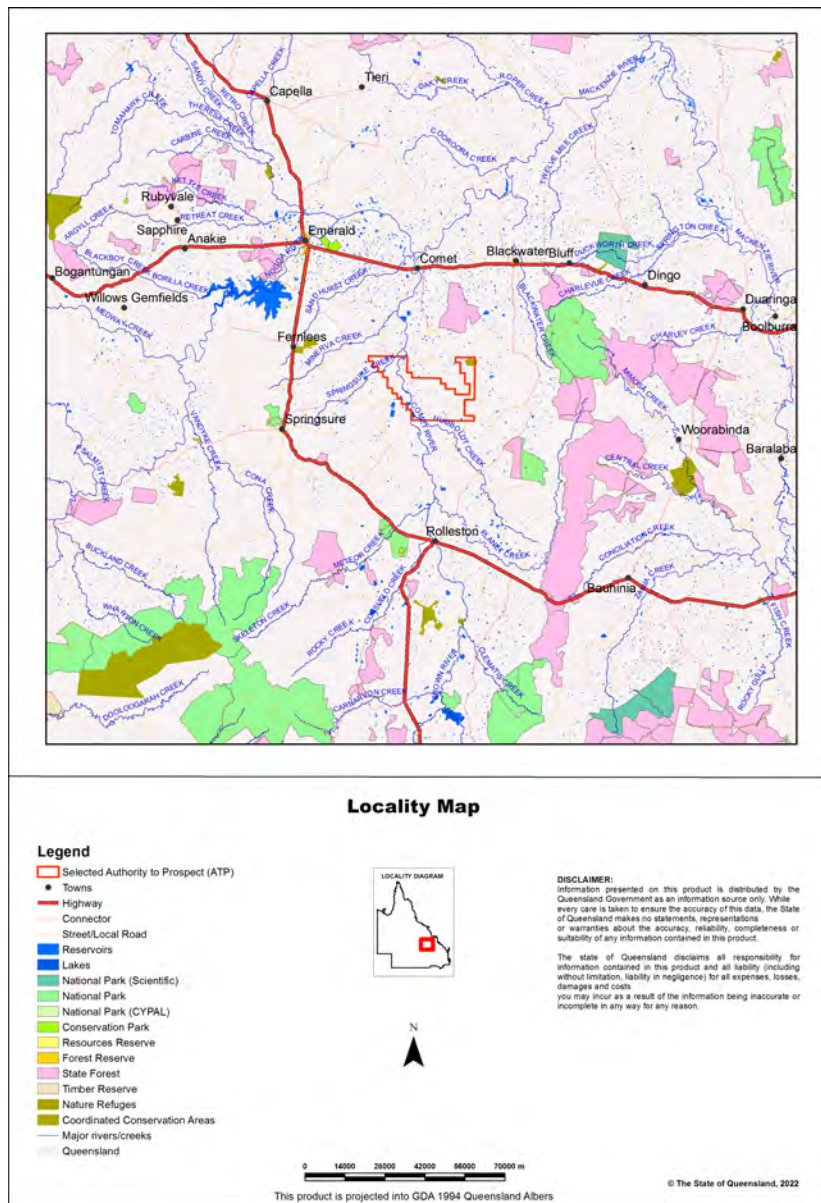
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## Assessment Area Details

The following table provides an overview of the area of interest (AOI) with respect to selected topographic and environmental values.

**Table 1: Summary table, details for AOI epp: 2048**

Size (ha)	45,082.88
Local Government(s)	Central Highlands Regional
Bioregion(s)	Brigalow Belt
Subregion(s)	Isaac - Comet Downs, Basalt Downs
Catchment(s)	Fitzroy



## Matters of State Environmental Significance (MSES)

### MSES Categories

Queensland's State Planning Policy (SPP) includes a biodiversity State interest that states:

'The sustainable, long-term conservation of biodiversity is supported. Significant impacts on matters of national or state environmental significance are avoided, or where this cannot be reasonably achieved; impacts are minimised and residual impacts offset.'

The MSES mapping product is a guide to assist planning and development assessment decision-making. Its primary purpose is to support implementation of the SPP biodiversity policy. While it supports the SPP, the mapping does not replace the regulatory mapping or environmental values specifically called up under other laws or regulations. Similarly, the SPP biodiversity policy does not override or replace specific requirements of other Acts or regulations.

The SPP defines matters of state environmental significance as:

- Protected areas (including all classes of protected area except coordinated conservation areas) under the *Nature Conservation Act 1992* ;
- Marine parks and land within a 'marine national park', 'conservation park', 'scientific research', 'preservation' or 'buffer' zone under the *Marine Parks Act 2004* ;
- Areas within declared fish habitat areas that are management A areas or management B areas under the Fisheries Regulation 2008;
- Threatened wildlife under the *Nature Conservation Act 1992* and special least concern animals under the Nature Conservation (Wildlife) Regulation 2006;
- Regulated vegetation under the *Vegetation Management Act 1999* that is:
  - Category B areas on the regulated vegetation management map, that are 'endangered' or 'of concern' regional ecosystems;
  - Category C areas on the regulated vegetation management map that are 'endangered' or 'of concern' regional ecosystems;
  - Category R areas on the regulated vegetation management map;
  - Regional ecosystems that intersect with watercourses identified on the vegetation management watercourse and drainage feature map;
  - Regional ecosystems that intersect with wetlands identified on the vegetation management wetlands map;
- Strategic Environmental Areas under the *Regional Planning Interests Act 2014* ;
- Wetlands in a wetland protection area of wetlands of high ecological significance shown on the Map of Queensland Wetland Environmental Values under the Environment Protection Regulation 2019;
- Wetlands and watercourses in high ecological value waters defined in the Environmental Protection (Water) Policy 2009, schedule 2;
- Legally secured offset areas.

## MSES Values Present

The MSES values that are present in the area of interest are summarised in the table below:

**Table 2: Summary of MSES present within the AOI**

1a Protected Areas- estates	0.0 ha	0.0 %
1b Protected Areas- nature refuges	669.13 ha	1.5%
1c Protected Areas- special wildlife reserves	0.0 ha	0.0 %
2 State Marine Parks- highly protected zones	0.0 ha	0.0 %
3 Fish habitat areas (A and B areas)	0.0 ha	0.0 %
4 Strategic Environmental Areas (SEA)	0.0 ha	0.0 %
5 High Ecological Significance wetlands on the map of Referable Wetlands	375.78 ha	0.8%
6a High Ecological Value (HEV) wetlands	0.0 ha	0.0 %
6b High Ecological Value (HEV) waterways	0.0 km	Not applicable
7a Threatened (endangered or vulnerable) wildlife	3549.87 ha	7.9%
7b Special least concern animals	0.0 ha	0.0 %
7c i Koala habitat area - core (SEQ)	0.0 ha	0.0 %
7c ii Koala habitat area - locally refined (SEQ)	0.0 ha	0.0 %
7d Sea turtle nesting areas	0.0 km	Not applicable
8a Regulated Vegetation - Endangered/Of concern in Category B (remnant)	4170.43 ha	9.3%
8b Regulated Vegetation - Endangered/Of concern in Category C (regrowth)	434.45 ha	1.0%
8c Regulated Vegetation - Category R (GBR riverine regrowth)	61.79 ha	0.1%
8d Regulated Vegetation - Essential habitat	3040.84 ha	6.7%
8e Regulated Vegetation - intersecting a watercourse	261.5 km	Not applicable
8f Regulated Vegetation - within 100m of a Vegetation Management Wetland	361.73 ha	0.8%
9a Legally secured offset areas- offset register areas	0.0 ha	0.0 %
9b Legally secured offset areas- vegetation offsets through a Property Map of Assessable Vegetation	0.0 ha	0.0 %

---

## Additional Information with Respect to MSES Values Present

### MSES - State Conservation Areas

#### 1a. Protected Areas - estates

(no results)

#### 1b. Protected Areas - nature refuges

Name
Kenmare Nature Refuge

#### 1c. Protected Areas - special wildlife reserves

(no results)

### 2. State Marine Parks - highly protected zones

(no results)

### 3. Fish habitat areas (A and B areas)

(no results)

Refer to **Map 1 - MSES - State Conservation Areas** for an overview of the relevant MSES.

### MSES - Wetlands and Waterways

#### 4. Strategic Environmental Areas (SEA)

(no results)

#### 5. High Ecological Significance wetlands on the Map of Queensland Wetland Environmental Values

Natural wetlands that are 'High Ecological Significance' (HES) on the Map of Queensland Wetland Environmental Values are present.

#### 6a. Wetlands in High Ecological Value (HEV) waters

(no results)

#### 6b. Waterways in High Ecological Value (HEV) waters

(no results)

Refer to **Map 2 - MSES - Wetlands and Waterways** for an overview of the relevant MSES.

### MSES - Species



**7a. Threatened (endangered or vulnerable) wildlife**

Values are present

**7b. Special least concern animals**

Not applicable

**7c i. Koala habitat area - core (SEQ)**

Not applicable

**7c ii. Koala habitat area - locally refined (SEQ)**

Not applicable

**7d. Wildlife habitat (sea turtle nesting areas)**

Not applicable

**Threatened (endangered or vulnerable) wildlife habitat suitability models**

Species	Common name	NCA status	Presence
<i>Boronia keysii</i>		V	None
<i>Calyptorhynchus lathami</i>	Glossy black cockatoo	V	None
<i>Casuarius casuarius johnsonii</i>	Sthn population cassowary	E	None
<i>Crinia tinnula</i>	Wallum froglet	V	None
<i>Denisonia maculata</i>	Ornamental snake	V	Core
<i>Litoria freycineti</i>	Wallum rocketfrog	V	None
<i>Litoria olongburensis</i>	Wallum sedgefrog	V	None
<i>Macadamia integrifolia</i>		V	None
<i>Macadamia ternifolia</i>		V	None
<i>Macadamia tetraphylla</i>		V	None
<i>Melaleuca irbyana</i>		E	None
<i>Petaurus gracilis</i>	Mahogany Glider	E	None
<i>Petrogale persephone</i>	Proserpine rock-wallaby	E	None
<i>Pezoporus wallicus wallicus</i>	Eastern ground parrot	V	None
<i>Phascolarctos cinereus</i>	Koala - outside SEQ*	V	None
<i>Taudactylus pleione</i>	Kroombit tinkerfrog	E	None
<i>Xeromys myoides</i>	Water Mouse	V	None

\*For koala model, this includes areas outside SEQ. Check 7c SEQ koala habitat for presence/absence.

**Threatened (endangered or vulnerable) wildlife species records**

Scientific name	Common name	NCA status	EPBC status	Migratory status
<i>Phascolarctos cinereus</i>	koala	E	E	

Scientific name	Common name	NCA status	EPBC status	Migratory status
<i>Rostratula australis</i>	Australian painted-snipe	E	E	

### Special least concern animal species records

(no results)

### Shorebird habitat (critically endangered/endangered/vulnerable)

Not applicable

### Shorebird habitat (special least concern)

Not applicable

*\*Nature Conservation Act 1992 (NCA) Status- Endangered (E), Vulnerable (V) or Special Least Concern Animal (SL). Environment Protection and Biodiversity Conservation Act 1999 (EPBC) status: Critically Endangered (CE) Endangered (E), Vulnerable (V)*

*Migratory status (M) - China and Australia Migratory Bird Agreement (C), Japan and Australia Migratory Bird Agreement (J), Republic of Korea and Australia Migratory Bird Agreement (R), Bonn Migratory Convention (B), Eastern Flyway (E)*

To request a species list for an area, or search for a species profile, access Wildlife Online at:

<https://www.qld.gov.au/environment/plants-animals/species-list/>

Refer to **Map 3a - MSES - Species - Threatened (endangered or vulnerable) wildlife and special least concern animals**, **Map 3b - MSES - Species - Koala habitat area (SEQ)** and **Map 3c - MSES - Wildlife habitat (sea turtle nesting areas)** for an overview of the relevant MSES.

## MSES - Regulated Vegetation

For further information relating to regional ecosystems in general, go to:

<https://www.qld.gov.au/environment/plants-animals/plants/ecosystems/>

For a more detailed description of a particular regional ecosystem, access the regional ecosystem search page at:

<https://environment.ehp.qld.gov.au/regional-ecosystems/>

### 8a. Regulated Vegetation - Endangered/Of concern in Category B (remnant)

Regional ecosystem	Vegetation management polygon	Vegetation management status
11.4.9	E-dom	rem_end
11.5.3/11.5.16	E-subdom	rem_end
11.5.3/11.4.8	E-subdom	rem_end
11.5.16	E-dom	rem_end
11.3.1/11.3.3	E-dom	rem_end
11.3.1	E-dom	rem_end
11.3.25/11.3.3	O-subdom	rem_oc
11.4.9a	E-dom	rem_end
11.4.8	E-dom	rem_end
11.3.3/11.3.1	E-subdom	rem_end

Regional ecosystem	Vegetation management polygon	Vegetation management status
11.8.11	O-dom	rem_oc
11.3.2/11.3.25	O-dom	rem_oc
11.5.9b/11.5.18	O-subdom	rem_oc
11.4.9/11.4.8	E-dom	rem_end
11.5.10	O-dom	rem_oc
11.9.5	E-dom	rem_end
11.3.2	O-dom	rem_oc
11.9.7/11.9.1	E-subdom	rem_end
11.9.1	E-dom	rem_end
11.3.3	O-dom	rem_oc
11.8.4/11.8.5/11.8.11	O-subdom	rem_oc
11.3.11	E-dom	rem_end

#### 8b. Regulated Vegetation - Endangered/Of concern in Category C (regrowth)

Regional ecosystem	Vegetation management polygon	Vegetation management status
11.5.3/11.4.8	E-subdom	hvr_end
11.5.9b/11.5.18	O-subdom	hvr_oc
11.3.1/11.3.3	E-dom	hvr_end
11.4.8	E-dom	hvr_end
11.5.16	E-dom	hvr_end
11.4.9	E-dom	hvr_end
11.5.10	O-dom	hvr_oc
11.5.3/11.5.16	E-subdom	hvr_end
11.9.5	E-dom	hvr_end
11.4.9/11.4.8	E-dom	hvr_end

#### 8c. Regulated Vegetation - Category R (GBR riverine regrowth)

Regulated vegetation map category	Map number
R	8550
R	8649
R	8549
R	8650

#### 8d. Regulated Vegetation - Essential habitat

Values are present

#### 8e. Regulated Vegetation - intersecting a watercourse\*\*

A vegetation management watercourse is mapped as present

**8f. Regulated Vegetation - within 100m of a Vegetation Management wetland**

Regulated vegetation map category	Map number
R	8649
B	8649
B	8650
C	8650
B	8550
A	8650

Refer to **Map 4 - MSES - Regulated Vegetation** for an overview of the relevant MSES.

**MSES - Offsets****9a. Legally secured offset areas - offset register areas**

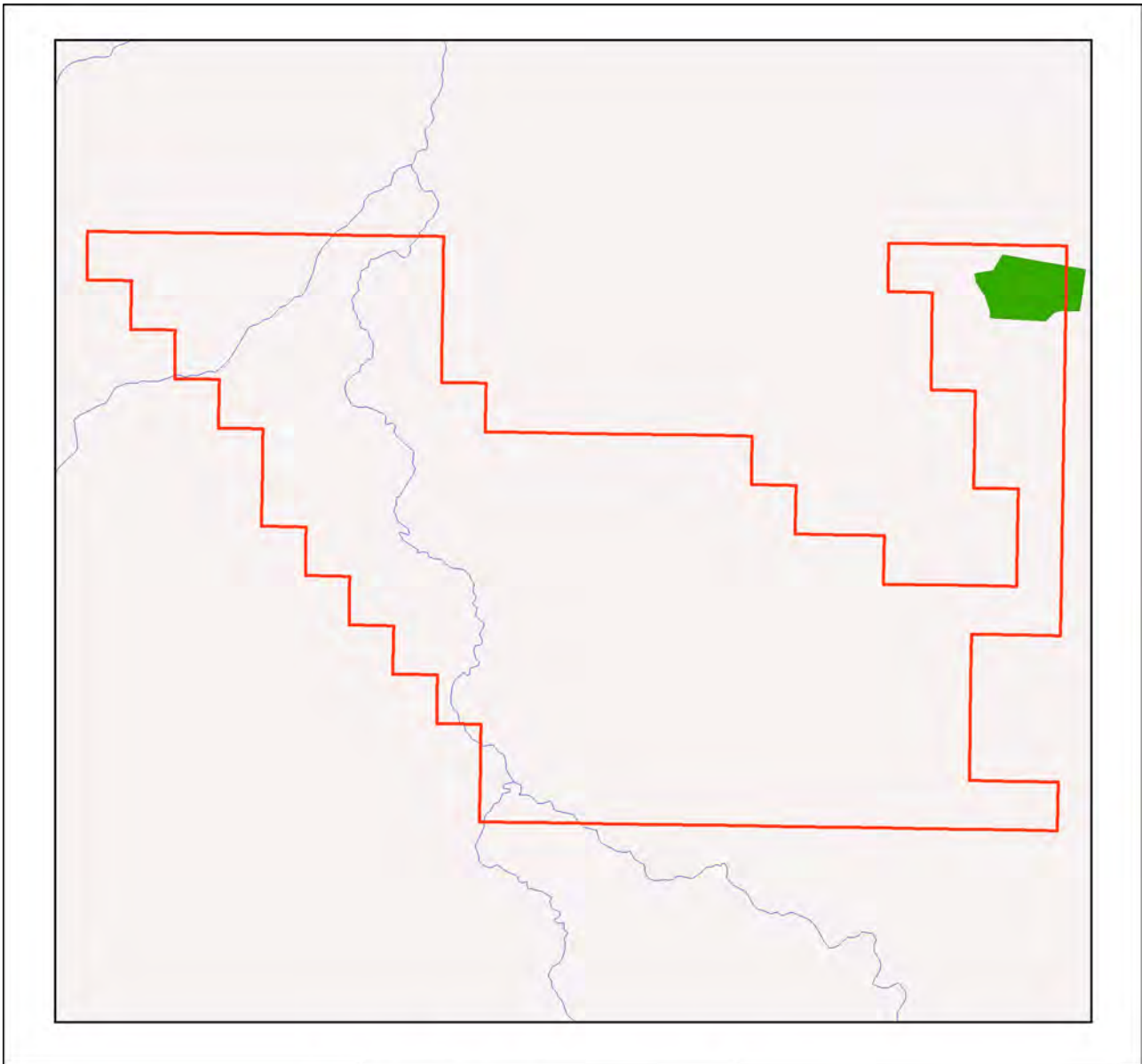
(no results)

**9b. Legally secured offset areas - vegetation offsets through a Property Map of Assessable Vegetation**

(no results)

Refer to **Map 5 - MSES - Offset Areas** for an overview of the relevant MSES.

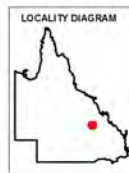
# Map 1 - MSES - State Conservation Areas



## MSES - State Conservation Areas

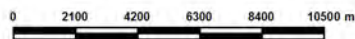
### Area of Interest

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Protected area (estates, nature refuges, special wildlife reserves)
- Declared fish habitat area (A and B areas)
- Marine park (highly protected)



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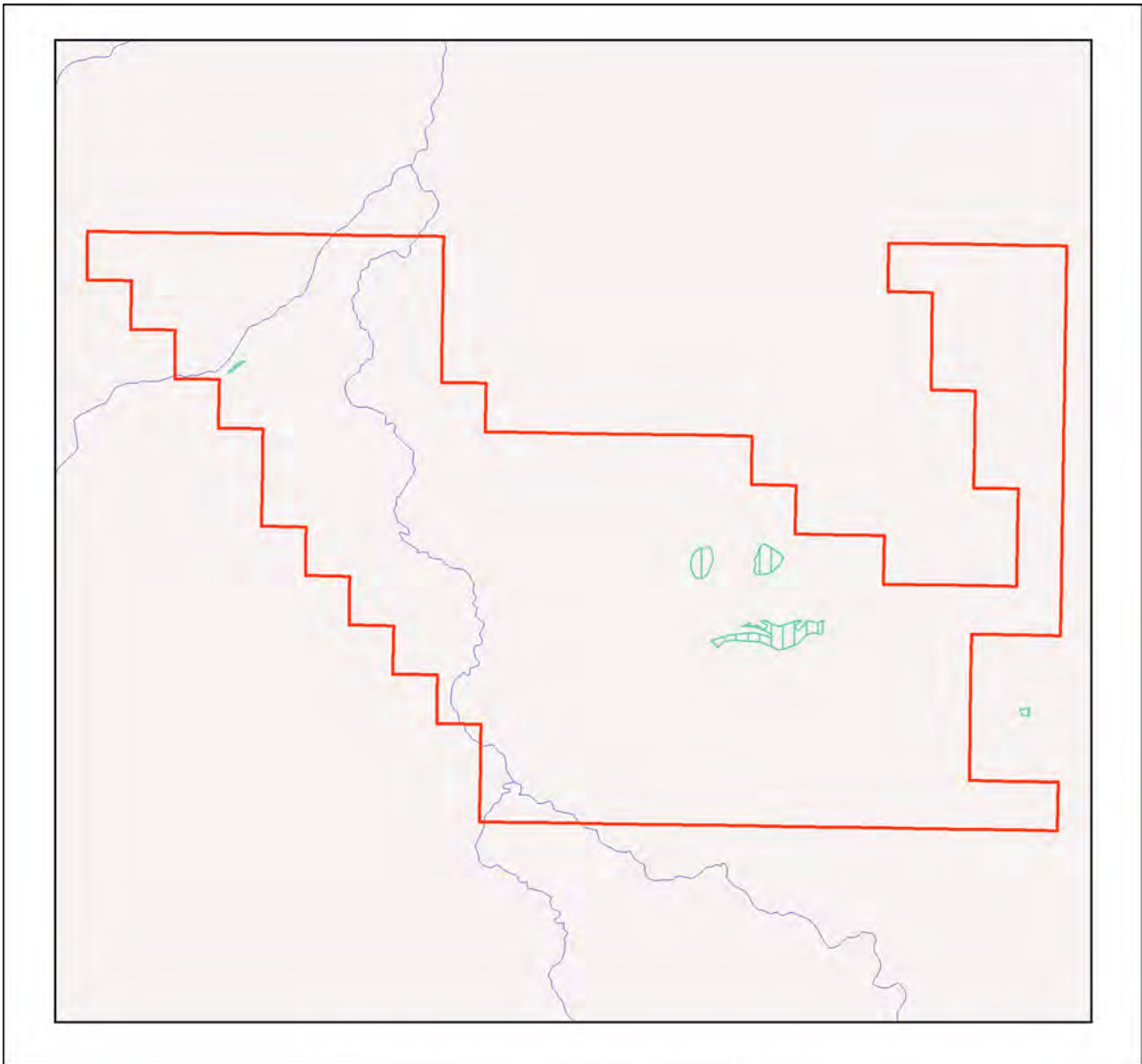
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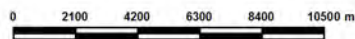
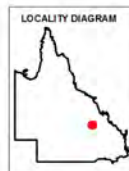
## Map 2 - MSES - Wetlands and Waterways



### MSES - Wetlands and Waterways

**Area of Interest**

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Declared high ecological value waters (watercourse)
- Strategic environmental area (designated precinct)
- Declared high ecological value waters (wetland)
- High ecological significance wetlands



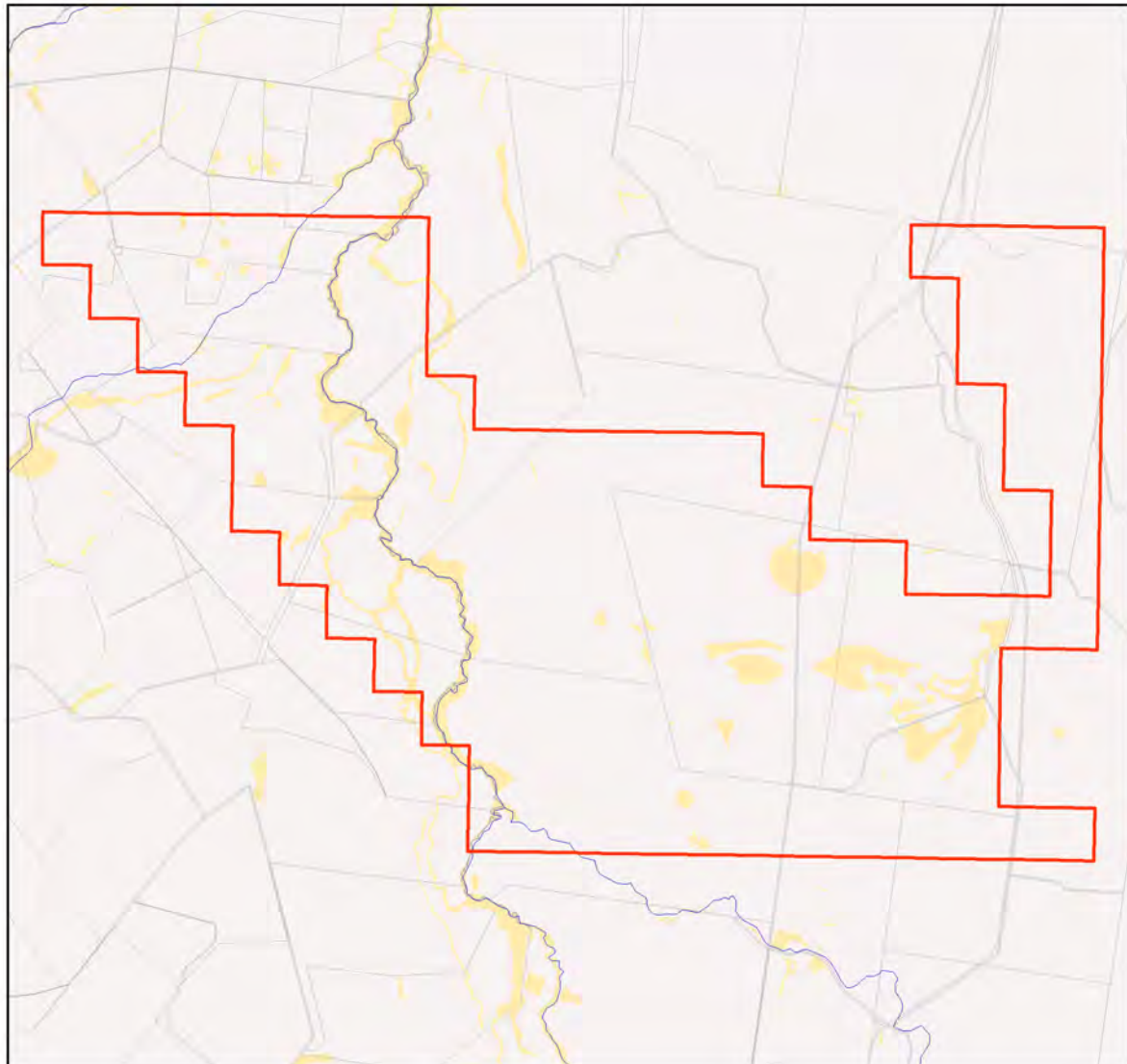
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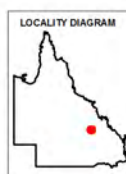
### Map 3a - MSES - Species - Threatened (endangered or vulnerable) wildlife and special least concern animals



#### MSES - Species Threatened (endangered or vulnerable) wildlife and special least concern animals

**Area of Interest**

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Wildlife habitat (special least concern)
- Wildlife habitat (endangered or vulnerable)



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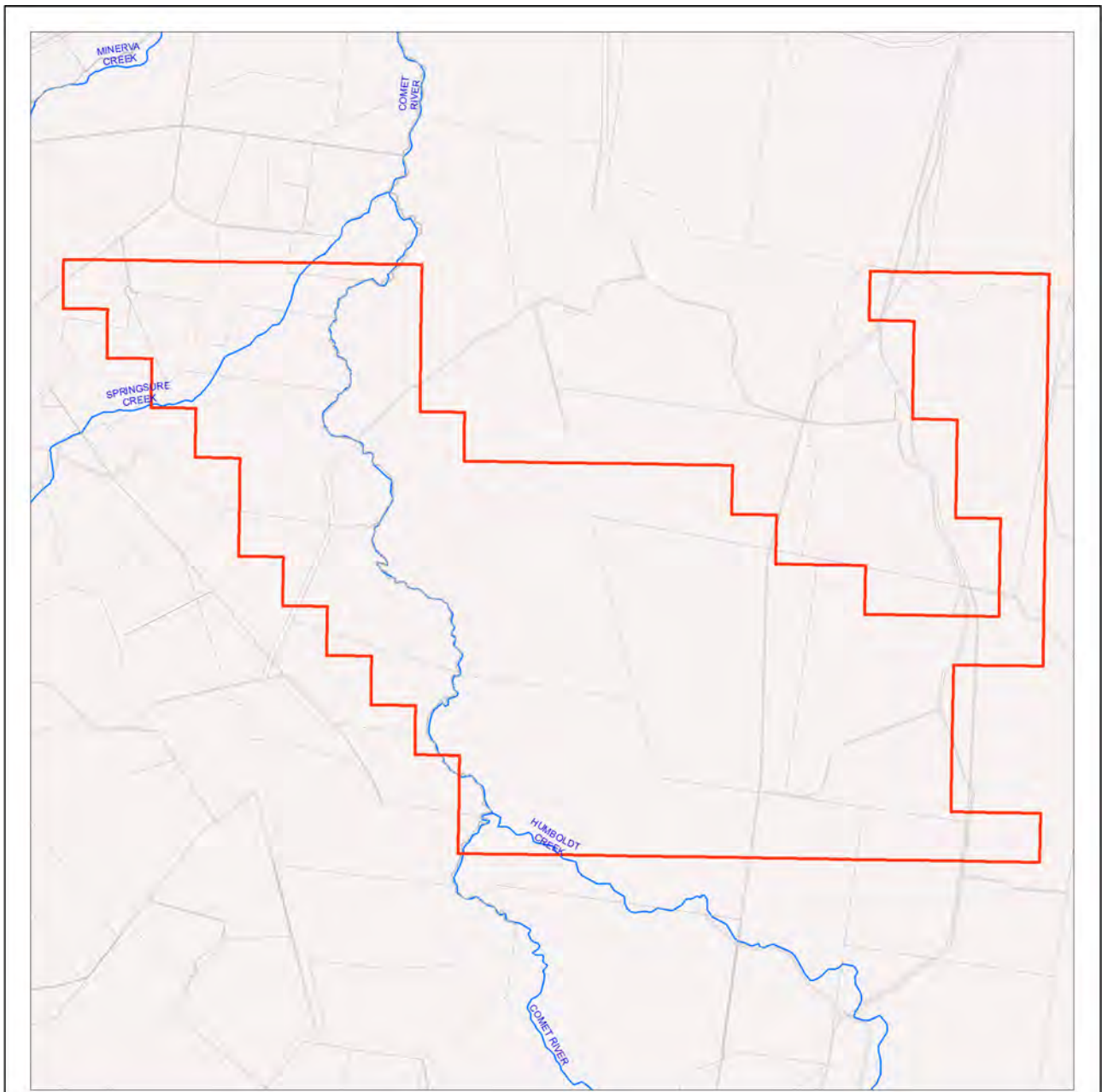
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### Map 3b - MSES - Species - Koala habitat area (SEQ)



### MSES - Species Koala habitat area (SEQ)

**Area of Interest**

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Koala habitat area (core)
- Koala habitat area (locally refined)



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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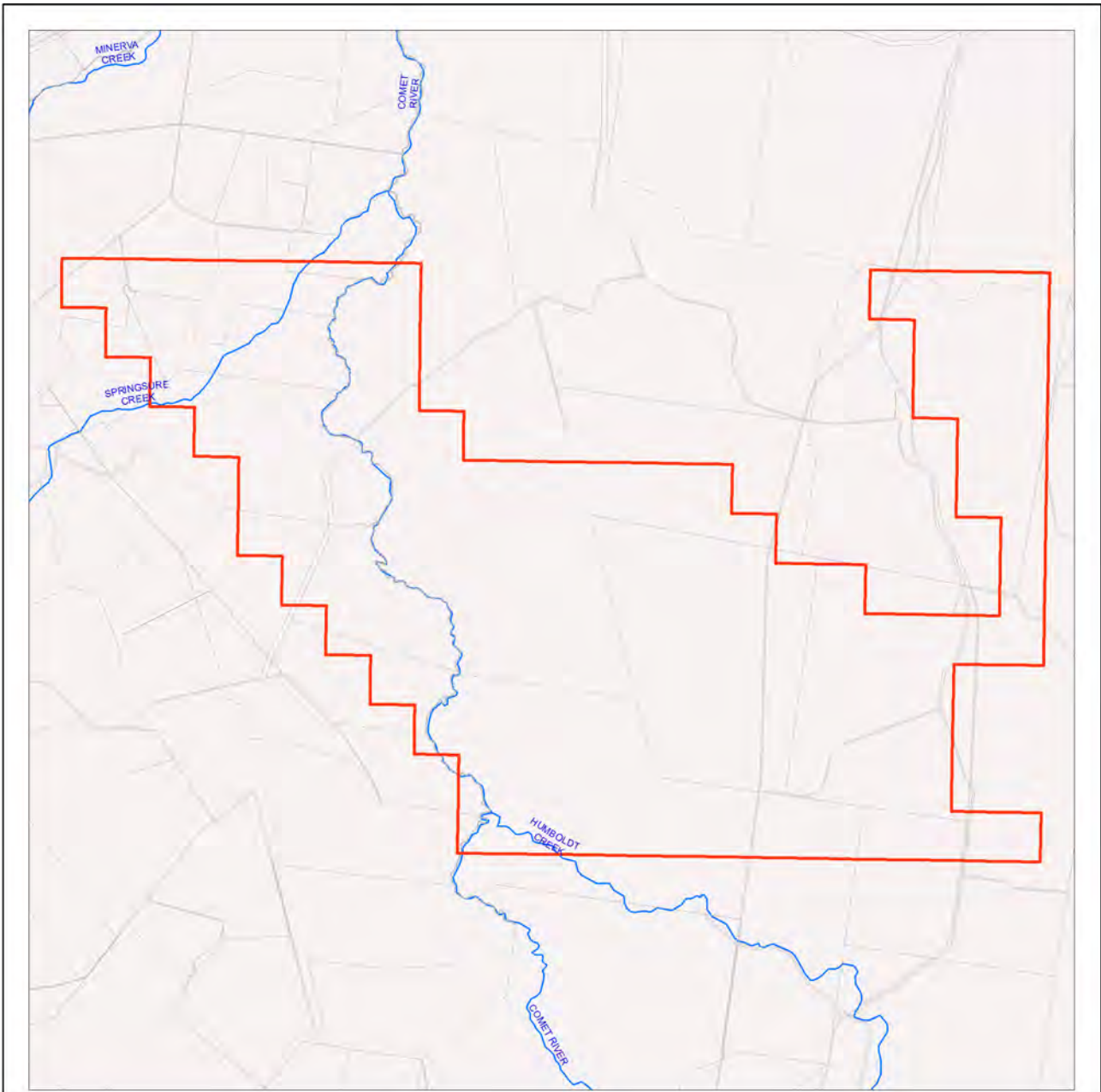
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The represented layers for SEQ 'koala habitat area-core' and 'koala habitat area- locally refined' in MSES are sourced directly from the regulatory mapping under the Nature Conservation (Koala) Conservation Plan 2017. Whilst every effort is made to ensure the information remains current, there may be delays between updating versions. Please refer to the original mapping for the most recent version. See <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping>



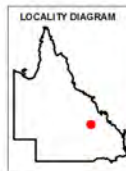
### Map 3c - MSES - Wildlife habitat (sea turtle nesting areas)



### MSES - Wildlife habitat (sea turtle nesting areas)

**Area of Interest**

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Wildlife habitat (sea turtle nesting areas)

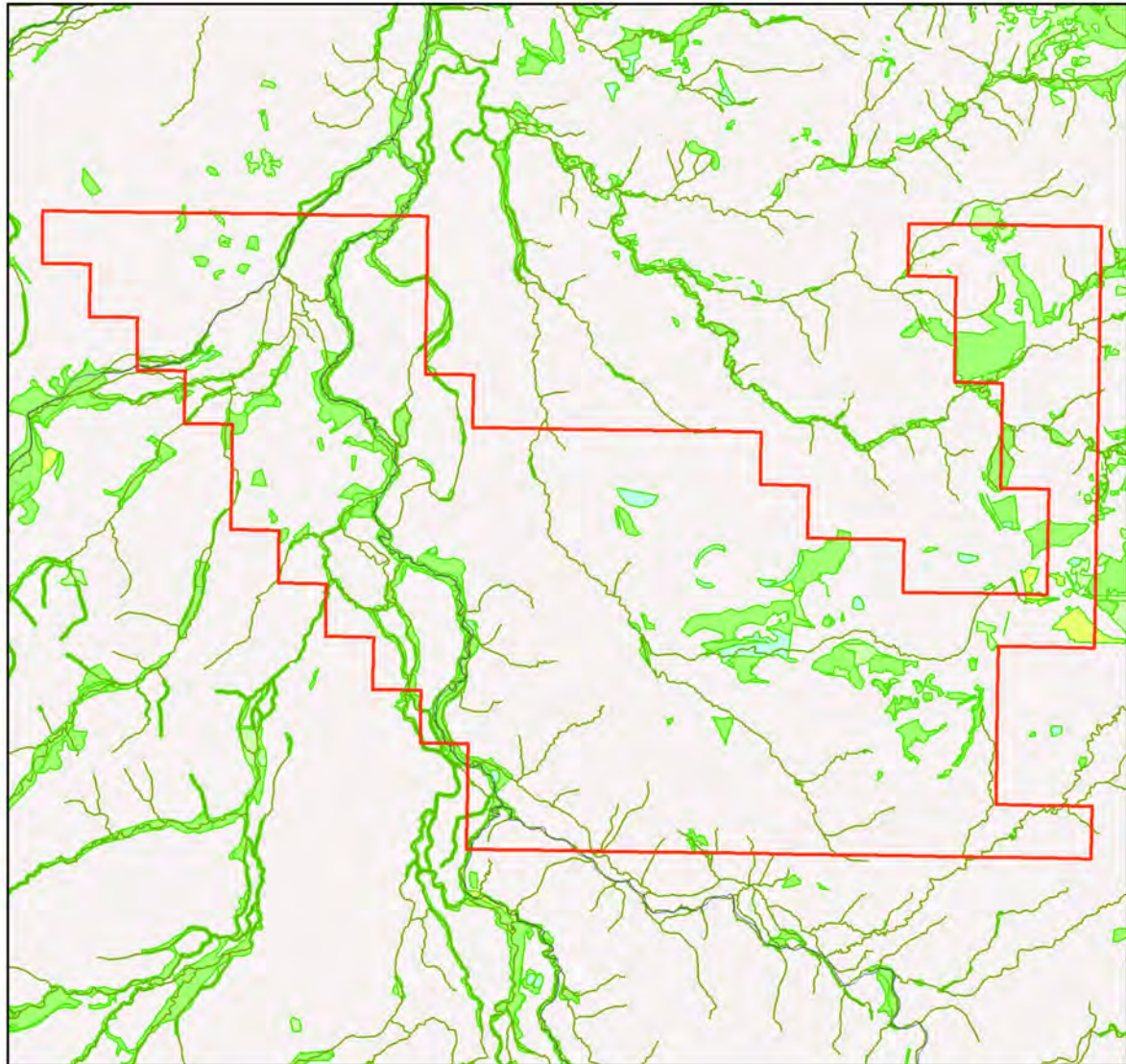


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MSES mapping of sea turtle nesting areas identifies beaches where the recorded number of turtle nests are over 1% of the turtle species or genetic stock. The linework is also deliberately extended along nearby rocky coastlines and headlands to recognise that significant numbers of nesting adults and hatchlings can become disoriented by light pollution from development on rocky coastlines and headlands while navigating offshore from nesting beaches.



### Map 4 - MSES - Regulated Vegetation



### MSES - Regulated Vegetation

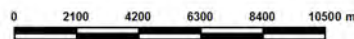
**Area of Interest**

- Selected Authority to Prospect (ATP)
- Towns
- Freeways/Highways
- Secondary roads
- Major rivers/creeks
- Regulated vegetation (intersecting a watercourse)
- Regulated vegetation (100m from wetland)
- Regulated vegetation (category B - endangered or of concern)
- Regulated vegetation (category C - endangered or of concern)
- Regulated vegetation (category R - GBR riverine)
- Regulated vegetation (essential habitat)



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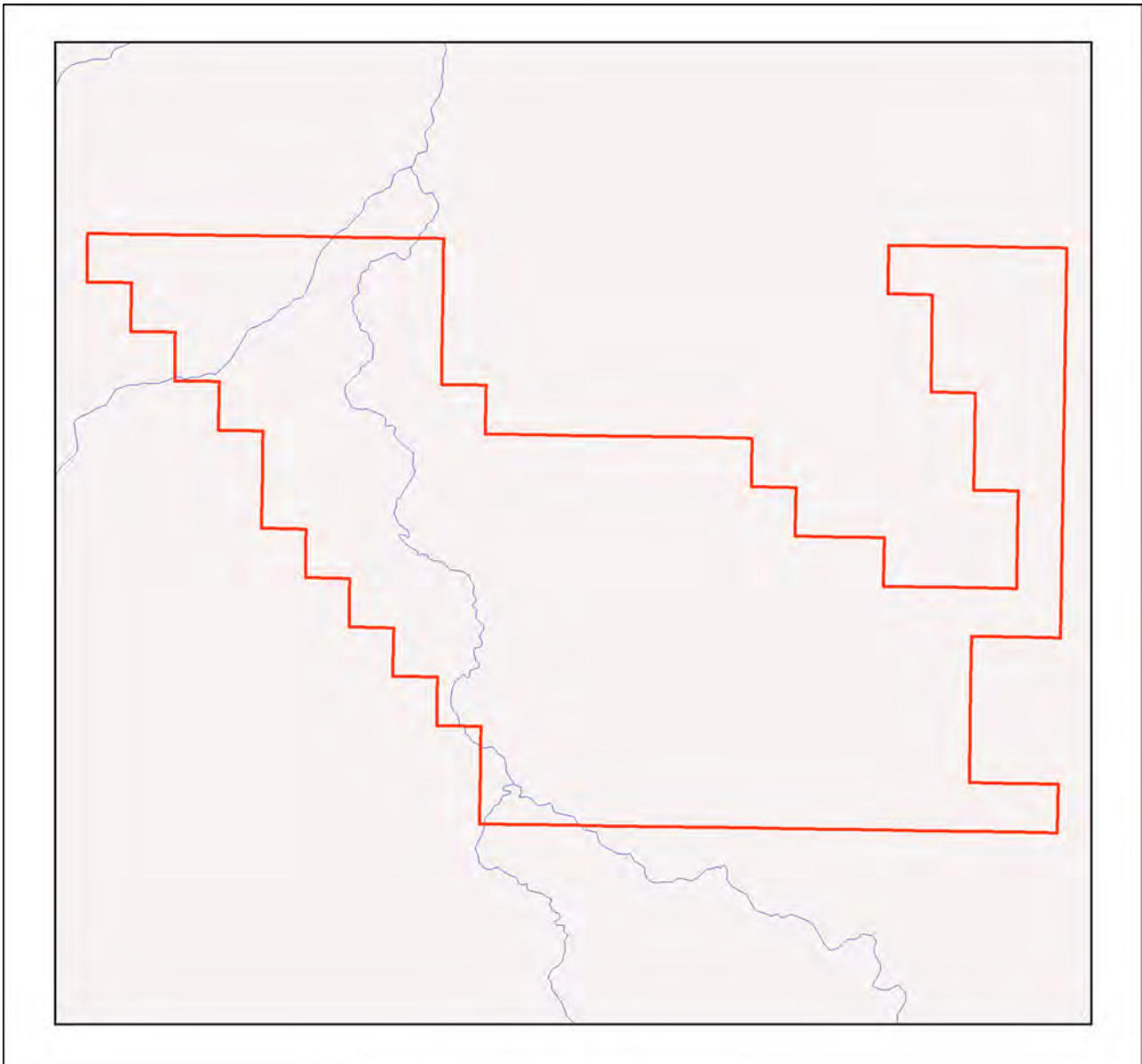
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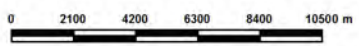
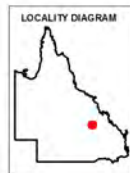
### Map 5 - MSES - Offset Areas



#### MSES - Offsets

##### Area of Interest

-  Selected Authority to Prospect (ATP)
-  Towns
-  Freeways/Highways
-  Secondary roads
-  Major rivers/creeks
-  Legally secured offset area (offset register)
-  Legally secured offset area (vegetation offsets)



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## Appendices

### Appendix 1 - Matters of State Environmental Significance (MSES) methodology

MSES mapping is a regional-scale representation of the definition for MSES under the State Planning Policy (SPP). The compiled MSES mapping product is a guide to assist planning and development assessment decision-making. Its primary purpose is to support implementation of the SPP biodiversity policy. While it supports the SPP, the mapping does not replace the regulatory mapping or environmental values specifically called up under other laws or regulations. Similarly, the SPP biodiversity policy does not override or replace specific requirements of other Acts or regulations.

The Queensland Government's "Method for mapping - matters of state environmental significance for use in land use planning and development assessment" can be downloaded from:

<http://www.ehp.qld.gov.au/land/natural-resource/method-mapping-mses.html> .

## Appendix 2 - Source Data

The datasets listed below are available on request from:

<http://qldspatial.information.qld.gov.au/catalogue/custom/index.page>

- Matters of State environmental significance

Note: MSES mapping is not based on new or unique data. The primary mapping product draws data from a number of underlying environment databases and geo-referenced information sources. MSES mapping is a versioned product that is updated generally on a twice-yearly basis to incorporate the changes to underlying data sources. Several components of MSES mapping made for the current version may differ from the current underlying data sources. To ensure accuracy, or proper representation of MSES values, it is strongly recommended that users refer to the underlying data sources and review the current definition of MSES in the State Planning Policy, before applying the MSES mapping.

Individual MSES layers can be attributed to the following source data available at QSpatial:

<b>MSES layers</b>	<b>current QSpatial data (<a href="http://qspatial.information.qld.gov.au">http://qspatial.information.qld.gov.au</a>)</b>
Protected Areas-Estates, Nature Refuges, Special Wildlife Reserves	- Protected areas of Queensland - Nature Refuges - Queensland - Special Wildlife Reserves- Queensland
Marine Park-Highly Protected Zones	Moreton Bay marine park zoning 2008
Fish Habitat Areas	Queensland fish habitat areas
Strategic Environmental Areas-designated	Regional Planning Interests Act - Strategic Environmental Areas
HES wetlands	Map of Queensland Wetland Environmental Values
Wetlands in HEV waters	HEV waters: - EPP Water intent for waters Source Wetlands: - Queensland Wetland Mapping (Current version 5) Source Watercourses: - Vegetation management watercourse and drainage feature map (1:100000 and 1:250000)
Wildlife habitat (threatened and special least concern)	- WildNet database species records - habitat suitability models (various) - SEQ koala habitat areas under the Koala Conservation Plan 2019 - Sea Turtle Nesting Areas records
VMA regulated regional ecosystems	Vegetation management regional ecosystem and remnant map
VMA Essential Habitat	Vegetation management - essential habitat map
VMA Wetlands	Vegetation management wetlands map
Legally secured offsets	Vegetation Management Act property maps of assessable vegetation. For offset register data-contact DES
Regulated Vegetation Map	Vegetation management - regulated vegetation management map

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## Appendix 3 - Acronyms and Abbreviations

AOI	- Area of Interest
DES	- Department of Environment and Science
EP Act	- <i>Environmental Protection Act 1994</i>
EPP	- Environmental Protection Policy
GDA94	- Geocentric Datum of Australia 1994
GEM	- General Environmental Matters
GIS	- Geographic Information System
MSES	- Matters of State Environmental Significance
NCA	- <i>Nature Conservation Act 1992</i>
RE	- Regional Ecosystem
SPP	- State Planning Policy
VMA	- <i>Vegetation Management Act 1999</i>



Australian Government

Department of Climate Change, Energy,  
the Environment and Water

# EPBC Act Protected Matters Report

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

Report created: 20-Jan-2023

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

# Summary

## Matters of National Environment Significance

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

<a href="#">World Heritage Properties:</a>	None
<a href="#">National Heritage Places:</a>	None
<a href="#">Wetlands of International Importance (Ramsar)</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>	5
<a href="#">Listed Threatened Species:</a>	26
<a href="#">Listed Migratory Species:</a>	9

## Other Matters Protected by the EPBC Act

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

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

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

<a href="#">Commonwealth Lands:</a>	None
<a href="#">Commonwealth Heritage Places:</a>	None
<a href="#">Listed Marine Species:</a>	14
<a href="#">Whales and Other Cetaceans:</a>	None
<a href="#">Critical Habitats:</a>	None
<a href="#">Commonwealth Reserves Terrestrial:</a>	None
<a href="#">Australian Marine Parks:</a>	None
<a href="#">Habitat Critical to the Survival of Marine Turtles:</a>	None

## Extra Information

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

<a href="#">State and Territory Reserves:</a>	None
<a href="#">Regional Forest Agreements:</a>	None
<a href="#">Nationally Important Wetlands:</a>	None
<a href="#">EPBC Act Referrals:</a>	9
<a href="#">Key Ecological Features (Marine):</a>	None
<a href="#">Biologically Important Areas:</a>	None
<a href="#">Bioregional Assessments:</a>	None
<a href="#">Geological and Bioregional Assessments:</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.

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

Community Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Brigalow (Acacia harpophylla dominant and co-dominant)</a>	Endangered	Community known to occur within area	In feature area
<a href="#">Natural Grasslands of the Queensland Central Highlands and northern Fitzroy Basin</a>	Endangered	Community likely to occur within area	In feature area
<a href="#">Poplar Box Grassy Woodland on Alluvial Plains</a>	Endangered	Community likely to occur within area	In feature area
<a href="#">Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</a>	Endangered	Community likely to occur within area	In buffer area only
<a href="#">Weeping Myall Woodlands</a>	Endangered	Community likely to occur within area	In feature area

### Listed Threatened Species

[\[ Resource Information \]](#)

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
<b>BIRD</b>			
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Erythrotriorchis radiatus</a> Red Goshawk [942]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Falco hypoleucos</a> Grey Falcon [929]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Geophaps scripta scripta</a> Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Grantiella picta</a> Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Neochmia ruficauda ruficauda</a> Star Finch (eastern), Star Finch (southern) [26027]	Endangered	Species or species habitat likely to occur within area	In feature area
<a href="#">Poephila cincta cincta</a> Southern Black-throated Finch [64447]	Endangered	Species or species habitat may occur within area	In buffer area only
<a href="#">Rostratula australis</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area	In feature area
<b>MAMMAL</b>			
<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	In feature area
<a href="#">Macroderma gigas</a> Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Nyctophilus corbeni</a> Corben's Long-eared Bat, South-eastern Long-eared Bat [83395]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Petauroides volans</a> Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area	In feature area
<a href="#">Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)</a> Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat likely to occur within area	In feature area

**PLANT**

Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Aristida annua</a> [17906]	Vulnerable	Species or species habitat known to occur within area	In feature area
<a href="#">Bertya opposens</a> [13792]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
<a href="#">Cadellia pentastylis</a> Ooline [9828]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Dichanthium queenslandicum</a> King Blue-grass [5481]	Endangered	Species or species habitat likely to occur within area	In feature area
<a href="#">Dichanthium setosum</a> bluegrass [14159]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Leichhardtia brevifolia listed as Marsdenia brevifolia</a> [91893]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Solanum dissectum</a> [75720]	Endangered	Species or species habitat may occur within area	In buffer area only
<b>REPTILE</b>			
<a href="#">Delma torquata</a> Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area	In feature area
<a href="#">Denisonia maculata</a> Ornamental Snake [1193]	Vulnerable	Species or species habitat likely to occur within area	In feature area
<a href="#">Egernia rugosa</a> Yakka Skink [1420]	Vulnerable	Species or species habitat likely to occur within area	In feature area
<a href="#">Elseya albagula</a> Southern Snapping Turtle, White-throated Snapping Turtle [81648]	Critically Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Hemiaspis damelii</a> Grey Snake [1179]	Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Rheodytes leukops</a> Fitzroy River Turtle, Fitzroy Tortoise, Fitzroy Turtle, White-eyed River Diver [1761]	Vulnerable	Species or species habitat likely to occur within area	In feature area

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

Scientific Name	Threatened Category	Presence Text	Buffer Status
<b>Migratory Marine Birds</b>			
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area

### Migratory Terrestrial Species

<a href="#">Cuculus optatus</a> Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area	In feature area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat may occur within area	In feature area

### Migratory Wetlands Species

<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area	In feature area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area	In feature area

## Other Matters Protected by the EPBC Act

Listed Marine Species			[ Resource Information ]
Scientific Name	Threatened Category	Presence Text	Buffer Status
<b>Bird</b>			
<a href="#">Actitis hypoleucos</a> Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
<a href="#">Anseranas semipalmata</a> Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Apus pacificus</a> Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
<a href="#">Bubulcus ibis as Ardea ibis</a> Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Calidris acuminata</a> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area	In feature area
<a href="#">Calidris ferruginea</a> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
<a href="#">Calidris melanotos</a> Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Chalcites osculans as Chrysococcyx osculans</a> Black-eared Cuckoo [83425]		Species or species habitat likely to occur within area overfly marine area	In feature area
<a href="#">Gallinago hardwickii</a> Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Haliaeetus leucogaster</a> White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area	In feature area
<a href="#">Merops ornatus</a> Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Motacilla flava</a> Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Myiagra cyanoleuca</a> Satin Flycatcher [612]		Species or species habitat may occur within area overfly marine area	In feature area
<a href="#">Rostratula australis as Rostratula benghalensis (sensu lato)</a> Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area overfly marine area	In feature area

## Extra Information

EPBC Act Referrals			[ Resource Information ]	
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
<a href="#">Blackwater Mine South Coking Coal Project</a>	2022/09279		Assessment	In feature area
<a href="#">rail track to link the proposed MIM Rolleston coal mine to existing rail network</a>	2002/637		Post-Approval	In buffer area only
<b>Controlled action</b>				
<a href="#">Arcturus Coal Project; A combined open cut and underground longwall coal mine</a>	2010/5783	Controlled Action	Completed	In buffer area only
<a href="#">Coal Seam Gas Field Development for Natural Gas Liquefaction Park, Curtis Island</a>	2008/4059	Controlled Action	Completed	In feature area
<a href="#">Springsure Creek Coal Project</a>	2010/5782	Controlled Action	Post-Approval	In feature area
<a href="#">ZeroGen Integrated Gasification Combined Cycle Power Plant and CO2 Capture, Transport and Storage</a>	2009/5195	Controlled Action	Completed	In feature area
<b>Not controlled action</b>				
<a href="#">Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia</a>	2015/7522	Not Controlled Action	Completed	In feature area
<a href="#">Mahalo Development Area CSG Project</a>	2019/8534	Not Controlled Action	Completed	In feature area
<b>Not controlled action (particular manner)</b>				
<a href="#">Blackwater to Rolleston 132 kV transmission line</a>	2002/880	Not Controlled Action (Particular Manner)	Post-Approval	In feature area

# Caveat

## 1 PURPOSE

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

The report contains the mapped locations of:

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

## 2 DISCLAIMER

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

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

## 3 DATA SOURCES

Threatened ecological communities

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

Threatened, migratory and marine species

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

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

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

## 4 LIMITATIONS

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

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

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

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

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

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



# Acknowledgements

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

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

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

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

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## **Vegetation management report**

For Lot: 5 Plan: WNA106

06/02/2023

This publication has been compiled by Operations Support, Department of Resources.

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2022 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: 5 Plan: WNA106, 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)
5	WNA106	Freehold	111,790,360
P	WNA807841	Easement	30,690
J	SP173039	Easement	110,100
K	SP173039	Easement	53,440
L	SP173040	Easement	288,500

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.

### Does this property have a freehold tenure and is in the Wet Tropics of Queensland World Heritage Area?

No, this property is not located in the Wet Tropics of Queensland World Heritage Area.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 5 Plan: WNA106, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Central Highlands Regional

Bioregion(s)	Subregion(s)
Brigalow Belt	Isaac - Comet Downs
Brigalow Belt	Basalt Downs

Catchment(s)
Fitzroy



## 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: 5 Plan: WNA106

#### 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: 11161.34ha**

Vegetation category	Area (ha)
Category B	626.8
Category C	0.4
Category R	4.4
Category X	10529.6

**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)

The following Property Map of Assessable Vegetation (PMAVs) may be present on this property:

**Reference number**

2020/011212

2019/003748

**Reference number**

2005/109062

2007/010766

2005/109725

2012/007553

## 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
11.3.1	Endangered	B	136.36	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.1	Endangered	C	0.09	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.1	Endangered	R	1.18	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.11	Endangered	B	34.44	Semi-evergreen vine thicket on alluvial plains	Dense
11.3.11	Endangered	R	less than 0.01	Semi-evergreen vine thicket on alluvial plains	Dense
11.3.2	Of concern	B	23.35	Eucalyptus populnea woodland on alluvial plains	Sparse
11.3.2	Of concern	C	0.34	Eucalyptus populnea woodland on alluvial plains	Sparse
11.3.2	Of concern	R	1.19	Eucalyptus populnea woodland on alluvial plains	Sparse
11.3.25	Least concern	B	147.14	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.25	Least concern	R	1.14	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.3	Of concern	B	180.44	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.3.3	Of concern	C	less than 0.01	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.3.3	Of concern	R	0.16	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.4.8	Endangered	B	4.06	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	R	0.15	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.9	Endangered	B	2.68	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.4.9	Endangered	R	0.61	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.5.3	Least concern	B	82.48	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
11.5.3	Least concern	C	less than 0.01	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.8.11	Of concern	B	3.18	Dichanthium sericeum grassland on Cainozoic igneous rocks	Grassland Sch 4
11.8.4	Least concern	B	9.53	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	Very sparse
11.8.5	Least concern	B	3.18	Eucalyptus orgadophila open woodland on Cainozoic igneous rocks	Very sparse
11.9.4	Of concern	R	less than 0.01	Semi-evergreen vine thicket or Acacia harpophylla with a semi-evergreen vine thicket understorey on fine-grained sedimentary rocks	Dense
non-rem	None	X	10,529.65	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

Vegetation management wetlands are present on this property and are shown on the vegetation management supporting map in section 4.2 of this report.

### 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
483	Denisonia maculata	ornamental snake	V	Riparian woodland/open forest and shrub/woodland including Brigalow Acacia harpophylla; into drier habitats in summer.	100-450m.	Cracking clay with gilgai/soil crack microrelief and sandy loam substrates.	Near freshwater waterholes/creeks and low lying poorly drained areas that are frequently inundated by freshwater.

Label	Regional Ecosystem (mandatory unless otherwise specified)
483	10.3.2, 10.3.3, 10.3.4, 10.3.7, 10.3.13, 10.3.14, 10.3.15, 10.3.16, 10.3.27, 10.3.30, 10.3.31, 10.4.1, 10.4.2, 10.4.3, 10.4.4, 10.4.5, 10.4.6, 10.4.7, 10.4.8, 10.5.5, 10.9.1, 10.9.6, 10.9.7, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.6, 11.3.9, 11.3.10, 11.3.12, 11.3.15, 11.3.21, 11.3.23, 11.3.24, 11.3.25, 11.3.27, 11.3.28, 11.3.31, 11.3.34, 11.3.37, 11.3.38, 11.3.40, 11.4.2, 11.4.3, 11.4.4, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.11, 11.5.2, 11.5.3, 11.5.16, 11.8.11, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.7, 11.9.11, 11.9.12, 11.9.14, 11.11.15, 11.12.6

### 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\*

Non 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?**

Class A (with urban areas masked as per SPP): 3610.37ha

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: 5 Plan: WNA106.

## 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**

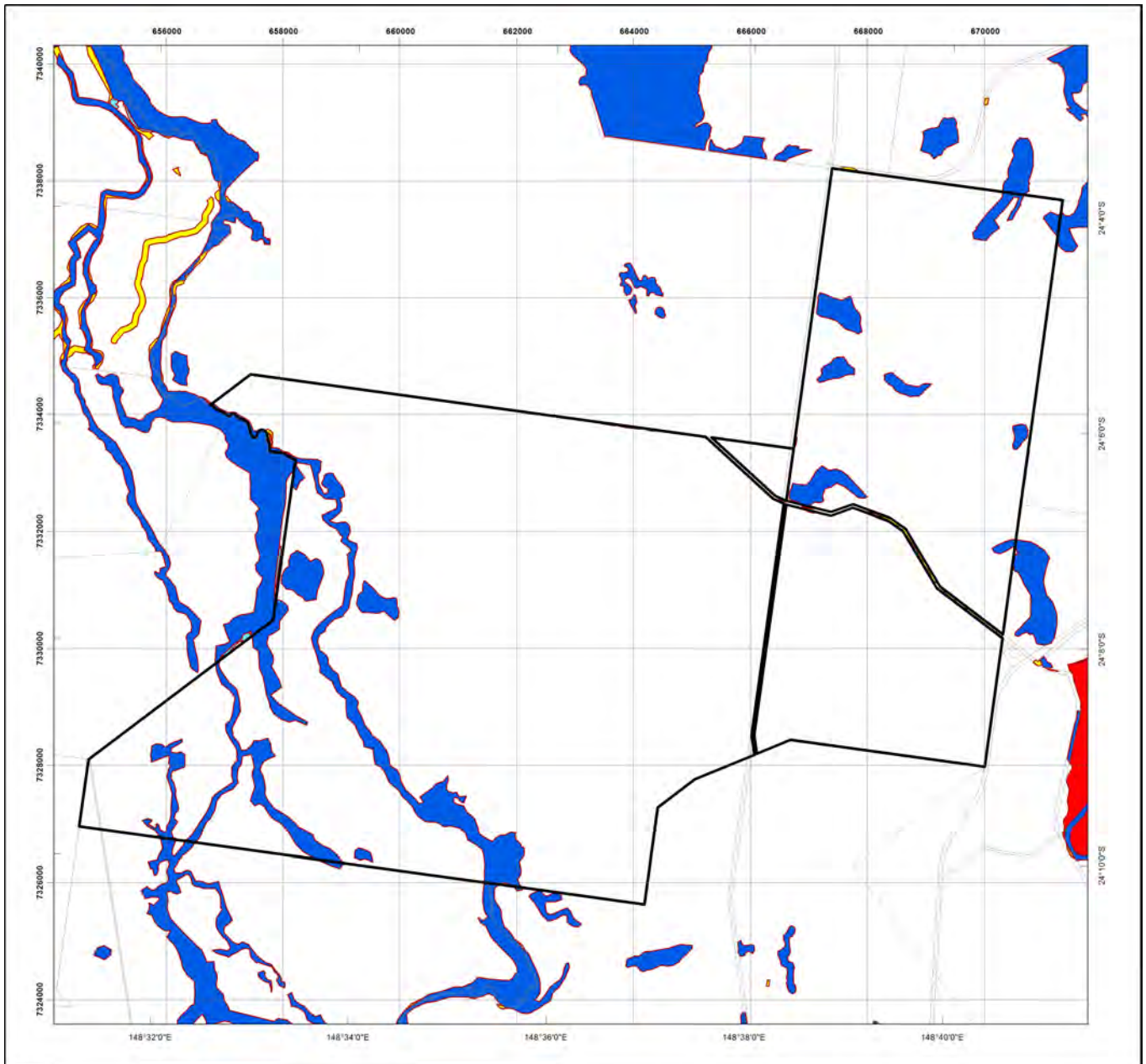
The coastal/non-coastal map confirms whether the lot, or which parts of the lot, are considered coastal or non-coastal for the purposes of the accepted development vegetation clearing codes and State Code 16 of the State Development Assessment Provisions (SDAP).

### **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
- Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 55

### 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.

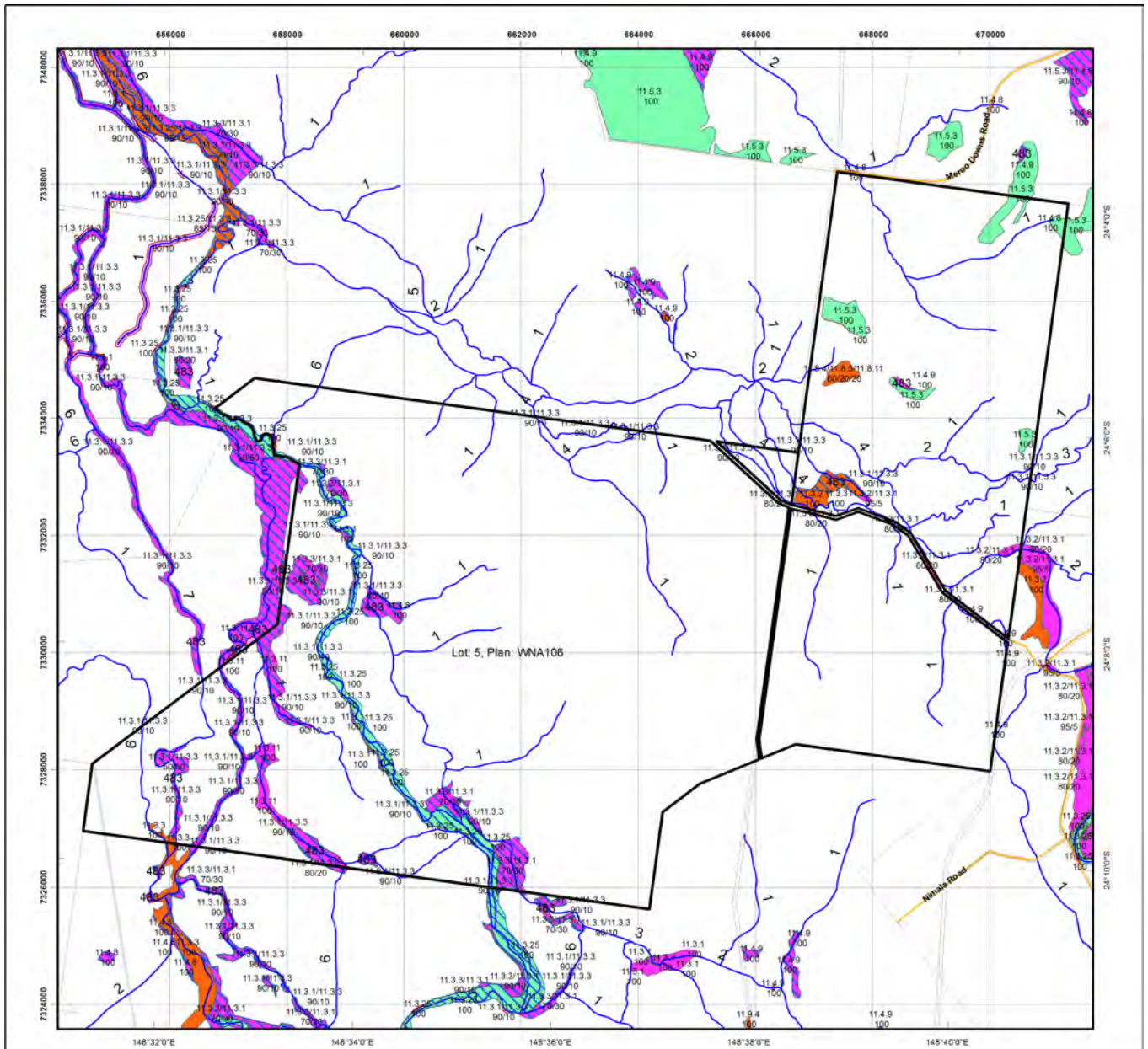
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

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.



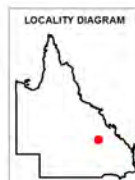
## 4.2 Vegetation management supporting map



### 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



0 690 1,380 2,070 2,760 3,450 m

This product is projected into:  
GDA 1994 MGA Zone 55

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.

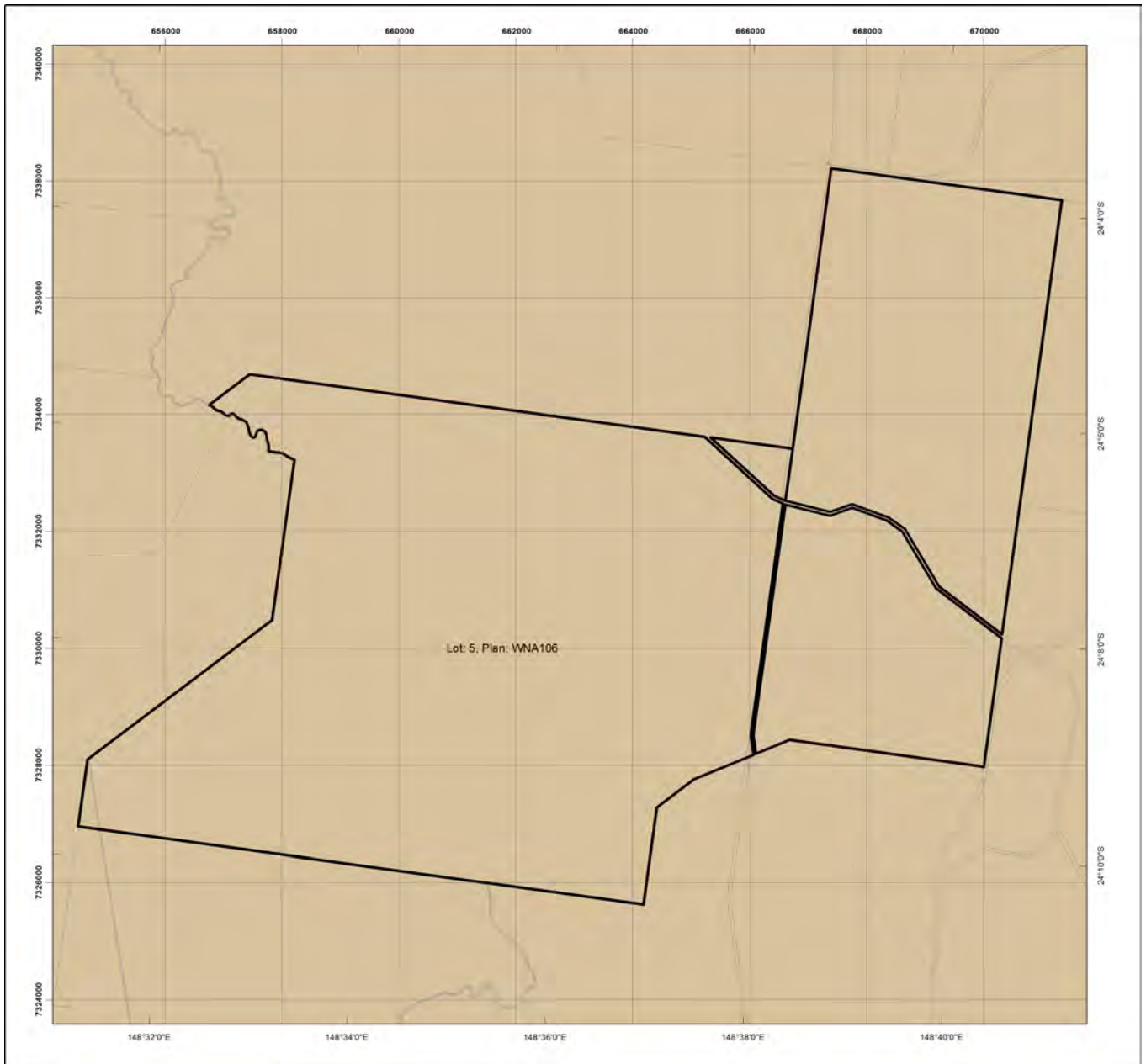
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Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact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

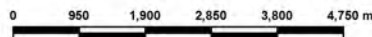
# 4.3 Coastal/non-coastal map



## 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 55

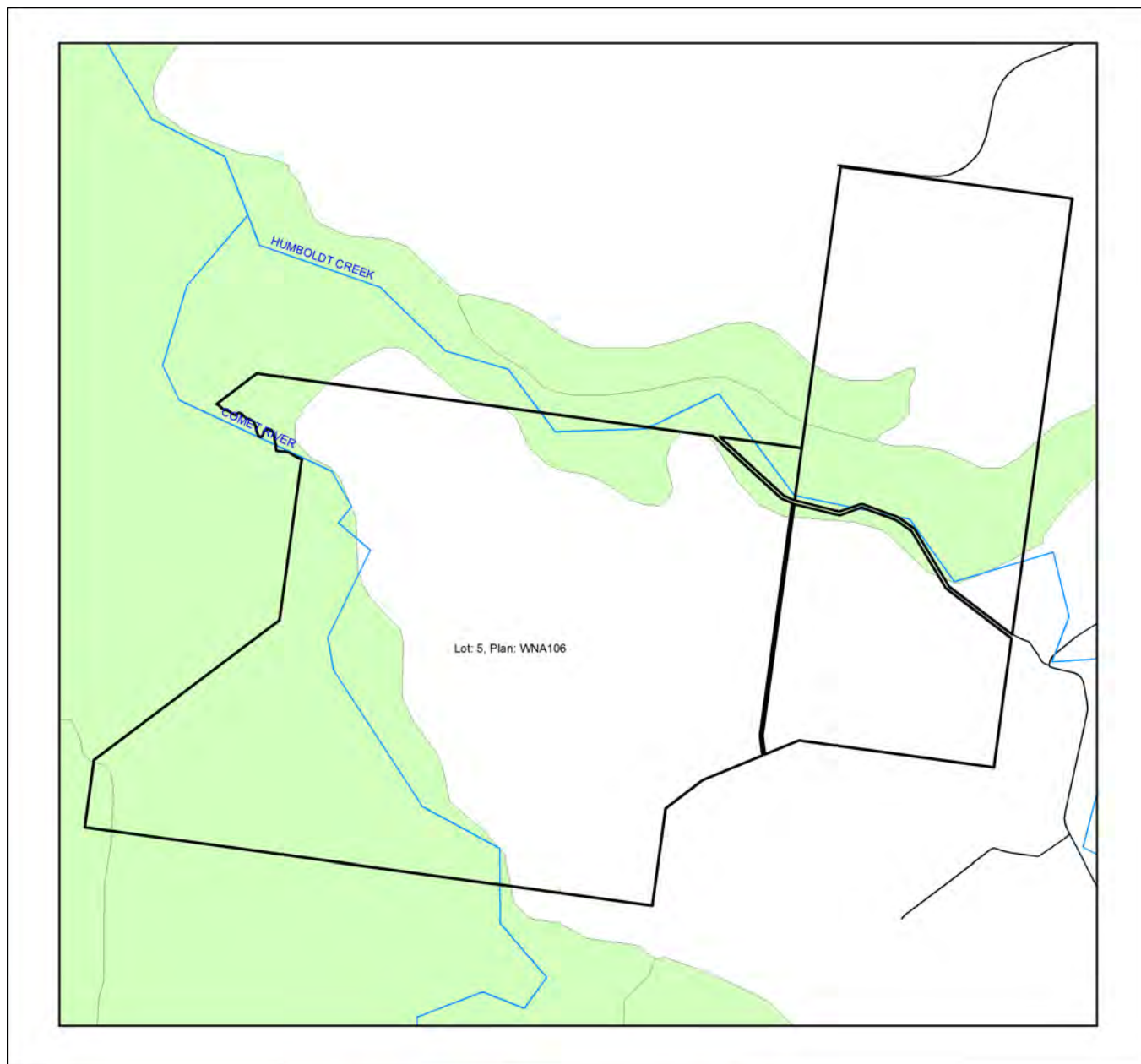
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Land parcel boundaries shown are provided as a locational aid only.











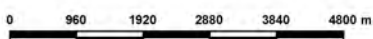
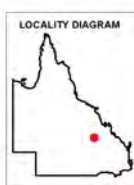
## 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



### 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 55

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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 threatened and near threatened plants. These are areas where threatened or near threatened 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 threatened or near threatened plants that may be present in the clearing impact area.

If the flora survey identifies that threatened or near threatened plants are not present within the clearing impact area or clearing within 100m of a threatened or near threatened plant 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 threatened or near threatened 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 threatened or near threatened 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

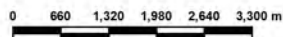
Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. 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 55

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)

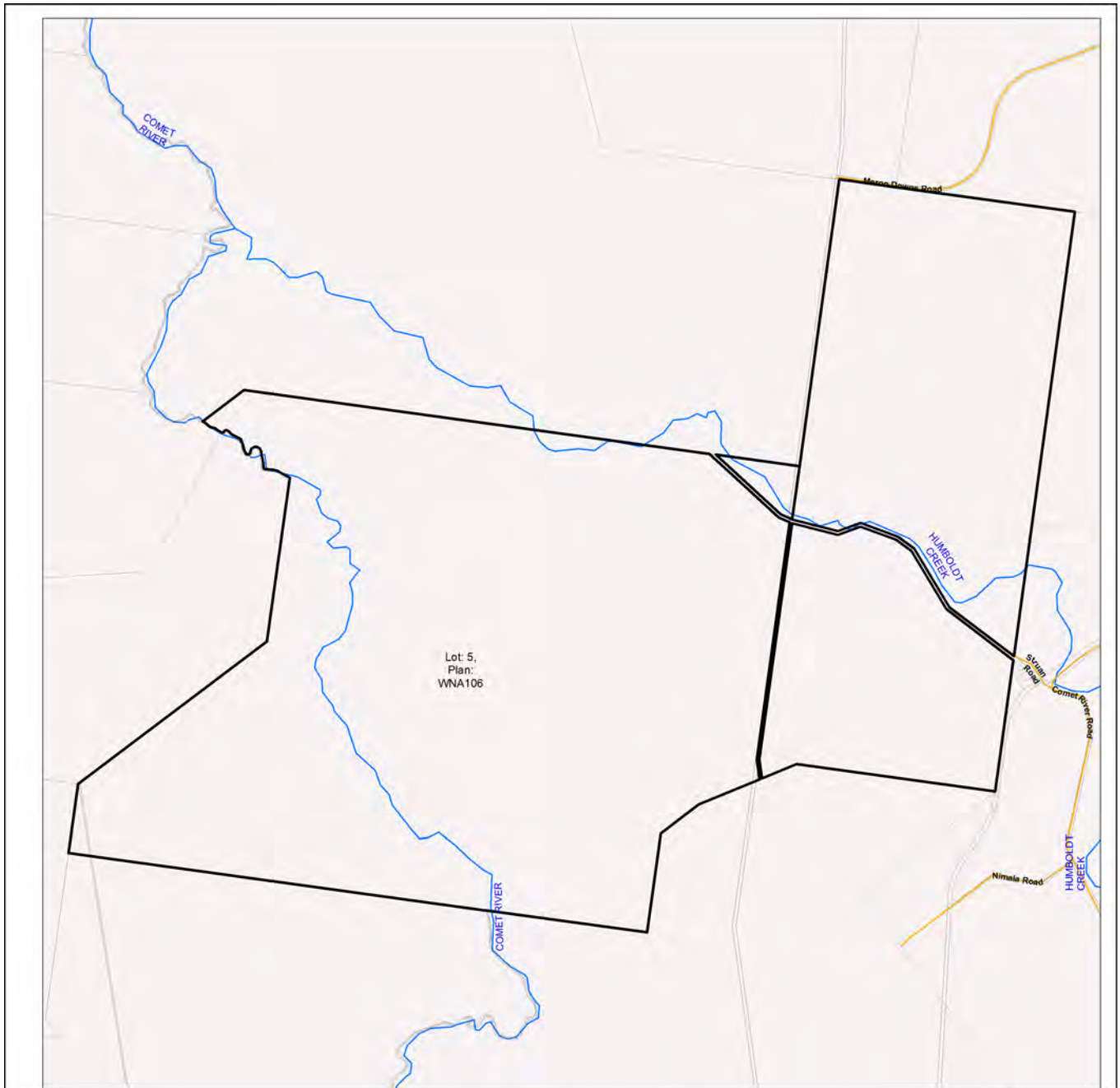
**Visit** <https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping>

## 7. Koala protection framework details for Lot: 5 Plan: WNA106

### 7.1 Koala districts

Koala District C

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

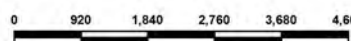


### Koala priority area, koala habitat area and identified koala broad-hectare area map

#### 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.

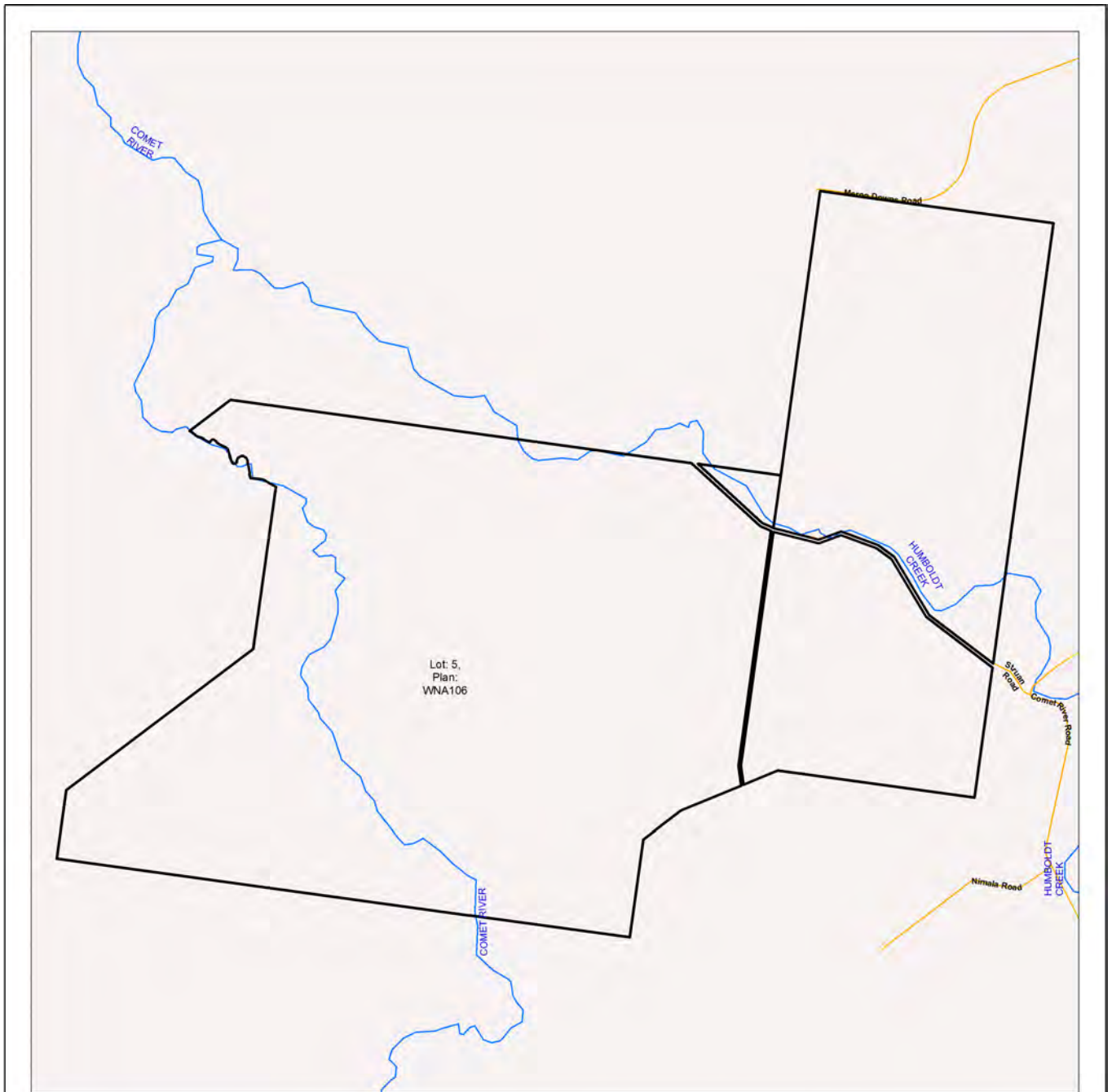


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The koala conservation plan maps will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

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.

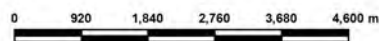
## 7.3 Koala habitat regional ecosystems for core koala habitat areas



### 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: 7 Plan: SP187934

06/02/2023

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2022 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: 7 Plan: SP187934, 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)
7	SP187934	Freehold	80,082,989

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.

### **Does this property have a freehold tenure and is in the Wet Tropics of Queensland World Heritage Area?**

No, this property is not located in the Wet Tropics of Queensland World Heritage Area.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 7 Plan: SP187934, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Central Highlands Regional

Bioregion(s)	Subregion(s)
Brigalow Belt	Isaac - Comet Downs

Catchment(s)
Fitzroy

## 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: 7 Plan: SP187934

#### 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: 8007.09ha**

Vegetation category	Area (ha)
Category A	275.1
Category B	59.6
Category R	2.9
Category X	7669.5

**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)

The following Property Map of Assessable Vegetation (PMAVs) may be present on this property:

**Reference number**

2017/006098

2019/003748

**Reference number**

2005/109062

2017/002580

## 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
11.3.1	Endangered	R	less than 0.01	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.2	Of concern	B	6.36	Eucalyptus populnea woodland on alluvial plains	Sparse
11.3.2	Of concern	R	0.57	Eucalyptus populnea woodland on alluvial plains	Sparse
11.3.25	Least concern	B	5.42	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.25	Least concern	R	0.10	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.3	Of concern	R	less than 0.01	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.4.8	Endangered	A	214.62	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	B	13.78	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	R	0.41	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.5.16	Endangered	A	7.62	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Mid-dense
11.5.16	Endangered	R	1.63	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Mid-dense
11.5.18	Of concern	A	2.64	Micromyrtus capricornia open shrubland on Cainozoic sand plains and/or remnant surfaces	Very sparse
11.5.3	Least concern	B	33.71	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.9	Least concern	A	50.22	Eucalyptus crebra and other Eucalyptus spp. and Corymbia spp. woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.8.11	Of concern	R	0.18	Dichanthium sericeum grassland on Cainozoic igneous rocks	Grassland Sch 4
11.8.5	Least concern	R	0.02	Eucalyptus orgadophila open woodland on Cainozoic igneous rocks	Very sparse



Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
11.9.5	Endangered	B	0.31	Acacia harpophylla and/or Casuarina cristata open forest to woodland on fine-grained sedimentary rocks	Mid-dense
non-rem	None	X	7,669.49	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

Vegetation management wetlands are present on this property and are shown on the vegetation management supporting map in section 4.2 of this report.

### 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
483	Denisonia maculata	ornamental snake	V	Riparian woodland/open forest and shrub/woodland including Brigalow Acacia harpophylla; into drier habitats in summer.	100-450m.	Cracking clay with gilgai/soil crack microrelief and sandy loam substrates.	Near freshwater waterholes/creeks and low lying poorly drained areas that are frequently inundated by freshwater.

Label	Regional Ecosystem (mandatory unless otherwise specified)
483	10.3.2, 10.3.3, 10.3.4, 10.3.7, 10.3.13, 10.3.14, 10.3.15, 10.3.16, 10.3.27, 10.3.30, 10.3.31, 10.4.1, 10.4.2, 10.4.3, 10.4.4, 10.4.5, 10.4.6, 10.4.7, 10.4.8, 10.5.5, 10.9.1, 10.9.6, 10.9.7, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.6, 11.3.9, 11.3.10, 11.3.12, 11.3.15, 11.3.21, 11.3.23, 11.3.24, 11.3.25, 11.3.27, 11.3.28, 11.3.31, 11.3.34, 11.3.37, 11.3.38, 11.3.40, 11.4.2, 11.4.3, 11.4.4, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.11, 11.5.2, 11.5.3, 11.5.16, 11.8.11, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.7, 11.9.11, 11.9.12, 11.9.14, 11.11.15, 11.12.6

### 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\*

Non 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?**

Class A (with urban areas masked as per SPP): 1833.81ha

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: 7 Plan: SP187934.

## 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.

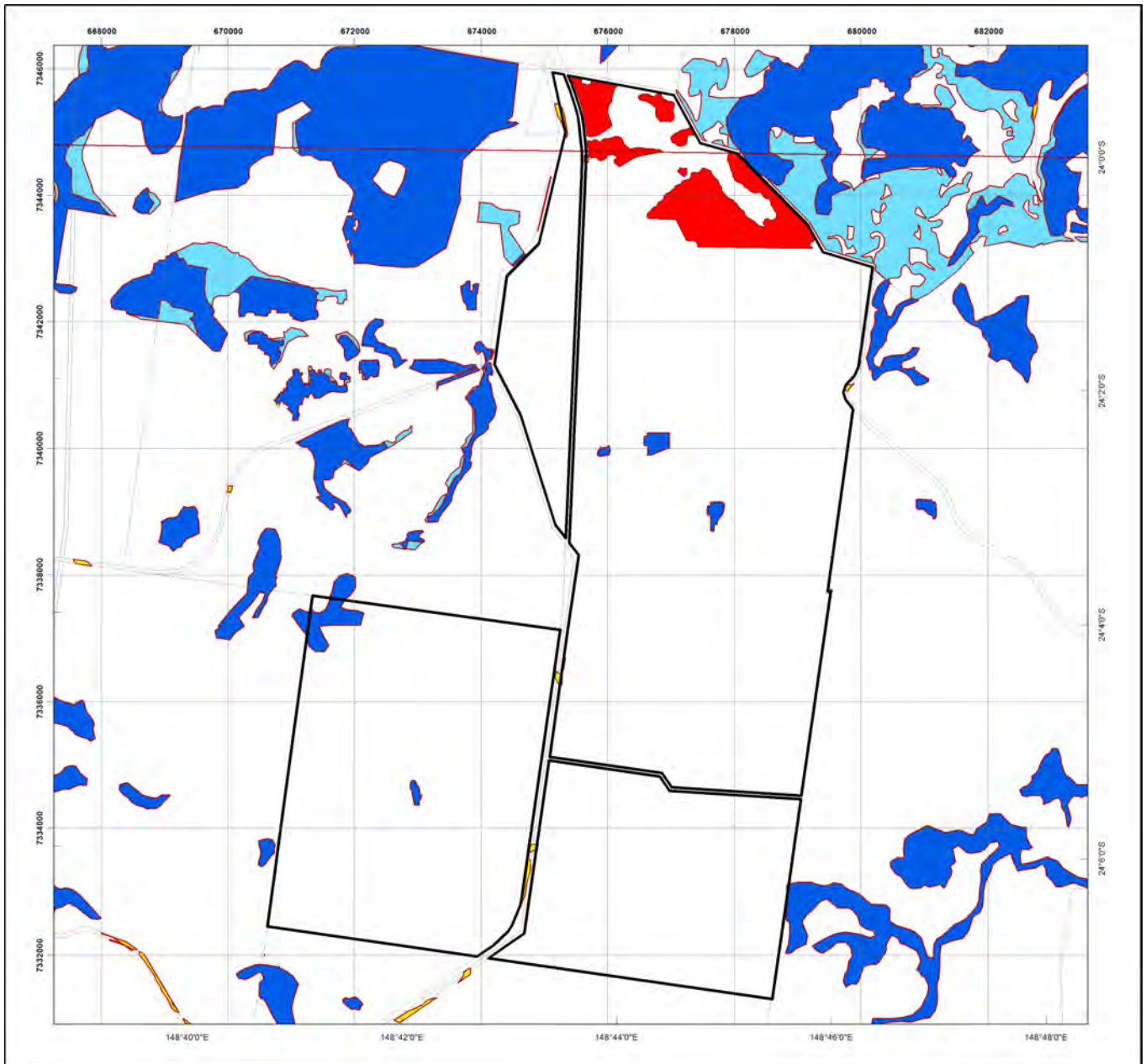
### **Coastal/non-coastal map**

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.

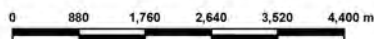
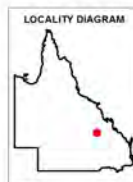
# 4.1 Regulated vegetation management map



## 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
- Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 55

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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.

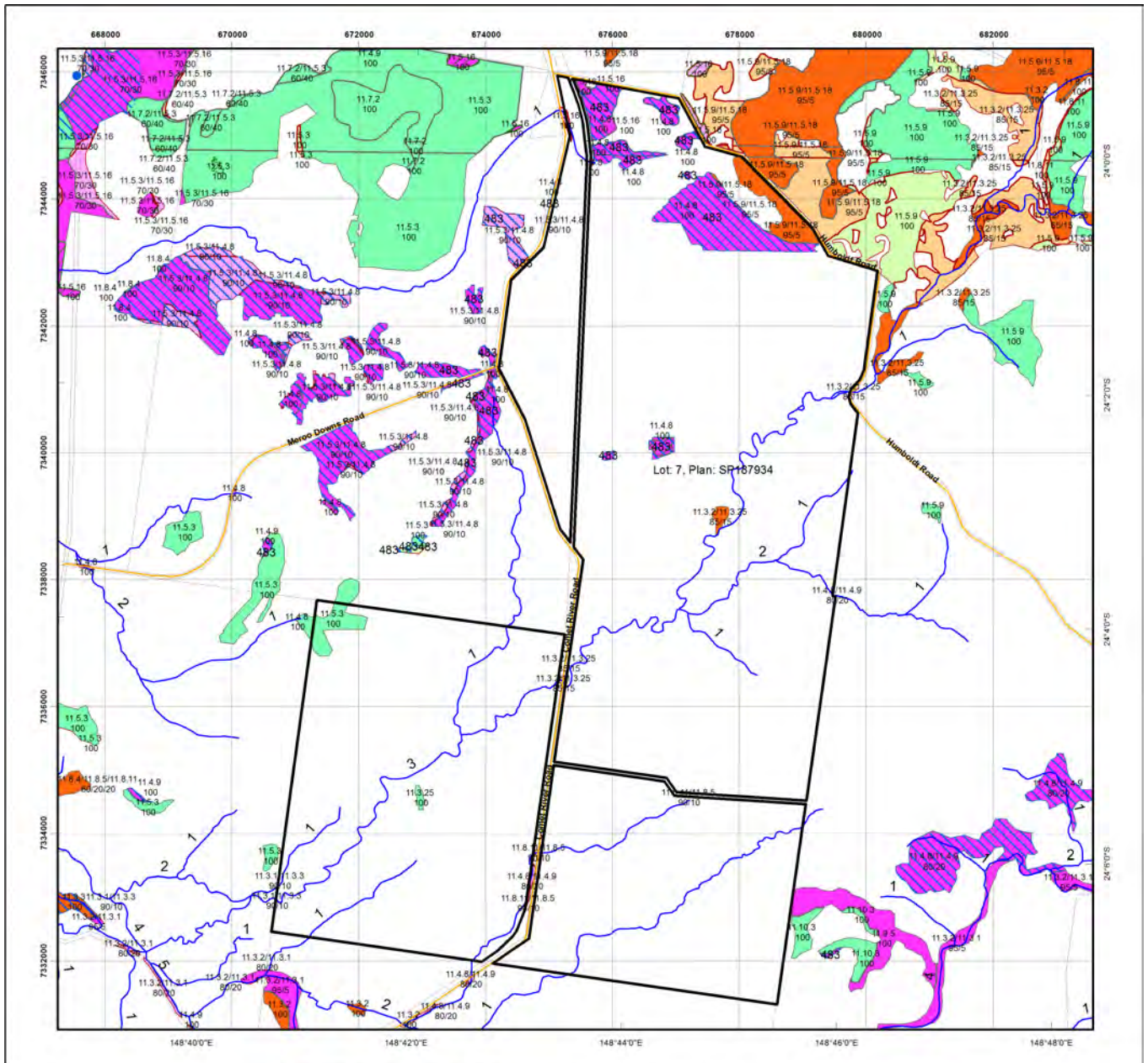
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

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



0 630 1,260 1,890 2,520 3,150 m

This product is projected into:  
GDA 1994 MGA Zone 55

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.

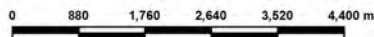
# 4.3 Coastal/non-coastal map



## Coastal/Non Coastal Map

### Legend

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



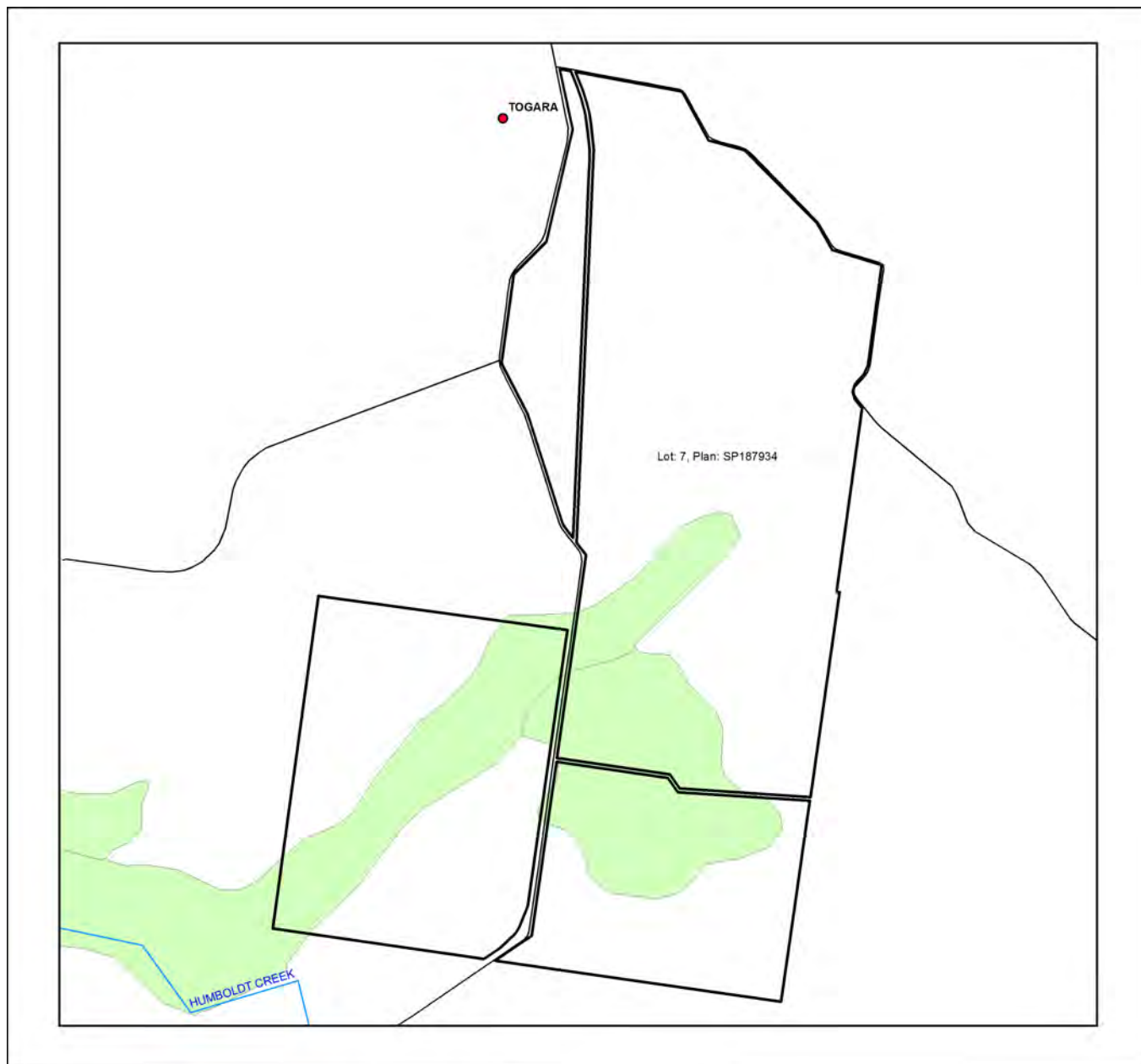
This product is projected into:  
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









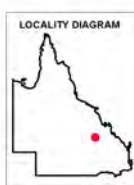
## 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



### 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



0 890 1780 2670 3560 4450 m

This product is projected into GDA 1994 MGA Zone 55

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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 threatened and near threatened plants. These are areas where threatened or near threatened 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 threatened or near threatened plants that may be present in the clearing impact area.

If the flora survey identifies that threatened or near threatened plants are not present within the clearing impact area or clearing within 100m of a threatened or near threatened plant 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 threatened or near threatened 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 threatened or near threatened 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

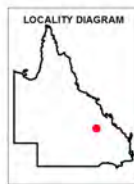
Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. 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



0 580 1,160 1,740 2,320 2,900 m

This product is projected into:  
GDA 1994 MGA Zone 55

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: 7 Plan: SP187934

### 7.1 Koala districts

Koala District C

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

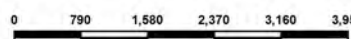


### Koala priority area, koala habitat area and identified koala broad-hectare area map

#### 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



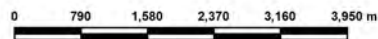
### Koala habitat regional ecosystems for core koala habitat areas

#### Legend

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



N



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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: 8 Plan: WNA107

06/02/2023

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2022 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: 8 Plan: WNA107, 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)
8	WNA107	Freehold	62,753,790
M	SP173041	Easement	546,300
N	SP173042	Easement	297,500

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.

### **Does this property have a freehold tenure and is in the Wet Tropics of Queensland World Heritage Area?**

No, this property is not located in the Wet Tropics of Queensland World Heritage Area.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 8 Plan: WNA107, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Central Highlands Regional

Bioregion(s)	Subregion(s)
Brigalow Belt	Isaac - Comet Downs

Catchment(s)
Fitzroy

## 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: 8 Plan: WNA107

#### 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: 6274.81ha**

Vegetation category	Area (ha)
Category B	2616.1
Category C	126.5
Category R	< 0.1
Category X	3532.2

**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)

The following Property Map of Assessable Vegetation (PMAVs) may be present on this property:

**Reference number**

2020/011212

2019/003748

**Reference number**

2009/005585

## 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
11.4.8	Endangered	B	12.03	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	C	0.26	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.9	Endangered	B	126.35	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.4.9	Endangered	C	5.22	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.4.9	Endangered	R	0.01	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.5.10	Of concern	B	31.40	Melaleuca tamariscina tall open shrubland to low woodland on Cainozoic sand plains and/or remnant surfaces	Very sparse
11.5.10	Of concern	C	2.83	Melaleuca tamariscina tall open shrubland to low woodland on Cainozoic sand plains and/or remnant surfaces	Very sparse
11.5.15	Least concern	B	68.94	Semi-evergreen vine thicket on Cainozoic sand plains and/or remnant surfaces	Dense
11.5.15	Least concern	C	7.47	Semi-evergreen vine thicket on Cainozoic sand plains and/or remnant surfaces	Dense
11.5.16	Endangered	B	243.66	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Mid-dense
11.5.16	Endangered	C	12.39	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Mid-dense
11.5.2	Least concern	B	446.39	Eucalyptus crebra, Corymbia spp., with E. moluccana woodland on lower slopes of Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.2	Least concern	C	24.50	Eucalyptus crebra, Corymbia spp., with E. moluccana woodland on lower slopes of Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.2	Least concern	R	less than 0.01	Eucalyptus crebra, Corymbia spp., with E. moluccana woodland on lower slopes of Cainozoic sand plains and/or remnant surfaces	Sparse

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
11.5.3	Least concern	B	1,468.07	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.3	Least concern	C	63.18	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.3	Least concern	R	less than 0.01	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.9	Least concern	B	188.09	Eucalyptus crebra and other Eucalyptus spp. and Corymbia spp. woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.9	Least concern	C	9.87	Eucalyptus crebra and other Eucalyptus spp. and Corymbia spp. woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.9	Least concern	R	less than 0.01	Eucalyptus crebra and other Eucalyptus spp. and Corymbia spp. woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.7.2	Least concern	B	29.42	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone	Sparse
11.7.2	Least concern	C	0.73	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone	Sparse
11.8.4	Least concern	B	1.72	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	Very sparse
11.8.4	Least concern	C	0.05	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	Very sparse
non-rem	None	X	3,532.24	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

Vegetation management wetlands are present on this property and are shown on the vegetation management supporting map in section 4.2 of this report.

### 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
483	Denisonia maculata	ornamental snake	V	Riparian woodland/open forest and shrub/woodland including Brigalow Acacia harpophylla; into drier habitats in summer.	100-450m.	Cracking clay with gilgai/soil crack microrelief and sandy loam substrates.	Near freshwater waterholes/creeks and low lying poorly drained areas that are frequently inundated by freshwater.
1883	Rostratula australis	Australian painted-snipe	E	Shallow ephemeral and permanent swamps, water meadows and damp lake margins with rushes, long grass and herbage (e.g. lignum, chenopods) in good condition, as well as areas of muddy ground; also uses saltmarsh, samphire flats and waterlogged grasslands with trees present (e.g. Eucalyptus camaldulensis, E. brownii). Nest in shallow grass-lined hollow in damp ground under low shrub or grass tussock near shallow water.	None	None	Associated with wetlands.

Label	Regional Ecosystem (mandatory unless otherwise specified)
483	10.3.2, 10.3.3, 10.3.4, 10.3.7, 10.3.13, 10.3.14, 10.3.15, 10.3.16, 10.3.27, 10.3.30, 10.3.31, 10.4.1, 10.4.2, 10.4.3, 10.4.4, 10.4.5, 10.4.6, 10.4.7, 10.4.8, 10.5.5, 10.9.1, 10.9.6, 10.9.7, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.6, 11.3.9, 11.3.10, 11.3.12, 11.3.15, 11.3.21, 11.3.23, 11.3.24, 11.3.25, 11.3.27, 11.3.28, 11.3.31, 11.3.34, 11.3.37, 11.3.38, 11.3.40, 11.4.2, 11.4.3, 11.4.4, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.11, 11.5.2, 11.5.3, 11.5.16, 11.8.11, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.7, 11.9.11, 11.9.12, 11.9.14, 11.11.15, 11.12.6
1883	All regional ecosystems within the stream/wetland buffer as determined by VMA code.

### 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\*

Non 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: 8 Plan: WNA107.

## 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.

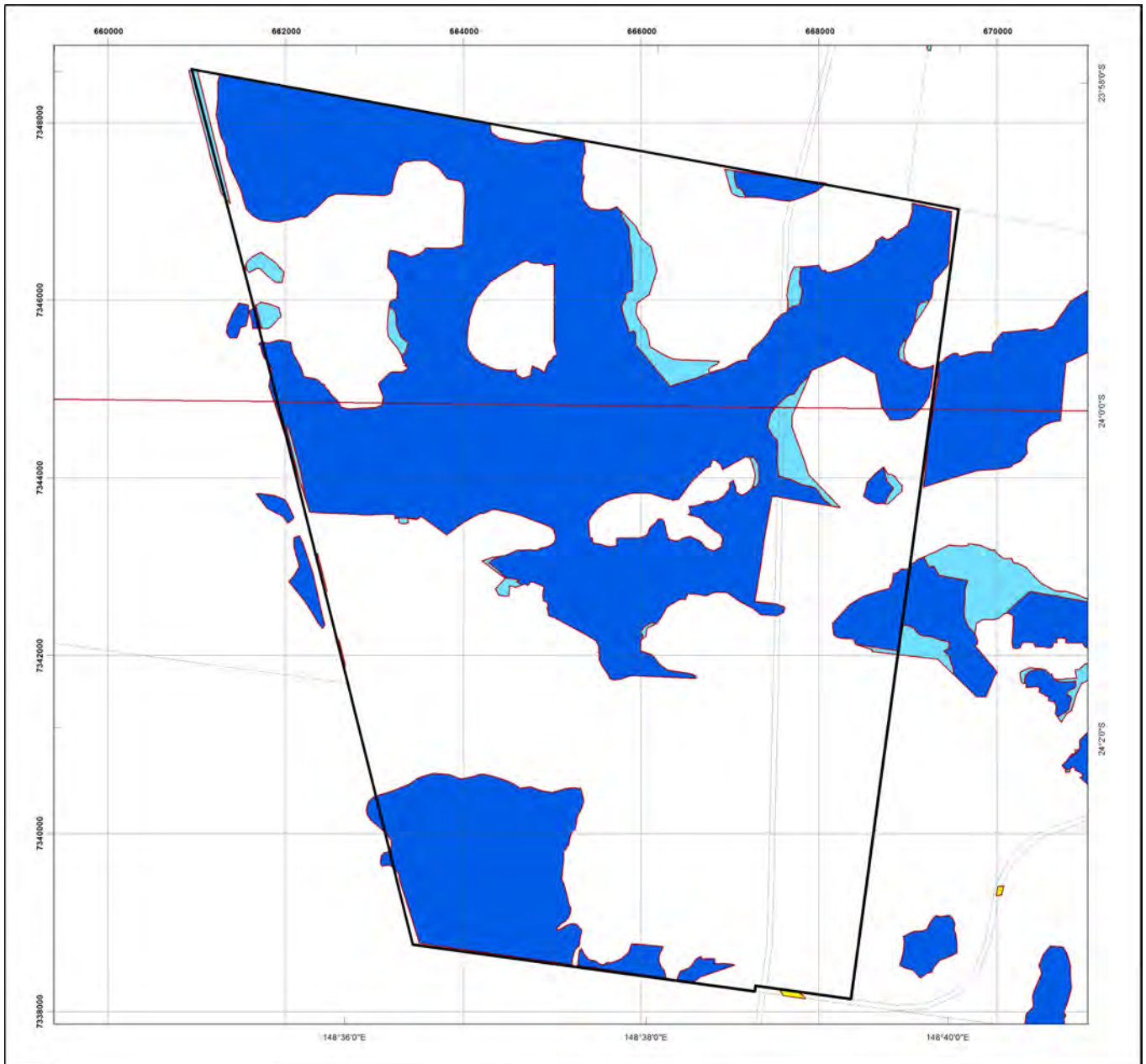
### **Coastal/non-coastal map**

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
- Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 55

### 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.

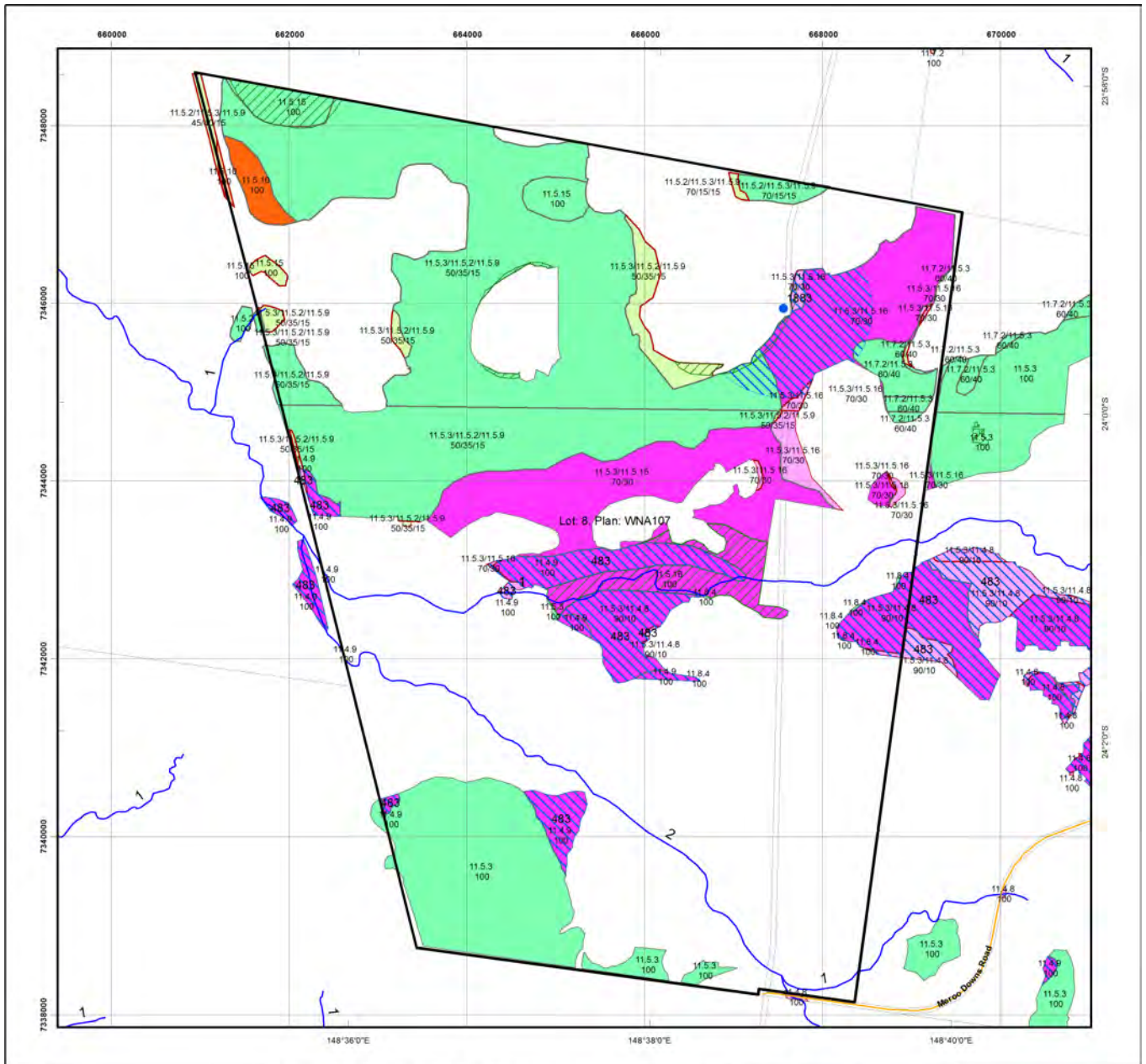


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## 4.2 Vegetation management supporting map



### 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



0 450 900 1,350 1,800 2,250 m

This product is projected into:  
GDA 1994 MGA Zone 55

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.

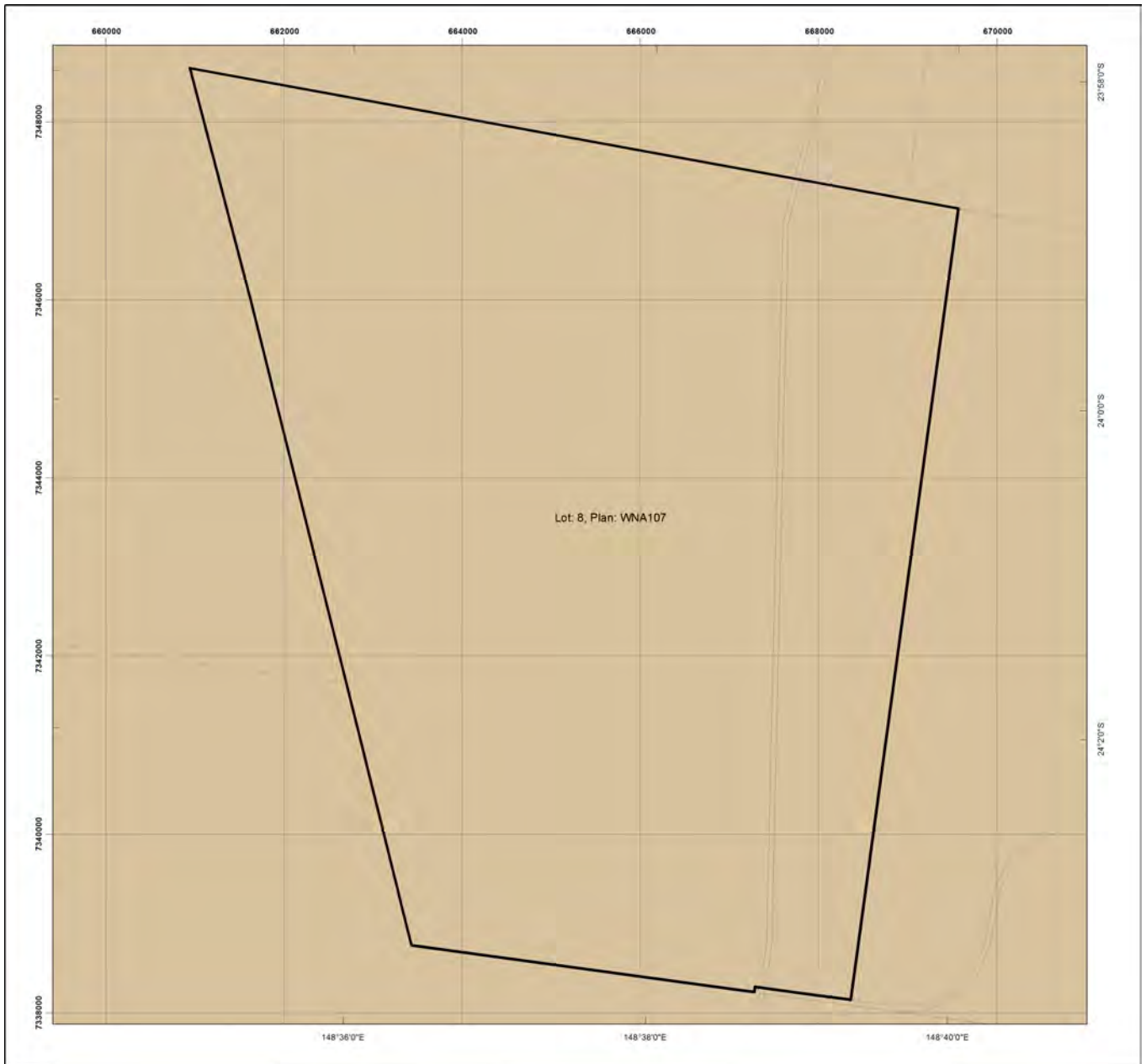
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Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact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



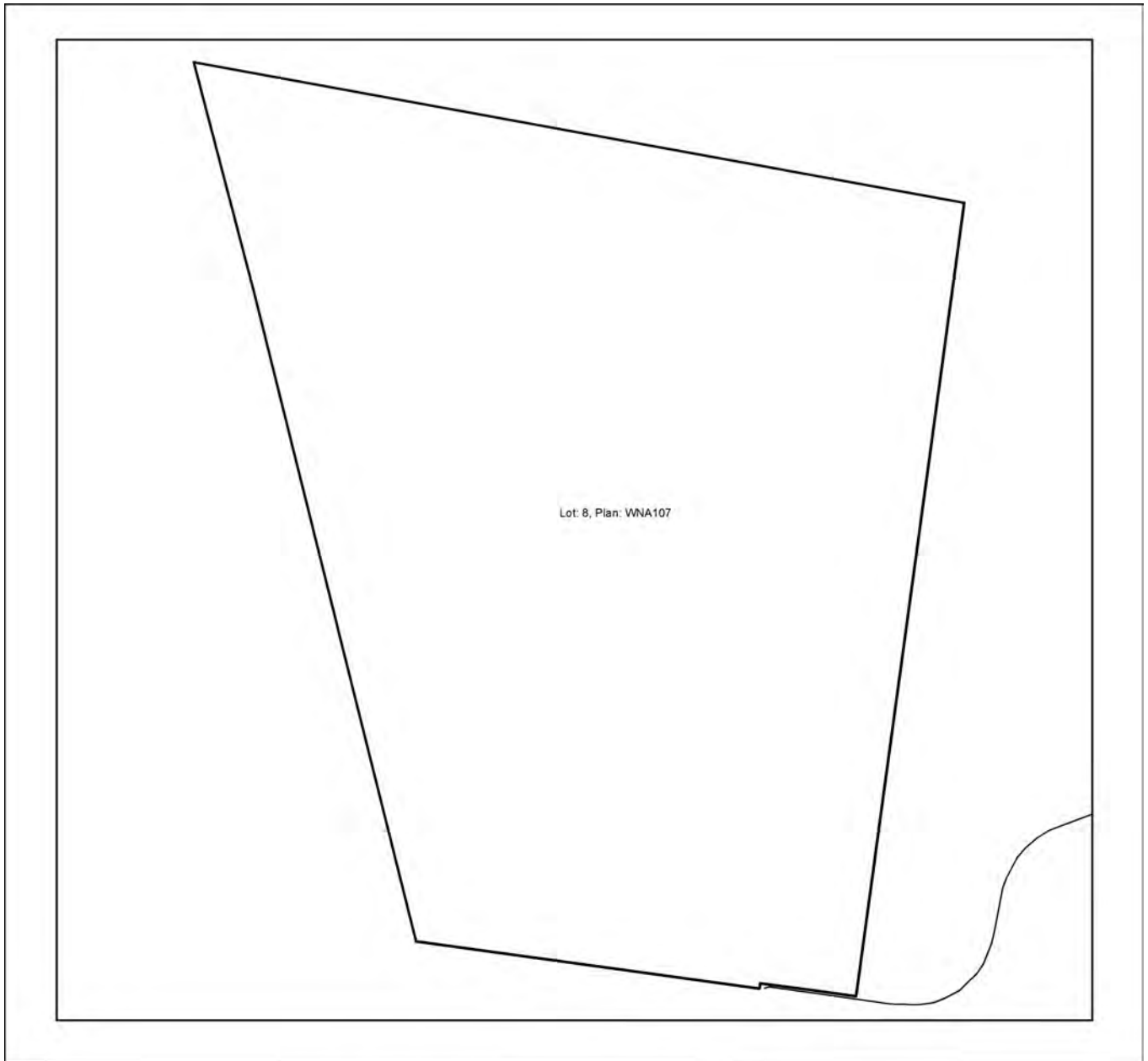
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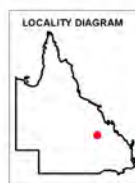
# 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



## 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 55

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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 threatened and near threatened plants. These are areas where threatened or near threatened 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 threatened or near threatened plants that may be present in the clearing impact area.

If the flora survey identifies that threatened or near threatened plants are not present within the clearing impact area or clearing within 100m of a threatened or near threatened plant 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 threatened or near threatened 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 threatened or near threatened 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

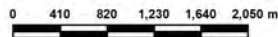
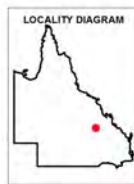
Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. 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 55

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: 8 Plan: WNA107

### 7.1 Koala districts













Koala District C

## 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.



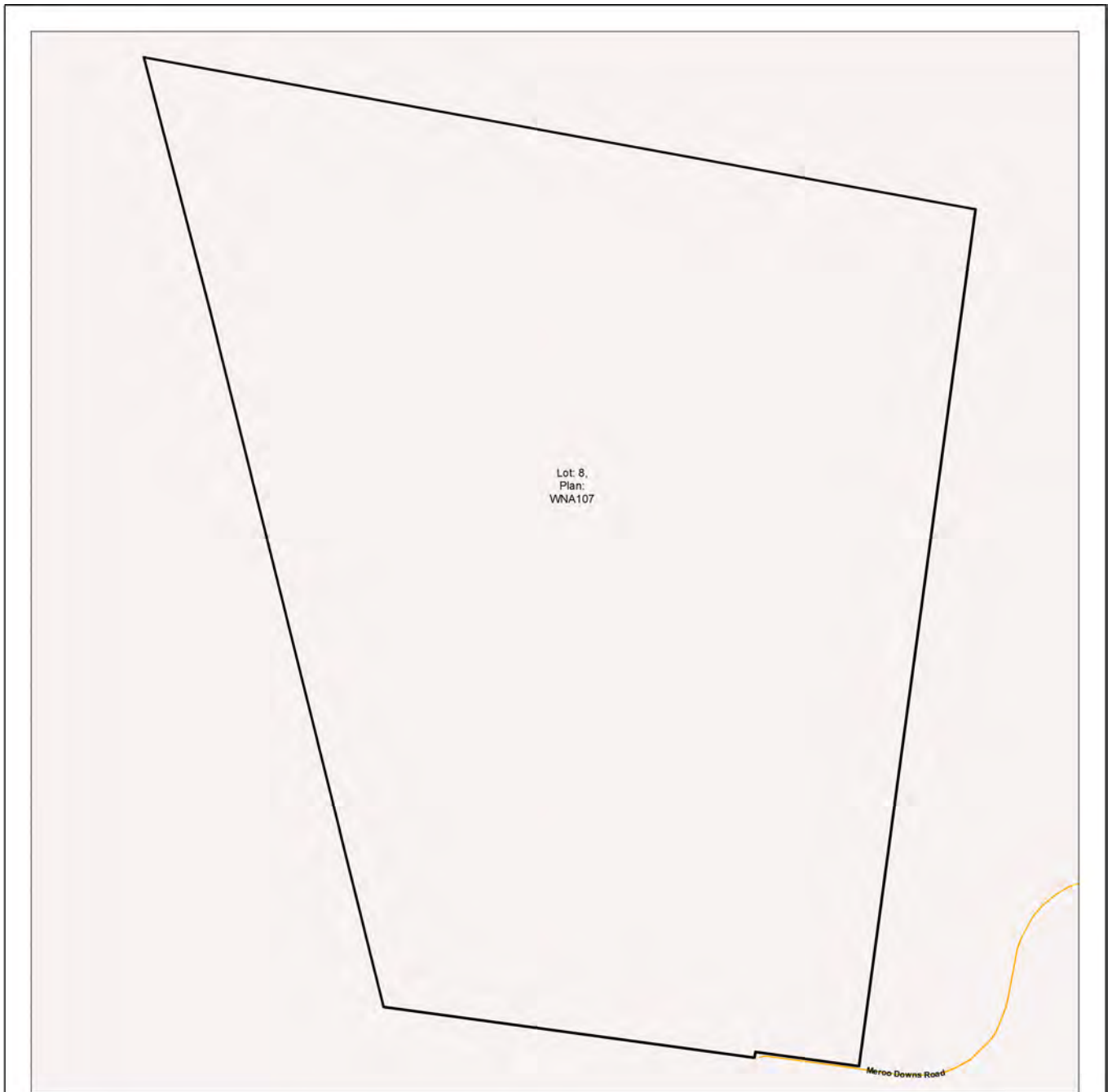
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The koala conservation plan maps will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

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.

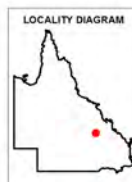
## 7.3 Koala habitat regional ecosystems for core koala habitat areas



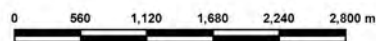
### Koala habitat regional ecosystems for core koala habitat areas

#### Legend

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



N



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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: 9 Plan: SP187935

06/02/2023

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2022 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: 9 Plan: SP187935, 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)
9	SP187935	Freehold	52,343,505

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.

### **Does this property have a freehold tenure and is in the Wet Tropics of Queensland World Heritage Area?**

No, this property is not located in the Wet Tropics of Queensland World Heritage Area.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 9 Plan: SP187935, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Central Highlands Regional

Bioregion(s)	Subregion(s)
Brigalow Belt	Isaac - Comet Downs

Catchment(s)
Fitzroy

## 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: 9 Plan: SP187935

#### 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: 5234.12ha**

Vegetation category	Area (ha)
Category B	1485.0
Category C	156.8
Category R	0.3
Category X	3592.0

**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)

The following Property Map of Assessable Vegetation (PMAVs) may be present on this property:

**Reference number**

2019/003748

## 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
11.4.8	Endangered	B	79.59	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	C	17.17	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.8	Endangered	R	0.30	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Sparse
11.4.9	Endangered	B	7.70	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.5.16	Endangered	B	9.12	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Mid-dense
11.5.3	Least concern	B	1,237.70	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.5.3	Least concern	C	139.63	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.7.2	Least concern	B	150.92	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone	Sparse
non-rem	None	X	3,592.00	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

Vegetation management wetlands are present on this property and are shown on the vegetation management supporting map in section 4.2 of this report.

### 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
483	Denisonia maculata	ornamental snake	V	Riparian woodland/open forest and shrub/woodland including Brigalow Acacia harpophylla; into drier habitats in summer.	100-450m.	Cracking clay with gilgai/soil crack microrelief and sandy loam substrates.	Near freshwater waterholes/creeks and low lying poorly drained areas that are frequently inundated by freshwater.

Label	Regional Ecosystem (mandatory unless otherwise specified)
483	10.3.2, 10.3.3, 10.3.4, 10.3.7, 10.3.13, 10.3.14, 10.3.15, 10.3.16, 10.3.27, 10.3.30, 10.3.31, 10.4.1, 10.4.2, 10.4.3, 10.4.4, 10.4.5, 10.4.6, 10.4.7, 10.4.8, 10.5.5, 10.9.1, 10.9.6, 10.9.7, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.6, 11.3.9, 11.3.10, 11.3.12, 11.3.15, 11.3.21, 11.3.23, 11.3.24, 11.3.25, 11.3.27, 11.3.28, 11.3.31, 11.3.34, 11.3.37, 11.3.38, 11.3.40, 11.4.2, 11.4.3, 11.4.4, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.11, 11.5.2, 11.5.3, 11.5.16, 11.8.11, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.7, 11.9.11, 11.9.12, 11.9.14, 11.11.15, 11.12.6

### 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\*

Non 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?**

Class A (with urban areas masked as per SPP): 17.78ha

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: 9 Plan: SP187935.



## 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.

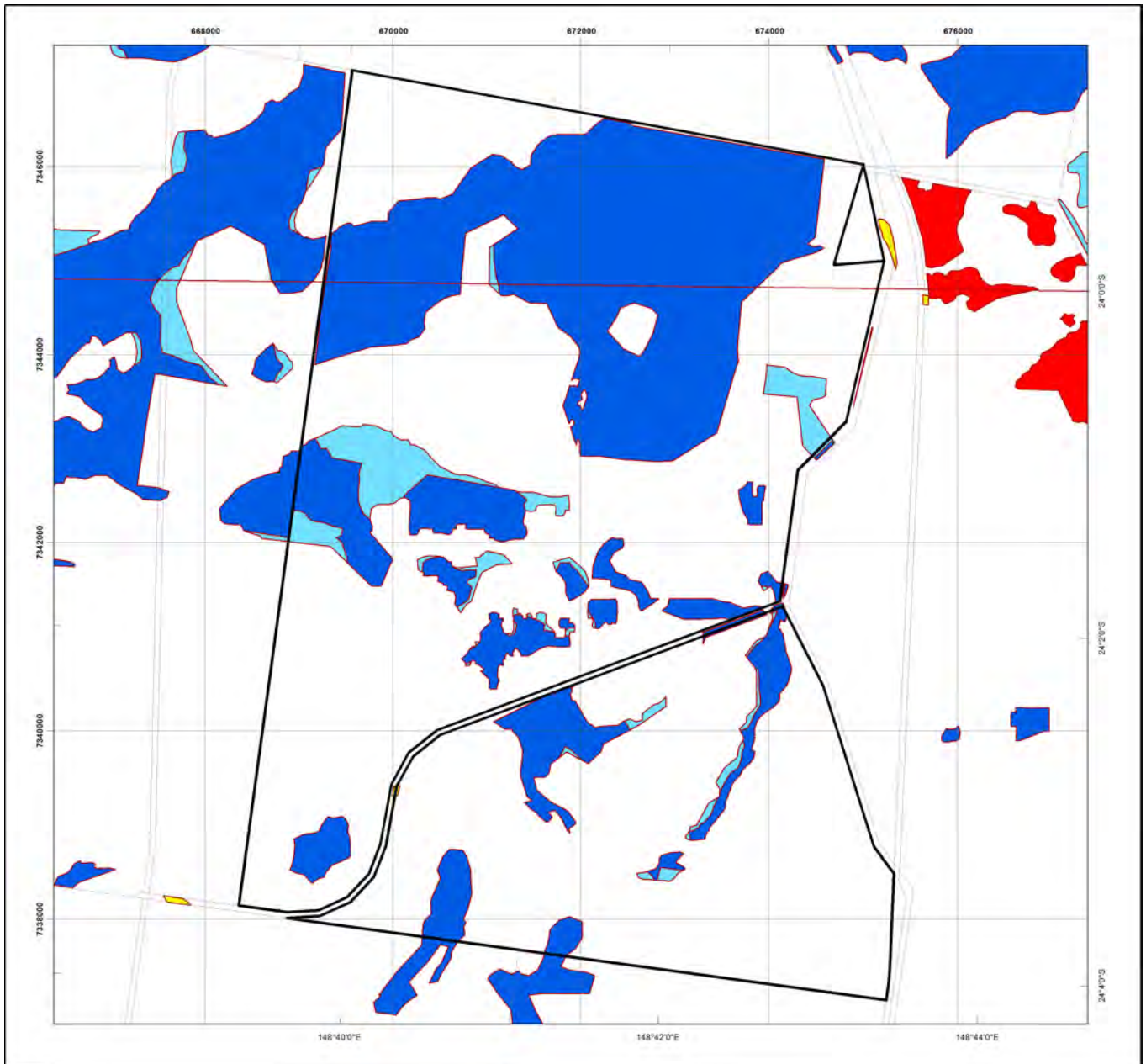
### **Coastal/non-coastal map**

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.

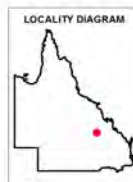
# 4.1 Regulated vegetation management map



## 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
-  Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 55

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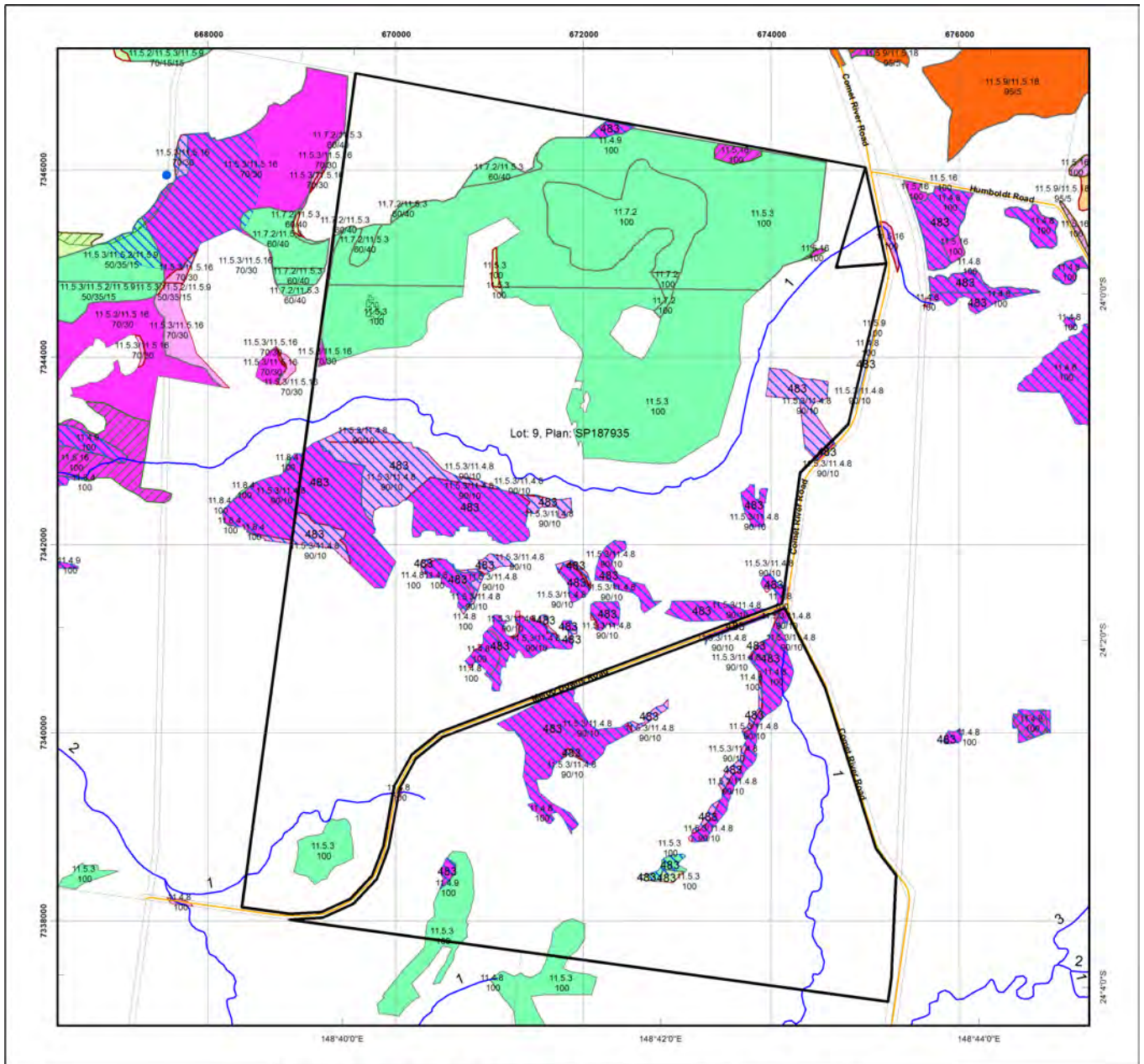
Additional information required for the assessment of vegetation values is provided in the accompanying "Vegetation Management Supporting map". For further information go to the web site: [www.resources.qld.gov.au](http://www.resources.qld.gov.au) or contact the Department of Resources.

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.

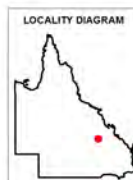
## 4.2 Vegetation management supporting map



### 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



0 425 850 1,275 1,700 2,125 m

This product is projected into:  
GDA 1994 MGA Zone 55

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.

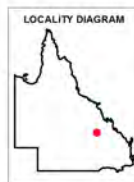
### 4.3 Coastal/non-coastal map



### Coastal/Non Coastal Map

**Legend**

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



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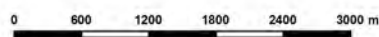
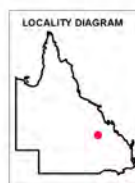
# 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



## 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



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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 threatened and near threatened plants. These are areas where threatened or near threatened 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 threatened or near threatened plants that may be present in the clearing impact area.

If the flora survey identifies that threatened or near threatened plants are not present within the clearing impact area or clearing within 100m of a threatened or near threatened plant 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 threatened or near threatened 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 threatened or near threatened 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

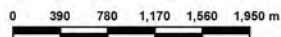
Please note that flora survey trigger maps do not identify species associated with 'high risk areas'. While some species information may be publicly available, for example via the [Queensland Spatial Catalogue](#), the Department of Environment and Science does not provide species information on request. 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 55

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: 9 Plan: SP187935

### 7.1 Koala districts

Koala District C

## 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.



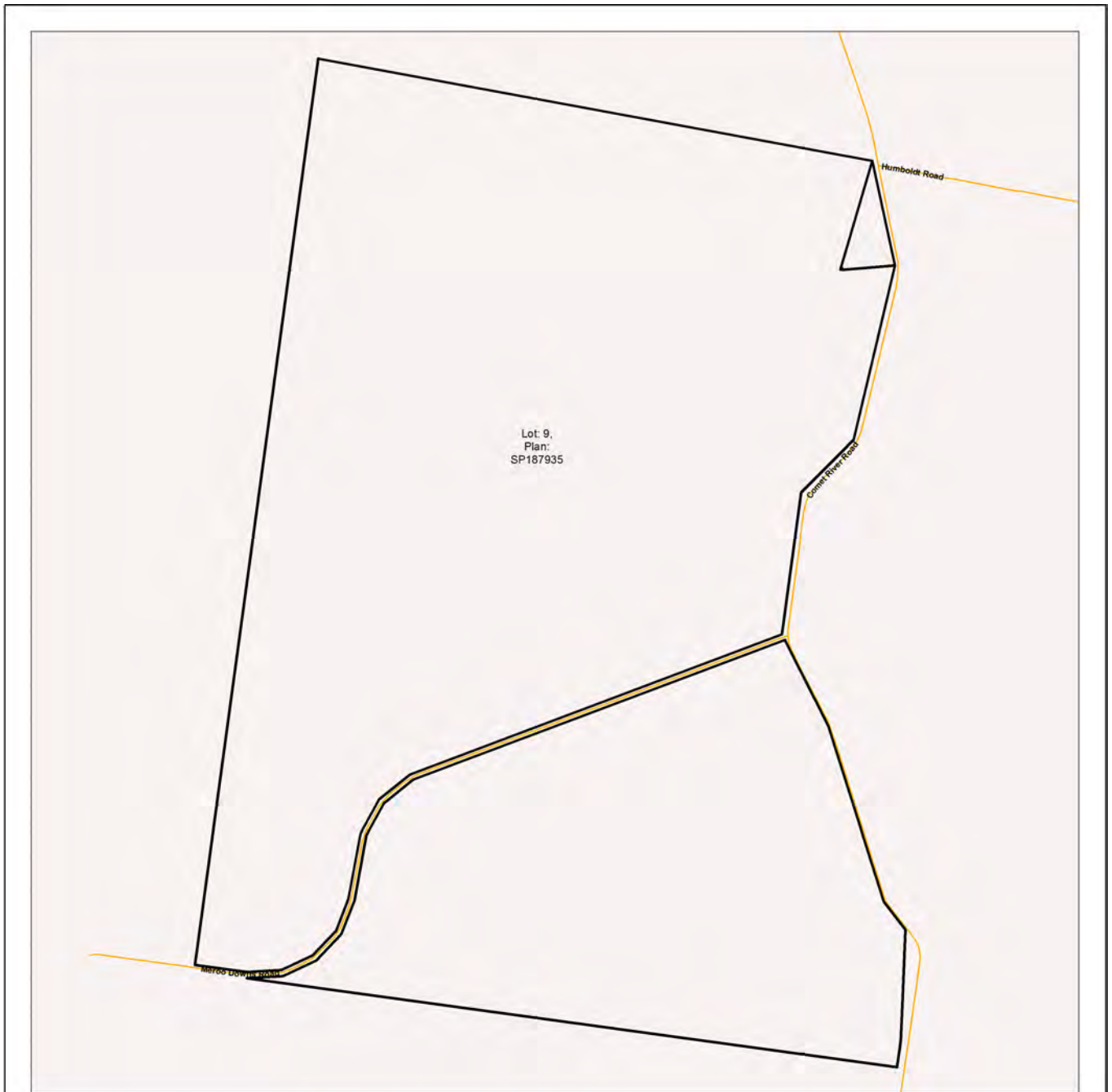
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The koala conservation plan maps will be updated at least annually to include any koala habitat areas that have been made, amended or revoked.

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.

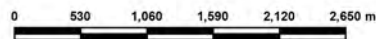
## 7.3 Koala habitat regional ecosystems for core koala habitat areas



### 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>



## **Vegetation management report**

For Lot: 10 Plan: WNA115

06/02/2023

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# Recent changes

## Updated mapping

Updated vegetation mapping was released on 8 September 2022 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: 10 Plan: WNA115, 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)
10	WNA115	Freehold	75,500,177
L	SP173040	Easement	288,500

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.

### **Does this property have a freehold tenure and is in the Wet Tropics of Queensland World Heritage Area?**

No, this property is not located in the Wet Tropics of Queensland World Heritage Area.

## 1.2 Property location

Table 2 provides a summary of the locations for property Lot: 10 Plan: WNA115, in relation to natural and administrative boundaries.

**Table 2: Property location details**

Local Government(s)
Central Highlands Regional

Bioregion(s)	Subregion(s)
Brigalow Belt	Isaac - Comet Downs

Catchment(s)
Fitzroy

## 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: 10 Plan: WNA115

#### 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: 7530.26ha**

Vegetation category	Area (ha)
Category B	275.4
Category R	4.0
Category X	7250.8

**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)

The following Property Map of Assessable Vegetation (PMAVs) may be present on this property:

**Reference number**

2020/011212

2019/003748

2009/005585

**Reference number**

2012/007553



## 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
11.3.1	Endangered	B	49.22	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.1	Endangered	R	1.45	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Mid-dense
11.3.25	Least concern	B	84.16	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.25	Least concern	R	2.29	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Sparse
11.3.3	Of concern	B	114.40	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.3.3	Of concern	R	0.31	Eucalyptus coolabah woodland on alluvial plains	Sparse
11.4.9	Endangered	B	20.16	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Sparse
11.5.3	Least concern	B	5.73	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	Sparse
11.8.11	Of concern	B	0.36	Dichanthium sericeum grassland on Cainozoic igneous rocks	Grassland Sch 4
11.8.11	Of concern	R	less than 0.01	Dichanthium sericeum grassland on Cainozoic igneous rocks	Grassland Sch 4
11.8.4	Least concern	B	1.07	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	Very sparse
11.8.4	Least concern	R	less than 0.01	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	Very sparse
11.8.5	Least concern	B	0.36	Eucalyptus orgadophila open woodland on Cainozoic igneous rocks	Very sparse
11.8.5	Least concern	R	less than 0.01	Eucalyptus orgadophila open woodland on Cainozoic igneous rocks	Very sparse
non-rem	None	X	7,250.77	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

Vegetation management wetlands are present on this property and are shown on the vegetation management supporting map in section 4.2 of this report.

### 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
483	Denisonia maculata	ornamental snake	V	Riparian woodland/open forest and shrub/woodland including Brigalow Acacia harpophylla; into drier habitats in summer.	100-450m.	Cracking clay with gilgai/soil crack microrelief and sandy loam substrates.	Near freshwater waterholes/creeks and low lying poorly drained areas that are frequently inundated by freshwater.

Label	Regional Ecosystem (mandatory unless otherwise specified)
483	10.3.2, 10.3.3, 10.3.4, 10.3.7, 10.3.13, 10.3.14, 10.3.15, 10.3.16, 10.3.27, 10.3.30, 10.3.31, 10.4.1, 10.4.2, 10.4.3, 10.4.4, 10.4.5, 10.4.6, 10.4.7, 10.4.8, 10.5.5, 10.9.1, 10.9.6, 10.9.7, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.6, 11.3.9, 11.3.10, 11.3.12, 11.3.15, 11.3.21, 11.3.23, 11.3.24, 11.3.25, 11.3.27, 11.3.28, 11.3.31, 11.3.34, 11.3.37, 11.3.38, 11.3.40, 11.4.2, 11.4.3, 11.4.4, 11.4.6, 11.4.7, 11.4.8, 11.4.9, 11.4.11, 11.5.2, 11.5.3, 11.5.16, 11.8.11, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.7, 11.9.11, 11.9.12, 11.9.14, 11.11.15, 11.12.6

### 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\*

Non 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?**

Class A (with urban areas masked as per SPP): 2512.26ha

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: 10 Plan: WNA115.

## 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.

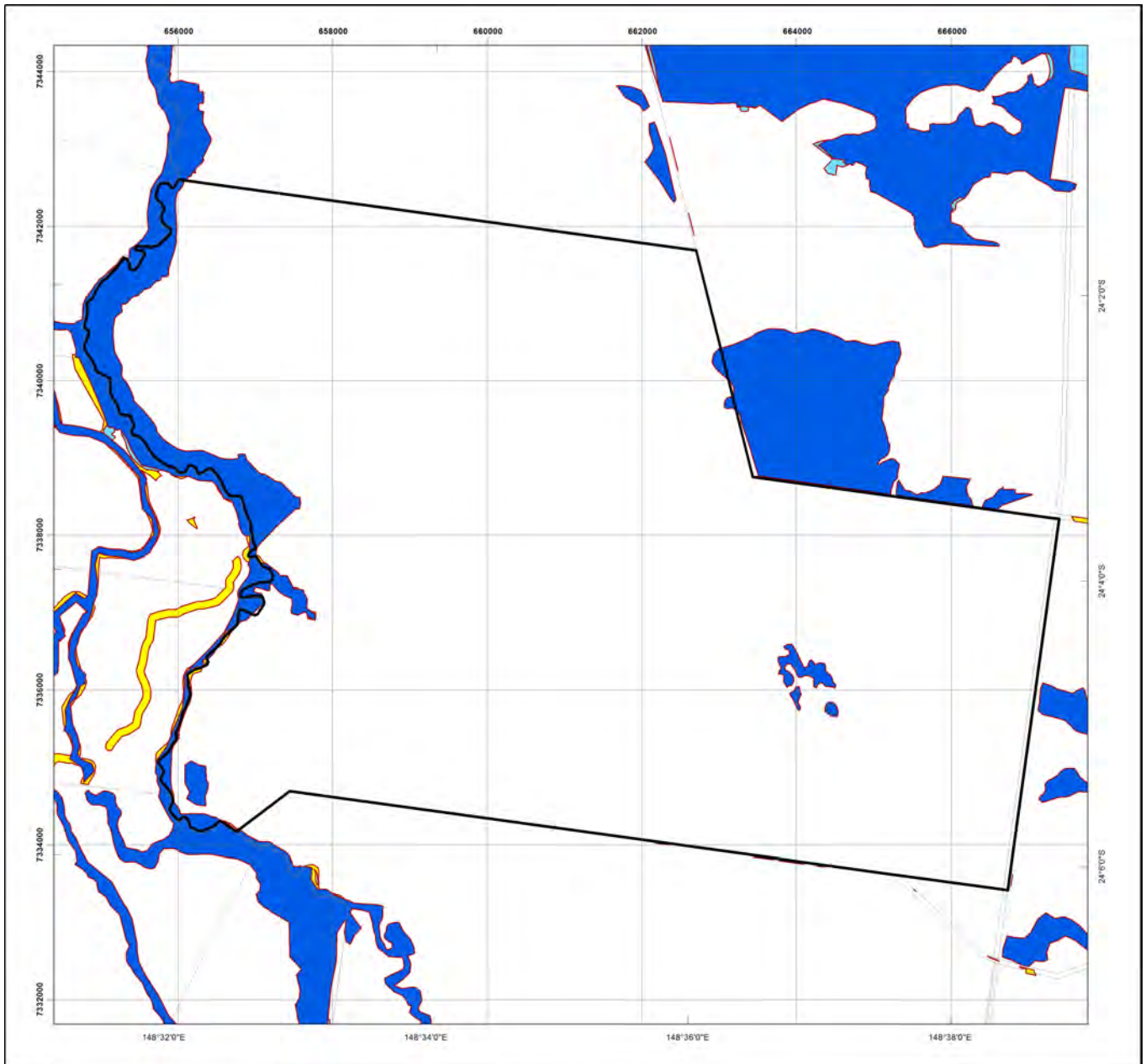
### **Coastal/non-coastal map**

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.

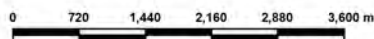
# 4.1 Regulated vegetation management map



## 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
- Other land parcel boundaries



This product is projected into:  
GDA 1994 MGA Zone 55

### 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.

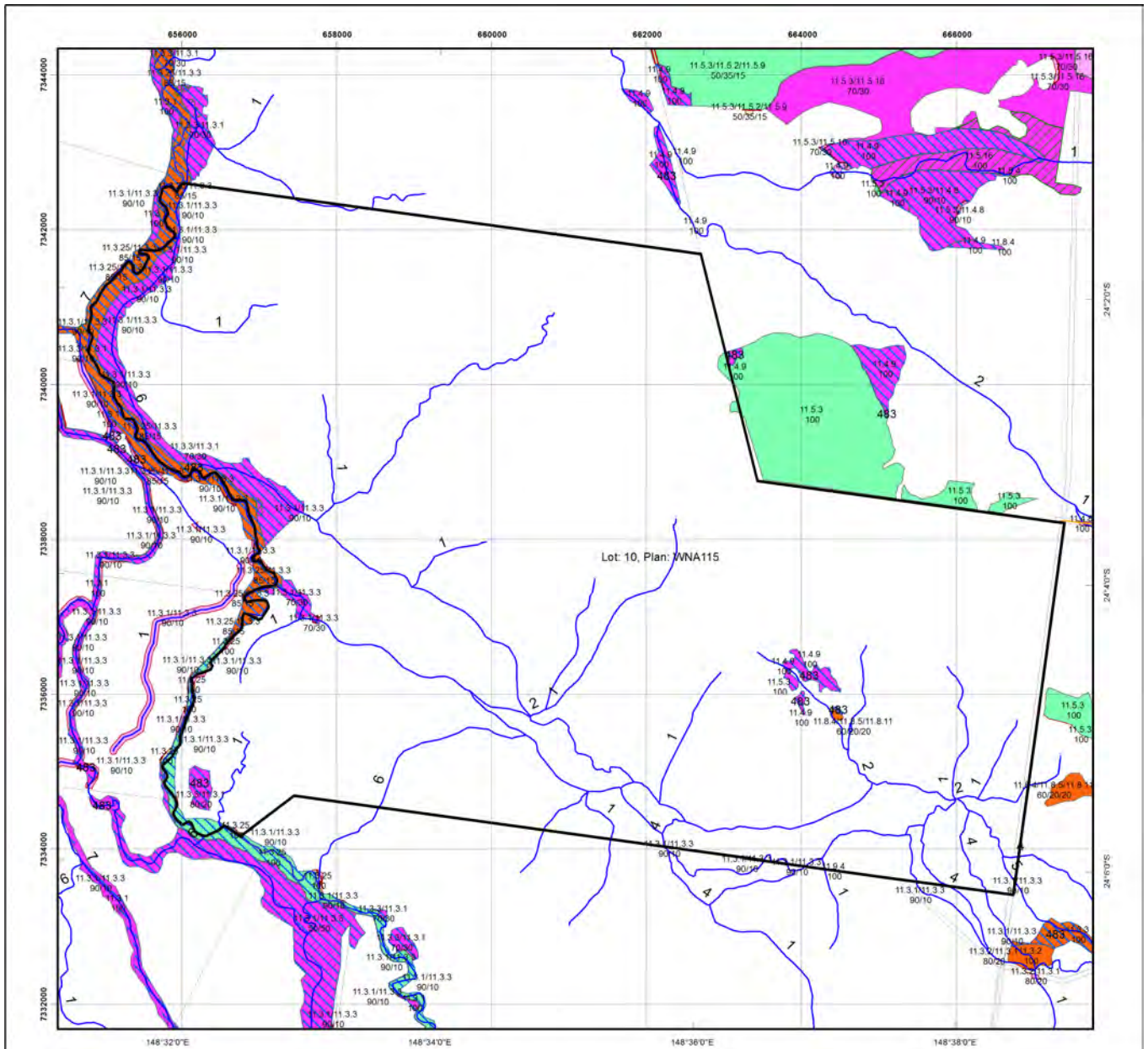
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at <http://www.information.qld.gov.au/>

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 C or R area containing endangered regional ecosystems
- Category C or R area containing of concern regional ecosystems
- 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



0 520 1,040 1,560 2,080 2,600 m

This product is projected into:  
GDA 1994 MGA Zone 55

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.

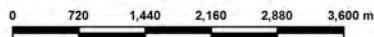
# 4.3 Coastal/non-coastal map



## Coastal/Non Coastal Map

### Legend

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



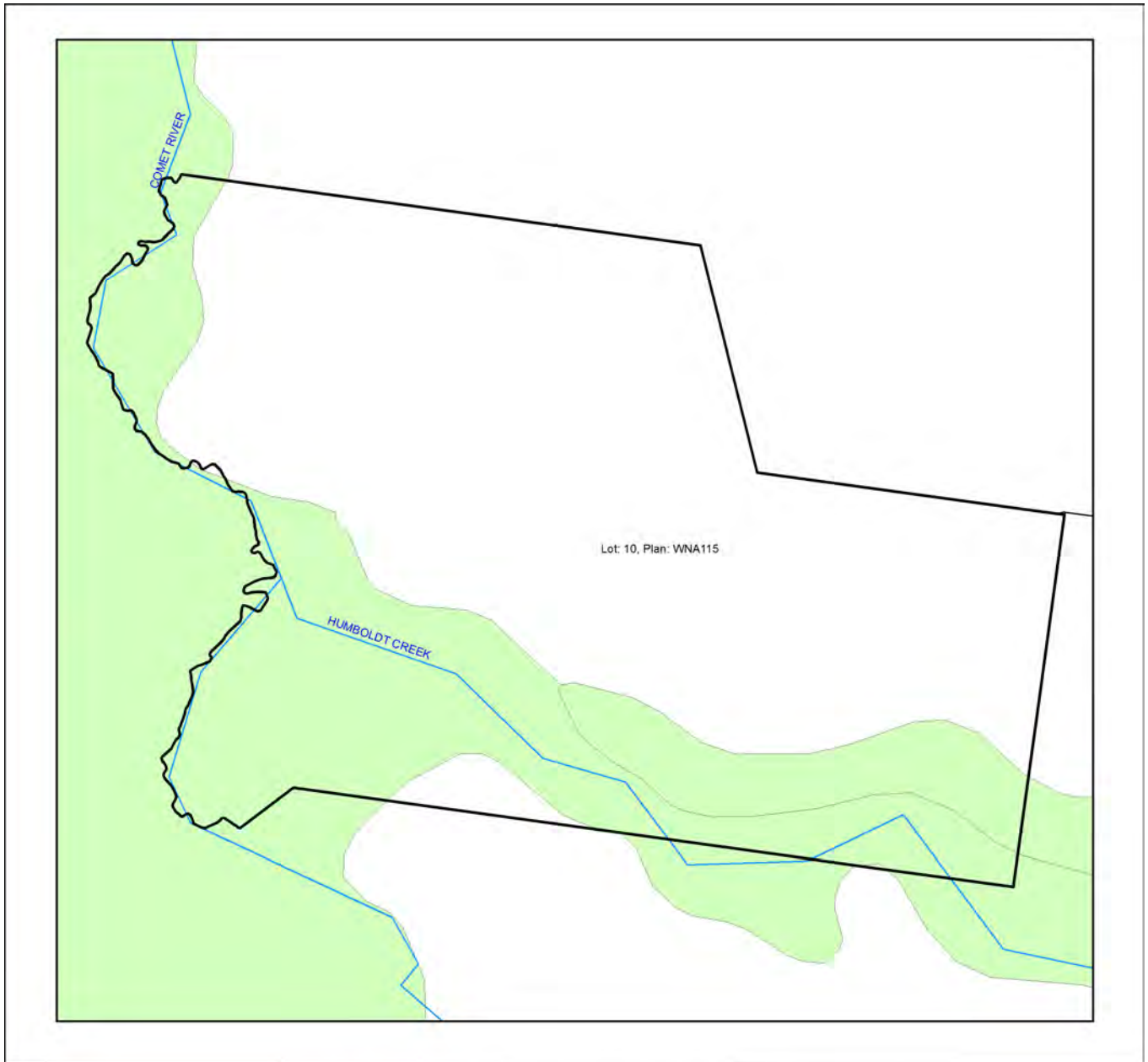
This product is projected into:  
GDA 1994 MGA Zone 55

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



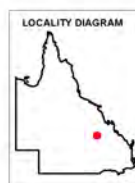
# 4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



## 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 55

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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 threatened and near threatened plants. These are areas where threatened or near threatened 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 threatened or near threatened plants that may be present in the clearing impact area.

If the flora survey identifies that threatened or near threatened plants are not present within the clearing impact area or clearing within 100m of a threatened or near threatened plant 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 threatened or near threatened 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 threatened or near threatened 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.

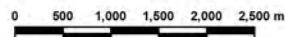


Lot: 10, Plan: WNA115

## 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 55

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: 10 Plan: WNA115

### 7.1 Koala districts

Koala District C

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

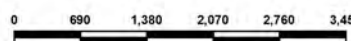


### Koala priority area, koala habitat area and identified koala broad-hectare area map

#### 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.

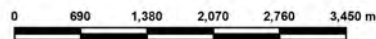
## 7.3 Koala habitat regional ecosystems for core koala habitat areas



### 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>



Queensland Government

Department of Environment and Science

Environmental Reports

## **Regional Ecosystems**

### ***Biodiversity Status***

For the selected area of interest  
epp: 2048

## Environmental Reports - General Information

The Environmental Reports portal provides for the assessment of selected matters of interest relevant to a user specified location, or area of interest (AOI). All area and derivative figures are relevant to the extent of matters of interest contained within the AOI unless otherwise stated. Please note, if a user selects an AOI via the "central coordinates" option, the resulting assessment area encompasses an area extending for a 2km radius from the input coordinates.

All area and area derived figures included in this report 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.

Figures in tables may be affected by rounding.

The matters of interest reported on in this document are based upon available state mapped datasets. Where the report indicates that a matter of interest is not present within the AOI (e.g. where area related calculations are equal to zero, or no values are listed), this may be due either to the fact that state mapping has not been undertaken for the AOI, that state mapping is incomplete for the AOI, or that no matters of interest have been identified within the site.

The information presented in this report should be considered as a guide only and field survey may be required to validate values on the ground.

### Important Note to User

Information presented in this report is based upon the Queensland Herbarium's Regional Ecosystem framework. The Biodiversity Status has been used to depict the extent of "Endangered", "Of Concern" and "No Concern at Present" regional ecosystems in all cases, rather than the classes used for the purposes of the *Vegetation Management Act 1999* (VMA). Mapping and figures presented in this document reflect the Queensland Herbarium's Remnant and Pre-clearing Regional Ecosystem Datasets, and not the certified mapping used for the purpose of the VMA.

For matters relevant to vegetation management under the VMA, please refer to the Department of Resources website <https://www.resources.qld.gov.au/>

Please direct queries about these reports to: Queensland.Herbarium@qld.gov.au

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## Summary Information

The following table provides an overview of the AOI with respect to selected topographic and environmental themes. Refer to **Map 1** for locality information.

**Table 1: Area of interest details: epp: 2048**

Size (ha)	45,082.88
Local Government(s)	Central Highlands Regional
Bioregion(s)	Brigalow Belt
Subregion(s)	Isaac - Comet Downs, Basalt Downs
Catchment(s)	Fitzroy

The table below summarizes the extent of remnant vegetation classed as "Endangered", "Of concern" and "No concern at present" regional ecosystems classified by Biodiversity Status within the area of interest (AOI).

**Table 2: Summary table, biodiversity status of regional ecosystems within the AOI**

Biodiversity Status	Area (Ha)	% of AOI
Endangered	1,532.33	3.4
Of concern	2,190.66	4.86
No concern at present	4,938.90	10.96
Total remnant vegetation	8,661.89	19.21

Refer to **Map 2** for further information.

# Regional Ecosystems

## 1. Introduction

Regional ecosystems are vegetation communities in a bioregion that are consistently associated with particular combinations of geology, landform and soil (Sattler and Williams 1999). Descriptions of Queensland's Regional ecosystems are available online from the Regional Ecosystem Description Database (REDD). Descriptions are compiled from a broad range of information sources including vegetation, land system and geology survey and mapping and detailed vegetation site data. The regional ecosystem classification and descriptions are reviewed as new information becomes available. A number of vegetation communities may form a single regional ecosystem and are usually distinguished by differences in dominant species, frequently in the shrub or ground layers and are denoted by a letter following the regional ecosystem code (e.g. a, b, c). Vegetation communities and regional ecosystems are amalgamated into a higher level classification of broad vegetation groups (BVGs).

A published methodology for survey and mapping of regional ecosystems across Queensland (Neldner et al 2020) provides further details on regional ecosystem concepts and terminology.

This report provides information on the type, status, and extent of vegetation communities, regional ecosystems and broad vegetation groups present within a user specified area of interest. Please note, for the purpose of this report, the Biodiversity Status is used. This report has not been developed for application of the *Vegetation Management Act 1999* (VMA). Additionally, information generated in this report has been derived from the Queensland Herbarium's Regional Ecosystem Mapping, and not the regulated mapping certified for the purposes of the VMA. If your interest/matter relates to regional ecosystems and the VMA, users should refer to the Department of Resources website.

<https://www.resources.qld.gov.au/>

With respect to the Queensland Biodiversity Status,

"Endangered" regional ecosystems are described as those where:

- remnant vegetation is less than 10 per cent of its pre-clearing extent across the bioregion; or 10-30% of its pre-clearing extent remains and the remnant vegetation is less than 10,000 hectares, or
- less than 10 per cent of its pre-clearing extent remains unaffected by severe degradation and/or biodiversity loss\*, or
- 10-30 per cent of its pre-clearing extent remains unaffected by severe degradation and/or biodiversity loss and the remnant vegetation is less than 10,000 hectares; or
- it is a rare\*\* regional ecosystem subject to a threatening process.\*\*\*

"Of concern" regional ecosystems are described as those where:

- the degradation criteria listed above for 'Endangered' regional ecosystems are not met and,
- remnant vegetation is 10-30 per cent of its pre-clearing extent across the bioregion; or more than 20 per cent of its pre-clearing extent remains and the remnant extent is less than 10,000 hectares, or
- 10-30 percent of its pre-clearing extent remains unaffected by moderate degradation and/or biodiversity loss.\*\*\*\*

and "No concern at present" regional ecosystems are described as those where:

- remnant vegetation is over 30 per cent of its pre-clearing extent across the bioregion, and the remnant area is greater than 10,000 hectares, and
- the degradation criteria listed above for 'Endangered' or 'Of concern' regional ecosystems are not met.

*\*Severe degradation and/or biodiversity loss is defined as: floristic and/or faunal diversity is greatly reduced but unlikely to recover within the next 50 years even with the removal of threatening processes; or soil surface is severely degraded, for example, by loss of A horizon, surface expression of salinity; surface compaction, loss of organic matter or sheet erosion.*

*\*\*Rare regional ecosystem: pre-clearing extent (1000 ha); or patch size (100 ha and of limited total extent across its range).*

*\*\*\*Threatening processes are those that are reducing or will reduce the biodiversity and ecological integrity of a regional ecosystem. For example, clearing, weed invasion, fragmentation, inappropriate fire regime or grazing pressure, or infrastructure development.*

\*\*\*\*Moderate degradation and/or biodiversity loss is defined as: floristic and/or faunal diversity is greatly reduced but unlikely to recover within the next 20 years even with the removal of threatening processes; or soil surface is moderately degraded.

## 2. Remnant Regional Ecosystems

The following table identifies the remnant regional ecosystems and vegetation communities mapped within the AOI and provides their short descriptions, Biodiversity Status, and remnant extent within the selected AOI. Please note, where heterogeneous vegetated patches (mixed patches of remnant vegetation mapped as containing multiple regional ecosystems) occur within the AOI, they have been split and listed as individual regional ecosystems (or vegetation communities where present) for the purposes of the table below. In such instances, associated area figures have been generated based upon the estimated proportion of each regional ecosystem (or vegetation community) predicted to be present within the larger mixed patch.

**Table 3: Remnant regional ecosystems, description and status within the AOI**

Regional Ecosystem	Short Description	BD Status	Area (Ha)	% of AOI
11.3.1	Acacia harpophylla and/or Casuarina cristata open forest on alluvial plains	Endangered	633.97	1.41
11.3.11	Semi-evergreen vine thicket on alluvial plains	Endangered	4.74	0.01
11.3.2	Eucalyptus populnea woodland on alluvial plains	Of concern	103.94	0.23
11.3.25	Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines	Of concern	546.96	1.21
11.3.3	Eucalyptus coolabah woodland on alluvial plains	Of concern	772.24	1.71
11.4.8	Eucalyptus cambageana woodland to open forest with Acacia harpophylla or A. argyrodendron on Cainozoic clay plains	Endangered	150.02	0.33
11.4.9	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Endangered	236.86	0.53
11.4.9a	Acacia harpophylla shrubby woodland with Terminalia oblongata on Cainozoic clay plains	Endangered	20.31	0.05
11.5.10	Melaleuca tamariscina tall open shrubland to low woodland on Cainozoic sand plains and/or remnant surfaces	Of concern	31.4	0.07
11.5.15	Semi-evergreen vine thicket on Cainozoic sand plains and/or remnant surfaces	Endangered	109.14	0.24
11.5.16	Acacia harpophylla and/or Casuarina cristata open forest in depressions on Cainozoic sand plains and remnant surfaces	Endangered	327.87	0.73
11.5.18	Micromyrtus capricornia open shrubland on Cainozoic sand plains and/or remnant surfaces	Of concern	5.01	0.01
11.5.2	Eucalyptus crebra, Corymbia spp., with E. moluccana woodland on lower slopes of Cainozoic sand plains and/or remnant surfaces	No concern at present	481.38	1.07
11.5.3	Eucalyptus populnea +/- E. melanophloia +/- Corymbia clarksoniana woodland on Cainozoic sand plains and/or remnant surfaces	No concern at present	3,192.83	7.08
11.5.9b	Eucalyptus crebra and other Eucalyptus spp. and Corymbia spp. woodland on Cainozoic sand plains and/or remnant surfaces	No concern at present	839.5	1.86
11.7.2	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone	No concern at present	210.81	0.47

Regional Ecosystem	Short Description	BD Status	Area (Ha)	% of AOI
11.8.11	Dichanthium sericeum grassland on Cainozoic igneous rocks	Of concern	597.55	1.33
11.8.4	Eucalyptus melanophloia woodland to open woodland on Cainozoic igneous rocks.	No concern at present	32.44	0.07
11.8.5	Eucalyptus orgadophila open woodland on Cainozoic igneous rocks	No concern at present	181.95	0.4
11.9.1	Acacia harpophylla-Eucalyptus cambageana woodland to open forest on fine-grained sedimentary rocks	Endangered	46.42	0.1
11.9.5	Acacia harpophylla and/or Casuarina cristata open forest to woodland on fine-grained sedimentary rocks	Endangered	3.0	0.01
11.9.7	Eucalyptus populnea, Eremophila mitchellii shrubby woodland on fine-grained sedimentary rocks	Of concern	133.56	0.3
non-remnant	None	None	36,420.98	80.79

Refer to **Map 2** for further information. **Map 3** also provides a visual estimate of the distribution of regional ecosystems present before clearing.

**Table 4** provides further information in regards to the remnant regional ecosystems present within the AOI. Specifically, the extent of remnant vegetation remaining within the bioregion, the 1:1,000,000 broad vegetation group (BVG) classification, whether the regional ecosystem is identified as a wetland, and extent of representation in Queensland's Protected Area Estate. For a description of the vegetation communities within the AOI and classified according to the 1:1,000,000 BVG, refer to **Table 6**.

**Table 4: Remnant regional ecosystems within the AOI, additional information**

Regional Ecosystem	Remnant Extent	BVG (1 Million)	Wetland	Representation in protected estate
11.3.1	Pre-clearing 784000 ha; Remnant 2019 81000 ha	25a	Not a Wetland	Low
11.3.11	Pre-clearing 18000 ha; Remnant 2019 2000 ha	7a	Not a Wetland	Low
11.3.2	Pre-clearing 1914000 ha; Remnant 2019 503000 ha	17a	Contains Palustrine	Low
11.3.25	Pre-clearing 804000 ha; Remnant 2019 519000 ha	16a	Riverine	Low
11.3.3	Pre-clearing 932000 ha; Remnant 2019 273000 ha	16c	Not a Wetland	Low
11.4.8	Pre-clearing 726000 ha; Remnant 2019 67000 ha	25a	Contains Palustrine	Low
11.4.9	Pre-clearing 998000 ha; Remnant 2019 90000 ha	25a	Contains Palustrine	Low
11.4.9a	Pre-clearing 998000 ha; Remnant 2019 90000 ha	25a	Not a Wetland	Low
11.5.10	Pre-clearing 11000 ha; Remnant 2019 10000 ha	21b	Not a Wetland	Low
11.5.15	Pre-clearing 44000 ha; Remnant 2019 15000 ha	7a	Not a Wetland	Low
11.5.16	Pre-clearing 15000 ha; Remnant 2019 4000 ha	25a	Palustrine	Low



Regional Ecosystem	Remnant Extent	BVG (1 Million)	Wetland	Representation in protected estate
11.5.18	Pre-clearing 7000 ha; Remnant 2019 4000 ha	29b	Not a Wetland	Medium
11.5.2	Pre-clearing 361000 ha; Remnant 2019 190000 ha	18b	Not a Wetland	Low
11.5.3	Pre-clearing 976000 ha; Remnant 2019 369000 ha	17a	Not a Wetland	Low
11.5.9b	Pre-clearing 366000 ha; Remnant 2019 239000 ha	18b	Not a Wetland	Low
11.7.2	Pre-clearing 549000 ha; Remnant 2019 359000 ha	24a	Not a Wetland	Low
11.8.11	Pre-clearing 602000 ha; Remnant 2019 170000 ha	30b	Not a Wetland	Low
11.8.4	Pre-clearing 217000 ha; Remnant 2019 151000 ha	11a	Not a Wetland	High
11.8.5	Pre-clearing 632000 ha; Remnant 2019 346000 ha	11a	Not a Wetland	Low
11.9.1	Pre-clearing 564000 ha; Remnant 2019 53000 ha	25a	Not a Wetland	Low
11.9.5	Pre-clearing 2270000 ha; Remnant 2019 162000 ha	25a	Not a Wetland	Low
11.9.7	Pre-clearing 505000 ha; Remnant 2019 103000 ha	17a	Not a Wetland	Low
non-remnant	None	None	None	None

*Representation in Protected Area Estate: High greater than 10% of pre-clearing extent is represented; Medium 4 - 10% is represented; Low less than 4% is represented, No representation.*

The distribution of mapped wetland systems within the area of interest is displayed in **Map 6**.

The following table lists known special values associated with a regional ecosystem type.

**Table 5: Remnant regional ecosystems within the AOI, special values**

Regional Ecosystem	Special Values
11.3.1	Habitat for threatened fauna species including painted honeyeater, <i>Grantiella picta</i> particularly in subregion 35 (Oliver et al. 2003).
11.3.11	Potential habitat for NCA listed species: <i>Macropteranthes leiocaulis</i>
11.3.2	Habitat for threatened flora species <i>Homopholis belsonii</i> . This ecosystem is also known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ).
11.3.25	Shown to be associated with a high fauna species richness in the Taroom area (Venz et al. 2002). Within parts of the Fitzroy catchment, this RE is known habitat for the threatened freshwater turtle <i>Rheodytes leukops</i> . Known to be important habitat for other riparian freshwater turtle species. This ecosystem is also known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ).
11.3.3	Mature trees provide hollows for fauna especially nesting birds. Associated with a high number fauna species (Dick 1992, Venz et al. 2002). 11.3.3c: Mature trees provide hollows for fauna especially nesting birds. Associated with a high number of fauna species (Dick 1992, Venz et al. 2002).

Regional Ecosystem	Special Values
11.4.8	Larger gilgai provides ephemeral wetland habitat.
11.4.9	Potential habitat for NCA listed species: <i>Cadellia pentastylis</i> , <i>Solanum adenophorum</i> , <i>Solanum dissectum</i> , <i>Solanum elachophyllum</i> , <i>Solanum johnsonianum</i> , <i>Xerothamnella herbacea</i>
11.4.9a	Potential habitat for NCA listed species: <i>Cadellia pentastylis</i> , <i>Solanum adenophorum</i> , <i>Solanum dissectum</i> , <i>Solanum elachophyllum</i> , <i>Solanum johnsonianum</i> , <i>Xerothamnella herbacea</i>
11.5.10	None
11.5.15	Habitat for threatened plant species including <i>Fontainea fugax</i> , <i>Pomaderris clivicola</i> and <i>Cadellia pentastylis</i> and the near threatened species <i>Macropteranthes leiocaulis</i> ; a wide range of flora and fauna species with disjunct distributions.
11.5.16	Potential habitat for NCA listed species: <i>Solanum elachophyllum</i>
11.5.18	None
11.5.2	Potential habitat for NCA listed species: <i>Acacia storyi</i>
11.5.3	Potential habitat for NCA listed species: <i>Sannantha brachypoda</i>
11.5.9b	Potential habitat for NCA listed species: <i>Cerbera dumicola</i> , <i>Cossinia australiana</i> , <i>Cycas ophiolitica</i> , <i>Solanum elachophyllum</i>
11.7.2	Habitat for threatened plant species including <i>Acacia wardellii</i> .
11.8.11	Habitat for threatened plant species including <i>Trioncinia retroflexa</i> and <i>Dichanthium queenslandicum</i> . <i>T. retroflexa</i> is currently known from three small populations.
11.8.4	Potential habitat for NCA listed species: <i>Acacia arbiana</i> , <i>Acacia islana</i> , <i>Bertya pedicellata</i> , <i>Grevillea hockingsii</i> , <i>Haloragis exalata</i> subsp. <i>velutina</i> , <i>Marsdenia brevifolia</i> , <i>Sannantha brachypoda</i> . This ecosystem is also known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ).
11.8.5	In southern part of bioregion, habitat for a number of threatened plant species including <i>Picris evae</i> and <i>Thesium australe</i> and near threatened species <i>Digitaria porrecta</i> and <i>Discaria pubescens</i> . This ecosystem is also known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ). 11.8.5a: This ecosystem is known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ).
11.9.1	Potential habitat for NCA listed species: <i>Solanum adenophorum</i> , <i>Solanum dissectum</i> , <i>Solanum elachophyllum</i> , <i>Solanum johnsonianum</i> , <i>Xerothamnella herbacea</i>
11.9.5	Habitat for threatened fauna species including <i>Jalmenus eubulus</i> , pale imperial hairstreak butterfly (Eastwood et al. 2008)
11.9.7	None
non-remnant	None

### 3. Remnant Regional Ecosystems by Broad Vegetation Group

BVGs are a higher-level grouping of vegetation communities. Queensland encompasses a wide variety of landscapes across temperate, wet and dry tropics and semi-arid climatic zones. BVGs provide an overview of vegetation communities across the state or a bioregion and allow comparison with other states. There are three levels of BVGs which reflect the approximate scale at which they are designed to be used: the 1:5,000,000 (national), 1:2,000,000 (state) and 1:1,000,000 (regional) scales.

A comprehensive description of BVGs is available at:

<https://publications.qld.gov.au/dataset/redd/resource/>

The following table provides a description of the 1:1,000,000 BVGs present and their associated extent within the AOI.

**Table 6: Broad vegetation groups (1 million) within the AOI**

BVG (1 Million)	Description	Area (Ha)	% of AOI
None	None	36,420.98	80.79
11a	Moist to dry open forests to woodlands dominated by <i>Eucalyptus orgadophila</i> (mountain coolibah). Some areas dominated by <i>E. tereticornis</i> (blue gum), <i>E. melliodora</i> (yellow box), <i>E. albens</i> (white box), <i>E. crebra</i> (narrow-leaved red ironbark) or <i>E. melanophloia</i> (silver-leaved ironbark). (land zones 8, 11, 4, [3]) (BRB, SEQ, EIU)	214.38	0.48
16a	Open forest and woodlands dominated by <i>Eucalyptus camaldulensis</i> (river red gum) (or <i>E. tereticornis</i> (blue gum)) and/or <i>E. coolabah</i> (coolabah) (or <i>E. microtheca</i> (coolabah)) fringing drainage lines. Associated species may include <i>Melaleuca</i> spp., <i>Corymbia tessellaris</i> (carbeen), <i>Angophora</i> spp., <i>Casuarina cunninghamiana</i> (riveroak). Does not include alluvial areas dominated by herb and grasslands or alluvial plains that are not flooded. (land zone 3) (MGD, BRB, GUP, CHC, MUL, DEU, EIU, NWH, SEQ, [NET, WET]) (All bioregions except CYP and CQC)	546.96	1.21
16c	Woodlands and open woodlands dominated by <i>Eucalyptus coolabah</i> (coolabah) or <i>E. microtheca</i> (coolabah) or <i>E. largiflorens</i> (black box) or <i>E. tereticornis</i> (blue gum) or <i>E. chlorophylla</i> on floodplains. Does not include alluvial areas dominated by herb and grasslands or alluvial plains that are not flooded. (land zone 3) (All bioregions except WET, principally GUP, BRB, MUL).	772.24	1.71
17a	Woodlands dominated by <i>Eucalyptus populnea</i> (poplar box) (or <i>E. brownii</i> (Reid River box)) on alluvium, sand plains and footslopes of hills and ranges. (land zones 3, 5, 10, 9, 4, 11, 12, [8]) (BRB, MUL, DEU, MUL, EIU)	3,430.33	7.61
18b	Woodlands dominated <i>Eucalyptus crebra</i> (sens. lat.) (narrow-leaved red ironbark) frequently with <i>Corymbia</i> spp. or <i>Callitris</i> spp. on flat to undulating plains. (land zones 5, 3) (BRB, DEU, EIU, GUP, CYP)	1,320.88	2.93
21b	Low open woodlands and tall shrublands of <i>Melaleuca citrolens</i> or <i>M. stenostachya</i> or other <i>Melaleuca</i> spp. (land zones 5, 3, 7, 10, 11, 12) (GUP, CYP, EIU, DEU, BRB, [SEQ])	31.4	0.07
24a	Low woodlands to tall shrublands dominated by <i>Acacia</i> spp. on residuals. Species include <i>A. shirleyi</i> (lancewood), <i>A. catenulata</i> (bendee), <i>A. microsperma</i> (bowyakka), <i>A. clivicola</i> , <i>A. sibirica</i> , <i>A. rhodoxylon</i> (rosewood) and <i>A. leptostachya</i> (Townsville wattle). (land zones 7, 10, 5, 12, 11, [9, 3]) (MUL, CHC, BRB, GUP, EIU, MGD, DEU, NWH, [CYP])	210.81	0.47
25a	Open forests to woodlands dominated by <i>Acacia harpophylla</i> (brigalow) sometimes with <i>Casuarina cristata</i> (belah) on heavy clay soils. Includes areas co-dominated with <i>A. cambagei</i> (gidgee) and/or emergent eucalypts (land zones 4, 9, 3, 11, 7, 12, [5, 8]) (BRB, MUL, MGD, DEU, [SEQ])	1,418.45	3.15
29b	Open shrublands to open heaths in montane frequently rocky locations. (land zones 7, 12, 11, 5, 8, 10) (BRB, NWH, WET, CYP, EIU, SEQ, DEU, [NET, CQC])	5.01	0.01

BVG (1 Million)	Description	Area (Ha)	% of AOI
30b	Tussock grasslands dominated by <i>Astrebla</i> spp. (mitchell grass) or <i>Dichanthium</i> spp. (bluegrass) often with <i>Iseilema</i> spp. on undulating downs or clay plains. (land zones 9, 3, 4, 8, [5]) (MGD, CHC, GUP, BRB, [EIU, DEU, NWH])	597.55	1.33
7a	Semi-evergreen vine thickets on wide range of substrates. (land zones 8, 9, 11, 12, 5, 4, 3, 10, [7]) (BRB, EIU, SEQ, CQC, [WET, GUP]) (Tracey 1982 11)	113.88	0.25

Refer to **Map 4** for further information. **Map 5** also provides a representation of the distribution of vegetation communities as per the 1:5,000,000 BVG believed to be present prior to European settlement.

#### 4. Technical and BioCondition Benchmark Descriptions

Technical descriptions provide a detailed description of the full range in structure and floristic composition of regional ecosystems (e.g. 11.3.1) and their component vegetation communities (e.g. 11.3.1a, 11.3.1b). See:

<http://www.qld.gov.au/environment/plants-animals/plants/ecosystems/technical-descriptions/>

The descriptions are compiled using site survey data from the Queensland Herbarium's CORVEG database. Distribution maps, representative images (if available) and the pre-clearing and remnant extent (hectares) of each vegetation community derived from the regional ecosystem mapping data are included. The technical descriptions should be used in conjunction with the fields from the regional ecosystem description database (REDD) for a full description of the regional ecosystem.

Technical descriptions include data on canopy height, canopy cover and native plant species composition of the predominant layer, which are attributes relevant to assessment of the remnant status of vegetation under the *Vegetation Management Act 1999*. However, as technical descriptions reflect the full range in structure and floristic composition across the climatic, natural disturbance and geographic range of the regional ecosystem, local reference sites should be used for remnant assessment where possible (Neldner et al. 2020 (PDF)\* section 3.3 of:

<https://publications.qld.gov.au/dataset/redd/resource/>

The technical descriptions are subject to review and are updated as additional data becomes available.

When conducting a BioCondition assessment, these technical descriptions should be used in conjunction with BioCondition benchmarks for the specific regional ecosystem, or component vegetation community.

<http://www.qld.gov.au/environment/plants-animals/biodiversity/benchmarks/>

Benchmarks are based on a combination of quantitative and qualitative information and should be used as a guide only. Benchmarks are specific to one regional ecosystem vegetation community, however, the natural variability in structure and floristic composition under a range of climatic and natural disturbance regimes has been considered throughout the geographic extent of the regional ecosystem. Local reference sites should be used for this spatial and temporal (seasonal and annual) variability.

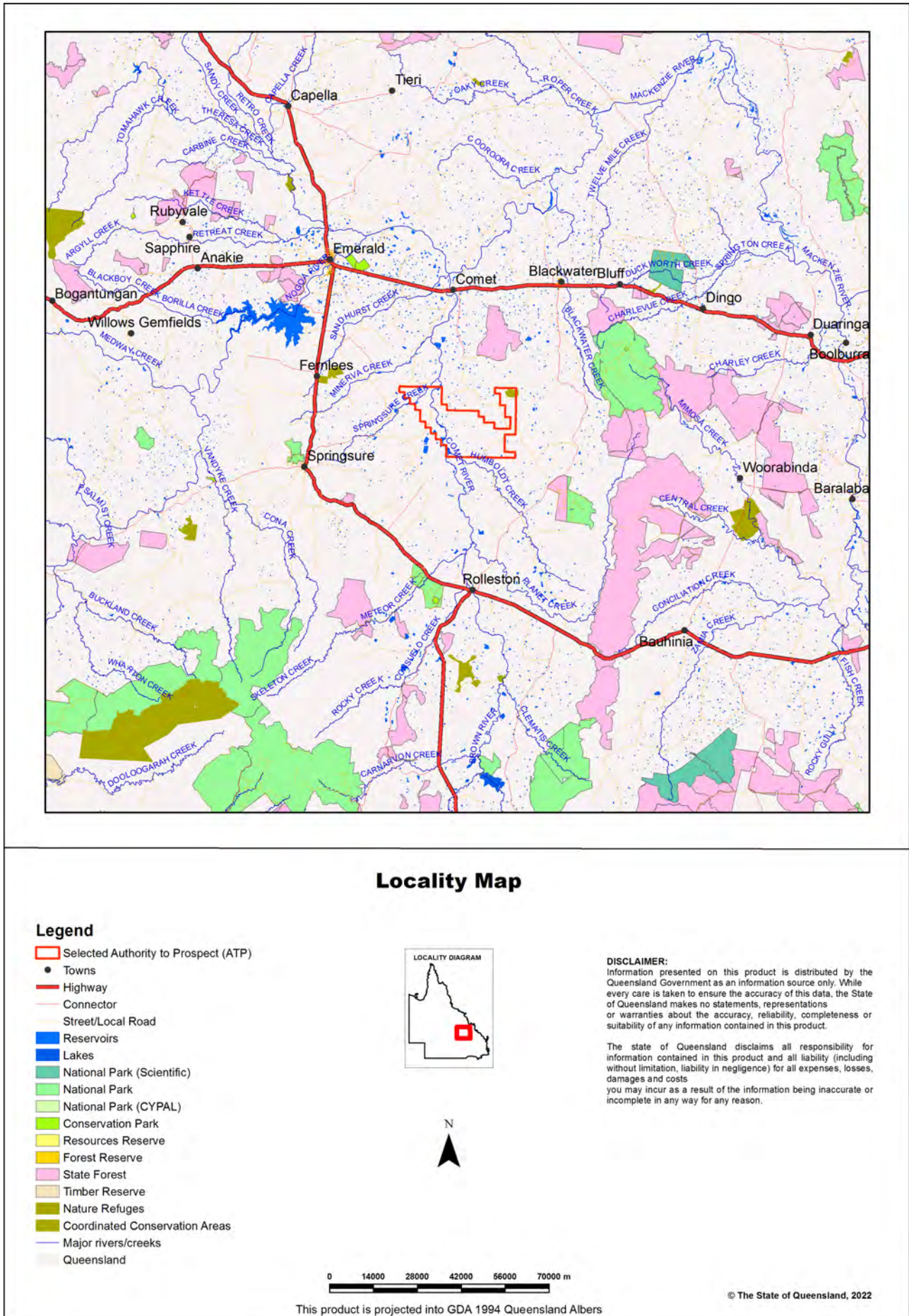
**Table 7: List of remnant regional ecosystems within the AOI for which technical and biocondition benchmark descriptions are available**

Regional ecosystems mapped as within the AOI	Technical Descriptions	Biocondition Benchmarks
11.3.1	Available	Available
11.3.11	Available	Available
11.3.2	Available	Available
11.3.25	Available	Available
11.3.3	Available	Available
11.4.8	Available	Available
11.4.9	Available	Not currently available
11.4.9a	Available	Not currently available

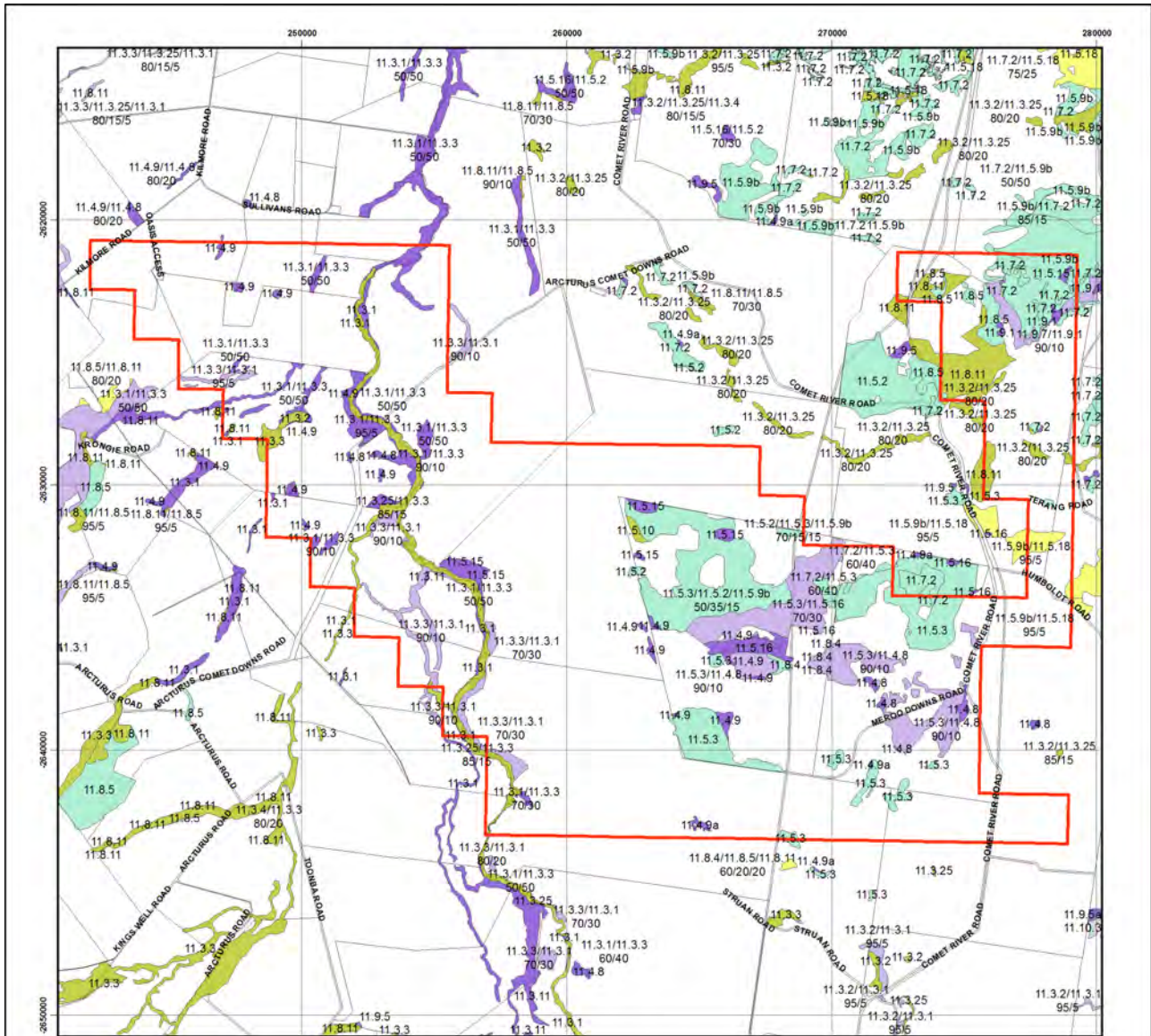
<b>Regional ecosystems mapped as within the AOI</b>	<b>Technical Descriptions</b>	<b>Biocondition Benchmarks</b>
11.5.10	Available	Available
11.5.15	Available	Available
11.5.16	Available	Available
11.5.18	Available	Not currently available
11.5.2	Available	Available
11.5.3	Available	Available
11.5.9b	Available	Available
11.7.2	Available	Available
11.8.11	Available	Available
11.8.4	Available	Available
11.8.5	Available	Not currently available
11.9.1	Available	Available
11.9.5	Available	Available
11.9.7	Available	Available
non-remnant	Not currently available	Not currently available

# Maps

## Map 1 - Location



# Map 2 - Remnant 2019 regional ecosystems



## Remnant 2019 Regional Ecosystems

### Biodiversity Status

- Selected Authority to Prospect (ATP)
- Endangered - Dominant vegetation
- Endangered - Sub-dominant
- Of Concern - Dominant
- Of Concern - Sub-dominant
- No concern at present
- Non-remnant vegetation, cultivated or built environment
- Plantation
- Water
- Cadastral Boundaries



This product is projected into GDA 1994 Queensland Albers

Regional ecosystem mapping over the majority of Queensland is produced at a scale of 1:100,000. At this scale, the minimum remnant polygon area is 5 hectares or minimum remnant width of 75 metres. Regional ecosystem linework reproduced at a scale greater than 1:100,000, except in designated areas, should be used as a guide only. The precision of polygon boundaries or positional accuracy of linework is 100 metres.

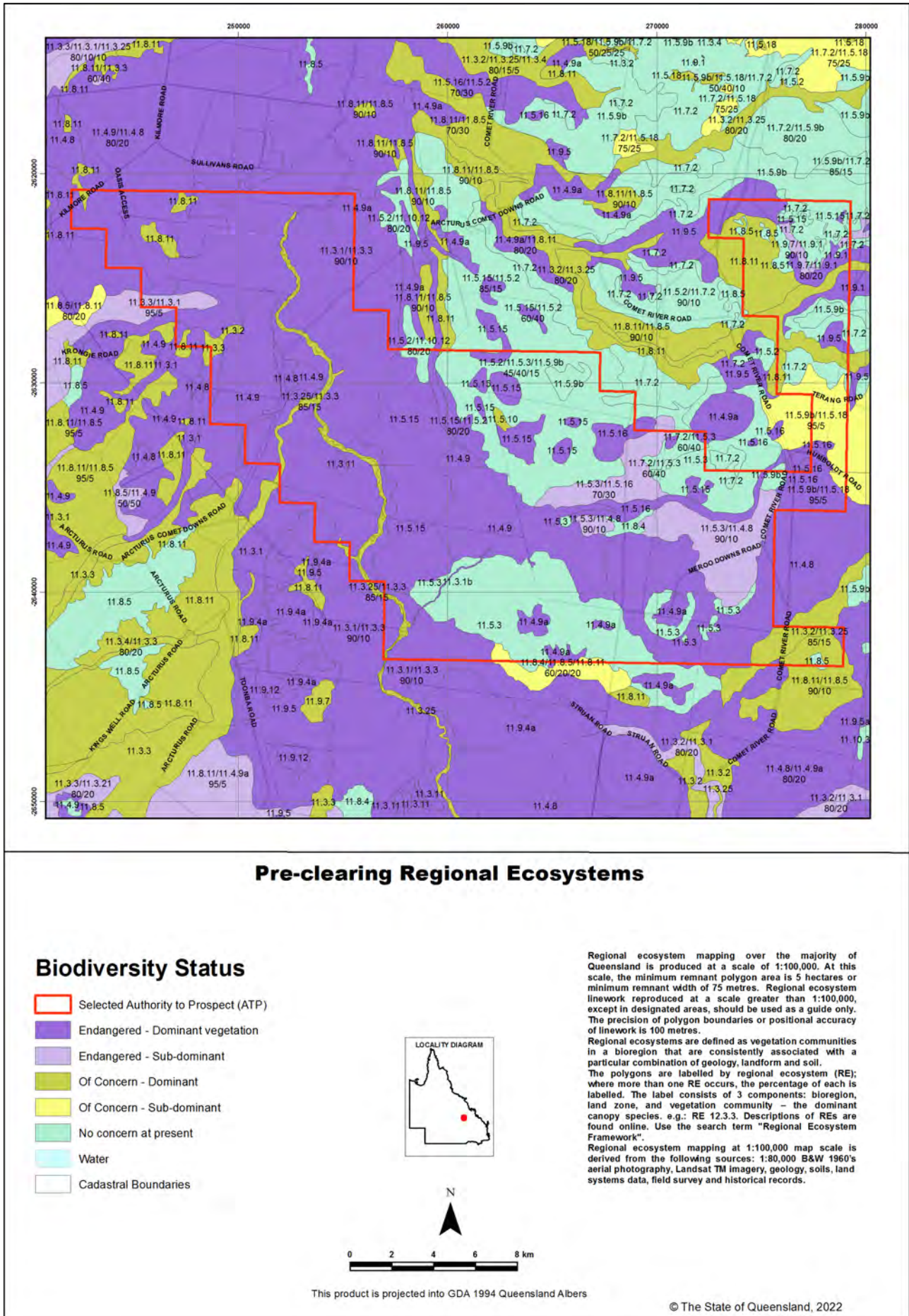
Regional ecosystems are defined as vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil. The polygons are labelled by regional ecosystem (RE); where more than one RE occurs, the percentage of each is labelled. The label consists of 3 components: bioregion, land zone, and vegetation community – the dominant canopy species. e.g.: RE 12.3.3. Descriptions of REs are found online. Use the search term "Regional Ecosystem Framework".

Regional ecosystem mapping at 1:100,000 map scale is derived from the following sources: 1:80,000 B&W 1960's aerial photography, Landsat TM imagery, geology, soils, land systems data, field survey and historical records.

Remnant woody vegetation is defined as vegetation that has not been cleared or vegetation that has been cleared but where the dominant canopy has >70% of the height and >50% of the cover relative to the undisturbed height and cover of that stratum and is dominated by species characteristic of the vegetation's undisturbed canopy. Non-remnant vegetation includes regrowth and disturbed native vegetation.

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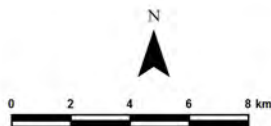
### Map 3 - Pre-clearing regional ecosystems



### Pre-clearing Regional Ecosystems

#### Biodiversity Status

- Selected Authority to Prospect (ATP)
- Endangered - Dominant vegetation
- Endangered - Sub-dominant
- Of Concern - Dominant
- Of Concern - Sub-dominant
- No concern at present
- Water
- Cadastral Boundaries



This product is projected into GDA 1994 Queensland Albers

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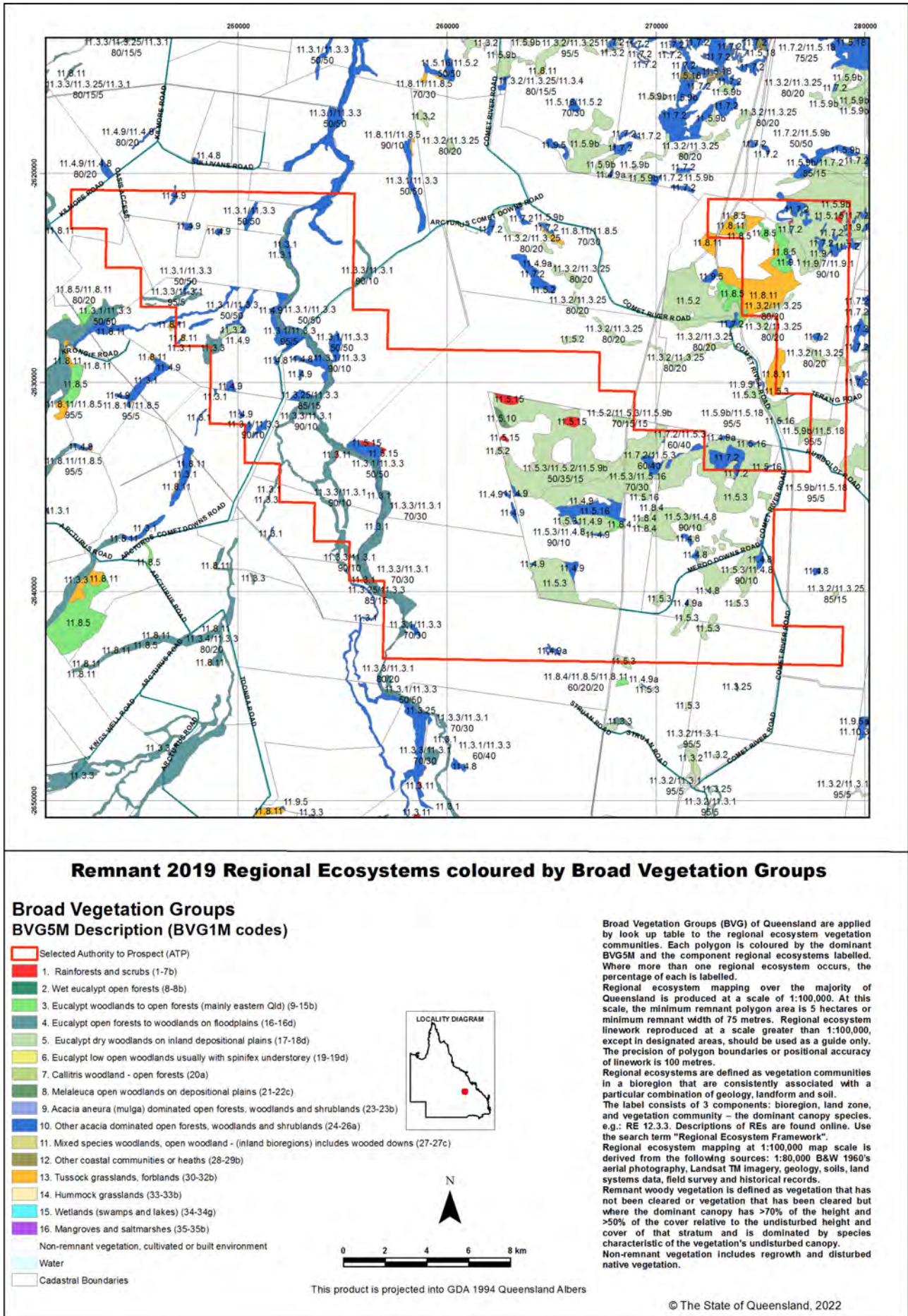
Regional ecosystem mapping over the majority of Queensland is produced at a scale of 1:100,000. At this scale, the minimum remnant polygon area is 5 hectares or minimum remnant width of 75 metres. Regional ecosystem linework reproduced at a scale greater than 1:100,000, except in designated areas, should be used as a guide only. The precision of polygon boundaries or positional accuracy of linework is 100 metres.

Regional ecosystems are defined as vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil. The polygons are labelled by regional ecosystem (RE); where more than one RE occurs, the percentage of each is labelled. The label consists of 3 components: bioregion, land zone, and vegetation community – the dominant canopy species, e.g.: RE 12.3.3. Descriptions of REs are found online. Use the search term "Regional Ecosystem Framework".

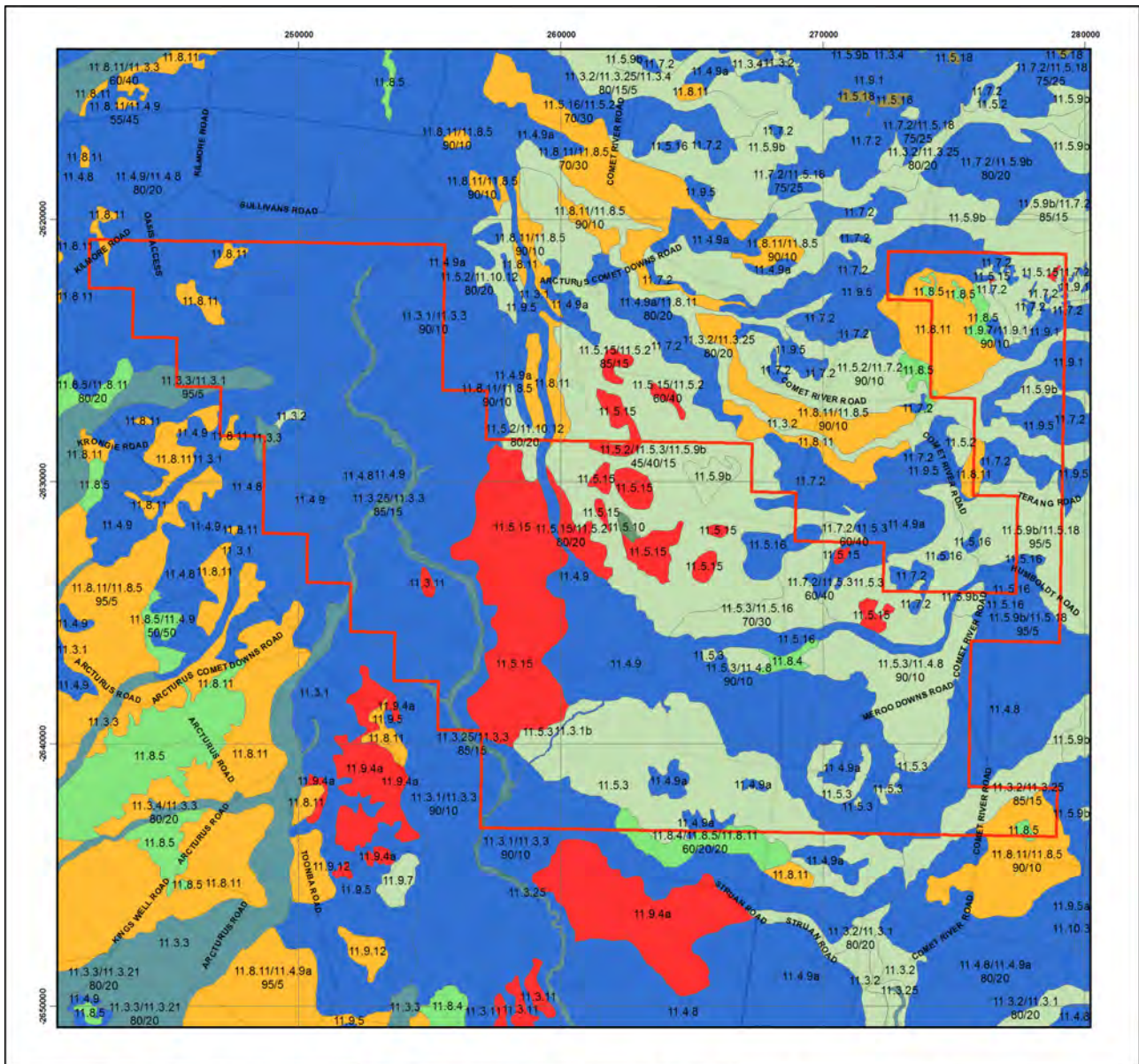
Regional ecosystem mapping at 1:100,000 map scale is derived from the following sources: 1:80,000 B&W 1960's aerial photography, Landsat TM imagery, geology, soils, land systems data, field survey and historical records.



### Map 4 - Remnant 2019 regional ecosystems by BVG (5M)



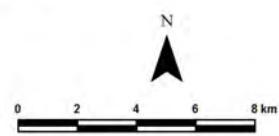
### Map 5 - Pre-clearing regional ecosystems by BVG (5M)



#### Pre-clearing Regional Ecosystems coloured by Broad Vegetation Groups

##### Broad Vegetation Groups BVG5M Description (BVG1M codes)

- Selected Authority to Prospect (ATP)
- 1. Rainforests and scrubs (1-7b)
- 2. Wet eucalypt open forests (8-8b)
- 3. Eucalypt woodlands to open forests (mainly eastern Qld) (9-15b)
- 4. Eucalypt open forests to woodlands on floodplains (16-16d)
- 5. Eucalypt dry woodlands on inland depositional plains (17-18d)
- 6. Eucalypt low open woodlands usually with spinifex understorey (19-19d)
- 7. Callitris woodland - open forests (20a)
- 8. Melaleuca open woodlands on depositional plains (21-22c)
- 9. Acacia aneura (mulga) dominated open forests, woodlands and shrublands (23-23b)
- 10. Other acacia dominated open forests, woodlands and shrublands (24-26a)
- 11. Mixed species woodlands, open woodland - (inland bioregions) includes wooded downs (27-27c)
- 12. Other coastal communities or heaths (28-29b)
- 13. Tussock grasslands, forblands (30-32b)
- 14. Hummock grasslands (33-33b)
- 15. Wetlands (swamps and lakes) (34-34g)
- 16. Mangroves and saltmarshes (35-35b)
- Water
- Cadastral Boundaries



This product is projected into GDA 1994 Queensland Albers

Broad Vegetation Groups (BVG) of Queensland are applied by look up table to the regional ecosystem vegetation communities. Each polygon is coloured by the dominant BVGSM and the component regional ecosystems labelled. Where more than one regional ecosystem occurs, the percentage of each is labelled.

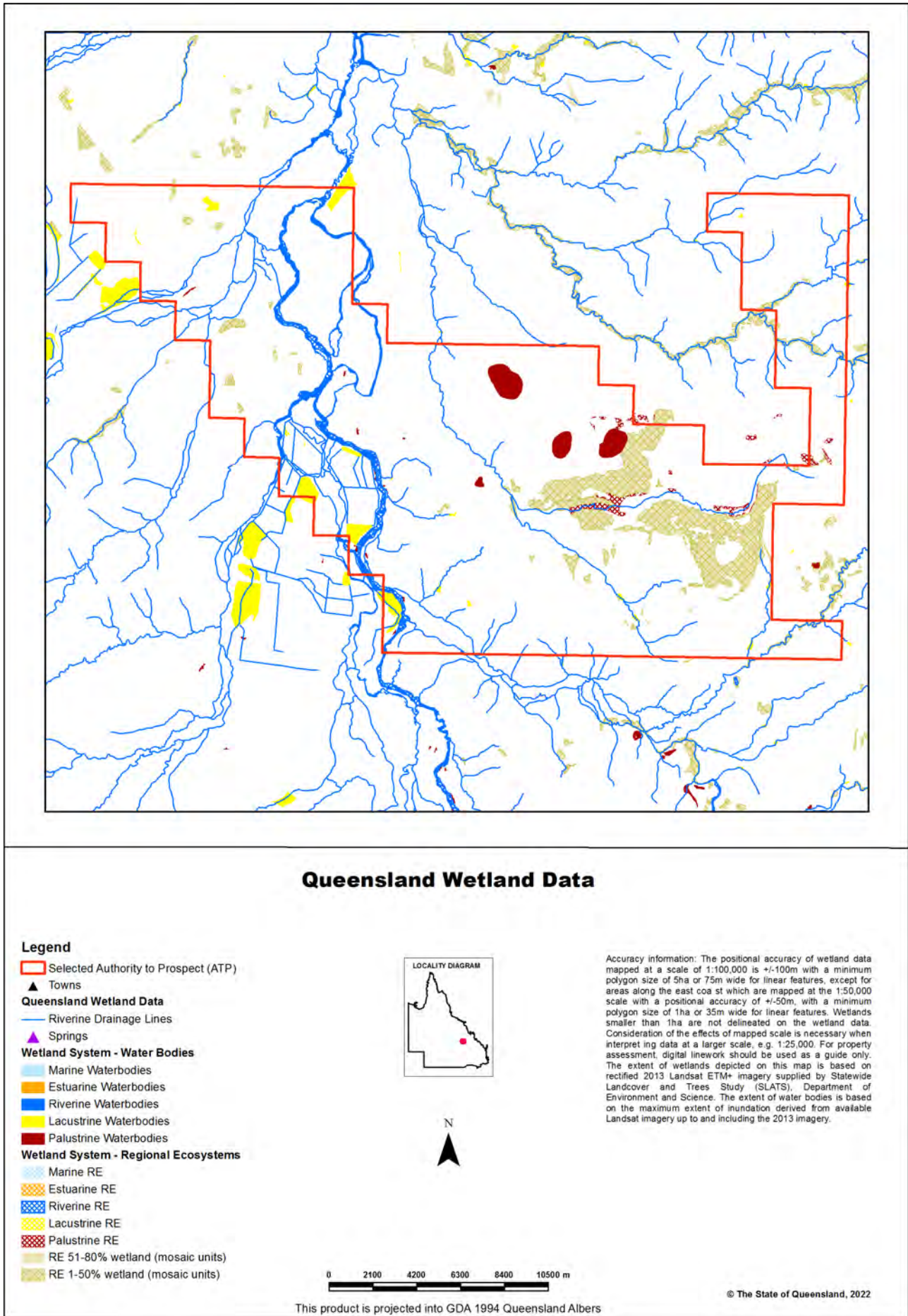
Regional ecosystem mapping over the majority of Queensland is produced at a scale of 1:100,000. At this scale, the minimum remnant polygon area is 5 hectares or minimum remnant width of 75 metres. Regional ecosystem linework reproduced at a scale greater than 1:100,000, except in designated areas, should be used as a guide only. The precision of polygon boundaries or positional accuracy of linework is 100 metres.

Regional ecosystems are defined as vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil. The label consists of 3 components: bioregion, land zone, and vegetation community – the dominant canopy species. e.g.: RE 12.3.3. Descriptions of REs are found online. Use the search term "Regional Ecosystem Framework".

Regional ecosystem mapping at 1:100,000 map scale is derived from the following sources: 1:80,000 BSW 1960's aerial photography, Landsat TM imagery, geology, soils, land systems data, field survey and historical records.

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### Map 6 - Wetlands and waterways



## Links and Other Information Sources

The Department of Environment and Science's Website -

<http://www.qld.gov.au/environment/plants-animals/plants/ecosystems/>

provides further information on the regional ecosystem framework, including access to links to the Regional Ecosystem Database, Broad Vegetation Group Definitions, Regional Ecosystem and Land zone descriptions.

Descriptions of the broad vegetation groups of Queensland can be downloaded from:

<https://publications.qld.gov.au/dataset/redd/resource/>

The methodology for mapping regional ecosystems can be downloaded from:

<https://publications.qld.gov.au/dataset/redd/resource/>

Technical descriptions for regional ecosystems can be obtained from:

<http://www.qld.gov.au/environment/plants-animals/plants/ecosystems/technical-descriptions/>

Benchmarks can be obtained from:

<http://www.qld.gov.au/environment/plants-animals/biodiversity/benchmarks/>

For further information associated with the remnant regional ecosystem dataset used by this report, refer to the metadata associated with the Biodiversity status of pre-clearing and Remnant Regional Ecosystems of Queensland dataset (version listed in **Appendix 1**) which is available through the Queensland Government Information System portal,

<http://dds.information.qld.gov.au/dds/>

The Queensland Globe is a mapping and data application. As an interactive online tool, Queensland Globe allows you to view and explore Queensland maps, imagery (including up-to-date satellite images) and other spatial data, including regional ecosystem mapping. To further view and explore regional ecosystems over an area of interest, access the Biota Globe (a component of the Queensland Globe). The Queensland Globe can be accessed via the following link:

<https://qldglobe.information.qld.gov.au/>

## References

Neldner, V.J., Niehus, R.E., Wilson, B.A., McDonald, W.J.F., Ford, A.J. and Accad, A. (2019). The Vegetation of Queensland. Descriptions of Broad Vegetation Groups. Version 4.0. Queensland Herbarium, Department of Environment and Science.

<https://publications.qld.gov.au/dataset/redd/resource/78209e74-c7f2-4589-90c1-c33188359086>

Neldner, V.J., Wilson, B.A., Dillewaard, H.A., Ryan, T.S., Butler, D.W., McDonald, W.J.F., Addicott, E.P. and Appelman, C.N. (2020). Methodology for survey and mapping of regional ecosystems and vegetation communities in Queensland. Version 5.1. Updated March 2020. Queensland Herbarium, Queensland Department of Environment and Science, Brisbane.

<https://publications.qld.gov.au/dataset/redd/resource/6dee78ab-c12c-4692-9842-b7257c2511e4>

Sattler, P.S. and Williams, R.D. (eds) (1999). *The Conservation Status of Queensland's Bioregional Ecosystems*. Environmental Protection Agency, Brisbane.

## Appendices

### Appendix 1 - Source Data

The dataset listed below is available for download from:

<http://www.qld.gov.au/environment/plants-animals/plants/ecosystems/download/>

- Regional Ecosystem Description Database

The datasets listed below are available for download from:

<http://dds.information.qld.gov.au/dds/>

- Biodiversity status of pre-clearing and 2019 remnant regional ecosystems of Queensland
- Pre-clearing Vegetation Communities and Regional Ecosystems of Queensland
- Queensland Wetland Data Version - Wetland lines
- Queensland Wetland Data Version - Wetland points
- Queensland Wetland Data Version - Wetland areas

## Appendix 2 - Acronyms and Abbreviations

AOI	- Area of Interest
GDA94	- Geocentric Datum of Australia 1994
GIS	- Geographic Information System
RE	- Regional Ecosystem
REDD	- Regional Ecosystem Description Database
VMA	- <i>Vegetation Management Act 1999</i>



# Queensland Government

## WildNet species list

Search Criteria: Species List for a Specified Point  
Species: All  
Type: All  
Queensland status: All  
Records: Confirmed  
Date: Since 1980  
Latitude: -24.0489  
Longitude: 148.6281  
Distance: 50  
Email: orobertson@epicenvironmental.com.au  
Date submitted: Friday 20 Jan 2023 13:42:35  
Date extracted: Friday 20 Jan 2023 13:50:03

The number of records retrieved = 1717

### **Disclaimer**

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

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

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

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufo	<i>Rhinella marina</i>	cane toad	Y			49
animals	amphibians	Hylidae	<i>Cyclorana alboguttata</i>	greenstripe frog		C		14/2
animals	amphibians	Hylidae	<i>Cyclorana brevipes</i>	superb collared frog		C		1/1
animals	amphibians	Hylidae	<i>Cyclorana cultripes</i>	grassland collared frog		C		3
animals	amphibians	Hylidae	<i>Cyclorana novaehollandiae</i>	eastern snapping frog		C		8
animals	amphibians	Hylidae	<i>Cyclorana platycephala</i>	water holding frog		C		1
animals	amphibians	Hylidae	<i>Cyclorana sp.</i>			C		1
animals	amphibians	Hylidae	<i>Cyclorana verrucosa</i>	rough collared frog		C		4/4
animals	amphibians	Hylidae	<i>Litoria caerulea</i>	common green treefrog		C		26
animals	amphibians	Hylidae	<i>Litoria fallax</i>	eastern sedgefrog		C		3
animals	amphibians	Hylidae	<i>Litoria inermis</i>	bumpy rocketfrog		C		4
animals	amphibians	Hylidae	<i>Litoria latopalmata</i>	broad palmed rocketfrog		C		44
animals	amphibians	Hylidae	<i>Litoria peronii</i>	emerald spotted treefrog		C		8
animals	amphibians	Hylidae	<i>Litoria rothii</i>	northern laughing treefrog		C		1
animals	amphibians	Hylidae	<i>Litoria rubella</i>	ruddy treefrog		C		21
animals	amphibians	Limnodynastidae	<i>Adelotus brevis</i>	tusked frog		V		2
animals	amphibians	Limnodynastidae	<i>Limnodynastes peronii</i>	striped marshfrog		C		8
animals	amphibians	Limnodynastidae	<i>Limnodynastes salmini</i>	salmon striped frog		C		26/2
animals	amphibians	Limnodynastidae	<i>Limnodynastes tasmaniensis</i>	spotted grassfrog		C		43
animals	amphibians	Limnodynastidae	<i>Limnodynastes terraereginae</i>	scarlet sided pobblebonk		C		18
animals	amphibians	Limnodynastidae	<i>Platyplectrum ornatum</i>	ornate burrowing frog		C		8
animals	amphibians	Myobatrachidae	<i>Crinia parinsignifera</i>	beeping froglet		C		12/1
animals	amphibians	Myobatrachidae	<i>Pseudophryne major</i>	great brown broodfrog		C		9/2
animals	amphibians	Myobatrachidae	<i>Pseudophryne sp.</i>			C		2
animals	amphibians	Myobatrachidae	<i>Uperoleia laevigata</i>	eastern gungan		C		3
animals	amphibians	Myobatrachidae	<i>Uperoleia rugosa</i>	chubby gungan		C		2
animals	birds	Acanthizidae	<i>Acanthiza apicalis</i>	inland thornbill		C		5
animals	birds	Acanthizidae	<i>Acanthiza chrysorrhoa</i>	yellow-rumped thornbill		C		4
animals	birds	Acanthizidae	<i>Acanthiza lineata</i>	striated thornbill		C		3
animals	birds	Acanthizidae	<i>Acanthiza nana</i>	yellow thornbill		C		4
animals	birds	Acanthizidae	<i>Acanthiza pusilla</i>	brown thornbill		C		3
animals	birds	Acanthizidae	<i>Acanthiza reguloides</i>	buff-rumped thornbill		C		17/1
animals	birds	Acanthizidae	<i>Gerygone fusca</i>	western gerygone		C		2
animals	birds	Acanthizidae	<i>Gerygone mouki</i>	brown gerygone		C		1
animals	birds	Acanthizidae	<i>Gerygone olivacea</i>	white-throated gerygone		C		27
animals	birds	Acanthizidae	<i>Pyrrholaemus sagittatus</i>	speckled warbler		C		3
animals	birds	Acanthizidae	<i>Sericornis frontalis</i>	white-browed scrubwren		C		8
animals	birds	Acanthizidae	<i>Smicromis brevirostris</i>	weebill		C		29
animals	birds	Accipitridae	<i>Accipiter cirrocephalus</i>	collared sparrowhawk		C		2
animals	birds	Accipitridae	<i>Accipiter fasciatus</i>	brown goshawk		C		5
animals	birds	Accipitridae	<i>Aquila audax</i>	wedge-tailed eagle		C		13
animals	birds	Accipitridae	<i>Aviceda subcristata</i>	Pacific baza		C		2
animals	birds	Accipitridae	<i>Circus assimilis</i>	spotted harrier		C		4
animals	birds	Accipitridae	<i>Elanus axillaris</i>	black-shouldered kite		C		14
animals	birds	Accipitridae	<i>Erythrotriorchis radiatus</i>	red goshawk		E	V	1
animals	birds	Accipitridae	<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle		C		1



Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Accipitridae	<i>Haliastur sphenurus</i>	whistling kite		C		29
animals	birds	Accipitridae	<i>Milvus migrans</i>	black kite		C		12
animals	birds	Acrocephalidae	<i>Acrocephalus australis</i>	Australian reed-warbler		C		3
animals	birds	Aegothelidae	<i>Aegotheles cristatus</i>	Australian owl-nightjar		C		33
animals	birds	Alaudidae	<i>Mirafra javanica</i>	Horsfield's bushlark		C		26
animals	birds	Alcedinidae	<i>Dacelo leachii</i>	blue-winged kookaburra		C		8
animals	birds	Alcedinidae	<i>Dacelo novaeguineae</i>	laughing kookaburra		C		63
animals	birds	Alcedinidae	<i>Todiramphus macleayii</i>	forest kingfisher		C		7
animals	birds	Alcedinidae	<i>Todiramphus pyrrhopygius</i>	red-backed kingfisher		C		2
animals	birds	Alcedinidae	<i>Todiramphus sanctus</i>	sacred kingfisher		C		28
animals	birds	Anatidae	<i>Anas gracilis</i>	grey teal		C		7
animals	birds	Anatidae	<i>Anas superciliosa</i>	Pacific black duck		C		28
animals	birds	Anatidae	<i>Aythya australis</i>	hardhead		C		7
animals	birds	Anatidae	<i>Chenonetta jubata</i>	Australian wood duck		C		5
animals	birds	Anatidae	<i>Cygnus atratus</i>	black swan		C		2
animals	birds	Anatidae	<i>Dendrocygna arcuata</i>	wandering whistling-duck		C		1
animals	birds	Anatidae	<i>Dendrocygna eytoni</i>	plumed whistling-duck		C		9
animals	birds	Anhingidae	<i>Anhinga novaehollandiae</i>	Australasian darter		C		7
animals	birds	Ardeidae	<i>Ardea alba modesta</i>	eastern great egret		C		9
animals	birds	Ardeidae	<i>Ardea intermedia</i>	intermediate egret		C		4
animals	birds	Ardeidae	<i>Ardea pacifica</i>	white-necked heron		C		5
animals	birds	Ardeidae	<i>Egretta novaehollandiae</i>	white-faced heron		C		12
animals	birds	Ardeidae	<i>Nycticorax caledonicus</i>	nankeen night-heron		C		5
animals	birds	Artamidae	<i>Artamus cinereus</i>	black-faced woodswallow		C		14
animals	birds	Artamidae	<i>Artamus leucorhynchus</i>	white-breasted woodswallow		C		6
animals	birds	Artamidae	<i>Artamus minor</i>	little woodswallow		C		3
animals	birds	Artamidae	<i>Artamus personatus</i>	masked woodswallow		C		3
animals	birds	Artamidae	<i>Artamus superciliosus</i>	white-browed woodswallow		C		3
animals	birds	Artamidae	<i>Cracticus nigrogularis</i>	piebald butcherbird		C		57
animals	birds	Artamidae	<i>Cracticus torquatus</i>	grey butcherbird		C		57
animals	birds	Artamidae	<i>Gymnorhina tibicen</i>	Australian magpie		C		76
animals	birds	Artamidae	<i>Strepera graculina</i>	piebald currawong		C		35/3
animals	birds	Artamidae	<i>Strepera graculina graculina</i>	piebald currawong (eastern Australia)		C		4
animals	birds	Burhinidae	<i>Burhinus grallarius</i>	bush stone-curlew		C		3
animals	birds	Cacatuidae	<i>Cacatua galerita</i>	sulphur-crested cockatoo		C		58
animals	birds	Cacatuidae	<i>Calyptorhynchus lathami</i>	glossy black-cockatoo		V		4
animals	birds	Cacatuidae	<i>Calyptorhynchus lathami erebus</i>	glossy black-cockatoo (northern)		V		1/1
animals	birds	Cacatuidae	<i>Eolophus roseicapilla</i>	galah		C		39
animals	birds	Cacatuidae	<i>Nymphicus hollandicus</i>	cockatiel		C		27
animals	birds	Cacatuidae	<i>Zanda funerea</i>	yellow-tailed black-cockatoo		C		4
animals	birds	Campephagidae	<i>Coracina maxima</i>	ground cuckoo-shrike		C		4
animals	birds	Campephagidae	<i>Coracina novaehollandiae</i>	black-faced cuckoo-shrike		C		46
animals	birds	Campephagidae	<i>Coracina papuensis</i>	white-bellied cuckoo-shrike		C		9
animals	birds	Campephagidae	<i>Edolisoma tenuirostre</i>	common cicadabird		C		12
animals	birds	Campephagidae	<i>Lalage tricolor</i>	white-winged triller		C		8
animals	birds	Casuariidae	<i>Dromaius novaehollandiae</i>	emu		C		13

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Charadriidae	<i>Elseyornis melanops</i>	black-fronted dotterel		C		3
animals	birds	Charadriidae	<i>Vanellus miles</i>	masked lapwing		C		9
animals	birds	Charadriidae	<i>Vanellus miles novaehollandiae</i>	masked lapwing (southern subspecies)		C		3
animals	birds	Charadriidae	<i>Vanellus tricolor</i>	banded lapwing		C		1
animals	birds	Cinclosomatidae	<i>Cinclosoma punctatum</i>	spotted quail-thrush		C		4
animals	birds	Cisticolidae	<i>Cisticola exilis</i>	golden-headed cisticola		C		28
animals	birds	Climacteridae	<i>Climacteris picumnus</i>	brown treecreeper		C		1
animals	birds	Climacteridae	<i>Cormobates leucophaea</i>	white-throated treecreeper		C		8
animals	birds	Climacteridae	<i>Cormobates leucophaea metastasis</i>	white-throated treecreeper (southern)		C		14/7
animals	birds	Columbidae	<i>Geopelia cuneata</i>	diamond dove		C		2
animals	birds	Columbidae	<i>Geopelia humeralis</i>	bar-shouldered dove		C		24
animals	birds	Columbidae	<i>Geopelia placida</i>	peaceful dove		C		34
animals	birds	Columbidae	<i>Geophaps scripta scripta</i>	squatter pigeon (southern subspecies)		V	V	1
animals	birds	Columbidae	<i>Ocyphaps lophotes</i>	crested pigeon		C		50
animals	birds	Columbidae	<i>Phaps chalcoptera</i>	common bronzewing		C		7
animals	birds	Coraciidae	<i>Eurystomus orientalis</i>	dollarbird		C		23
animals	birds	Corcoracidae	<i>Corcorax melanorhamphos</i>	white-winged chough		C		11
animals	birds	Corcoracidae	<i>Struthidea cinerea</i>	apostlebird		C		44
animals	birds	Corvidae	<i>Corvus bennetti</i>	little crow		C		1
animals	birds	Corvidae	<i>Corvus coronoides</i>	Australian raven		C		35
animals	birds	Corvidae	<i>Corvus orru</i>	Torresian crow		C		79
animals	birds	Corvidae	<i>Corvus sp.</i>			C		1
animals	birds	Cuculidae	<i>Cacomantis flabelliformis</i>	fan-tailed cuckoo		C		7
animals	birds	Cuculidae	<i>Cacomantis pallidus</i>	pallid cuckoo		C		7
animals	birds	Cuculidae	<i>Cacomantis variolosus</i>	brush cuckoo		C		8
animals	birds	Cuculidae	<i>Centropus phasianinus</i>	pheasant coucal		C		49
animals	birds	Cuculidae	<i>Chalcites basalis</i>	Horsfield's bronze-cuckoo		C		5
animals	birds	Cuculidae	<i>Chalcites lucidus</i>	shining bronze-cuckoo		C		4
animals	birds	Cuculidae	<i>Chalcites minutillus</i>	little bronze-cuckoo		C		2
animals	birds	Cuculidae	<i>Chalcites minutillus barnardi</i>	Eastern little bronze-cuckoo		C		4
animals	birds	Cuculidae	<i>Eudynamys orientalis</i>	eastern koel		C		12
animals	birds	Cuculidae	<i>Scythrops novaehollandiae</i>	channel-billed cuckoo		C		22
animals	birds	Dicaeidae	<i>Dicaeum hirundinaceum</i>	mistletoebird		C		41
animals	birds	Dicruridae	<i>Dicrurus bracteatus</i>	spangled drongo		C		3
animals	birds	Estrildidae	<i>Lonchura castaneothorax</i>	chestnut-breasted mannikin		C		7
animals	birds	Estrildidae	<i>Neochmia modesta</i>	plum-headed finch		C		2
animals	birds	Estrildidae	<i>Neochmia temporalis</i>	red-browed finch		C		3
animals	birds	Estrildidae	<i>Taeniopygia bichenovii</i>	double-barred finch		C		52
animals	birds	Estrildidae	<i>Taeniopygia guttata</i>	zebra finch		C		9
animals	birds	Eurostopodidae	<i>Eurostopodus argus</i>	spotted nightjar		C		1
animals	birds	Eurostopodidae	<i>Eurostopodus mystacalis</i>	white-throated nightjar		C		2
animals	birds	Falconidae	<i>Falco berigora</i>	brown falcon		C		19
animals	birds	Falconidae	<i>Falco cenchroides</i>	nankeen kestrel		C		28
animals	birds	Falconidae	<i>Falco longipennis</i>	Australian hobby		C		5
animals	birds	Falconidae	<i>Falco peregrinus macropus</i>	Australian peregrine falcon		C		1
animals	birds	Falconidae	<i>Falco subniger</i>	black falcon		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Falconidae	<i>Falcunculus frontatus</i>	crested shrike-tit		C		1
animals	birds	Glareolidae	<i>Stiltia isabella</i>	Australian pratincole		C		1
animals	birds	Gruidae	<i>Antigone rubicunda</i>	broilga		C		6
animals	birds	Hirundinidae	<i>Hirundo neoxena</i>	welcome swallow		C		7
animals	birds	Hirundinidae	<i>Petrochelidon ariel</i>	fairy martin		C		4
animals	birds	Hirundinidae	<i>Petrochelidon nigricans</i>	tree martin		C		12
animals	birds	Jacanidae	<i>Irediparra gallinacea</i>	comb-crested jacana		C		1
animals	birds	Laridae	<i>Chlidonias hybrida</i>	whiskered tern		C		4
animals	birds	Laridae	<i>Gelochelidon nilotica</i>	gull-billed tern		SL		4
animals	birds	Laridae	<i>Hydroprogne caspia</i>	Caspian tern		SL		6
animals	birds	Locustellidae	<i>Cincloramphus cruralis</i>	brown songlark		C		6
animals	birds	Locustellidae	<i>Cincloramphus mathewsi</i>	rufous songlark		C		1
animals	birds	Locustellidae	<i>Cincloramphus timoriensis</i>	tawny grassbird		C		13
animals	birds	Maluridae	<i>Malurus assimilis</i>	purple-backed fairy-wren		C		9
animals	birds	Maluridae	<i>Malurus cyaneus</i>	superb fairy-wren		C		10
animals	birds	Maluridae	<i>Malurus lamberti sensu lato</i>	variegated fairy-wren		C		4/1
animals	birds	Maluridae	<i>Malurus melanocephalus</i>	red-backed fairy-wren		C		70
animals	birds	Maluridae	<i>Malurus sp.</i>			C		1
animals	birds	Megapodiidae	<i>Alectura lathami</i>	Australian brush-turkey		C		1
animals	birds	Meliphagidae	<i>Acanthagenys rufogularis</i>	spiny-cheeked honeyeater		C		4
animals	birds	Meliphagidae	<i>Acanthorhynchus tenuirostris</i>	eastern spinebill		C		4/1
animals	birds	Meliphagidae	<i>Caligavis chrysops</i>	yellow-faced honeyeater		C		15/4
animals	birds	Meliphagidae	<i>Entomyzon cyanotis</i>	blue-faced honeyeater		C		30
animals	birds	Meliphagidae	<i>Gavicalis virescens</i>	singing honeyeater		C		17
animals	birds	Meliphagidae	<i>Lichenostomus melanops</i>	yellow-tufted honeyeater		C		3
animals	birds	Meliphagidae	<i>Lichmera indistincta</i>	brown honeyeater		C		8
animals	birds	Meliphagidae	<i>Manorina flavigula</i>	yellow-throated miner		C		50
animals	birds	Meliphagidae	<i>Manorina melanocephala</i>	noisy miner		C		40
animals	birds	Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater		C		5
animals	birds	Meliphagidae	<i>Melithreptus albogularis</i>	white-throated honeyeater		C		17
animals	birds	Meliphagidae	<i>Melithreptus brevirostris</i>	brown-headed honeyeater		C		3
animals	birds	Meliphagidae	<i>Melithreptus gularis</i>	black-chinned honeyeater		C		1
animals	birds	Meliphagidae	<i>Melithreptus gularis gularis</i>	black-chinned honeyeater (eastern)		C		1
animals	birds	Meliphagidae	<i>Melithreptus lunatus</i>	white-naped honeyeater		C		21/4
animals	birds	Meliphagidae	<i>Myzomela sanguinolenta</i>	scarlet honeyeater		C		1
animals	birds	Meliphagidae	<i>Nesoptilotis leucotis</i>	white-eared honeyeater		C		16
animals	birds	Meliphagidae	<i>Philemon citreogularis</i>	little friarbird		C		29
animals	birds	Meliphagidae	<i>Philemon corniculatus</i>	noisy friarbird		C		58/3
animals	birds	Meliphagidae	<i>Phylidonyris niger</i>	white-cheeked honeyeater		C		2
animals	birds	Meliphagidae	<i>Plectorhyncha lanceolata</i>	striped honeyeater		C		22
animals	birds	Meliphagidae	<i>Ptilotula fusca</i>	fuscous honeyeater		C		4
animals	birds	Meliphagidae	<i>Ptilotula penicillata</i>	white-plumed honeyeater		C		2
animals	birds	Meropidae	<i>Merops ornatus</i>	rainbow bee-eater		C		10
animals	birds	Monarchidae	<i>Grallina cyanoleuca</i>	magpie-lark		C		50
animals	birds	Monarchidae	<i>Myiagra alecto</i>	shining flycatcher		C		1
animals	birds	Monarchidae	<i>Myiagra inquieta</i>	restless flycatcher		C		4

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animals	birds	Monarchidae	<i>Myiagra rubecula</i>	leaden flycatcher		C		24
animals	birds	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian pipit		C		8
animals	birds	Neosittidae	<i>Daphoenositta chrysoptera</i>	varied sittella		C		5
animals	birds	Oriolidae	<i>Oriolus sagittatus</i>	olive-backed oriole		C		29
animals	birds	Oriolidae	<i>Sphecotheres vieilloti</i>	Australasian figbird		C		4
animals	birds	Otididae	<i>Ardeotis australis</i>	Australian bustard		C		23
animals	birds	Pachycephalidae	<i>Colluricincla harmonica</i>	grey shrike-thrush		C		24
animals	birds	Pachycephalidae	<i>Colluricincla megarhyncha</i>	little shrike-thrush		C		2
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis</i>	golden whistler		C		3/1
animals	birds	Pachycephalidae	<i>Pachycephala rufiventris</i>	rufous whistler		C		45
animals	birds	Pardalotidae	<i>Pardalotus punctatus</i>	spotted pardalote		C		8/2
animals	birds	Pardalotidae	<i>Pardalotus rubricatus</i>	red-browed pardalote		C		2
animals	birds	Pardalotidae	<i>Pardalotus striatus</i>	striated pardalote		C		63
animals	birds	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian pelican		C		5
animals	birds	Petroicidae	<i>Eopsaltria australis</i>	eastern yellow robin		C		15/4
animals	birds	Petroicidae	<i>Microeca fascinans</i>	jacky winter		C		10/2
animals	birds	Petroicidae	<i>Petroica goodenovii</i>	red-capped robin		C		2
animals	birds	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	little pied cormorant		C		7
animals	birds	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	great cormorant		C		1
animals	birds	Phalacrocoracidae	<i>Phalacrocorax sulcirostris</i>	little black cormorant		C		4
animals	birds	Phalacrocoracidae	<i>Phalacrocorax varius</i>	pied cormorant		C		1
animals	birds	Phasianidae	<i>Synoicus ypsilophorus</i>	brown quail		C		30
animals	birds	Podargidae	<i>Podargus strigoides</i>	tawny frogmouth		C		14
animals	birds	Podicipedidae	<i>Tachybaptus novaehollandiae</i>	Australasian grebe		C		9
animals	birds	Pomatostomidae	<i>Pomatostomus temporalis</i>	grey-crowned babbler		C		19
animals	birds	Psittaculidae	<i>Alisterus scapularis</i>	Australian king-parrot		C		7
animals	birds	Psittaculidae	<i>Aprosmictus erythropterus</i>	red-winged parrot		C		45
animals	birds	Psittaculidae	<i>Melopsittacus undulatus</i>	budgerigar		C		8
animals	birds	Psittaculidae	<i>Parvipsitta pusilla</i>	little lorikeet		C		9
animals	birds	Psittaculidae	<i>Platycercus adscitus</i>	pale-headed rosella		C		80/1
animals	birds	Psittaculidae	<i>Psephotus haematonotus</i>	red-rumped parrot		C		1
animals	birds	Psittaculidae	<i>Trichoglossus chlorolepidotus</i>	scaly-breasted lorikeet		C		9
animals	birds	Psittaculidae	<i>Trichoglossus moluccanus</i>	rainbow lorikeet		C		58/4
animals	birds	Ptilonorhynchidae	<i>Chlamydera maculata</i>	spotted bowerbird		C		17
animals	birds	Rallidae	<i>Gallinula tenebrosa</i>	dusky moorhen		C		1
animals	birds	Recurvirostridae	<i>Himantopus leucocephalus</i>	pied stilt		C		5
animals	birds	Rhipiduridae	<i>Rhipidura albiscapa</i>	grey fantail		C		26/1
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys</i>	willie wagtail		C		53
animals	birds	Rhipiduridae	<i>Rhipidura rufifrons</i>	rufous fantail		SL		1
animals	birds	Strigidae	<i>Ninox boobook</i>	southern boobook		C		17
animals	birds	Threskiornithidae	<i>Platalea flavipes</i>	yellow-billed spoonbill		C		3
animals	birds	Threskiornithidae	<i>Platalea regia</i>	royal spoonbill		C		2
animals	birds	Threskiornithidae	<i>Plegadis falcinellus</i>	glossy ibis		SL		1
animals	birds	Threskiornithidae	<i>Threskiornis molucca</i>	Australian white ibis		C		3
animals	birds	Threskiornithidae	<i>Threskiornis spinicollis</i>	straw-necked ibis		C		4
animals	birds	Turnicidae	<i>Turnix varius</i>	painted button-quail		C		1

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animals	birds	Tytonidae	<i>Tyto javanica</i>	eastern barn owl		C		9
animals	birds	Tytonidae	<i>Tyto longimembris</i>	eastern grass owl		C		1
animals	birds	Zosteropidae	<i>Zosterops lateralis</i>	silveryeye		C		14
animals	insects	Hesperiidae	<i>Badamia exclamationis</i>	narrow-winged awl				1
animals	insects	Hesperiidae	<i>Cephrenes augiades sperthias</i>	orange palm-dart				1
animals	insects	Hesperiidae	<i>Hesperilla furva</i>	grey sedge-skipper				2
animals	insects	Hesperiidae	<i>Hesperilla malindeva</i>	two-spotted sedge-skipper				1
animals	insects	Hesperiidae	<i>Hesperilla ornata ornata</i>	spotted sedge-skipper (southern subspecies)				1
animals	insects	Hesperiidae	<i>Mesodina halyzia</i>	eastern iris-skipper				1
animals	insects	Hesperiidae	<i>Ocybadistes hypomeloma hypomeloma</i>	white-margined grass-dart (eastern subspecies)				1
animals	insects	Hesperiidae	<i>Ocybadistes walkeri sothis</i>	green grass-dart				2
animals	insects	Hesperiidae	<i>Parnara bada</i>	grey swift				1
animals	insects	Hesperiidae	<i>Toxidia peron</i>	dingy grass-skipper				1
animals	insects	Hesperiidae	<i>Trapezites eliena</i>	orange ochre				1
animals	insects	Hesperiidae	<i>Trapezites maheta</i>	northern silver ochre				1
animals	insects	Hesperiidae	<i>Trapezites phigalia</i>	heath ochre				1
animals	insects	Hesperiidae	<i>Trapezites taori</i>	sandstone ochre				1
animals	insects	Libellulidae	<i>Orthetrum caledonicum</i>	blue skimmer				1
animals	insects	Lycaenidae	<i>Candalides cyprotus pallescens</i>	copper pencilled-blue				1
animals	insects	Lycaenidae	<i>Candalides geminus</i>	twin dusky-blue				1
animals	insects	Lycaenidae	<i>Euchrysops cnejus cnidus</i>	spotted pea-blue				1
animals	insects	Lycaenidae	<i>Lampides boeticus</i>	long-tailed pea-blue				1
animals	insects	Lycaenidae	<i>Nacaduba biocellata biocellata</i>	two-spotted line-blue				2
animals	insects	Lycaenidae	<i>Neolucia agricola agricola</i>	fringed heath-blue				1
animals	insects	Lycaenidae	<i>Nesolycaena albosericea</i>	satin opal				1
animals	insects	Lycaenidae	<i>Theclinesthes miskini miskini</i>	wattle blue (Australian subspecies)				1
animals	insects	Lycaenidae	<i>Zizeeria karsandra</i>	spotted grass-blue				1
animals	insects	Lycaenidae	<i>Zizina otis labradus</i>	common grass-blue (Australian subspecies)				2
animals	insects	Nymphalidae	<i>Acraea andromacha andromacha</i>	glasswing				2
animals	insects	Nymphalidae	<i>Charaxes sempronius sempronius</i>	tailed emperor				1
animals	insects	Nymphalidae	<i>Danaus petilia</i>	lesser wanderer				4
animals	insects	Nymphalidae	<i>Euploea corinna</i>	common crow				17
animals	insects	Nymphalidae	<i>Hypocysta adiante adiante</i>	orange ringlet				3
animals	insects	Nymphalidae	<i>Hypocysta irius</i>	orange-streaked ringlet				1
animals	insects	Nymphalidae	<i>Hypocysta metirius</i>	brown ringlet				1
animals	insects	Nymphalidae	<i>Hypocysta pseudirius</i>	grey ringlet				2
animals	insects	Nymphalidae	<i>Hypocysta sp.</i>					1
animals	insects	Nymphalidae	<i>Junonia orithya albicincta</i>	blue argus				2
animals	insects	Nymphalidae	<i>Junonia villida villida</i>	meadow argus				5
animals	insects	Nymphalidae	<i>Melanitis leda bankia</i>	evening brown				4
animals	insects	Nymphalidae	<i>Tirumala hamata hamata</i>	blue tiger				2
animals	insects	Nymphalidae	<i>Vanessa kershawi</i>	Australian painted lady				1
animals	insects	Nymphalidae	<i>Ypthima arctous arctous</i>	dusky knight				1

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animals	insects	Papilionidae	<i>Cressida cressida cressida</i>	clearwing swallowtail				2
animals	insects	Papilionidae	<i>Graphium eurypylus lycaon</i>	pale triangle				1
animals	insects	Papilionidae	<i>Papilio aegeus aegeus</i>	orchard swallowtail (Australian subspecies)				4
animals	insects	Papilionidae	<i>Papilio anactus</i>	dainty swallowtail				1
animals	insects	Papilionidae	<i>Papilio demoleus sthenelus</i>	chequered swallowtail				1
animals	insects	Pieridae	<i>Appias paulina ega</i>	yellow albatross				1
animals	insects	Pieridae	<i>Belenois java teutonia</i>	capewhite				4
animals	insects	Pieridae	<i>Catopsilia gorgophone gorgophone</i>	yellow migrant				2
animals	insects	Pieridae	<i>Catopsilia pomona</i>	lemon migrant				3
animals	insects	Pieridae	<i>Cepora perimale scyllara</i>	capewhite gull (Australian subspecies)				1
animals	insects	Pieridae	<i>Delias argenthona argenthona</i>	scarlet jezebel				2
animals	insects	Pieridae	<i>Elodina angulipennis</i>	southern pearl-white				2
animals	insects	Pieridae	<i>Elodina parthia</i>	striated pearl-white				1
animals	insects	Pieridae	<i>Eurema hecabe</i>	large grass-yellow				1
animals	insects	Pieridae	<i>Eurema herla</i>	pink grass-yellow				1
animals	insects	Pieridae	<i>Eurema smilax</i>	small grass-yellow				1
animals	malacostracans	Parastacidae	<i>Cherax quadricarinatus</i>	redclaw				1
animals	mammals	Bovidae	<i>Bos sp.</i>	cattle	Y			4
animals	mammals	Bovidae	<i>Bos taurus</i>	European cattle	Y			3
animals	mammals	Canidae	<i>Canis familiaris</i>	dog	Y			16
animals	mammals	Canidae	<i>Canis familiaris (dingo)</i>	dingo				3
animals	mammals	Canidae	<i>Vulpes vulpes</i>	red fox	Y			2
animals	mammals	Dasyuridae	<i>Antechinus flavipes flavipes</i>	yellow-footed antechinus (south-east Queensland)			C	1
animals	mammals	Dasyuridae	<i>Planigale ingrami</i>	long-tailed planigale			C	3/1
animals	mammals	Dasyuridae	<i>Planigale tenuirostris</i>	narrow-nosed planigale			C	13
animals	mammals	Dasyuridae	<i>Sminthopsis macroura</i>	stripe-faced dunnart			C	15
animals	mammals	Dasyuridae	<i>Sminthopsis murina</i>	common dunnart			C	1
animals	mammals	Emballonuridae	<i>Saccolaimus flaviventris</i>	yellow-bellied sheath-tail bat			C	7
animals	mammals	Equidae	<i>Equus caballus</i>	horse	Y			1
animals	mammals	Felidae	<i>Felis catus</i>	cat	Y			13
animals	mammals	Leporidae	<i>Lepus europaeus</i>	European brown hare	Y			3
animals	mammals	Leporidae	<i>Oryctolagus cuniculus</i>	rabbit	Y			11
animals	mammals	Macropodidae	<i>Macropus giganteus</i>	eastern grey kangaroo			C	26
animals	mammals	Macropodidae	<i>Notamacropus dorsalis</i>	black-striped wallaby			C	1
animals	mammals	Macropodidae	<i>Notamacropus parryi</i>	whiptail wallaby			C	5
animals	mammals	Macropodidae	<i>Notamacropus rufogriseus</i>	red-necked wallaby			C	1
animals	mammals	Macropodidae	<i>Onychogalea frenata</i>	bridled nailtail wallaby			E	1
animals	mammals	Macropodidae	<i>Osphranter robustus</i>	common wallaroo			C	4
animals	mammals	Macropodidae	<i>Petrogale herberti</i>	Herbert's rock-wallaby			C	3/3
animals	mammals	Macropodidae	<i>Petrogale inornata</i>	unadorned rock-wallaby			C	4
animals	mammals	Macropodidae	<i>Petrogale sp.</i>				C	1
animals	mammals	Macropodidae	<i>Wallabia bicolor</i>	swamp wallaby			C	6
animals	mammals	Miniopteridae	<i>Miniopterus schreibersii oceanensis</i>	eastern bent-wing bat			C	3
animals	mammals	Molossidae	<i>Chaerephon jobensis</i>	northern freetail bat			C	2

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animals	mammals	Molossidae	<i>Mormopterus lumsdenae</i>	northern free-tailed bat		C		2
animals	mammals	Molossidae	<i>Mormopterus petersi</i>	inland free-tailed bat		C		1
animals	mammals	Muridae	<i>Hydromys chrysogaster</i>	water rat		C		6
animals	mammals	Muridae	<i>Leggadina forresti</i>	Forrest's mouse		C		18/2
animals	mammals	Muridae	<i>Melomys cervinipes</i>	fawn-footed melomys		C		2
animals	mammals	Muridae	<i>Melomys sp.</i>			C		3
animals	mammals	Muridae	<i>Mus musculus</i>	house mouse	Y			83/1
animals	mammals	Muridae	<i>Pseudomys delicatulus</i>	delicate mouse		C		1
animals	mammals	Muridae	<i>Pseudomys gracilicaudatus</i>	eastern chestnut mouse		C		8
animals	mammals	Muridae	<i>Pseudomys sp.</i>			C		1/1
animals	mammals	Muridae	<i>Rattus sordidus</i>	canefield rat		C		15/7
animals	mammals	Muridae	<i>Rattus sp.</i>			C		1
animals	mammals	Muridae	<i>Rattus tunneyi</i>	pale field-rat		C		1
animals	mammals	Peramelidae	<i>Isoodon macrourus</i>	northern brown bandicoot		C		7
animals	mammals	Peramelidae	<i>Perameles nasuta</i>	long-nosed bandicoot		C		2
animals	mammals	Petauridae	<i>Petaurus australis australis</i>	yellow-bellied glider (southern subspecies)		V	V	3
animals	mammals	Petauridae	<i>Petaurus norfolcensis</i>	squirrel glider		C		5
animals	mammals	Petauridae	<i>Petaurus notatus</i>	Kreff's glider		C		10
animals	mammals	Phalangeridae	<i>Trichosurus vulpecula</i>	common brushtail possum		C		12
animals	mammals	Phascolarctidae	<i>Phascolarctos cinereus</i>	koala		E	E	7
animals	mammals	Potoroidae	<i>Aepyprymnus rufescens</i>	rufous bettong		C		4
animals	mammals	Pseudocheiridae	<i>Petauroides armillatus</i>	central greater glider		E	E	23
animals	mammals	Pteropodidae	<i>Pteropus scapulatus</i>	little red flying-fox		C		12
animals	mammals	Rhinolophidae	<i>Rhinolophus megaphyllus</i>	eastern horseshoe-bat		C		1
animals	mammals	Suidae	<i>Sus scrofa</i>	pig	Y			12
animals	mammals	Tachyglossidae	<i>Tachyglossus aculeatus</i>	short-beaked echidna		SL		17
animals	mammals	Vespertilionidae	<i>Chalinolobus dwyeri</i>	large-eared pied bat		V	V	1
animals	mammals	Vespertilionidae	<i>Chalinolobus gouldii</i>	Gould's wattled bat		C		5
animals	mammals	Vespertilionidae	<i>Chalinolobus morio</i>	chocolate wattled bat		C		5
animals	mammals	Vespertilionidae	<i>Chalinolobus picatus</i>	little pied bat		C		11
animals	mammals	Vespertilionidae	<i>Nyctophilus gouldi</i>	Gould's long-eared bat		C		5
animals	mammals	Vespertilionidae	<i>Scotorepens balstoni</i>	inland broad-nosed bat		C		4
animals	mammals	Vespertilionidae	<i>Scotorepens greyii</i>	little broad-nosed bat		C		4
animals	mammals	Vespertilionidae	<i>Scotorepens sp.</i>			C		1
animals	mammals	Vespertilionidae	<i>Vespadelus baverstocki</i>	inland forest bat		C		1
animals	mammals	Vespertilionidae	<i>Vespadelus pumilus</i>	eastern forest bat		C		1
animals	mammals	Vespertilionidae	<i>Vespadelus sp.</i>			C		1
animals	mammals	Vespertilionidae	<i>Vespadelus vulturinus</i>	little forest bat		C		5
animals	ray-finned fishes	Ambassidae	<i>Ambassis agassizii</i>	Agassiz's glassfish				13
animals	ray-finned fishes	Atherinidae	<i>Craterocephalus stercusmuscarum</i>	flyspecked hardyhead				2
animals	ray-finned fishes	Clupeidae	<i>Nematalosa erebi</i>	bony bream				69
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris compressa</i>	empire gudgeon				1
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris klunzingeri</i>	western carp gudgeon				5
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris sp.</i>					10
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris species 1</i>	Midgley's carp gudgeon				2

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animals	ray-finned fishes	Eleotridae	<i>Mogurnda adspersa</i>	southern purplespotted gudgeon				8
animals	ray-finned fishes	Eleotridae	<i>Oxyeleotris lineolata</i>	sleepy cod				2
animals	ray-finned fishes	Melanotaeniidae	<i>Melanotaenia splendida splendida</i>	eastern rainbowfish				13
animals	ray-finned fishes	Percichthyidae	<i>Macquaria ambigua</i>	golden perch				1
animals	ray-finned fishes	Plotosidae	<i>Neosilurus hyrtlil</i>	Hyrtl's catfish				7
animals	ray-finned fishes	Plotosidae	<i>Tandanus tandanus</i>	freshwater catfish				5
animals	ray-finned fishes	Poeciliidae	<i>Gambusia holbrooki</i>	mosquitofish	Y			2
animals	ray-finned fishes	Terapontidae	<i>Leiopotherapon unicolor</i>	spangled perch				14
animals	ray-finned fishes	Terapontidae	<i>Scortum hillii</i>	leathery grunter				1
animals	reptiles	Agamidae	<i>Amphibolurus burnsi</i>	Burns's dragon			C	5
animals	reptiles	Agamidae	<i>Amphibolurus sp.</i>				C	1
animals	reptiles	Agamidae	<i>Diporiphora australis</i>	tommy roundhead			C	2
animals	reptiles	Agamidae	<i>Diporiphora lalliae</i>	Lally's two-line dragon			C	1
animals	reptiles	Agamidae	<i>Diporiphora nobbi</i>	nobbi			C	6
animals	reptiles	Agamidae	<i>Intellagama lesueurii</i>	eastern water dragon			C	3
animals	reptiles	Agamidae	<i>Pogona barbata</i>	bearded dragon			C	4
animals	reptiles	Agamidae	<i>Tympanocryptis lineata</i>	lined earless dragon			C	1/1
animals	reptiles	Agamidae	<i>Tympanocryptis sp.</i>				C	31/21
animals	reptiles	Boidae	<i>Antaresia maculosa</i>	spotted python			C	4
animals	reptiles	Boidae	<i>Aspidites melanocephalus</i>	black-headed python			C	3
animals	reptiles	Boidae	<i>Morelia sp.</i>				C	1
animals	reptiles	Boidae	<i>Morelia spilota</i>	carpet python			C	2
animals	reptiles	Carphodactylidae	<i>Nephrurus asper</i>	spiny knob-tailed gecko			C	6
animals	reptiles	Carphodactylidae	<i>Saltuarius salebrosus</i>	rough-throated leaf-tailed gecko			C	7
animals	reptiles	Carphodactylidae	<i>Underwoodisaurus millii</i>	thick-tailed gecko			C	1
animals	reptiles	Chelidae	<i>Chelodina longicollis</i>	eastern snake-necked turtle			C	1
animals	reptiles	Chelidae	<i>Emydura macquarii macquarii</i>	Murray turtle			C	1
animals	reptiles	Chelidae	<i>Wollumbinia latisternum</i>	saw-shelled turtle			C	1
animals	reptiles	Colubridae	<i>Dendrelaphis punctulatus</i>	green tree snake			C	2
animals	reptiles	Colubridae	<i>Tropidonophis mairii</i>	freshwater snake			C	2
animals	reptiles	Diplodactylidae	<i>Diplodactylus platyurus</i>	eastern fat-tailed gecko			C	4/1
animals	reptiles	Diplodactylidae	<i>Diplodactylus vittatus</i>	wood gecko			C	5
animals	reptiles	Diplodactylidae	<i>Lucasium steindachneri</i>	Steindachner's gecko			C	2/1
animals	reptiles	Diplodactylidae	<i>Nebulifera robusta</i>	robust velvet gecko			C	5/2
animals	reptiles	Diplodactylidae	<i>Oedura monilis sensu lato</i>	ocellated velvet gecko			C	5/1
animals	reptiles	Diplodactylidae	<i>Oedura tryoni</i>	southern spotted velvet gecko			C	5/1
animals	reptiles	Diplodactylidae	<i>Strophurus williamsi</i>	soft-spined gecko			C	1
animals	reptiles	Elapidae	<i>Cryptophis boschmai</i>	Carpentaria whip snake			C	1/1
animals	reptiles	Elapidae	<i>Cryptophis nigrescens</i>	eastern small-eyed snake			C	1
animals	reptiles	Elapidae	<i>Furina diadema</i>	red-naped snake			C	1
animals	reptiles	Elapidae	<i>Hemiaspis damelii</i>	grey snake		E	E	1
animals	reptiles	Elapidae	<i>Hoplocephalus bitorquatus</i>	pale-headed snake			C	1
animals	reptiles	Elapidae	<i>Pseudonaja nuchalis sensu lato</i>	western brown snake			C	1
animals	reptiles	Elapidae	<i>Pseudonaja textilis</i>	eastern brown snake			C	9/1
animals	reptiles	Elapidae	<i>Suta suta</i>	myall snake			C	1
animals	reptiles	Gekkonidae	<i>Gehyra dubia</i>	dubious dtella			C	28/1



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animals	reptiles	Gekkonidae	<i>Hemidactylus frenatus</i>	house gecko	Y			1
animals	reptiles	Gekkonidae	<i>Heteronotia binoei</i>	Bynoe's gecko		C		30/1
animals	reptiles	Pygopodidae	<i>Delma tincta</i>	excitable delma		C		2
animals	reptiles	Pygopodidae	<i>Lialis burtonis</i>	Burton's legless lizard		C		1
animals	reptiles	Scincidae	<i>Anomalopus verreauxii</i>	three-clawed worm-skink		C		2
animals	reptiles	Scincidae	<i>Carlia munda</i>	shaded-litter rainbow-skink		C		1/1
animals	reptiles	Scincidae	<i>Carlia pectoralis</i>	open-litter rainbow skink		C		4
animals	reptiles	Scincidae	<i>Carlia pectoralis sensu lato</i>			C		26
animals	reptiles	Scincidae	<i>Carlia rubigo</i>	orange-flanked rainbow skink		C		1
animals	reptiles	Scincidae	<i>Carlia schmeltzii</i>	robust rainbow-skink		C		4/2
animals	reptiles	Scincidae	<i>Carlia vivax</i>	tussock rainbow-skink		C		9
animals	reptiles	Scincidae	<i>Concinnia sokosoma</i>	stout bar-sided skink		C		2/1
animals	reptiles	Scincidae	<i>Concinnia tenuis</i>	bar-sided skink		C		1/1
animals	reptiles	Scincidae	<i>Cryptoblepharus australis</i>	inland snake-eyed skink		C		5
animals	reptiles	Scincidae	<i>Cryptoblepharus plagiocephalus sensu lato</i>			C		1
animals	reptiles	Scincidae	<i>Cryptoblepharus pulcher pulcher</i>	elegant snake-eyed skink		C		17
animals	reptiles	Scincidae	<i>Cryptoblepharus sp.</i>			C		1
animals	reptiles	Scincidae	<i>Cryptoblepharus virgatus sensu lato</i>			C		8
animals	reptiles	Scincidae	<i>Ctenotus sp.</i>			C		1
animals	reptiles	Scincidae	<i>Ctenotus spaldingi</i>	straight-browed ctenotus		C		13
animals	reptiles	Scincidae	<i>Ctenotus taeniolatus</i>	copper-tailed skink		C		20/1
animals	reptiles	Scincidae	<i>Eulamprus quoyii</i>	eastern water skink		C		2
animals	reptiles	Scincidae	<i>Eulamprus sp.</i>			C		2/1
animals	reptiles	Scincidae	<i>Glaphyromorphus punctulatus</i>	fine-spotted mulch-skink		C		3
animals	reptiles	Scincidae	<i>Lampropholis delicata</i>	dark-flecked garden sunskink		C		2/1
animals	reptiles	Scincidae	<i>Lerista fragilis</i>	eastern mulch slider		C		12
animals	reptiles	Scincidae	<i>Lerista punctatovittata</i>	eastern robust slider		C		2
animals	reptiles	Scincidae	<i>Lygisaurus foliorum</i>	tree-base litter-skink		C		15/1
animals	reptiles	Scincidae	<i>Menetia greyii</i>	common dwarf skink		C		14
animals	reptiles	Scincidae	<i>Morethia boulengeri</i>	south-eastern morethia skink		C		7
animals	reptiles	Scincidae	<i>Morethia taeniopleura</i>	fire-tailed skink		C		12/3
animals	reptiles	Scincidae	<i>Praeteropus brevicollis</i>	short-necked worm-skink		C		2
animals	reptiles	Scincidae	<i>Tiliqua scincoides scincoides</i>	eastern bluetongue		C		1
animals	reptiles	Typhlopidae	<i>Anilius nigrescens</i>	blackish blind snake		C		1/1
animals	reptiles	Typhlopidae	<i>Anilius proximus</i>	proximus blind snake		C		1/1
animals	reptiles	Varanidae	<i>Varanus tristis</i>	black-tailed monitor		C		1
animals	reptiles	Varanidae	<i>Varanus varius</i>	lace monitor		C		1
animals	uncertain	Indeterminate	<i>Indeterminate</i>	Unknown or Code Pending				11
fungi	Agaricomycetes	Cortinariaceae	<i>Cortinarius</i>					1/1
fungi	Agaricomycetes	Gomphaceae	<i>Ramaria</i>			C		2/2
fungi	Agaricomycetes	Gomphaceae	<i>Ramaria capitata</i>			C		1/1
fungi	Agaricomycetes	Physalacriaceae	<i>Xerula</i>					1/1
fungi	Agaricomycetes	Polyporaceae	<i>Polyporus</i>					1/1
fungi	Agaricomycetes	Polyporaceae	<i>Pycnoporus coccineus</i>			C		1/1
fungi	Agaricomycetes	Polyporaceae	<i>Trichaptum byssogenum</i>			C		1/1
fungi	Agaricomycetes	Stereaceae	<i>Stereum</i>					1/1

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fungi	Agaricomycetes	Stereaceae	<i>Stereum hirsutum</i>			C		1/1
fungi	lecanoromycetes	Cladoniaceae	<i>Cladonia</i>					2/2
fungi	lecanoromycetes	Cladoniaceae	<i>Cladonia ochrochlora</i>			C		1/1
fungi	lecanoromycetes	Cladoniaceae	<i>Cladonia rigida var. rigida</i>			C		1/1
fungi	lecanoromycetes	Collemaataceae	<i>Collema</i>					1/1
fungi	lecanoromycetes	Lecanoraceae	<i>Lecidella</i>					1/1
fungi	lecanoromycetes	Leprocaulaceae	<i>Leprocaulon microscopicum</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Austroparmelina conlabrosa</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Hypotrachyna immaculata</i>			C		2/2
fungi	lecanoromycetes	Parmeliaceae	<i>Notoparmelia erumpens</i>			C		2/2
fungi	lecanoromycetes	Parmeliaceae	<i>Notoparmelia signifera</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Pannoparmelia wilsonii</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Parmotrema cooperi</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Parmotrema eurysacum</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Parmotrema lobulascens</i>			C		3/3
fungi	lecanoromycetes	Parmeliaceae	<i>Parmotrema subcaperatum</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Parmotrema tinctorum</i>			C		2/2
fungi	lecanoromycetes	Parmeliaceae	<i>Punctelia pseudocoralloidea</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Punctelia subflava</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Relicina limbata</i>			C		3/3
fungi	lecanoromycetes	Parmeliaceae	<i>Relicina sydneyensis</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Usnea baileyi</i>			C		6/6
fungi	lecanoromycetes	Parmeliaceae	<i>Usnea rubicunda</i>			C		3/3
fungi	lecanoromycetes	Parmeliaceae	<i>Usnea scabrada subsp. elegans</i>			C		5/5
fungi	lecanoromycetes	Parmeliaceae	<i>Usnea trichodeoides</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia amplexula</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia antleriformis</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia australasica</i>			C		1/1
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia isidiigera</i>			C		2/2
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia neoquintaria</i>			C		3/3
fungi	lecanoromycetes	Parmeliaceae	<i>Xanthoparmelia tasmanica</i>			C		1/1
fungi	lecanoromycetes	Pertusariaceae	<i>Pertusaria</i>					1/1
fungi	lecanoromycetes	Physciaceae	<i>Heterodermia obscurata</i>			C		1/1
fungi	lecanoromycetes	Physciaceae	<i>Rinodina williamsii</i>			C		1/1
fungi	lecanoromycetes	Psoraceae	<i>Protoblastenia</i>					2/2
fungi	lecanoromycetes	Stereocaulaceae	<i>Lepraria jackii</i>			C		1/1
plants	Ulvophyceae	Trentepohliaceae	<i>Trentepohlia bosseae var. samoensis</i>			C		1/1
plants	green algae	Uronemataceae	<i>Uronema confervicola</i>			C		1/1
plants	land plants	Acanthaceae	<i>Brunoniella australis</i>	blue trumpet		C		5
plants	land plants	Acanthaceae	<i>Dipteracanthus australasicus</i>			C		2
plants	land plants	Acanthaceae	<i>Dipteracanthus australasicus subsp. corynothecus</i>			C		2
plants	land plants	Acanthaceae	<i>Pseuderanthemum variabile</i>	pastel flower		C		7/4
plants	land plants	Acanthaceae	<i>Rostellularia adscendens</i>			C		9/2
plants	land plants	Agavaceae	<i>Agave angustifolia</i>		Y			1/1
plants	land plants	Aizoaceae	<i>Trianthema portulacastrum</i>	black pigweed	Y			5
plants	land plants	Aizoaceae	<i>Trianthema triquetra</i>	red spinach		C		3

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plants	land plants	Aizoaceae	<i>Zaleya galericulata</i>			C		2/2
plants	land plants	Aizoaceae	<i>Zaleya galericulata</i> subsp. <i>galericulata</i>			C		2/2
plants	land plants	Alismataceae	<i>Caldesia oligococca</i>			SL		1/1
plants	land plants	Amaranthaceae	<i>Achyranthes aspera</i>			C		10/4
plants	land plants	Amaranthaceae	<i>Alternanthera denticulata</i>	lesser joyweed		C		8/2
plants	land plants	Amaranthaceae	<i>Alternanthera denticulata</i> var. <i>denticulata</i>			C		1/1
plants	land plants	Amaranthaceae	<i>Alternanthera denticulata</i> var. <i>micrantha</i>			C		2/2
plants	land plants	Amaranthaceae	<i>Alternanthera nana</i>	hairy joyweed		C		7/3
plants	land plants	Amaranthaceae	<i>Alternanthera pungens</i>	khaki weed	Y			1/1
plants	land plants	Amaranthaceae	<i>Amaranthus mitchellii</i>	Boggabri weed		C		1/1
plants	land plants	Amaranthaceae	<i>Amaranthus viridis</i>	green amaranth	Y			1
plants	land plants	Amaranthaceae	<i>Gomphrena celosioides</i>	gomphrena weed	Y			5/3
plants	land plants	Amaranthaceae	<i>Nyssanthes erecta</i>			C		7/6
plants	land plants	Amaranthaceae	<i>Ptilotus macrocephalus</i>	green pussytails		C		1
plants	land plants	Amaranthaceae	<i>Ptilotus polystachyus</i>			C		2/2
plants	land plants	Amaranthaceae	<i>Ptilotus psilorhachis</i>			C		2/2
plants	land plants	Amaranthaceae	<i>Ptilotus semilanatus</i>			C		1/1
plants	land plants	Amaryllidaceae	<i>Crinum</i>					3
plants	land plants	Amaryllidaceae	<i>Crinum flaccidum</i>	Murray lily			SL	3/1
plants	land plants	Annonaceae	<i>Melodorum leichhardtii</i>			C		1/1
plants	land plants	Apiaceae	<i>Centella asiatica</i>			C		1/1
plants	land plants	Apiaceae	<i>CyclospERMUM leptophyllum</i>		Y			2/1
plants	land plants	Apiaceae	<i>Platysace ericoides</i>	heath platysace		C		3/2
plants	land plants	Apocynaceae	<i>Alstonia constricta</i>	bitterbark		C		11/1
plants	land plants	Apocynaceae	<i>Asclepias curassavica</i>	red-head cottonbush	Y			1/1
plants	land plants	Apocynaceae	<i>Carissa ovata</i>	currantbush		C		17/1
plants	land plants	Apocynaceae	<i>Cerbera dumicola</i>			NT		4/4
plants	land plants	Apocynaceae	<i>Cryptostegia grandiflora</i>	rubber vine	Y			1/1
plants	land plants	Apocynaceae	<i>Cynanchum viminale</i> subsp. <i>brunonianum</i>			C		2/2
plants	land plants	Apocynaceae	<i>Hoya australis</i> subsp. <i>australis</i>			C		5/5
plants	land plants	Apocynaceae	<i>Leichhardtia brevifolia</i>			V	V	3/3
plants	land plants	Apocynaceae	<i>Leichhardtia microlepis</i>			C		4/2
plants	land plants	Apocynaceae	<i>Leichhardtia viridiflora</i>			C		1
plants	land plants	Apocynaceae	<i>Leichhardtia viridiflora</i> subsp. <i>viridiflora</i>			C		3/2
plants	land plants	Apocynaceae	<i>Parsonsia</i>					1
plants	land plants	Apocynaceae	<i>Parsonsia lanceolata</i>	northern silkpod		C		2
plants	land plants	Apocynaceae	<i>Parsonsia straminea</i>	monkey rope		C		1/1
plants	land plants	Apocynaceae	<i>Secamone elliptica</i>			C		1
plants	land plants	Apocynaceae	<i>Vincetoxicum erectum</i>			C		1/1
plants	land plants	Aponogetonaceae	<i>Aponogeton queenslandicus</i>			SL		1/1
plants	land plants	Araliaceae	<i>Astrotricha cordata</i>			C		4
plants	land plants	Araliaceae	<i>Polyscias elegans</i>	celery wood		C		1/1
plants	land plants	Arecaceae	<i>Livistona</i>					2
plants	land plants	Arecaceae	<i>Livistona fulva</i>			V		2/1
plants	land plants	Aristolochiaceae	<i>Aristolochia meridionalis</i> subsp. <i>centralis</i>			C		3/3
plants	land plants	Asphodelaceae	<i>Bulbine fraseri</i>			C		1/1

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plants	land plants	Asteraceae	<i>Acmella grandiflora</i>			C		1
plants	land plants	Asteraceae	<i>Acmella grandiflora</i> var. <i>brachyglossa</i>			C		4/3
plants	land plants	Asteraceae	<i>Apowollastonia spilanthoides</i>			C		2/1
plants	land plants	Asteraceae	<i>Bidens bipinnata</i>	bipinnate beggar's ticks	Y			2/1
plants	land plants	Asteraceae	<i>Bidens pilosa</i>		Y			4
plants	land plants	Asteraceae	<i>Brachyscome</i>					1/1
plants	land plants	Asteraceae	<i>Brachyscome basaltica</i>			C		1/1
plants	land plants	Asteraceae	<i>Brachyscome microcarpa</i> subsp. <i>microcarpa</i>			C		1/1
plants	land plants	Asteraceae	<i>Brachyscome whitei</i> subsp. <i>lophoptera</i>			C		1/1
plants	land plants	Asteraceae	<i>Calotis</i>					2
plants	land plants	Asteraceae	<i>Calotis cuneata</i>			C		8/5
plants	land plants	Asteraceae	<i>Calotis cuneifolia</i>	burr daisy		C		2/2
plants	land plants	Asteraceae	<i>Calotis dentex</i>	white burr daisy		C		5/4
plants	land plants	Asteraceae	<i>Calotis lappulacea</i>	yellow burr daisy		C		1
plants	land plants	Asteraceae	<i>Calyptocarpus vialis</i>	creeping cinderella weed	Y			1
plants	land plants	Asteraceae	<i>Camptacra barbata</i>			C		1/1
plants	land plants	Asteraceae	<i>Camptacra robusta</i>			C		2/2
plants	land plants	Asteraceae	<i>Cassinia</i>					1
plants	land plants	Asteraceae	<i>Centipeda minima</i>			C		1
plants	land plants	Asteraceae	<i>Centipeda minima</i> subsp. <i>minima</i>			C		2/2
plants	land plants	Asteraceae	<i>Chrysocephalum apiculatum</i>	yellow buttons		C		3/2
plants	land plants	Asteraceae	<i>Cirsium vulgare</i>	spear thistle	Y			2
plants	land plants	Asteraceae	<i>Coronidium cymosum</i>			C		3/3
plants	land plants	Asteraceae	<i>Coronidium glutinosum</i>			C		2/1
plants	land plants	Asteraceae	<i>Cyanthillium cinereum</i>			C		11/6
plants	land plants	Asteraceae	<i>Eclipta platyglossa</i> subsp. <i>platyglossa</i>			C		1/1
plants	land plants	Asteraceae	<i>Emilia sonchifolia</i>		Y			1
plants	land plants	Asteraceae	<i>Erigeron bonariensis</i>		Y			2/1
plants	land plants	Asteraceae	<i>Euchiton sphaericus</i>			C		5/4
plants	land plants	Asteraceae	<i>Glossocardia bidens</i>	native cobbler's pegs		C		1/1
plants	land plants	Asteraceae	<i>Gnaphalium</i>					1
plants	land plants	Asteraceae	<i>Gynura drymophila</i>			C		1
plants	land plants	Asteraceae	<i>Gynura drymophila</i> var. <i>drymophila</i>			C		1/1
plants	land plants	Asteraceae	<i>Helianthus annuus</i>		Y			1/1
plants	land plants	Asteraceae	<i>Hemistephtia lyrata</i>			C		3/2
plants	land plants	Asteraceae	<i>Lactuca serriola</i> forma <i>serriola</i>		Y			2/2
plants	land plants	Asteraceae	<i>Lagenophora queenslandica</i>			C		1/1
plants	land plants	Asteraceae	<i>Minuria leptophylla</i>			C		1/1
plants	land plants	Asteraceae	<i>Olearia xerophila</i>			C		1/1
plants	land plants	Asteraceae	<i>Parthenium hysterophorus</i>	parthenium weed	Y			26/8
plants	land plants	Asteraceae	<i>Peripleura bicolor</i>			C		1/1
plants	land plants	Asteraceae	<i>Peripleura diffusa</i>			C		2/2
plants	land plants	Asteraceae	<i>Peripleura hispidula</i> var. <i>hispidula</i>			C		1
plants	land plants	Asteraceae	<i>Peripleura hispidula</i> var. <i>setosa</i>			C		2/2
plants	land plants	Asteraceae	<i>Pluchea xanthina</i>			C		2/2
plants	land plants	Asteraceae	<i>Pterocaulon redolens</i>			C		1

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plants	land plants	Asteraceae	<i>Pterocaulon serrulatum</i> var. <i>serrulatum</i>			C		4/4
plants	land plants	Asteraceae	<i>Rhodanthe polyphylla</i>			C		2/2
plants	land plants	Asteraceae	<i>Rutidosia glandulosa</i>			NT		6/6
plants	land plants	Asteraceae	<i>Senecio prenanthoides</i>			C		1/1
plants	land plants	Asteraceae	<i>Sigesbeckia fugax</i>			C		1/1
plants	land plants	Asteraceae	<i>Sigesbeckia orientalis</i>	Indian weed		C		1/1
plants	land plants	Asteraceae	<i>Sonchus oleraceus</i>	common sowthistle	Y			5/2
plants	land plants	Asteraceae	<i>Sphaeromorphaea australis</i>			C		2/2
plants	land plants	Asteraceae	<i>Sphaeromorphaea subintegra</i>			C		1/1
plants	land plants	Asteraceae	<i>Symphotrichum subulatum</i>		Y			1
plants	land plants	Asteraceae	<i>Tagetes minuta</i>	stinking roger	Y			1/1
plants	land plants	Asteraceae	<i>Tridax procumbens</i>	tridax daisy	Y			2/1
plants	land plants	Asteraceae	<i>Trioncinia retroflexa</i>				E	2/2
plants	land plants	Asteraceae	<i>Verbesina encelioides</i>	crownbeard	Y			2
plants	land plants	Asteraceae	<i>Verbesina encelioides</i> var. <i>encelioides</i>		Y			9/9
plants	land plants	Asteraceae	<i>Vittadinia dissecta</i> var. <i>dissecta</i>				C	2/2
plants	land plants	Asteraceae	<i>Vittadinia pustulata</i>				C	2/1
plants	land plants	Asteraceae	<i>Vittadinia sulcata</i>	native daisy			C	3/1
plants	land plants	Asteraceae	<i>Xanthium occidentale</i>		Y			4/2
plants	land plants	Asteraceae	<i>Xanthium spinosum</i>	Bathurst burr	Y			2/2
plants	land plants	Asteraceae	<i>Zinnia peruviana</i>	wild zinnia	Y			1
plants	land plants	Bignoniaceae	<i>Pandorea pandorana</i>	wonga vine			C	3/1
plants	land plants	Blechnaceae	<i>Blechnum nudum</i>	fishbone water fern			SL	3
plants	land plants	Blechnaceae	<i>Telmatoblechnum indicum</i>				SL	1/1
plants	land plants	Boraginaceae	<i>Ehretia membranifolia</i>	weeping koda			C	5
plants	land plants	Boraginaceae	<i>Heliotropium brachygyne</i>				C	2/1
plants	land plants	Boraginaceae	<i>Heliotropium indicum</i>		Y			2/1
plants	land plants	Boraginaceae	<i>Heliotropium moorei</i>				C	2/2
plants	land plants	Boraginaceae	<i>Trichodesma zeylanicum</i>				C	1
plants	land plants	Boraginaceae	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>				C	3/3
plants	land plants	Brassicaceae	<i>Lepidium bonariense</i>	Argentine peppergrass	Y			1/1
plants	land plants	Brassicaceae	<i>Rorippa dietrichiana</i>				C	1/1
plants	land plants	Brassicaceae	<i>Rorippa eustylis</i>				C	1/1
plants	land plants	Brassicaceae	<i>Sisymbrium thellungii</i>	African turnip-weed	Y			2/2
plants	land plants	Burmanniaceae	<i>Burmannia disticha</i>				SL	2/1
plants	land plants	Byttneriaceae	<i>Commersonia dasyphylla</i>				C	1/1
plants	land plants	Byttneriaceae	<i>Commersonia leichhardtii</i>				C	1
plants	land plants	Byttneriaceae	<i>Commersonia pearnii</i>				CR	2/2
plants	land plants	Byttneriaceae	<i>Hannafordia shanesii</i>				C	1/1
plants	land plants	Byttneriaceae	<i>Seringia collina</i>				C	2/1
plants	land plants	Byttneriaceae	<i>Seringia corollata</i>				C	7/2
plants	land plants	Byttneriaceae	<i>Seringia hookeriana</i>				C	4/4
plants	land plants	Byttneriaceae	<i>Seringia lanceolata</i>				C	2/1
plants	land plants	Byttneriaceae	<i>Waltheria indica</i>				C	3/2
plants	land plants	Cactaceae	<i>Harrisia</i>					1
plants	land plants	Cactaceae	<i>Harrisia martinii</i>		Y			8

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plants	land plants	Cactaceae	<i>Harrisia pomanensis</i>		Y			2
plants	land plants	Cactaceae	<i>Opuntia</i>					6
plants	land plants	Cactaceae	<i>Opuntia stricta</i>		Y			4
plants	land plants	Cactaceae	<i>Opuntia tomentosa</i>	velvety tree pear	Y			13
plants	land plants	Campanulaceae	<i>Isotoma axillaris</i>	australian harebell		SL		4/4
plants	land plants	Campanulaceae	<i>Isotoma gulliveri</i>			SL		1
plants	land plants	Campanulaceae	<i>Lobelia concolor</i>			SL		1/1
plants	land plants	Campanulaceae	<i>Lobelia quadrangularis</i>			SL		1/1
plants	land plants	Campanulaceae	<i>Lobelia trigonocaulis</i>	forest lobelia		SL		1/1
plants	land plants	Campanulaceae	<i>Wahlenbergia</i>					1
plants	land plants	Campanulaceae	<i>Wahlenbergia capillaris</i>			SL		2/1
plants	land plants	Campanulaceae	<i>Wahlenbergia gracilis</i>	sprawling bluebell		SL		2/2
plants	land plants	Campanulaceae	<i>Wahlenbergia islensis</i>			SL		1/1
plants	land plants	Campanulaceae	<i>Wahlenbergia queenslandica</i>			SL		1
plants	land plants	Capparaceae	<i>Capparis anomala</i>			C		6
plants	land plants	Capparaceae	<i>Capparis arborea</i>	brush caper berry		C		1
plants	land plants	Capparaceae	<i>Capparis canescens</i>			C		3/2
plants	land plants	Capparaceae	<i>Capparis lasiantha</i>	nipan		C		13/4
plants	land plants	Capparaceae	<i>Capparis loranthifolia</i>			C		7
plants	land plants	Capparaceae	<i>Capparis loranthifolia</i> var. <i>bancroftii</i>			C		1/1
plants	land plants	Capparaceae	<i>Capparis loranthifolia</i> var. <i>loranthifolia</i>			C		1/1
plants	land plants	Capparaceae	<i>Capparis mitchellii</i>			C		5
plants	land plants	Capparaceae	<i>Capparis shanesiana</i>			C		1/1
plants	land plants	Caryophyllaceae	<i>Polycarpaea breviflora</i>			C		2/1
plants	land plants	Caryophyllaceae	<i>Polycarpaea corymbosa</i>			C		1/1
plants	land plants	Caryophyllaceae	<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>			C		1/1
plants	land plants	Caryophyllaceae	<i>Polycarpaea spirostylis</i> subsp. <i>compacta</i>			C		1
plants	land plants	Casuarinaceae	<i>Allocasuarina littoralis</i>			C		4
plants	land plants	Casuarinaceae	<i>Allocasuarina luehmannii</i>	bull oak		C		12/1
plants	land plants	Casuarinaceae	<i>Allocasuarina torulosa</i>			C		100/1
plants	land plants	Casuarinaceae	<i>Casuarina cristata</i>	belah		C		3
plants	land plants	Casuarinaceae	<i>Casuarina cunninghamiana</i>			C		4
plants	land plants	Celastraceae	<i>Denhamia cunninghamii</i>			C		2/1
plants	land plants	Celastraceae	<i>Denhamia disperma</i>			C		1
plants	land plants	Celastraceae	<i>Denhamia oleaster</i>			C		10
plants	land plants	Celastraceae	<i>Elaeodendron australe</i>			C		4
plants	land plants	Celastraceae	<i>Elaeodendron australe</i> var. <i>australe</i>			C		1/1
plants	land plants	Celastraceae	<i>Elaeodendron australe</i> var. <i>integrifolium</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Atriplex muelleri</i>	lagoon saltbush		C		3
plants	land plants	Chenopodiaceae	<i>Atriplex semibaccata</i>	creeping saltbush		C		2
plants	land plants	Chenopodiaceae	<i>Chenopodium auricomiforme</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Dysphania carinata</i>			C		4/3
plants	land plants	Chenopodiaceae	<i>Dysphania glomulifera</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Dysphania glomulifera</i> subsp. <i>glomulifera</i>			C		3/3
plants	land plants	Chenopodiaceae	<i>Dysphania pumilio</i>			C		1
plants	land plants	Chenopodiaceae	<i>Einadia hastata</i>			C		2/1

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plants	land plants	Chenopodiaceae	<i>Einadia nutans</i>			C		5
plants	land plants	Chenopodiaceae	<i>Einadia nutans subsp. linifolia</i>			C		2/2
plants	land plants	Chenopodiaceae	<i>Einadia nutans subsp. nutans</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Einadia polygonoides</i>	knotweed goosefoot		C		3
plants	land plants	Chenopodiaceae	<i>Einadia trigonos subsp. stellulata</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Enchylaena tomentosa</i>			C		10
plants	land plants	Chenopodiaceae	<i>Enchylaena tomentosa var. tomentosa</i>			C		2/2
plants	land plants	Chenopodiaceae	<i>Maireana microphylla</i>			C		5/2
plants	land plants	Chenopodiaceae	<i>Rhagodia parabolica</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Rhagodia spinescens</i>	thorny saltbush		C		1
plants	land plants	Chenopodiaceae	<i>Salsola australis</i>			C		8
plants	land plants	Chenopodiaceae	<i>Sclerolaena anisacanthoides</i>	yellow burr		C		1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena bicornis var. horrida</i>			C		2
plants	land plants	Chenopodiaceae	<i>Sclerolaena calcarata</i>	red burr		C		1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena convexula</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena muricata</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena muricata var. muricata</i>			C		1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena muricata var. villosa</i>			C		2/2
plants	land plants	Chenopodiaceae	<i>Sclerolaena ramulosa</i>			C		1/1
plants	land plants	Cleomaceae	<i>Arivela tetrandra</i>			C		1
plants	land plants	Cleomaceae	<i>Arivela viscosa</i>			C		1
plants	land plants	Colchicaceae	<i>Iphigenia indica</i>			C		1/1
plants	land plants	Combretaceae	<i>Macropteranthes leichhardtii</i>	bonewood		C		3/2
plants	land plants	Combretaceae	<i>Terminalia oblongata</i>			C		17
plants	land plants	Combretaceae	<i>Terminalia oblongata subsp. oblongata</i>			C		11/8
plants	land plants	Commelinaceae	<i>Commelina diffusa</i>			C		6
plants	land plants	Commelinaceae	<i>Commelina ensifolia</i>	scurvy grass		C		2/1
plants	land plants	Commelinaceae	<i>Commelina lanceolata</i>			C		2/2
plants	land plants	Commelinaceae	<i>Murdannia graminea</i>	murdannia		C		1/1
plants	land plants	Convolvulaceae	<i>Bonamia media</i>			C		1/1
plants	land plants	Convolvulaceae	<i>Convolvulus erubescens</i>	Australian bindweed		C		2
plants	land plants	Convolvulaceae	<i>Convolvulus graminetinus</i>			C		4/4
plants	land plants	Convolvulaceae	<i>Evolvulus alsinoides</i>			C		4
plants	land plants	Convolvulaceae	<i>Evolvulus alsinoides var. decumbens</i>			C		1/1
plants	land plants	Convolvulaceae	<i>Evolvulus alsinoides var. villosicalyx</i>			C		3/2
plants	land plants	Convolvulaceae	<i>Ipomoea calobra</i>			C		1/1
plants	land plants	Convolvulaceae	<i>Ipomoea lonchophylla</i>			C		4/3
plants	land plants	Convolvulaceae	<i>Ipomoea plebeia</i>	bellvine		C		6/2
plants	land plants	Convolvulaceae	<i>Polymeria</i>					1/1
plants	land plants	Convolvulaceae	<i>Polymeria calycina</i>	pink bindweed		C		1/1
plants	land plants	Convolvulaceae	<i>Polymeria marginata</i>			C		1/1
plants	land plants	Convolvulaceae	<i>Polymeria pusilla</i>			C		3
plants	land plants	Crassulaceae	<i>Bryophyllum delagoense</i>		Y			8/2
plants	land plants	Crassulaceae	<i>Crassula tetramera</i>			C		1/1
plants	land plants	Cucurbitaceae	<i>Cucumis melo</i>			C		2/1
plants	land plants	Cupressaceae	<i>Callitris endlicheri</i>	black cypress pine		C		3/2

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plants	land plants	Cupressaceae	<i>Callitris glaucophylla</i>	white cypress pine		C		5/1
plants	land plants	Cyatheaceae	<i>Sphaeropteris cooperi</i>			C		2
plants	land plants	Cyperaceae	<i>Bulbostylis barbata</i>			C		2/2
plants	land plants	Cyperaceae	<i>Bulbostylis sp. (Goonderoo R.J.Fensham 3815)</i>			C		2/2
plants	land plants	Cyperaceae	<i>Caustis</i>					2
plants	land plants	Cyperaceae	<i>Caustis flexuosa</i>			C		1
plants	land plants	Cyperaceae	<i>Caustis pentandra</i>	thick twistrush		C		2/1
plants	land plants	Cyperaceae	<i>Caustis sp. (Robinson Gorge P.I.Forster+ PIF11256)</i>			C		5/2
plants	land plants	Cyperaceae	<i>Cyperus</i>					6
plants	land plants	Cyperaceae	<i>Cyperus betchei</i>			C		6
plants	land plants	Cyperaceae	<i>Cyperus betchei subsp. betchei</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus bifax</i>	western nutgrass		C		4/4
plants	land plants	Cyperaceae	<i>Cyperus castaneus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus clarus</i>			V		5/5
plants	land plants	Cyperaceae	<i>Cyperus concinnus</i>			C		3/2
plants	land plants	Cyperaceae	<i>Cyperus curvistylis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus dactylotes</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus dietrichiae var. brevibracteatus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus dietrichiae var. dietrichiae</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus difformis</i>	rice sedge		C		4/2
plants	land plants	Cyperaceae	<i>Cyperus exaltatus</i>	tall flatsedge		C		1/1
plants	land plants	Cyperaceae	<i>Cyperus fulvus</i>			C		6/4
plants	land plants	Cyperaceae	<i>Cyperus gilesii</i>			C		1
plants	land plants	Cyperaceae	<i>Cyperus gracilis</i>			C		8/3
plants	land plants	Cyperaceae	<i>Cyperus gunnii subsp. novae-hollandiae</i>			C		1
plants	land plants	Cyperaceae	<i>Cyperus haspan</i>			C		2/1
plants	land plants	Cyperaceae	<i>Cyperus haspan subsp. haspan</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus iria</i>			C		4
plants	land plants	Cyperaceae	<i>Cyperus isabellinus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus javanicus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus leptocarpus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus lucidus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus nutans var. eleusinoides</i>	flatsedge		C		1/1
plants	land plants	Cyperaceae	<i>Cyperus polystachyos</i>			C		1
plants	land plants	Cyperaceae	<i>Cyperus rotundus</i>	nutgrass	Y			1/1
plants	land plants	Cyperaceae	<i>Cyperus squarrosus</i>	bearded flatsedge		C		1/1
plants	land plants	Cyperaceae	<i>Cyperus victoriensis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Eleocharis</i>					1
plants	land plants	Cyperaceae	<i>Eleocharis atricha</i>	tuber spikerush		C		4/2
plants	land plants	Cyperaceae	<i>Eleocharis dulcis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Eleocharis pallens</i>	pale spikerush		C		1/1
plants	land plants	Cyperaceae	<i>Eleocharis plana</i>	ribbed spikerush		C		3/2
plants	land plants	Cyperaceae	<i>Eleocharis sphacelata</i>	tall spikerush		C		3/2
plants	land plants	Cyperaceae	<i>Eleocharis tetraquetra</i>			C		1/1
plants	land plants	Cyperaceae	<i>Fimbristylis dichotoma</i>	common fringe-rush		C		8/6
plants	land plants	Cyperaceae	<i>Fimbristylis microcarya</i>			C		1/1



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plants	land plants	Cyperaceae	<i>Fimbristylis sieberiana</i>			C		1/1
plants	land plants	Cyperaceae	<i>Fuirena ciliaris</i>			C		1
plants	land plants	Cyperaceae	<i>Fuirena incrassata</i>			C		1/1
plants	land plants	Cyperaceae	<i>Isolepis subtilissima</i>			C		1/1
plants	land plants	Cyperaceae	<i>Lepidosperma laterale</i>			C		3
plants	land plants	Cyperaceae	<i>Machaerina planifolia</i>			C		2/1
plants	land plants	Cyperaceae	<i>Machaerina rubiginosa</i>			C		2
plants	land plants	Cyperaceae	<i>Schoenoplectiella erecta</i>		Y			2/1
plants	land plants	Cyperaceae	<i>Schoenoplectiella mucronata</i>			C		1
plants	land plants	Cyperaceae	<i>Schoenus</i>					3/3
plants	land plants	Cyperaceae	<i>Schoenus kennyi</i>			C		4/3
plants	land plants	Cyperaceae	<i>Schoenus melanostachys</i>			C		2/1
plants	land plants	Cyperaceae	<i>Schoenus sparteus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Scleria brownii</i>			C		1/1
plants	land plants	Cyperaceae	<i>Scleria mackaviensis</i>			C		3/1
plants	land plants	Cyperaceae	<i>Scleria sphacelata</i>			C		4/2
plants	land plants	Davalliaceae	<i>Davallia pyxidata</i>			C		1
plants	land plants	Dennstaedtiaceae	<i>Histiopteris incisa</i>	bats-wing fern		C		2
plants	land plants	Dennstaedtiaceae	<i>Pteridium esculentum</i>	common bracken		C		5
plants	land plants	Dicksoniaceae	<i>Calochlaena dubia</i>			C		4
plants	land plants	Dilleniaceae	<i>Hibbertia</i>					2/2
plants	land plants	Dilleniaceae	<i>Hibbertia acicularis</i>			C		1/1
plants	land plants	Dilleniaceae	<i>Hibbertia aspera</i>			C		3
plants	land plants	Dilleniaceae	<i>Hibbertia cistoidea</i>			C		1/1
plants	land plants	Dilleniaceae	<i>Hibbertia ferox</i>			C		1/1
plants	land plants	Dilleniaceae	<i>Hibbertia hendersonii</i>			C		3/3
plants	land plants	Dilleniaceae	<i>Hibbertia linearis</i>			C		1
plants	land plants	Dilleniaceae	<i>Hibbertia linearis var. obtusifolia</i>			C		5
plants	land plants	Dilleniaceae	<i>Hibbertia oligodonta</i>			C		10/5
plants	land plants	Dilleniaceae	<i>Hibbertia riparia</i>			C		4
plants	land plants	Dilleniaceae	<i>Hibbertia stricta</i>			C		3/1
plants	land plants	Droseraceae	<i>Drosera binata</i>	forked sundew		SL		2/1
plants	land plants	Droseraceae	<i>Drosera spatulata</i>			SL		1
plants	land plants	Droseraceae	<i>Drosera spatulata var. spatulata</i>			SL		1/1
plants	land plants	Ebenaceae	<i>Diospyros humilis</i>	small-leaved ebony		C		10/2
plants	land plants	Ericaceae	<i>Acrotriche aggregata</i>	red cluster heath		C		3/2
plants	land plants	Ericaceae	<i>Brachyloma daphnoides</i>			C		3
plants	land plants	Ericaceae	<i>Brachyloma daphnoides subsp. daphnoides</i>			C		1/1
plants	land plants	Ericaceae	<i>Leucopogon</i>					1
plants	land plants	Ericaceae	<i>Melichrus</i>					2/1
plants	land plants	Ericaceae	<i>Melichrus sp. (Isla Gorge P.Sharpe+ 601)</i>			C		4/1
plants	land plants	Ericaceae	<i>Monotoca scoparia</i>	prickly broom heath		C		2/1
plants	land plants	Ericaceae	<i>Styphelia biflora</i>			C		2/1
plants	land plants	Ericaceae	<i>Styphelia cuspidata</i>			C		1/1
plants	land plants	Ericaceae	<i>Styphelia grandiflora</i>			C		1/1
plants	land plants	Ericaceae	<i>Styphelia mitchellii</i>			C		2/1

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plants	land plants	Ericaceae	<i>Styphelia mutica</i>			C		3/3
plants	land plants	Eriocaulaceae	<i>Eriocaulon scariosum</i>			C		4/2
plants	land plants	Erythroxylaceae	<i>Erythroxylum australe</i>	cocaine tree		C		7/4
plants	land plants	Euphorbiaceae	<i>Acalypha</i>					1
plants	land plants	Euphorbiaceae	<i>Acalypha capillipes</i>	small-leaved acalypha		C		6
plants	land plants	Euphorbiaceae	<i>Acalypha eremorum</i>	soft acalypha		C		8/4
plants	land plants	Euphorbiaceae	<i>Adriana tomentosa</i> var. <i>tomentosa</i>			C		3/3
plants	land plants	Euphorbiaceae	<i>Bertya lapicola</i> subsp. <i>brevifolia</i>			C		6/6
plants	land plants	Euphorbiaceae	<i>Bertya opponens</i>			C	V	4/4
plants	land plants	Euphorbiaceae	<i>Bertya pedicellata</i>			NT		2
plants	land plants	Euphorbiaceae	<i>Croton insularis</i>	Queensland cascarilla		C		4/3
plants	land plants	Euphorbiaceae	<i>Croton phebalioides</i>	narrow-leaved croton		C		6/3
plants	land plants	Euphorbiaceae	<i>Euphorbia</i>					3
plants	land plants	Euphorbiaceae	<i>Euphorbia coghlanii</i>			C		5/5
plants	land plants	Euphorbiaceae	<i>Euphorbia dallachyana</i>			C		1/1
plants	land plants	Euphorbiaceae	<i>Euphorbia drummondii</i>			C		6/3
plants	land plants	Euphorbiaceae	<i>Euphorbia hirta</i>		Y			2/2
plants	land plants	Euphorbiaceae	<i>Euphorbia hyssopifolia</i>		Y			3/3
plants	land plants	Euphorbiaceae	<i>Euphorbia lacinioloba</i>			C		1/1
plants	land plants	Euphorbiaceae	<i>Euphorbia papillifolia</i> var. <i>papillifolia</i>			C		3/3
plants	land plants	Euphorbiaceae	<i>Euphorbia stevenii</i>	bottle tree spurge		C		1/1
plants	land plants	Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>			C		7/5
plants	land plants	Euphorbiaceae	<i>Mallotus philippensis</i>	red kamala		C		1
plants	land plants	Euphorbiaceae	<i>Ricinocarpos</i>					1
plants	land plants	Euphorbiaceae	<i>Ricinocarpos linearifolius</i>			C		14/11
plants	land plants	Euphorbiaceae	<i>Ricinocarpos ruminatus</i>			C		6/3
plants	land plants	Fabaceae	<i>Fabaceae</i>					1
plants	land plants	Fissidentaceae	<i>Fissidens</i>					1/1
plants	land plants	Fissidentaceae	<i>Fissidens asplenioides</i>			C		1/1
plants	land plants	Gentianaceae	<i>Schenkia australis</i>			C		1/1
plants	land plants	Gleicheniaceae	<i>Dicranopteris linearis</i>			C		1
plants	land plants	Gleicheniaceae	<i>Gleichenia dicarpa</i>	pouched coral fern		C		3/1
plants	land plants	Gleicheniaceae	<i>Sticherus flabellatus</i> var. <i>flabellatus</i>			C		5/2
plants	land plants	Goodeniaceae	<i>Brunonia australis</i>	blue pincushion		SL		1
plants	land plants	Goodeniaceae	<i>Dampiera adpressa</i>			C		2/2
plants	land plants	Goodeniaceae	<i>Dampiera discolor</i>			C		1
plants	land plants	Goodeniaceae	<i>Goodenia</i>					1
plants	land plants	Goodeniaceae	<i>Goodenia bellidifolia</i> subsp. <i>argentea</i>			C		1/1
plants	land plants	Goodeniaceae	<i>Goodenia glabra</i>			C		7/7
plants	land plants	Goodeniaceae	<i>Goodenia grandiflora</i>			C		7/6
plants	land plants	Goodeniaceae	<i>Goodenia racemosa</i>			C		1
plants	land plants	Goodeniaceae	<i>Goodenia racemosa</i> var. <i>racemosa</i>			C		1
plants	land plants	Goodeniaceae	<i>Goodenia rosulata</i>			C		1/1
plants	land plants	Goodeniaceae	<i>Goodenia rotundifolia</i>			C		5/4
plants	land plants	Goodeniaceae	<i>Goodenia</i> sp. (Mt Castletower M.D.Crisp 2753)			C		1/1
plants	land plants	Goodeniaceae	<i>Scaevola humilis</i>			C		3/3

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plants	land plants	Gyrostemonaceae	<i>Codonocarpus attenuatus</i>			C		3/2
plants	land plants	Gyrostemonaceae	<i>Codonocarpus cotinifolius</i>			C		1
plants	land plants	Haemodoraceae	<i>Haemodorum austroqueenslandicum</i>			C		2/1
plants	land plants	Haloragaceae	<i>Gonocarpus</i>					1/1
plants	land plants	Haloragaceae	<i>Gonocarpus chinensis subsp. verrucosus</i>			C		1/1
plants	land plants	Haloragaceae	<i>Gonocarpus elatus</i>			C		1
plants	land plants	Haloragaceae	<i>Gonocarpus humilis</i>			C		1/1
plants	land plants	Haloragaceae	<i>Haloragis glauca</i>			C		1
plants	land plants	Haloragaceae	<i>Haloragis glauca forma glauca</i>			C		2/2
plants	land plants	Haloragaceae	<i>Haloragis heterophylla</i>	rough raspweed		C		1/1
plants	land plants	Haloragaceae	<i>Haloragis stricta</i>			C		10/8
plants	land plants	Haloragaceae	<i>Myriophyllum simulans</i>			C		2/1
plants	land plants	Haloragaceae	<i>Myriophyllum variifolium</i>			C		1/1
plants	land plants	Hemerocallidaceae	<i>Dianella</i>					2
plants	land plants	Hemerocallidaceae	<i>Dianella caerulea</i>			C		4/2
plants	land plants	Hemerocallidaceae	<i>Dianella longifolia</i>			C		3/2
plants	land plants	Hemerocallidaceae	<i>Dianella longifolia var. stenophylla</i>			C		1/1
plants	land plants	Hemerocallidaceae	<i>Dianella rara</i>			C		1/1
plants	land plants	Hemerocallidaceae	<i>Dianella revoluta</i>			C		5/1
plants	land plants	Hydrocharitaceae	<i>Ottelia ovalifolia subsp. ovalifolia</i>			SL		1/1
plants	land plants	Hydrocharitaceae	<i>Vallisneria nana</i>			SL		1/1
plants	land plants	Hypericaceae	<i>Hypericum gramineum</i>			C		2
plants	land plants	Hypoxidaceae	<i>Hypoxis arillacea</i>			C		5/5
plants	land plants	Iridaceae	<i>Patersonia sericea var. sericea</i>			C		1
plants	land plants	Johnsoniaceae	<i>Caesia parviflora</i>			C		1/1
plants	land plants	Johnsoniaceae	<i>Caesia parviflora var. parviflora</i>			C		2
plants	land plants	Johnsoniaceae	<i>Tricoryne elatior</i>	yellow autumn lily		C		2/1
plants	land plants	Johnsoniaceae	<i>Tricoryne muricata</i>			C		3/1
plants	land plants	Juncaceae	<i>Juncus</i>					1
plants	land plants	Juncaceae	<i>Juncus aridicola</i>	tussock rush		C		2
plants	land plants	Juncaceae	<i>Juncus continuus</i>			C		2/1
plants	land plants	Juncaceae	<i>Juncus prismatocarpus</i>	branching rush		C		3/2
plants	land plants	Juncaceae	<i>Juncus usitatus</i>			C		1
plants	land plants	Juncaginaceae	<i>Cycnogeton procerus</i>			SL		1/1
plants	land plants	Lamiaceae	<i>Ajuga australis</i>	Australian bugle		C		5/4
plants	land plants	Lamiaceae	<i>Basilicum polystachyon</i>			C		4/4
plants	land plants	Lamiaceae	<i>Chloanthes parviflora</i>			C		4/3
plants	land plants	Lamiaceae	<i>Clerodendrum floribundum</i>			C		5
plants	land plants	Lamiaceae	<i>Coleus australis</i>			C		2/2
plants	land plants	Lamiaceae	<i>Coleus blakei</i>			NT		7/7
plants	land plants	Lamiaceae	<i>Coleus graveolens</i>			C		1/1
plants	land plants	Lamiaceae	<i>Ocimum tenuiflorum</i>			C		4
plants	land plants	Lamiaceae	<i>Plectranthus</i>					1
plants	land plants	Lamiaceae	<i>Prostanthera</i>					1/1
plants	land plants	Lamiaceae	<i>Prostanthera collina</i>			C		2/2
plants	land plants	Lamiaceae	<i>Prostanthera cryptandroides subsp. euphrasioides</i>			C		9/7

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plants	land plants	Lamiaceae	<i>Prostanthera oleoides</i>			C		3/3
plants	land plants	Lamiaceae	<i>Prostanthera parvifolia</i>			C		2/2
plants	land plants	Lamiaceae	<i>Prostanthera suborbicularis</i>			C		2/2
plants	land plants	Lamiaceae	<i>Salvia reflexa</i>		Y			1/1
plants	land plants	Lamiaceae	<i>Teucrium daucooides</i>			C		1
plants	land plants	Lamiaceae	<i>Teucrium integrifolium</i>			C		1/1
plants	land plants	Lamiaceae	<i>Teucrium junceum</i>			C		2
plants	land plants	Lamiaceae	<i>Teucrium puberulum</i>			C		1/1
plants	land plants	Lauraceae	<i>Cassytha pubescens</i>	downy devil's twine		C		2
plants	land plants	Laxmanniaceae	<i>Eustrephus latifolius</i>	wombat berry		C		6
plants	land plants	Laxmanniaceae	<i>Laxmannia compacta</i>			C		2/2
plants	land plants	Laxmanniaceae	<i>Laxmannia gracilis</i>	slender wire lily		C		6/3
plants	land plants	Laxmanniaceae	<i>Lomandra</i>					4
plants	land plants	Laxmanniaceae	<i>Lomandra confertifolia</i> subsp. <i>pallida</i>			C		6/1
plants	land plants	Laxmanniaceae	<i>Lomandra filiformis</i>			C		3
plants	land plants	Laxmanniaceae	<i>Lomandra filiformis</i> subsp. <i>filiformis</i>			C		4/2
plants	land plants	Laxmanniaceae	<i>Lomandra glauca</i>	pale matrush		C		1/1
plants	land plants	Laxmanniaceae	<i>Lomandra leucocephala</i>			C		2
plants	land plants	Laxmanniaceae	<i>Lomandra longifolia</i>			C		8
plants	land plants	Laxmanniaceae	<i>Lomandra multiflora</i>			C		2/1
plants	land plants	Laxmanniaceae	<i>Lomandra multiflora</i> subsp. <i>multiflora</i>			C		6/2
plants	land plants	Laxmanniaceae	<i>Lomandra obliqua</i>			C		2/1
plants	land plants	Leguminosae	<i>Acacia</i>					1
plants	land plants	Leguminosae	<i>Acacia amblygona</i>	fan-leaf wattle		C		2/2
plants	land plants	Leguminosae	<i>Acacia angusta</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia bancroftiorum</i>			C		3/2
plants	land plants	Leguminosae	<i>Acacia blakei</i> subsp. <i>blakei</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia burbidgeae</i>			C		2/2
plants	land plants	Leguminosae	<i>Acacia burrowii</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia caroleae</i>			C		1
plants	land plants	Leguminosae	<i>Acacia catenulata</i>	bendee		C		3/1
plants	land plants	Leguminosae	<i>Acacia complanata</i>	flatstem wattle		C		5
plants	land plants	Leguminosae	<i>Acacia conferta</i>			C		2
plants	land plants	Leguminosae	<i>Acacia crassa</i>			C		2
plants	land plants	Leguminosae	<i>Acacia crassa</i> subsp. <i>crassa</i>			C		3
plants	land plants	Leguminosae	<i>Acacia cretata</i>			C		6/4
plants	land plants	Leguminosae	<i>Acacia cretata</i> x <i>Acacia fodinalis</i>			C		3/3
plants	land plants	Leguminosae	<i>Acacia cretata</i> x <i>Acacia leiocalyx</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia deanei</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia decora</i>	pretty wattle		C		2/1
plants	land plants	Leguminosae	<i>Acacia dietrichiana</i>			C		2/1
plants	land plants	Leguminosae	<i>Acacia everistii</i>			C		2/2
plants	land plants	Leguminosae	<i>Acacia excelsa</i>			C		6
plants	land plants	Leguminosae	<i>Acacia falciformis</i>	broad-leaved hickory		C		1/1
plants	land plants	Leguminosae	<i>Acacia flavescens</i>	toothed wattle		C		8
plants	land plants	Leguminosae	<i>Acacia gittinsii</i>			C		12/7

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plants	land plants	Leguminosae	<i>Acacia glaucocarpa</i>	hickory wattle		C		1
plants	land plants	Leguminosae	<i>Acacia harpophylla</i>	brigalow		C		18
plants	land plants	Leguminosae	<i>Acacia johnsonii</i>			C		2/2
plants	land plants	Leguminosae	<i>Acacia julifera subsp. julifera</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia juncifolia</i>			C		6/4
plants	land plants	Leguminosae	<i>Acacia leichhardtii</i>			C		5/2
plants	land plants	Leguminosae	<i>Acacia leiocalyx subsp. leiocalyx</i>			C		2/1
plants	land plants	Leguminosae	<i>Acacia leptocarpa</i>	north coast wattle		C		1
plants	land plants	Leguminosae	<i>Acacia leptostachya</i>	Townsville wattle		C		8/4
plants	land plants	Leguminosae	<i>Acacia longispicata</i>			C		3/3
plants	land plants	Leguminosae	<i>Acacia macradenia</i>	zig-zag wattle		C		3
plants	land plants	Leguminosae	<i>Acacia melvillei</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia neobrachycarpa</i>			C		5/2
plants	land plants	Leguminosae	<i>Acacia neriifolia</i>	pechey wattle		C		5/4
plants	land plants	Leguminosae	<i>Acacia pendula</i>	myall		C		1
plants	land plants	Leguminosae	<i>Acacia podalyriifolia</i>	Queensland silver wattle		C		1/1
plants	land plants	Leguminosae	<i>Acacia polifolia</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia salicina</i>	doolan		C		17/2
plants	land plants	Leguminosae	<i>Acacia shirleyi</i>	lancewood		C		4/2
plants	land plants	Leguminosae	<i>Acacia sp. (Comet L.Pedley 4091)</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia storyi</i>			NT		6/4
plants	land plants	Leguminosae	<i>Acacia triptera</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia venulosa</i>	veined wattle		C		5/5
plants	land plants	Leguminosae	<i>Aeschynomene brevifolia</i>			C		1/1
plants	land plants	Leguminosae	<i>Aeschynomene indica</i>	budda pea		C		2/1
plants	land plants	Leguminosae	<i>Alysicarpus muelleri</i>			C		1/1
plants	land plants	Leguminosae	<i>Aotus subglauca var. filiformis</i>			C		1
plants	land plants	Leguminosae	<i>Bossiaea brownii</i>			C		3/1
plants	land plants	Leguminosae	<i>Bossiaea carinalis</i>			C		7/3
plants	land plants	Leguminosae	<i>Bossiaea concolor</i>			C		2
plants	land plants	Leguminosae	<i>Cajanus acutifolius</i>			C		2/2
plants	land plants	Leguminosae	<i>Cassia brewsteri</i>			C		13/5
plants	land plants	Leguminosae	<i>Cassia brewsteri var. sylvestris</i>			C		1
plants	land plants	Leguminosae	<i>Chamaecrista rotundifolia var. rotundifolia</i>		Y			1/1
plants	land plants	Leguminosae	<i>Clitoria ternatea</i>	butterfly pea	Y			3/2
plants	land plants	Leguminosae	<i>Crotalaria dissitiflora</i>			C		1
plants	land plants	Leguminosae	<i>Crotalaria dissitiflora subsp. dissitiflora</i>			C		3/2
plants	land plants	Leguminosae	<i>Crotalaria incana</i>		Y			2/1
plants	land plants	Leguminosae	<i>Crotalaria incana subsp. incana</i>		Y			4/3
plants	land plants	Leguminosae	<i>Crotalaria juncea</i>	sunhemp	Y			3/2
plants	land plants	Leguminosae	<i>Crotalaria verrucosa</i>			C		1/1
plants	land plants	Leguminosae	<i>Cullen tenax</i>	emu-foot		C		3/3
plants	land plants	Leguminosae	<i>Daviesia acicularis</i>			C		1/1
plants	land plants	Leguminosae	<i>Daviesia discolor</i>			V	V	4/3
plants	land plants	Leguminosae	<i>Daviesia filipes subsp. filipes</i>			C		2/2
plants	land plants	Leguminosae	<i>Daviesia quoquoversus</i>			V		2

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plants	land plants	Leguminosae	<i>Daviesia ulicifolia</i>	native gorse		C		2
plants	land plants	Leguminosae	<i>Daviesia ulicifolia</i> subsp. <i>ulicifolia</i>			C		2
plants	land plants	Leguminosae	<i>Daviesia villifera</i>	prickly daviesia		C		3/1
plants	land plants	Leguminosae	<i>Daviesia wyattiana</i>	long-leaved bitter pea		C		4/2
plants	land plants	Leguminosae	<i>Desmodium brachypodium</i>	large ticktrefoil		C		3/1
plants	land plants	Leguminosae	<i>Desmodium campylocaulon</i>			C		3/3
plants	land plants	Leguminosae	<i>Desmodium macrocarpum</i>			C		2/2
plants	land plants	Leguminosae	<i>Desmodium rhytidophyllum</i>			C		1/1
plants	land plants	Leguminosae	<i>Desmodium varians</i>	slender tick trefoil		C		2/1
plants	land plants	Leguminosae	<i>Dillwynia phyllicoides</i>			C		2/2
plants	land plants	Leguminosae	<i>Erythrina vespertilio</i>			C		1
plants	land plants	Leguminosae	<i>Galactia tenuiflora</i>			C		1
plants	land plants	Leguminosae	<i>Galactia tenuiflora</i> var. <i>lucida</i>			C		5/5
plants	land plants	Leguminosae	<i>Glycine clandestina</i>			C		1
plants	land plants	Leguminosae	<i>Glycine falcata</i>			C		3/3
plants	land plants	Leguminosae	<i>Glycine latifolia</i>			C		3/3
plants	land plants	Leguminosae	<i>Glycine stenophita</i>			C		1/1
plants	land plants	Leguminosae	<i>Glycine tabacina</i>	glycine pea		C		1
plants	land plants	Leguminosae	<i>Glycine tomentella</i>	woolly glycine		C		7/2
plants	land plants	Leguminosae	<i>Gompholobium foliolosum</i>	fern-leaved burtonia		C		3
plants	land plants	Leguminosae	<i>Hardenbergia perbrevidens</i>			C		2/2
plants	land plants	Leguminosae	<i>Hardenbergia violacea</i>			C		1
plants	land plants	Leguminosae	<i>Heliodendron basalticum</i>			C		1/1
plants	land plants	Leguminosae	<i>Hovea</i>					4
plants	land plants	Leguminosae	<i>Hovea linearis</i>	erect hovea		C		2/2
plants	land plants	Leguminosae	<i>Hovea linearis</i> x <i>Hovea planifolia</i>			C		2/2
plants	land plants	Leguminosae	<i>Hovea lorata</i>			C		2/2
plants	land plants	Leguminosae	<i>Hovea parvicalyx</i>			C		3/3
plants	land plants	Leguminosae	<i>Hovea planifolia</i>			C		9/4
plants	land plants	Leguminosae	<i>Hovea planifolia</i> x <i>Hovea tholiformis</i>			C		1/1
plants	land plants	Leguminosae	<i>Hovea tholiformis</i>			C		6/1
plants	land plants	Leguminosae	<i>Indigofera</i>					2
plants	land plants	Leguminosae	<i>Indigofera australis</i>			C		2
plants	land plants	Leguminosae	<i>Indigofera brevidens</i>			C		4/3
plants	land plants	Leguminosae	<i>Indigofera colutea</i>	sticky indigo		C		2/1
plants	land plants	Leguminosae	<i>Indigofera ewartiana</i>			C		1/1
plants	land plants	Leguminosae	<i>Indigofera linifolia</i>			C		3/2
plants	land plants	Leguminosae	<i>Indigofera linnaei</i>	Birdsville indigo		C		2/1
plants	land plants	Leguminosae	<i>Indigofera pratensis</i>			C		1/1
plants	land plants	Leguminosae	<i>Jacksonia rhadinoclona</i>	Miles dogwood		C		1/1
plants	land plants	Leguminosae	<i>Jacksonia scoparia</i>			C		8/1
plants	land plants	Leguminosae	<i>Kennedia</i> sp. ( <i>Blackdown Tableland R.J.Henderson+H747</i> )			C		1/1
plants	land plants	Leguminosae	<i>Lablab purpureus</i>	lablab		Y		1/1
plants	land plants	Leguminosae	<i>Leucaena leucocephala</i> subsp. <i>leucocephala</i>			Y		1/1
plants	land plants	Leguminosae	<i>Lysiphyllum</i>					1

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plants	land plants	Leguminosae	<i>Lysiphyllum carronii</i>	ebony tree		C		12/1
plants	land plants	Leguminosae	<i>Lysiphyllum hookeri</i>	Queensland ebony		C		12/2
plants	land plants	Leguminosae	<i>Macroptilium lathyroides</i>		Y			1/1
plants	land plants	Leguminosae	<i>Medicago polymorpha</i>	burr medic	Y			1/1
plants	land plants	Leguminosae	<i>Medicago scutellata</i>	snail medic	Y			1/1
plants	land plants	Leguminosae	<i>Mirbelia</i>					1/1
plants	land plants	Leguminosae	<i>Mirbelia aotoides</i>			C		1/1
plants	land plants	Leguminosae	<i>Mirbelia pungens</i>			C		1/1
plants	land plants	Leguminosae	<i>Mirbelia speciosa subsp. ringrosei</i>			C		1/1
plants	land plants	Leguminosae	<i>Neptunia gracilis</i>			C		2/2
plants	land plants	Leguminosae	<i>Neptunia gracilis forma gracilis</i>			C		3
plants	land plants	Leguminosae	<i>Parkinsonia aculeata</i>	parkinsonia	Y			7/3
plants	land plants	Leguminosae	<i>Petalostylis labicheoides</i>			C		5/5
plants	land plants	Leguminosae	<i>Pultenaea borea</i>			C		1/1
plants	land plants	Leguminosae	<i>Pultenaea cunninghamii</i>	prickly pea		C		3/3
plants	land plants	Leguminosae	<i>Pultenaea millarii</i>			C		1/1
plants	land plants	Leguminosae	<i>Pultenaea millarii var. millarii</i>			C		6/4
plants	land plants	Leguminosae	<i>Pultenaea paleacea</i>			C		1
plants	land plants	Leguminosae	<i>Pultenaea petiolaris</i>			C		8/5
plants	land plants	Leguminosae	<i>Pultenaea spinosa</i>			C		6/1
plants	land plants	Leguminosae	<i>Rhynchosia minima</i>			C		6/1
plants	land plants	Leguminosae	<i>Rhynchosia minima var. minima</i>			C		3/3
plants	land plants	Leguminosae	<i>Senna aciphylla</i>	Australian senna		C		1/1
plants	land plants	Leguminosae	<i>Senna artemisioides</i>			C		1
plants	land plants	Leguminosae	<i>Senna barclayana</i>			C		2/1
plants	land plants	Leguminosae	<i>Senna occidentalis</i>	coffee senna	Y			1/1
plants	land plants	Leguminosae	<i>Stylosanthes scabra</i>		Y			4/2
plants	land plants	Leguminosae	<i>Tephrosia</i>					1
plants	land plants	Leguminosae	<i>Tephrosia astragaloides</i>			C		2/2
plants	land plants	Leguminosae	<i>Tephrosia dietrichiae</i>			C		1/1
plants	land plants	Leguminosae	<i>Tephrosia filipes subsp. filipes</i>			C		1/1
plants	land plants	Leguminosae	<i>Tephrosia filipes var. (Mt Blackjack A.R.Bean+ 7332)</i>			C		2/2
plants	land plants	Leguminosae	<i>Tephrosia gaudium-solis</i>			C		1/1
plants	land plants	Leguminosae	<i>Tephrosia juncea</i>			C		2/2
plants	land plants	Leguminosae	<i>Vigna lanceolata var. lanceolata</i>			C		1/1
plants	land plants	Leguminosae	<i>Vigna radiata var. sublobata</i>			C		2/1
plants	land plants	Leguminosae	<i>Vigna suberecta</i>			C		1/1
plants	land plants	Leguminosae	<i>Zornia dyctiocarpa</i>			C		1
plants	land plants	Leguminosae	<i>Zornia dyctiocarpa var. filifolia</i>			C		2/2
plants	land plants	Leguminosae	<i>Zornia muriculata subsp. angustata</i>			C		2/2
plants	land plants	Leguminosae	<i>Zornia muriculata subsp. muriculata</i>			C		1/1
plants	land plants	Lentibulariaceae	<i>Utricularia bifida</i>			SL		2
plants	land plants	Lentibulariaceae	<i>Utricularia dichotoma subsp. fontana</i>			C		1/1
plants	land plants	Leucobryaceae	<i>Leucobryum aduncum</i>			C		2/2
plants	land plants	Leucobryaceae	<i>Leucobryum chlorophyllosum</i>			C		1/1

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plants	land plants	Linderniaceae	<i>Lindernia</i>					1/1
plants	land plants	Linderniaceae	<i>Lindernia procumbens</i>			C		1/1
plants	land plants	Lindsaeaceae	<i>Lindsaea microphylla</i>	lacy wedge fern		C		2/1
plants	land plants	Loganiaceae	<i>Logania albiflora</i>			C		4/2
plants	land plants	Loganiaceae	<i>Logania diffusa</i>			V	V	2/2
plants	land plants	Loganiaceae	<i>Mitrasacme alsinoides</i>			C		1/1
plants	land plants	Loganiaceae	<i>Mitrasacme paludosa</i>			C		4/4
plants	land plants	Loganiaceae	<i>Mitrasacme pygmaea</i>			C		1/1
plants	land plants	Loranthaceae	<i>Amyema congener subsp. rotundifolia</i>			C		1/1
plants	land plants	Loranthaceae	<i>Amyema miquelii</i>			C		1/1
plants	land plants	Loranthaceae	<i>Amyema quandang var. bancroftii</i>	broad-leaved grey mistletoe		C		2
plants	land plants	Loranthaceae	<i>Dendrophthoe glabrescens</i>			C		2/2
plants	land plants	Loranthaceae	<i>Lysiana</i>					1
plants	land plants	Loranthaceae	<i>Lysiana filifolia</i>			C		2/2
plants	land plants	Loranthaceae	<i>Lysiana subfalcata</i>			C		6/2
plants	land plants	Lygodiaceae	<i>Lygodium microphyllum</i>	snake fern		C		3/1
plants	land plants	Lythraceae	<i>Ammannia multiflora</i>	jerry-jerry		C		2/2
plants	land plants	Lythraceae	<i>Rotala</i>			C		1
plants	land plants	Lythraceae	<i>Rotala mexicana</i>			C		1/1
plants	land plants	Macarthuriaceae	<i>Macarthuria ephedroides</i>			C		10/8
plants	land plants	Malvaceae	<i>Abelmoschus ficulneus</i>	native rosella		C		2/2
plants	land plants	Malvaceae	<i>Abutilon</i>					1
plants	land plants	Malvaceae	<i>Abutilon auritum</i>	Chinese lantern		C		1
plants	land plants	Malvaceae	<i>Abutilon calliphyllum</i>	velvet lanternflower		C		1/1
plants	land plants	Malvaceae	<i>Abutilon fraseri</i>	dwarf lantern flower		C		1
plants	land plants	Malvaceae	<i>Abutilon fraseri subsp. fraseri</i>			C		1/1
plants	land plants	Malvaceae	<i>Abutilon guineense</i>		Y			1/1
plants	land plants	Malvaceae	<i>Abutilon malvifolium</i>	bastard marshmallow		C		3/1
plants	land plants	Malvaceae	<i>Abutilon nobile</i>			C		2/2
plants	land plants	Malvaceae	<i>Abutilon otoparpum</i>			C		1/1
plants	land plants	Malvaceae	<i>Abutilon oxycarpum</i>			C		3/1
plants	land plants	Malvaceae	<i>Abutilon oxycarpum var. incanum</i>			C		2/2
plants	land plants	Malvaceae	<i>Abutilon oxycarpum var. subsagittatum</i>			C		2
plants	land plants	Malvaceae	<i>Abutilon theophrasti</i>	velvet leaf	Y			1
plants	land plants	Malvaceae	<i>Gossypium australe</i>			C		1/1
plants	land plants	Malvaceae	<i>Gossypium hirsutum</i>		Y			1/1
plants	land plants	Malvaceae	<i>Gossypium sturtianum</i>			C		1/1
plants	land plants	Malvaceae	<i>Hibiscus divaricatus</i>			C		2/2
plants	land plants	Malvaceae	<i>Hibiscus heterophyllus</i>			C		1
plants	land plants	Malvaceae	<i>Hibiscus krichauffianus</i>			C		6/6
plants	land plants	Malvaceae	<i>Hibiscus meraukensis</i>	Merauke hibiscus		C		1/1
plants	land plants	Malvaceae	<i>Hibiscus sp. (Emerald S.L.Everist 2124)</i>			C		3/3
plants	land plants	Malvaceae	<i>Hibiscus sturtii</i>			C		6/3
plants	land plants	Malvaceae	<i>Hibiscus sturtii var. campylochlamys</i>			C		1/1
plants	land plants	Malvaceae	<i>Hibiscus sturtii var. sturtii</i>			C		2
plants	land plants	Malvaceae	<i>Hibiscus tridactylites</i>			C		1



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plants	land plants	Malvaceae	<i>Hibiscus verdcourtii</i>			C		3/3
plants	land plants	Malvaceae	<i>Malvaceae</i>					1
plants	land plants	Malvaceae	<i>Malvastrum americanum</i>		Y			13
plants	land plants	Malvaceae	<i>Malvastrum americanum var. americanum</i>		Y			1/1
plants	land plants	Malvaceae	<i>Malvastrum americanum var. stellatum</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida</i>					1
plants	land plants	Malvaceae	<i>Sida aprica var. aprica</i>			C		2/2
plants	land plants	Malvaceae	<i>Sida atherophora</i>			C		5/3
plants	land plants	Malvaceae	<i>Sida cordifolia</i>		Y			5/3
plants	land plants	Malvaceae	<i>Sida corrugata</i>			C		2
plants	land plants	Malvaceae	<i>Sida fibulifera</i>			C		2/2
plants	land plants	Malvaceae	<i>Sida hackettiana</i>			C		5/2
plants	land plants	Malvaceae	<i>Sida pleiantha</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida rhombifolia</i>		Y			8/1
plants	land plants	Malvaceae	<i>Sida rohlenae</i>			C		2
plants	land plants	Malvaceae	<i>Sida sp. (Charters Towers E.J.Thompson+ CHA456)</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida sp. (Musselbrook M.B.Thomas+ MRS437)</i>			C		3/2
plants	land plants	Malvaceae	<i>Sida spinosa</i>	spiny sida	Y			1/1
plants	land plants	Malvaceae	<i>Sida trichopoda</i>			C		9/1
plants	land plants	Marsileaceae	<i>Marsilea costulifera</i>	narrow-leaved nardoo		C		3/1
plants	land plants	Marsileaceae	<i>Marsilea hirsuta</i>	hairy nardoo		C		5
plants	land plants	Melastomataceae	<i>Melastoma malabathricum subsp. malabathricum</i>			C		1
plants	land plants	Meliaceae	<i>Melia azedarach</i>	white cedar		C		2
plants	land plants	Meliaceae	<i>Owenia acidula</i>	emu apple		C		7/1
plants	land plants	Menispermaceae	<i>Stephania japonica</i>			C		1
plants	land plants	Menyanthaceae	<i>Nymphoides aurantiaca</i>			SL		1/1
plants	land plants	Menyanthaceae	<i>Nymphoides geminata</i>			SL		1
plants	land plants	Molluginaceae	<i>Glinus lotoides</i>	hairy carpet weed		C		1/1
plants	land plants	Molluginaceae	<i>Glinus oppositifolius</i>			C		1/1
plants	land plants	Moraceae	<i>Ficus</i>					1
plants	land plants	Moraceae	<i>Ficus coronata</i>	creek sandpaper fig		C		3
plants	land plants	Moraceae	<i>Ficus opposita</i>			C		2
plants	land plants	Moraceae	<i>Ficus virens var. virens</i>			C		1/1
plants	land plants	Myrsinaceae	<i>Myrsine variabilis</i>			C		1/1
plants	land plants	Myrtaceae	<i>Angophora floribunda</i>	rough-barked apple		C		2
plants	land plants	Myrtaceae	<i>Angophora leiocarpa</i>	rusty gum		C		44/1
plants	land plants	Myrtaceae	<i>Baeckea trapeza</i>			V		4/4
plants	land plants	Myrtaceae	<i>Calytrix tetragona</i>	fringe myrtle		C		6/4
plants	land plants	Myrtaceae	<i>Corymbia</i>					2
plants	land plants	Myrtaceae	<i>Corymbia aureola</i>			C		2/2
plants	land plants	Myrtaceae	<i>Corymbia bunites</i>			C		58/8
plants	land plants	Myrtaceae	<i>Corymbia citriodora subsp. citriodora</i>			C		64
plants	land plants	Myrtaceae	<i>Corymbia citriodora subsp. variegata</i>			C		16
plants	land plants	Myrtaceae	<i>Corymbia clarksoniana</i>			C		5/1
plants	land plants	Myrtaceae	<i>Corymbia dallachiana</i>			C		5/1
plants	land plants	Myrtaceae	<i>Corymbia erythrophloia</i>	variable-barked bloodwood		C		15/2

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plants	land plants	Myrtaceae	<i>Corymbia hendersonii</i>			C		19/4
plants	land plants	Myrtaceae	<i>Corymbia intermedia</i>	pink bloodwood		C		13/1
plants	land plants	Myrtaceae	<i>Corymbia leichhardtii</i>	rustyjacket		C		4/4
plants	land plants	Myrtaceae	<i>Corymbia leichhardtii</i> x <i>Corymbia tessellaris</i>			C		1/1
plants	land plants	Myrtaceae	<i>Corymbia</i> sp. (Springsure M.I.Brooker 9786)			C		2/2
plants	land plants	Myrtaceae	<i>Corymbia tessellaris</i>	Moreton Bay ash		C		5
plants	land plants	Myrtaceae	<i>Corymbia trachyphloia</i> subsp. <i>trachyphloia</i>			C		2/1
plants	land plants	Myrtaceae	<i>Corymbia watsoniana</i>			C		1
plants	land plants	Myrtaceae	<i>Corymbia watsoniana</i> subsp. <i>capillata</i>			C		6/4
plants	land plants	Myrtaceae	<i>Corymbia watsoniana</i> subsp. <i>watsoniana</i>			C		2
plants	land plants	Myrtaceae	<i>Eucalyptus</i>					4/2
plants	land plants	Myrtaceae	<i>Eucalyptus acmenoides</i>			C		54/2
plants	land plants	Myrtaceae	<i>Eucalyptus baileyana</i>	Bailey's stringybark		C		16
plants	land plants	Myrtaceae	<i>Eucalyptus bakeri</i>	Baker's mallee		C		1/1
plants	land plants	Myrtaceae	<i>Eucalyptus caliginosa</i>	broad-leaved stringybark		C		18
plants	land plants	Myrtaceae	<i>Eucalyptus camaldulensis</i> subsp. <i>acuta</i>			C		2/1
plants	land plants	Myrtaceae	<i>Eucalyptus cambageana</i>	Dawson gum		C		6
plants	land plants	Myrtaceae	<i>Eucalyptus chloroclada</i>	Baradine red gum		C		3
plants	land plants	Myrtaceae	<i>Eucalyptus cloeziana</i>	Gympie messmate		C		6
plants	land plants	Myrtaceae	<i>Eucalyptus coolabah</i>	coolabah		C		18/2
plants	land plants	Myrtaceae	<i>Eucalyptus corynodes</i>			C		3/1
plants	land plants	Myrtaceae	<i>Eucalyptus crebra</i>	narrow-leaved red ironbark		C		22/2
plants	land plants	Myrtaceae	<i>Eucalyptus decorticans</i>			C		11/1
plants	land plants	Myrtaceae	<i>Eucalyptus eugenioides</i>			C		1
plants	land plants	Myrtaceae	<i>Eucalyptus exserta</i>	Queensland peppermint		C		4/3
plants	land plants	Myrtaceae	<i>Eucalyptus interstans</i>			C		3/3
plants	land plants	Myrtaceae	<i>Eucalyptus longirostrata</i>			C		6
plants	land plants	Myrtaceae	<i>Eucalyptus mediocris</i>			C		2/2
plants	land plants	Myrtaceae	<i>Eucalyptus melanoleuca</i>	Nanango ironbark		C		5/2
plants	land plants	Myrtaceae	<i>Eucalyptus melanophloia</i>			C		56
plants	land plants	Myrtaceae	<i>Eucalyptus melanophloia</i> x <i>Eucalyptus populnea</i>			C		1/1
plants	land plants	Myrtaceae	<i>Eucalyptus mensalis</i>			C		3/3
plants	land plants	Myrtaceae	<i>Eucalyptus orgadophila</i>	mountain coolibah		C		7/2
plants	land plants	Myrtaceae	<i>Eucalyptus populnea</i>	poplar box		C		7
plants	land plants	Myrtaceae	<i>Eucalyptus propinqua</i>	small-fruited grey gum		C		4/1
plants	land plants	Myrtaceae	<i>Eucalyptus sphaerocarpa</i>	Blackdown stringybark		C		106/5
plants	land plants	Myrtaceae	<i>Eucalyptus suffulgens</i>			C		29/6
plants	land plants	Myrtaceae	<i>Eucalyptus tenuipes</i>	narrow-leaved white mahogany		C		6/4
plants	land plants	Myrtaceae	<i>Eucalyptus tereticornis</i>			C		9
plants	land plants	Myrtaceae	<i>Eucalyptus tereticornis</i> subsp. <i>tereticornis</i>			C		8/1
plants	land plants	Myrtaceae	<i>Eucalyptus tholiformis</i>			C		3/3
plants	land plants	Myrtaceae	<i>Eucalyptus thozetiana</i>			C		2
plants	land plants	Myrtaceae	<i>Harmogia densifolia</i>			C		2/2
plants	land plants	Myrtaceae	<i>Homoranthus brevistylis</i>			CR		2/2
plants	land plants	Myrtaceae	<i>Homoranthus decasetus</i>			C		2/1
plants	land plants	Myrtaceae	<i>Kunzea opposita</i>			C		1

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plants	land plants	Myrtaceae	<i>Kunzea opposita</i> var. <i>leichhardtii</i>			C		2/2
plants	land plants	Myrtaceae	<i>Leptospermum</i>					3/1
plants	land plants	Myrtaceae	<i>Leptospermum brachyandrum</i>	weeping tea-tree		C		6/3
plants	land plants	Myrtaceae	<i>Leptospermum lamellatum</i>			C		27/2
plants	land plants	Myrtaceae	<i>Leptospermum polygalifolium</i>	tantoon		C		7/1
plants	land plants	Myrtaceae	<i>Leptospermum sericatum</i>			C		6/5
plants	land plants	Myrtaceae	<i>Lophostemon confertus</i>	brush box		C		5/1
plants	land plants	Myrtaceae	<i>Lophostemon grandiflorus</i>			C		2
plants	land plants	Myrtaceae	<i>Lophostemon suaveolens</i>	swamp box		C		29/1
plants	land plants	Myrtaceae	<i>Lysicarpus angustifolius</i>	budgeroo		C		50/3
plants	land plants	Myrtaceae	<i>Melaleuca</i>					4/3
plants	land plants	Myrtaceae	<i>Melaleuca bracteata</i>			C		11/2
plants	land plants	Myrtaceae	<i>Melaleuca decora</i>			C		2/1
plants	land plants	Myrtaceae	<i>Melaleuca groveana</i>			NT		3/3
plants	land plants	Myrtaceae	<i>Melaleuca hemisticta</i>			C		1/1
plants	land plants	Myrtaceae	<i>Melaleuca lazaridis</i>			C		7/7
plants	land plants	Myrtaceae	<i>Melaleuca linariifolia</i>	snow-in summer		C		4/1
plants	land plants	Myrtaceae	<i>Melaleuca montis-zamiae</i>			C		2/2
plants	land plants	Myrtaceae	<i>Melaleuca nodosa</i>			C		1/1
plants	land plants	Myrtaceae	<i>Melaleuca pearsonii</i>			NT		10/10
plants	land plants	Myrtaceae	<i>Melaleuca tamariscina</i>			C		4/4
plants	land plants	Myrtaceae	<i>Melaleuca trichostachya</i>			C		6/3
plants	land plants	Myrtaceae	<i>Melaleuca uncinata</i>			C		1
plants	land plants	Myrtaceae	<i>Melaleuca viminalis</i>			C		3/3
plants	land plants	Myrtaceae	<i>Micromyrtus capricornia</i>			C		14/12
plants	land plants	Myrtaceae	<i>Micromyrtus gracilis</i>			C		1/1
plants	land plants	Myrtaceae	<i>Ochrosperma adpressum</i>			C		1/1
plants	land plants	Myrtaceae	<i>Ochrosperma obovatum</i>			V		4/4
plants	land plants	Myrtaceae	<i>Sannantha brachypoda</i>			V		5/4
plants	land plants	Myrtaceae	<i>Syncarpia glomulifera</i> subsp. <i>glomulifera</i>			C		5/3
plants	land plants	Myrtaceae	<i>Triplarina paludosa</i>			C		11/8
plants	land plants	Nyctaginaceae	<i>Boerhavia</i>					5/1
plants	land plants	Nyctaginaceae	<i>Boerhavia burbidgeana</i>			C		1/1
plants	land plants	Nyctaginaceae	<i>Boerhavia dominii</i>			C		6
plants	land plants	Nyctaginaceae	<i>Boerhavia paludosa</i>			C		1/1
plants	land plants	Nyctaginaceae	<i>Boerhavia pubescens</i>			C		2/1
plants	land plants	Nyctaginaceae	<i>Boerhavia</i> sp. (St George A.Hill AQ399299)			C		1/1
plants	land plants	Olacaceae	<i>Olax stricta</i>			C		2/1
plants	land plants	Olacaceae	<i>Ximenia americana</i>			C		1/1
plants	land plants	Oleaceae	<i>Jasminum</i>					1
plants	land plants	Oleaceae	<i>Jasminum didymum</i>			C		3
plants	land plants	Oleaceae	<i>Jasminum didymum</i> subsp. <i>lineare</i>			C		11/1
plants	land plants	Oleaceae	<i>Jasminum didymum</i> subsp. <i>racemosum</i>			C		2
plants	land plants	Oleaceae	<i>Jasminum simplicifolium</i> subsp. <i>australiense</i>			C		3/3
plants	land plants	Oleaceae	<i>Notelaea microcarpa</i>			C		3/1
plants	land plants	Oleaceae	<i>Notelaea punctata</i>			C		3

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plants	land plants	Oleaceae	<i>Notelaea sp. (Barakula A.R.Bean 7553)</i>			C		4/3
plants	land plants	Onagraceae	<i>Ludwigia octovalvis</i>	willow primrose		C		1
plants	land plants	Ophioglossaceae	<i>Ophioglossum reticulatum</i>			C		2/1
plants	land plants	Orchidaceae	<i>Caleana major</i>	flying duck orchid		SL		1
plants	land plants	Orchidaceae	<i>Calochilus campestris</i>	copper beard orchid		SL		1/1
plants	land plants	Orchidaceae	<i>Chiloglottis trullata</i>			SL		2/2
plants	land plants	Orchidaceae	<i>Corunastylis valida</i>			V		1/1
plants	land plants	Orchidaceae	<i>Cymbidium canaliculatum</i>			SL		6
plants	land plants	Orchidaceae	<i>Dendrobium speciosum</i>			SL		1/1
plants	land plants	Oxalidaceae	<i>Oxalis</i>					1
plants	land plants	Oxalidaceae	<i>Oxalis corniculata</i>		Y			1/1
plants	land plants	Oxalidaceae	<i>Oxalis exilis</i>			C		2/2
plants	land plants	Oxalidaceae	<i>Oxalis perennans</i>			C		3/3
plants	land plants	Oxalidaceae	<i>Oxalis radicata</i>			C		1/1
plants	land plants	Papaveraceae	<i>Argemone ochroleuca</i>		Y			1
plants	land plants	Passifloraceae	<i>Passiflora aurantia var. aurantia</i>			C		1/1
plants	land plants	Pedaliaceae	<i>Josephinia eugeniae</i>	josephinia burr		C		1/1
plants	land plants	Pentapetaceae	<i>Melhania oblongifolia</i>			C		3/3
plants	land plants	Philydraceae	<i>Philydrum lanuginosum</i>	frogsmouth		C		5/1
plants	land plants	Phrymaceae	<i>Glossostigma diandrum</i>			C		3/3
plants	land plants	Phrymaceae	<i>Peplidium foecundum</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Breynia oblongifolia</i>			C		5/1
plants	land plants	Phyllanthaceae	<i>Bridelia leichhardtii</i>			C		1
plants	land plants	Phyllanthaceae	<i>Flueggea</i>					1
plants	land plants	Phyllanthaceae	<i>Flueggea leucopyrus</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus</i>					2/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus carpentariae</i>			C		4/4
plants	land plants	Phyllanthaceae	<i>Phyllanthus lacunarius</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus maderaspatensis</i>			C		9/5
plants	land plants	Phyllanthaceae	<i>Phyllanthus maderaspatensis var. maderaspatensis</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus mitchellii</i>			C		12/8
plants	land plants	Phyllanthaceae	<i>Phyllanthus simplex</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus sp. (Pentland R.J.Cumming 9742)</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus virgatus</i>			C		9/5
plants	land plants	Phyllanthaceae	<i>Poranthera microphylla</i>	small poranthera		C		3/2
plants	land plants	Phyllanthaceae	<i>Poranthera obovata</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Synostemon ramosissimus</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Synostemon rhytidospermus</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Synostemon spinosus</i>			C		3/3
plants	land plants	Picrodendraceae	<i>Petalostigma pachyphyllum</i>			C		10/4
plants	land plants	Picrodendraceae	<i>Petalostigma pubescens</i>	quinine tree		C		13/1
plants	land plants	Picrodendraceae	<i>Pseudanthus orientalis</i>			C		1/1
plants	land plants	Picrodendraceae	<i>Pseudanthus pauciflorus subsp. arenicola</i>			NT		3/2
plants	land plants	Pittosporaceae	<i>Bursaria incana</i>			C		3/2
plants	land plants	Pittosporaceae	<i>Pittosporum angustifolium</i>			C		1
plants	land plants	Pittosporaceae	<i>Pittosporum spinescens</i>			C		6/1

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plants	land plants	Pittosporaceae	<i>Rhytidosporum diosmoides</i>			C		1/1
plants	land plants	Plantaginaceae	<i>Callitriche sonderi</i>			C		1/1
plants	land plants	Plantaginaceae	<i>Gratiola pedunculata</i>			C		1
plants	land plants	Plantaginaceae	<i>Scoparia dulcis</i>	scoparia	Y			2
plants	land plants	Plantaginaceae	<i>Veronica plebeia</i>	trailing speedwell		C		1/1
plants	land plants	Plumbaginaceae	<i>Plumbago zeylanica</i>	native plumbago		C		2
plants	land plants	Poaceae	<i>Alloteropsis cimicina</i>			C		4/4
plants	land plants	Poaceae	<i>Alloteropsis semialata</i>	cockatoo grass		C		1
plants	land plants	Poaceae	<i>Ancistrachne uncinulata</i>	hooky grass		C		3/3
plants	land plants	Poaceae	<i>Anthosachne plurinervis</i>			C		2/2
plants	land plants	Poaceae	<i>Aristida</i>					3
plants	land plants	Poaceae	<i>Aristida acuta</i>			C		1
plants	land plants	Poaceae	<i>Aristida annua</i>			V	V	1/1
plants	land plants	Poaceae	<i>Aristida benthamii</i> var. <i>benthamii</i>			C		2/2
plants	land plants	Poaceae	<i>Aristida calycina</i>			C		3
plants	land plants	Poaceae	<i>Aristida calycina</i> var. <i>calycina</i>			C		3/1
plants	land plants	Poaceae	<i>Aristida caput-medusae</i>			C		10/3
plants	land plants	Poaceae	<i>Aristida echinata</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida holathera</i>			C		1
plants	land plants	Poaceae	<i>Aristida holathera</i> var. <i>holathera</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida jerichoensis</i> var. <i>jerichoensis</i>			C		3/2
plants	land plants	Poaceae	<i>Aristida jerichoensis</i> var. <i>subspinulifera</i>			C		7/1
plants	land plants	Poaceae	<i>Aristida latifolia</i>	feathertop wiregrass		C		6/4
plants	land plants	Poaceae	<i>Aristida lazaridis</i>			C		2/2
plants	land plants	Poaceae	<i>Aristida leptopoda</i>	white speargrass		C		7/2
plants	land plants	Poaceae	<i>Aristida lignosa</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida personata</i>			C		4/1
plants	land plants	Poaceae	<i>Aristida polyclados</i>			C		3
plants	land plants	Poaceae	<i>Aristida queenslandica</i>			C		2
plants	land plants	Poaceae	<i>Aristida queenslandica</i> var. <i>dissimilis</i>			C		5/4
plants	land plants	Poaceae	<i>Aristida queenslandica</i> var. <i>queenslandica</i>			C		2
plants	land plants	Poaceae	<i>Aristida ramosa</i>	purple wiregrass		C		7/2
plants	land plants	Poaceae	<i>Aristida vagans</i>			C		3
plants	land plants	Poaceae	<i>Arundinella nepalensis</i>	reedgrass		C		7/1
plants	land plants	Poaceae	<i>Astrebla squarrosa</i>	bull mitchell grass		C		4/1
plants	land plants	Poaceae	<i>Austrostipa verticillata</i>	slender bamboo grass		C		1
plants	land plants	Poaceae	<i>Avena ludoviciana</i>		Y			1/1
plants	land plants	Poaceae	<i>Bothriochloa</i>					2
plants	land plants	Poaceae	<i>Bothriochloa bladhii</i> subsp. <i>bladhii</i>			C		3/2
plants	land plants	Poaceae	<i>Bothriochloa decipiens</i> var. <i>decipiens</i>			C		3/1
plants	land plants	Poaceae	<i>Bothriochloa erianthoides</i>	satintop grass		C		9/5
plants	land plants	Poaceae	<i>Bothriochloa ewartiana</i>	desert bluegrass		C		8/1
plants	land plants	Poaceae	<i>Bothriochloa pertusa</i>		Y			4/1
plants	land plants	Poaceae	<i>Brachyachne convergens</i>	common native couch		C		6/2
plants	land plants	Poaceae	<i>Brachyachne tenella</i>			C		1/1
plants	land plants	Poaceae	<i>Calyptochloa gracillima</i> subsp. <i>gracillima</i>			C		1/1

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plants	land plants	Poaceae	<i>Calyptochloa sphaerocarpa</i>			C		6/6
plants	land plants	Poaceae	<i>Capillipedium spicigerum</i>	spicytop		C		1
plants	land plants	Poaceae	<i>Cenchrus</i>					1
plants	land plants	Poaceae	<i>Cenchrus ciliaris</i>		Y			22/3
plants	land plants	Poaceae	<i>Cenchrus polystachios</i>		Y			1/1
plants	land plants	Poaceae	<i>Cenchrus purpureus</i>		Y			1/1
plants	land plants	Poaceae	<i>Chloris divaricata var. divaricata</i>	slender chloris		C		4/3
plants	land plants	Poaceae	<i>Chloris gayana</i>	rhodes grass	Y			1
plants	land plants	Poaceae	<i>Chloris inflata</i>	purpletop chloris	Y			2
plants	land plants	Poaceae	<i>Chloris ventricosa</i>	tall chloris		C		9/3
plants	land plants	Poaceae	<i>Chloris virgata</i>	feathertop rhodes grass	Y			2/1
plants	land plants	Poaceae	<i>Chrysopogon fallax</i>			C		1
plants	land plants	Poaceae	<i>Chrysopogon sylvaticus</i>			C		1
plants	land plants	Poaceae	<i>Cleistochloa subjuncea</i>			C		5/2
plants	land plants	Poaceae	<i>Cymbopogon bombycinus</i>	silky oilgrass		C		3/1
plants	land plants	Poaceae	<i>Cymbopogon obtectus</i>			C		1
plants	land plants	Poaceae	<i>Cymbopogon refractus</i>	barbed-wire grass		C		15/2
plants	land plants	Poaceae	<i>Cynodon dactylon</i>		Y			5
plants	land plants	Poaceae	<i>Dactyloctenium australe</i>	sweet smother grass	Y			1
plants	land plants	Poaceae	<i>Dactyloctenium radulans</i>	button grass		C		8/1
plants	land plants	Poaceae	<i>Dichanthium annulatum</i>	sheda grass	Y			1/1
plants	land plants	Poaceae	<i>Dichanthium aristatum</i>	angleton grass	Y			3/3
plants	land plants	Poaceae	<i>Dichanthium fecundum</i>	curly bluegrass		C		2/2
plants	land plants	Poaceae	<i>Dichanthium queenslandicum</i>			V	E	16/15
plants	land plants	Poaceae	<i>Dichanthium sericeum</i>			C		2
plants	land plants	Poaceae	<i>Dichanthium sericeum subsp. humilius</i>			C		2/2
plants	land plants	Poaceae	<i>Dichanthium sericeum subsp. sericeum</i>			C		8/2
plants	land plants	Poaceae	<i>Dichanthium setosum</i>			C	V	6/6
plants	land plants	Poaceae	<i>Dichelachne montana</i>			C		1/1
plants	land plants	Poaceae	<i>Digitaria</i>					2
plants	land plants	Poaceae	<i>Digitaria ammophila</i>	silky umbrella grass		C		1/1
plants	land plants	Poaceae	<i>Digitaria bicornis</i>			C		1/1
plants	land plants	Poaceae	<i>Digitaria breviglumis</i>			C		2
plants	land plants	Poaceae	<i>Digitaria brownii</i>			C		5/1
plants	land plants	Poaceae	<i>Digitaria diffusa</i>			C		3/1
plants	land plants	Poaceae	<i>Digitaria diminuta</i>			C		1/1
plants	land plants	Poaceae	<i>Digitaria divaricatissima</i>	spreading umbrella grass		C		5/3
plants	land plants	Poaceae	<i>Digitaria divaricatissima var. divaricatissima</i>			C		4/4
plants	land plants	Poaceae	<i>Digitaria leucostachya</i>			C		2
plants	land plants	Poaceae	<i>Digitaria orbata</i>			C		1/1
plants	land plants	Poaceae	<i>Digitaria parviflora</i>			C		1
plants	land plants	Poaceae	<i>Digitaria porrecta</i>			NT		10/10
plants	land plants	Poaceae	<i>Dimorphochloa rigida</i>			C		1/1
plants	land plants	Poaceae	<i>Dinebra decipiens var. asthenes</i>			C		5/3
plants	land plants	Poaceae	<i>Dinebra decipiens var. decipiens</i>			C		5/2
plants	land plants	Poaceae	<i>Diplachne fusca var. fusca</i>			C		2/1

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plants	land plants	Poaceae	<i>Echinochloa</i>					1
plants	land plants	Poaceae	<i>Echinochloa colona</i>	awnless barnyard grass	Y			5/2
plants	land plants	Poaceae	<i>Enneapogon cylindricus</i>	jointed nineawn		C		4
plants	land plants	Poaceae	<i>Enneapogon gracilis</i>	slender nineawn		C		5/1
plants	land plants	Poaceae	<i>Enneapogon lindleyanus</i>			C		7/3
plants	land plants	Poaceae	<i>Enneapogon nigricans</i>	niggerheads		C		2
plants	land plants	Poaceae	<i>Enneapogon pallidus</i>	conetop nineawn		C		1/1
plants	land plants	Poaceae	<i>Enneapogon polyphyllus</i>	leafy nineawn		C		1/1
plants	land plants	Poaceae	<i>Enneapogon purpurascens</i>			C		2/1
plants	land plants	Poaceae	<i>Enneapogon truncatus</i>			C		1/1
plants	land plants	Poaceae	<i>Enneapogon virens</i>			C		1
plants	land plants	Poaceae	<i>Enteropogon acicularis</i>	curly windmill grass		C		4
plants	land plants	Poaceae	<i>Enteropogon minutus</i>			C		1/1
plants	land plants	Poaceae	<i>Enteropogon ramosus</i>			C		2/2
plants	land plants	Poaceae	<i>Enteropogon unispiceus</i>			C		9/1
plants	land plants	Poaceae	<i>Entolasia stricta</i>	wiry panic		C		6
plants	land plants	Poaceae	<i>Eragrostis</i>					1/1
plants	land plants	Poaceae	<i>Eragrostis basedowii</i>			C		1
plants	land plants	Poaceae	<i>Eragrostis brownii</i>	Brown's lovegrass		C		6/1
plants	land plants	Poaceae	<i>Eragrostis elongata</i>			C		1
plants	land plants	Poaceae	<i>Eragrostis lacunaria</i>	purple lovegrass		C		5/1
plants	land plants	Poaceae	<i>Eragrostis leptostachya</i>			C		3/1
plants	land plants	Poaceae	<i>Eragrostis megalosperma</i>			C		3/2
plants	land plants	Poaceae	<i>Eragrostis minor</i>	smaller stinkgrass	Y			1
plants	land plants	Poaceae	<i>Eragrostis sororia</i>			C		6/2
plants	land plants	Poaceae	<i>Eragrostis trichophora</i>		Y			3/3
plants	land plants	Poaceae	<i>Eremochloa bimaculata</i>	poverty grass		C		2
plants	land plants	Poaceae	<i>Eriachne glabrata</i>			C		1
plants	land plants	Poaceae	<i>Eriachne mucronata forma (Alpha C.E.Hubbard 7882)</i>			C		3/3
plants	land plants	Poaceae	<i>Eriachne pallescens</i>			C		1/1
plants	land plants	Poaceae	<i>Eriachne pallescens var. pallescens</i>			C		2/1
plants	land plants	Poaceae	<i>Eriachne stipacea</i>			C		1
plants	land plants	Poaceae	<i>Eriochloa</i>					1
plants	land plants	Poaceae	<i>Eriochloa crebra</i>	spring grass		C		8/3
plants	land plants	Poaceae	<i>Eriochloa fatmensis</i>			C		1
plants	land plants	Poaceae	<i>Eriochloa procera</i>	slender cupgrass		C		3/3
plants	land plants	Poaceae	<i>Eriochloa pseudoacrotricha</i>			C		5/5
plants	land plants	Poaceae	<i>Eulalia aurea</i>	silky browntop		C		5/1
plants	land plants	Poaceae	<i>Heteropogon contortus</i>	black speargrass		C		14/2
plants	land plants	Poaceae	<i>Hyparrhenia hirta</i>	coolati grass	Y			1
plants	land plants	Poaceae	<i>Hyparrhenia rufa subsp. rufa</i>		Y			2/2
plants	land plants	Poaceae	<i>Imperata cylindrica</i>	blady grass		C		3
plants	land plants	Poaceae	<i>Isachne globosa</i>	swamp millet		C		1
plants	land plants	Poaceae	<i>Ischaemum australe</i>			C		2
plants	land plants	Poaceae	<i>Iseilema macratherum</i>			C		1/1
plants	land plants	Poaceae	<i>Iseilema membranaceum</i>	small flinders grass		C		2/2

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plants	land plants	Poaceae	<i>Iseilema vaginiflorum</i>	red flinders grass		C		6/2
plants	land plants	Poaceae	<i>Leptochloa digitata</i>			C		9/3
plants	land plants	Poaceae	<i>Megathyrsus maximus var. pubiglumis</i>		Y			13/3
plants	land plants	Poaceae	<i>Melinis repens</i>	red natal grass	Y			6/1
plants	land plants	Poaceae	<i>Moorochloa eruciformis</i>		Y			4/4
plants	land plants	Poaceae	<i>Ophiuros exaltatus</i>			C		1/1
plants	land plants	Poaceae	<i>Panicum</i>					1
plants	land plants	Poaceae	<i>Panicum decompositum var. decompositum</i>			C		8/3
plants	land plants	Poaceae	<i>Panicum decompositum var. tenuius</i>			C		2
plants	land plants	Poaceae	<i>Panicum effusum</i>			C		9/2
plants	land plants	Poaceae	<i>Panicum larcomianum</i>			C		1
plants	land plants	Poaceae	<i>Panicum queenslandicum var. acuminatum</i>			C		1/1
plants	land plants	Poaceae	<i>Panicum queenslandicum var. queenslandicum</i>			C		6/1
plants	land plants	Poaceae	<i>Paspalidium</i>					6
plants	land plants	Poaceae	<i>Paspalidium caespitosum</i>	brigalow grass		C		9/1
plants	land plants	Poaceae	<i>Paspalidium constrictum</i>			C		3/2
plants	land plants	Poaceae	<i>Paspalidium criniforme</i>			C		6/5
plants	land plants	Poaceae	<i>Paspalidium distans</i>	shotgrass		C		2/1
plants	land plants	Poaceae	<i>Paspalidium globoideum</i>	sago grass		C		6/2
plants	land plants	Poaceae	<i>Paspalidium gracile</i>	slender panic		C		1
plants	land plants	Poaceae	<i>Paspalidium jubiflorum</i>	warrego grass		C		1/1
plants	land plants	Poaceae	<i>Paspalum</i>					3
plants	land plants	Poaceae	<i>Paspalum distichum</i>	water couch	Y			1
plants	land plants	Poaceae	<i>Paspalum longifolium</i>			C		2/1
plants	land plants	Poaceae	<i>Paspalum scrobiculatum</i>	ditch millet		C		1
plants	land plants	Poaceae	<i>Perotis rara</i>	comet grass		C		4/2
plants	land plants	Poaceae	<i>Poaceae</i>					2
plants	land plants	Poaceae	<i>Rytidosperma</i>					1
plants	land plants	Poaceae	<i>Sacciolepis indica</i>	Indian cupscale grass		C		1
plants	land plants	Poaceae	<i>Sarga leiocladum</i>			C		2/2
plants	land plants	Poaceae	<i>Schizachyrium fragile</i>	firegrass		C		1/1
plants	land plants	Poaceae	<i>Setaria incrassata</i>		Y			2/2
plants	land plants	Poaceae	<i>Setaria paspalidioides</i>			C		2/2
plants	land plants	Poaceae	<i>Setaria surgens</i>			C		7/3
plants	land plants	Poaceae	<i>Sorghum bicolor</i>	forage sorghum	Y			3/2
plants	land plants	Poaceae	<i>Sorghum halepense</i>	Johnson grass	Y			1/1
plants	land plants	Poaceae	<i>Sorghum x alnum</i>		Y			4/4
plants	land plants	Poaceae	<i>Sporobolus australasicus</i>			C		1
plants	land plants	Poaceae	<i>Sporobolus caroli</i>	fairy grass		C		10/1
plants	land plants	Poaceae	<i>Sporobolus creber</i>			C		7/3
plants	land plants	Poaceae	<i>Sporobolus elongatus</i>			C		3
plants	land plants	Poaceae	<i>Sporobolus mitchellii</i>	rat's tail couch		C		1/1
plants	land plants	Poaceae	<i>Sporobolus scabridus</i>			C		3/3
plants	land plants	Poaceae	<i>Thellungia advena</i>	coolibah grass		C		2/2
plants	land plants	Poaceae	<i>Themeda avenacea</i>			C		2/1
plants	land plants	Poaceae	<i>Themeda triandra</i>	kangaroo grass		C		13/1



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plants	land plants	Poaceae	<i>Thyridolepis xerophila</i>			C		3/3
plants	land plants	Poaceae	<i>Tragus australianus</i>	small burr grass		C		8/3
plants	land plants	Poaceae	<i>Triodia mitchellii</i>	buck spinifex		C		12/8
plants	land plants	Poaceae	<i>Triodia pungens</i>			C		2/2
plants	land plants	Poaceae	<i>Tripogon loliiformis</i>	five minute grass		C		1/1
plants	land plants	Poaceae	<i>Urochloa mosambicensis</i>	sabi grass	Y			5
plants	land plants	Poaceae	<i>Urochloa panicoides</i> var. <i>panicoides</i>		Y			3/3
plants	land plants	Poaceae	<i>Urochloa piligera</i>			C		1/1
plants	land plants	Poaceae	<i>Walwhalleya subxerophila</i>			C		1/1
plants	land plants	Polygalaceae	<i>Comesperma</i>					1
plants	land plants	Polygalaceae	<i>Comesperma patentifolium</i>			C		7/5
plants	land plants	Polygalaceae	<i>Comesperma sphaerocarpum</i>			C		3/1
plants	land plants	Polygalaceae	<i>Polygala triflora</i>			C		2/2
plants	land plants	Polygonaceae	<i>Duma florulenta</i>			C		4/2
plants	land plants	Polygonaceae	<i>Polygonum plebeium</i>	small knotweed		C		3/2
plants	land plants	Polygonaceae	<i>Rumex brownii</i>	swamp dock		C		1/1
plants	land plants	Polypodiaceae	<i>Platycerium veitchii</i>	silver elkhorn		SL		1
plants	land plants	Pontederiaceae	<i>Monochoria cyanea</i>			C		3/2
plants	land plants	Portulacaceae	<i>Calandrinia pickeringii</i>			C		1/1
plants	land plants	Portulacaceae	<i>Portulaca australis</i>			C		1/1
plants	land plants	Portulacaceae	<i>Portulaca bicolor</i>			C		4/3
plants	land plants	Portulacaceae	<i>Portulaca filifolia</i>			C		6/2
plants	land plants	Portulacaceae	<i>Portulaca oleracea</i>	pigweed	Y			8
plants	land plants	Portulacaceae	<i>Portulaca pilosa</i>		Y			2
plants	land plants	Pottiaceae	<i>Trichostomum</i>					1/1
plants	land plants	Proteaceae	<i>Banksia integrifolia</i> subsp. <i>integrifolia</i>			C		1
plants	land plants	Proteaceae	<i>Banksia oblongifolia</i>	dwarf banksia		C		5
plants	land plants	Proteaceae	<i>Banksia spinulosa</i>			C		4
plants	land plants	Proteaceae	<i>Banksia spinulosa</i> var. <i>spinulosa</i>			C		1/1
plants	land plants	Proteaceae	<i>Grevillea</i>					1
plants	land plants	Proteaceae	<i>Grevillea cyranostigma</i>			C		1/1
plants	land plants	Proteaceae	<i>Grevillea floribunda</i> subsp. <i>floribunda</i>			C		2/2
plants	land plants	Proteaceae	<i>Grevillea longistyla</i>			C		5/5
plants	land plants	Proteaceae	<i>Grevillea parallela</i>			C		1/1
plants	land plants	Proteaceae	<i>Grevillea sessilis</i>			C		6/4
plants	land plants	Proteaceae	<i>Grevillea singuliflora</i>			C		4/1
plants	land plants	Proteaceae	<i>Hakea</i>					1
plants	land plants	Proteaceae	<i>Hakea benthamii</i>			C		5/2
plants	land plants	Proteaceae	<i>Hakea lorea</i>			C		1
plants	land plants	Proteaceae	<i>Hakea lorea</i> subsp. <i>lorea</i>			C		5/5
plants	land plants	Proteaceae	<i>Hakea purpurea</i>			C		2/2
plants	land plants	Proteaceae	<i>Lomatia silaifolia</i>	crinkle bush		C		4
plants	land plants	Proteaceae	<i>Persoonia falcata</i>			C		7
plants	land plants	Proteaceae	<i>Persoonia subtilis</i>			C		5/4
plants	land plants	Proteaceae	<i>Persoonia terminalis</i> subsp. <i>recurva</i>			C		1/1
plants	land plants	Proteaceae	<i>Petrophile canescens</i>			C		4/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Proteaceae	<i>Stenocarpus salignus</i>	scrub beefwood		C		3/3
plants	land plants	Proteaceae	<i>Xylomelum cunninghamianum</i>			C		6
plants	land plants	Pteridaceae	<i>Cheilanthes</i>					1
plants	land plants	Pteridaceae	<i>Cheilanthes distans</i>	bristly cloak fern		C		1
plants	land plants	Pteridaceae	<i>Cheilanthes sieberi subsp. sieberi</i>			C		2/1
plants	land plants	Pteridaceae	<i>Pellaea</i>					1/1
plants	land plants	Ranunculaceae	<i>Clematis glycinoides</i>			C		1/1
plants	land plants	Restionaceae	<i>Baloskion pallens</i>			C		2/1
plants	land plants	Rhamnaceae	<i>Alphitonia excelsa</i>	soap tree		C		8
plants	land plants	Rhamnaceae	<i>Cryptandra propinqua</i>			C		1/1
plants	land plants	Rhamnaceae	<i>Polianthion minutiflorum</i>			V	V	2/2
plants	land plants	Rhamnaceae	<i>Pomaderris lanigera</i>			C		1
plants	land plants	Rhamnaceae	<i>Ventilago viminalis</i>	supplejack		C		8/2
plants	land plants	Rubiaceae	<i>Asperula conferta</i>			C		1/1
plants	land plants	Rubiaceae	<i>Coelospermum reticulatum</i>			C		2/1
plants	land plants	Rubiaceae	<i>Dentella repens</i>	dentella		C		1/1
plants	land plants	Rubiaceae	<i>Dolichocarpa coerulescens</i>			C		3/3
plants	land plants	Rubiaceae	<i>Everistia vacciniifolia var. vacciniifolia</i>			C		5/5
plants	land plants	Rubiaceae	<i>Larsenaikia ochreata</i>			C		2/2
plants	land plants	Rubiaceae	<i>Opercularia diphylla</i>			C		1/1
plants	land plants	Rubiaceae	<i>Paranotis mitrasacmoides subsp. trachymenoides</i>			C		2/2
plants	land plants	Rubiaceae	<i>Pomax umbellata</i>			C		6/2
plants	land plants	Rubiaceae	<i>Psychotria</i>					1
plants	land plants	Rubiaceae	<i>Psychotria daphnoides</i>			C		1
plants	land plants	Rubiaceae	<i>Psydrax forsteri</i>			C		2/2
plants	land plants	Rubiaceae	<i>Psydrax johnsonii</i>			C		2
plants	land plants	Rubiaceae	<i>Psydrax odorata</i>			C		4
plants	land plants	Rubiaceae	<i>Psydrax odorata forma buxifolia</i>			C		2
plants	land plants	Rubiaceae	<i>Psydrax odorata forma subnitida</i>			C		2/2
plants	land plants	Rubiaceae	<i>Psydrax odorata subsp. australiana</i>			C		1/1
plants	land plants	Rubiaceae	<i>Psydrax oleifolia</i>			C		1
plants	land plants	Rubiaceae	<i>Richardia brasiliensis</i>	white eye	Y			1/1
plants	land plants	Rubiaceae	<i>Scleromitron galioides</i>			C		1/1
plants	land plants	Rubiaceae	<i>Spermacoce</i>					1
plants	land plants	Rubiaceae	<i>Spermacoce brachystema</i>			C		3/3
plants	land plants	Rubiaceae	<i>Spermacoce multicaulis</i>			C		2/2
plants	land plants	Rubiaceae	<i>Spermacoce sp. (Dislyn A.R.Bean 14098)</i>			C		2/2
plants	land plants	Rubiaceae	<i>Synaptantha tillaeacea var. tillaeacea</i>			C		1/1
plants	land plants	Rutaceae	<i>Acronychia pauciflora</i>	soft acronychia		C		1/1
plants	land plants	Rutaceae	<i>Boronia</i>					1
plants	land plants	Rutaceae	<i>Boronia duiganiae</i>			C		8/8
plants	land plants	Rutaceae	<i>Boronia obovata</i>			C		30/21
plants	land plants	Rutaceae	<i>Boronia odorata</i>			C		1/1
plants	land plants	Rutaceae	<i>Boronia splendida</i>			C		2/2
plants	land plants	Rutaceae	<i>Citrus glauca</i>			C		8/4
plants	land plants	Rutaceae	<i>Cyanothamnus bipinnatus</i>			C		3/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Rutaceae	<i>Cyanothamnus occidentalis</i>			C		3/3
plants	land plants	Rutaceae	<i>Dinosperma erythrococtum</i>			C		1/1
plants	land plants	Rutaceae	<i>Flindersia dissosperma</i>			C		7/5
plants	land plants	Rutaceae	<i>Geijera parviflora</i>	wilga		C		16/4
plants	land plants	Rutaceae	<i>Geijera salicifolia</i>	brush wilga		C		1
plants	land plants	Rutaceae	<i>Phebalium glandulosum subsp. glandulosum</i>			C		2/2
plants	land plants	Rutaceae	<i>Phebalium nottii</i>	pink phebalium		C		6/3
plants	land plants	Rutaceae	<i>Phebalium woombye</i>	wallum phebalium		C		1/1
plants	land plants	Rutaceae	<i>Philotheca difformis subsp. difformis</i>			C		10/9
plants	land plants	Rutaceae	<i>Zieria aspalathoides subsp. aspalathoides</i>			C		3/3
plants	land plants	Rutaceae	<i>Zieria fraseri subsp. robusta</i>			C		1/1
plants	land plants	Rutaceae	<i>Zieria smithii</i>			C		1/1
plants	land plants	Salviniaceae	<i>Azolla</i>					1
plants	land plants	Santalaceae	<i>Exocarpos cupressiformis</i>	native cherry		C		1
plants	land plants	Santalaceae	<i>Santalum lanceolatum</i>			SL		7/2
plants	land plants	Sapindaceae	<i>Alectryon connatus</i>	grey birds-eye		C		1
plants	land plants	Sapindaceae	<i>Alectryon diversifolius</i>	scrub boonaree		C		16/1
plants	land plants	Sapindaceae	<i>Alectryon oleifolius subsp. elongatus</i>			C		4
plants	land plants	Sapindaceae	<i>Atalaya hemiglauca</i>			C		11
plants	land plants	Sapindaceae	<i>Cardiospermum halicacabum var. halicacabum</i>		Y			1/1
plants	land plants	Sapindaceae	<i>Dodonaea</i>					5/3
plants	land plants	Sapindaceae	<i>Dodonaea filifolia</i>			C		4/1
plants	land plants	Sapindaceae	<i>Dodonaea lanceolata var. subsessilifolia</i>			C		1/1
plants	land plants	Sapindaceae	<i>Dodonaea peduncularis</i>			C		7/3
plants	land plants	Sapindaceae	<i>Dodonaea stenophylla</i>			C		2/1
plants	land plants	Sapindaceae	<i>Dodonaea triangularis</i>			C		5/1
plants	land plants	Sapindaceae	<i>Dodonaea vestita</i>			C		7/2
plants	land plants	Sapindaceae	<i>Dodonaea viscosa subsp. angustissima</i>			C		1
plants	land plants	Sapindaceae	<i>Dodonaea viscosa subsp. spatulata</i>			C		4
plants	land plants	Scrophulariaceae	<i>Eremophila debilis</i>	winter apple		C		4/1
plants	land plants	Scrophulariaceae	<i>Eremophila latrobei</i>			C		1/1
plants	land plants	Scrophulariaceae	<i>Eremophila latrobei subsp. glabra</i>			C		7/7
plants	land plants	Scrophulariaceae	<i>Eremophila latrobei subsp. latrobei</i>			C		2/2
plants	land plants	Scrophulariaceae	<i>Eremophila longifolia</i>	berrigan		C		1/1
plants	land plants	Scrophulariaceae	<i>Eremophila mitchellii</i>			C		9/2
plants	land plants	Scrophulariaceae	<i>Myoporum acuminatum</i>	coastal boobialla		C		4
plants	land plants	Selaginellaceae	<i>Selaginella</i>					1/1
plants	land plants	Solanaceae	<i>Datura leichhardtii</i>	native thornapple	Y			3/3
plants	land plants	Solanaceae	<i>Nicotiana megalosiphon</i>			C		2/1
plants	land plants	Solanaceae	<i>Physalis angulata</i>		Y			1/1
plants	land plants	Solanaceae	<i>Physalis lanceifolia</i>		Y			3/3
plants	land plants	Solanaceae	<i>Solanum</i>					2
plants	land plants	Solanaceae	<i>Solanum americanum</i>		Y			3/3
plants	land plants	Solanaceae	<i>Solanum cocosoides</i>			C		5/5
plants	land plants	Solanaceae	<i>Solanum dissectum</i>			E	E	3/3
plants	land plants	Solanaceae	<i>Solanum elachophyllum</i>			E		1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Solanaceae	<i>Solanum elaeagnifolium</i>	silverleaf nightshade	Y			1
plants	land plants	Solanaceae	<i>Solanum ellipticum</i>	potato bush		C		10/6
plants	land plants	Solanaceae	<i>Solanum esuriale</i>	quena		C		2/1
plants	land plants	Solanaceae	<i>Solanum ferocissimum</i>			C		2/1
plants	land plants	Solanaceae	<i>Solanum mitchellianum</i>			C		4/4
plants	land plants	Solanaceae	<i>Solanum pusillum</i>			C		2/2
plants	land plants	Solanaceae	<i>Solanum seaforthianum</i>	Brazilian nightshade	Y			3
plants	land plants	Solanaceae	<i>Solanum semiarmatum</i>	prickly nightshade		C		1
plants	land plants	Sparrmanniaceae	<i>Corchorus tomentellus</i>			C		6/6
plants	land plants	Sparrmanniaceae	<i>Corchorus trilocularis</i>			C		3/3
plants	land plants	Sparrmanniaceae	<i>Grewia latifolia</i>	dysentery plant		C		8/1
plants	land plants	Sparrmanniaceae	<i>Grewia scabrella</i>			C		7/3
plants	land plants	Sphagnaceae	<i>Sphagnum perichaetiale</i>			C		2/2
plants	land plants	Stackhousiaceae	<i>Stackhousia muricata</i>			C		2/1
plants	land plants	Sterculiaceae	<i>Brachychiton australis</i>	broad-leaved bottle tree		SL		3
plants	land plants	Sterculiaceae	<i>Brachychiton populneus</i>			C		1
plants	land plants	Sterculiaceae	<i>Brachychiton populneus subsp. trilobus</i>			SL		1/1
plants	land plants	Sterculiaceae	<i>Brachychiton rupestris</i>			SL		13/2
plants	land plants	Sterculiaceae	<i>Brachychiton x turgidulus</i>			SL		1/1
plants	land plants	Sterculiaceae	<i>Sterculia quadrifida</i>	peanut tree		C		1
plants	land plants	Stylidiaceae	<i>Stylidium debile</i>	frail trigger plant		SL		5/2
plants	land plants	Stylidiaceae	<i>Stylidium eglandulosum</i>			SL		3/3
plants	land plants	Stylidiaceae	<i>Stylidium eriorhizum</i>			SL		4/3
plants	land plants	Stylidiaceae	<i>Stylidium laricifolium</i>	tree trigger plant		SL		1/1
plants	land plants	Surianaceae	<i>Cadellia pentastylis</i>	ooline		V	V	3/3
plants	land plants	Thelypteridaceae	<i>Christella dentata</i>	creek fern		SL		1
plants	land plants	Thymelaeaceae	<i>Pimelea decora</i>			C		2
plants	land plants	Thymelaeaceae	<i>Pimelea haematostachya</i>			C		3/2
plants	land plants	Thymelaeaceae	<i>Pimelea linifolia</i>			C		2/1
plants	land plants	Thymelaeaceae	<i>Pimelea linifolia subsp. linifolia</i>			C		2/2
plants	land plants	Thymelaeaceae	<i>Pimelea strigosa</i>			C		1/1
plants	land plants	Verbenaceae	<i>Glandularia aristigera</i>		Y			1
plants	land plants	Verbenaceae	<i>Phyla canescens</i>		Y			1/1
plants	land plants	Verbenaceae	<i>Verbena</i>					4/1
plants	land plants	Verbenaceae	<i>Verbena africana</i>			C		3/3
plants	land plants	Verbenaceae	<i>Verbena bonariensis</i>	purpletop	Y			1
plants	land plants	Verbenaceae	<i>Verbena macrostachya</i>			C		1/1
plants	land plants	Verbenaceae	<i>Verbena rigida</i>		Y			1/1
plants	land plants	Violaceae	<i>Pigea enneasperma</i>			C		4/3
plants	land plants	Violaceae	<i>Pigea stellarioides</i>			C		2/1
plants	land plants	Viscaceae	<i>Notothixos incanus</i>			C		1/1
plants	land plants	Viscaceae	<i>Viscum articulatum</i>	flat mistletoe		C		1/1
plants	land plants	Vitaceae	<i>Clematicissus opaca</i>			C		6/2
plants	land plants	Xanthorrhoeaceae	<i>Xanthorrhoea</i>					1
plants	land plants	Xanthorrhoeaceae	<i>Xanthorrhoea johnsonii</i>			SL		10
plants	land plants	Xyridaceae	<i>Xyris complanata</i>	yellow-eye		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Zamiaceae	<i>Macrozamia moorei</i>			SL		16/9
plants	land plants	Zamiaceae	<i>Macrozamia platyrhachis</i>			E	E	27/18
plants	land plants	Zygophyllaceae	<i>Roepera apiculata</i>			C		2/2
plants	land plants	Zygophyllaceae	<i>Tribulus eichlerianus</i>	bull head		C		3
plants	land plants	Zygophyllaceae	<i>Tribulus micrococcus</i>	yellow vine		C		3/3
plants	land plants	Zygophyllaceae	<i>Tribulus terrestris</i>	caltrop		C		1
plants	uncertain	Indet.	<i>Indet.</i>			C		6
plants		Caesalpinioideae	<i>Haematoxylum campechianum</i>	logwood tree	Y			2/2
plants		Caesalpinioideae	<i>Senna artemisioides subsp. artemisioides</i>			C		1/1
plants		Mimosoid clade	<i>Acacia melanoxylon</i>	blackwood		C		3
plants		Mimosoid clade	<i>Acacia oswaldii</i>	miljee		C		3/1
plants		Mimosoid clade	<i>Acacia resinicostata</i>			C		3
plants		Mimosoid clade	<i>Acacia victoriae subsp. victoriae</i>			C		1/1
plants		Mimosoid clade	<i>Leucaena leucocephala</i>		Y			1
plants		Mimosoid clade	<i>Neptunia heliophila</i>			C		4/4
plants		Mimosoid clade	<i>Vachellia farnesiana</i>		Y			3/1
plants		Papilionoideae	<i>Gompholobium pinnatum</i>	poor mans gold		C		1
plants		Papilionoideae	<i>Hovea longipes</i>	brush hovea		C		7/4
plants		Papilionoideae	<i>Leptosema chapmanii</i>			C		5/5
plants		Papilionoideae	<i>Mirbelia rubiifolia</i>	heathy mirbelia		C		1
plants		Papilionoideae	<i>Phyllota phyllicoides</i>	yellow peabush		C		2/2
plants		Papilionoideae	<i>Sesbania cannabina</i>			C		2/1
plants		Papilionoideae	<i>Swainsona galegifolia</i>	smooth Darling pea		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.



# Queensland Government

## WildNet species list

Search Criteria: Species List for a Specified Point

Species: All

Type: All

Queensland status: All

Records: All

Date: Since 1980

Latitude: -24.0445

Longitude: 148.6442

Distance: 25

Email: btaylor@epicenvironmental.com.au

Date submitted: Tuesday 24 Jan 2023 11:49:29

Date extracted: Tuesday 24 Jan 2023 11:50:03

The number of records retrieved = 503

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Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufonidae	<i>Rhinella marina</i>	cane toad	Y			3
animals	amphibians	Hylidae	<i>Cyclorana alboguttata</i>	greenstripe frog		C		2
animals	amphibians	Hylidae	<i>Cyclorana brevipes</i>	superb collared frog		C		1/1
animals	amphibians	Hylidae	<i>Cyclorana novaehollandiae</i>	eastern snapping frog		C		1
animals	amphibians	Hylidae	<i>Cyclorana platycephala</i>	water holding frog		C		2
animals	amphibians	Hylidae	<i>Cyclorana verrucosa</i>	rough collared frog		C		2/2
animals	amphibians	Hylidae	<i>Litoria caerulea</i>	common green treefrog		C		4
animals	amphibians	Hylidae	<i>Litoria inermis</i>	bumpy rocketfrog		C		3
animals	amphibians	Hylidae	<i>Litoria latopalmata</i>	broad palmed rocketfrog		C		4
animals	amphibians	Hylidae	<i>Litoria peronii</i>	emerald spotted treefrog		C		1
animals	amphibians	Hylidae	<i>Litoria rubella</i>	ruddy treefrog		C		4
animals	amphibians	Limnodynastidae	<i>Limnodynastes salmini</i>	salmon striped frog		C		3
animals	amphibians	Limnodynastidae	<i>Limnodynastes tasmaniensis</i>	spotted grassfrog		C		7
animals	amphibians	Limnodynastidae	<i>Platyplectrum ornatum</i>	ornate burrowing frog		C		1
animals	birds	Acanthizidae	<i>Acanthiza apicalis</i>	inland thornbill		C		1
animals	birds	Acanthizidae	<i>Acanthiza pusilla</i>	brown thornbill		C		1
animals	birds	Acanthizidae	<i>Acanthiza reguloides</i>	buff-rumped thornbill		C		1
animals	birds	Acanthizidae	<i>Gerygone mouki</i>	brown gerygone		C		1
animals	birds	Acanthizidae	<i>Gerygone olivacea</i>	white-throated gerygone		C		4
animals	birds	Acanthizidae	<i>Smicronis brevirostris</i>	weebill		C		5
animals	birds	Accipitridae	<i>Aquila audax</i>	wedge-tailed eagle		C		1
animals	birds	Accipitridae	<i>Circus assimilis</i>	spotted harrier		C		1
animals	birds	Accipitridae	<i>Elanus axillaris</i>	black-shouldered kite		C		2
animals	birds	Accipitridae	<i>Haliastur sphenurus</i>	whistling kite		C		8
animals	birds	Accipitridae	<i>Milvus migrans</i>	black kite		C		3
animals	birds	Aegothelidae	<i>Aegotheles cristatus</i>	Australian owl-nightjar		C		1
animals	birds	Alaudidae	<i>Mirafra javanica</i>	Horsfield's bushlark		C		2
animals	birds	Alcedinidae	<i>Dacelo leachii</i>	blue-winged kookaburra		C		1
animals	birds	Alcedinidae	<i>Dacelo novaeguineae</i>	laughing kookaburra		C		9
animals	birds	Alcedinidae	<i>Todiramphus macleayii</i>	forest kingfisher		C		1
animals	birds	Alcedinidae	<i>Todiramphus pyrrhopygius</i>	red-backed kingfisher		C		1
animals	birds	Alcedinidae	<i>Todiramphus sanctus</i>	sacred kingfisher		C		3
animals	birds	Anatidae	<i>Anas gracilis</i>	grey teal		C		4
animals	birds	Anatidae	<i>Anas superciliosa</i>	Pacific black duck		C		5
animals	birds	Anatidae	<i>Aythya australis</i>	hardhead		C		4
animals	birds	Anatidae	<i>Chenonetta jubata</i>	Australian wood duck		C		3
animals	birds	Anatidae	<i>Cygnus atratus</i>	black swan		C		1
animals	birds	Anatidae	<i>Dendrocygna arcuata</i>	wandering whistling-duck		C		1
animals	birds	Anatidae	<i>Dendrocygna eytoni</i>	plumed whistling-duck		C		3
animals	birds	Anhingidae	<i>Anhinga novaehollandiae</i>	Australasian darter		C		5
animals	birds	Ardeidae	<i>Ardea alba modesta</i>	eastern great egret		C		5
animals	birds	Ardeidae	<i>Ardea intermedia</i>	intermediate egret		C		3
animals	birds	Ardeidae	<i>Ardea pacifica</i>	white-necked heron		C		1
animals	birds	Ardeidae	<i>Egretta novaehollandiae</i>	white-faced heron		C		1
animals	birds	Ardeidae	<i>Nycticorax caledonicus</i>	nankeen night-heron		C		2
animals	birds	Artamidae	<i>Artamus cinereus</i>	black-faced woodswallow		C		2

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animals	birds	Artamidae	<i>Artamus leucorhynchus</i>	white-breasted woodswallow		C		2
animals	birds	Artamidae	<i>Cracticus nigrogularis</i>	pied butcherbird		C		7
animals	birds	Artamidae	<i>Cracticus torquatus</i>	grey butcherbird		C		5
animals	birds	Artamidae	<i>Gymnorhina tibicen</i>	Australian magpie		C		9
animals	birds	Artamidae	<i>Strepera graculina</i>	pied currawong		C		2
animals	birds	Cacatuidae	<i>Cacatua galerita</i>	sulphur-crested cockatoo		C		11
animals	birds	Cacatuidae	<i>Eolophus roseicapilla</i>	galah		C		5
animals	birds	Cacatuidae	<i>Nymphicus hollandicus</i>	cockatiel		C		1
animals	birds	Campephagidae	<i>Coracina novaehollandiae</i>	black-faced cuckoo-shrike		C		8
animals	birds	Campephagidae	<i>Coracina papuensis</i>	white-bellied cuckoo-shrike		C		1
animals	birds	Campephagidae	<i>Edolisoma tenuirostre</i>	common cicadabird		C		1
animals	birds	Campephagidae	<i>Lalage tricolor</i>	white-winged triller		C		1
animals	birds	Casuariidae	<i>Dromaius novaehollandiae</i>	emu		C		3
animals	birds	Charadriidae	<i>Vanellus miles</i>	masked lapwing		C		5
animals	birds	Cisticolidae	<i>Cisticola exilis</i>	golden-headed cisticola		C		6
animals	birds	Climacteridae	<i>Climacteris picumnus</i>	brown treecreeper		C		1
animals	birds	Climacteridae	<i>Cormobates leucophaea metastasis</i>	white-throated treecreeper (southern)		C		1
animals	birds	Columbidae	<i>Geopelia humeralis</i>	bar-shouldered dove		C		6
animals	birds	Columbidae	<i>Geopelia placida</i>	peaceful dove		C		7
animals	birds	Columbidae	<i>Ocyphaps lophotes</i>	crested pigeon		C		6
animals	birds	Columbidae	<i>Phaps chalcoptera</i>	common bronzewing		C		1
animals	birds	Coraciidae	<i>Eurystomus orientalis</i>	dollarbird		C		2
animals	birds	Corcoracidae	<i>Corcorax melanorhamphos</i>	white-winged chough		C		1
animals	birds	Corcoracidae	<i>Struthidea cinerea</i>	apostlebird		C		9
animals	birds	Corvidae	<i>Corvus coronoides</i>	Australian raven		C		5
animals	birds	Corvidae	<i>Corvus orru</i>	Torresian crow		C		15
animals	birds	Cuculidae	<i>Cacomantis pallidus</i>	pallid cuckoo		C		1
animals	birds	Cuculidae	<i>Cacomantis variolosus</i>	brush cuckoo		C		1
animals	birds	Cuculidae	<i>Centropus phasianinus</i>	pheasant coucal		C		11
animals	birds	Cuculidae	<i>Chalcites basalis</i>	Horsfield's bronze-cuckoo		C		1
animals	birds	Cuculidae	<i>Chalcites minutillus</i>	little bronze-cuckoo		C		1
animals	birds	Cuculidae	<i>Chalcites minutillus barnardi</i>	Eastern little bronze-cuckoo		C		1
animals	birds	Cuculidae	<i>Eudynamys orientalis</i>	eastern koel		C		3
animals	birds	Cuculidae	<i>Scythrops novaehollandiae</i>	channel-billed cuckoo		C		5
animals	birds	Dicaeidae	<i>Dicaeum hirundinaceum</i>	mistletoebird		C		8
animals	birds	Estrildidae	<i>Lonchura castaneothorax</i>	chestnut-breasted mannikin		C		2
animals	birds	Estrildidae	<i>Taeniopygia bichenovii</i>	double-barred finch		C		9
animals	birds	Estrildidae	<i>Taeniopygia guttata</i>	zebra finch		C		2
animals	birds	Falconidae	<i>Falco berigora</i>	brown falcon		C		2
animals	birds	Falconidae	<i>Falco cenchroides</i>	nankeen kestrel		C		2
animals	birds	Falconidae	<i>Falco longipennis</i>	Australian hobby		C		1
animals	birds	Falconidae	<i>Falco subniger</i>	black falcon		C		1
animals	birds	Glareolidae	<i>Stiltia isabella</i>	Australian pratincole		C		1
animals	birds	Gruidae	<i>Antigone rubicunda</i>	brilga		C		2
animals	birds	Hirundinidae	<i>Hirundo neoxena</i>	welcome swallow		C		2
animals	birds	Hirundinidae	<i>Petrochelidon ariel</i>	fairy martin		C		1



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animals	birds	Hirundinidae	<i>Petrochelidon nigricans</i>	tree martin		C		3
animals	birds	Laridae	<i>Chlidonias hybrida</i>	whiskered tern		C		4
animals	birds	Laridae	<i>Gelochelidon nilotica</i>	gull-billed tern		SL		4
animals	birds	Laridae	<i>Hydroprogne caspia</i>	Caspian tern		SL		4
animals	birds	Locustellidae	<i>Cincloramphus timoriensis</i>	tawny grassbird		C		3
animals	birds	Maluridae	<i>Malurus assimilis</i>	purple-backed fairy-wren		C		1
animals	birds	Maluridae	<i>Malurus cyaneus</i>	superb fairy-wren		C		2
animals	birds	Maluridae	<i>Malurus melanocephalus</i>	red-backed fairy-wren		C		11
animals	birds	Megapodiidae	<i>Alectura lathamii</i>	Australian brush-turkey		C		1
animals	birds	Meliphagidae	<i>Entomyzon cyanotis</i>	blue-faced honeyeater		C		2
animals	birds	Meliphagidae	<i>Gavicalis virescens</i>	singing honeyeater		C		3
animals	birds	Meliphagidae	<i>Lichmera indistincta</i>	brown honeyeater		C		1
animals	birds	Meliphagidae	<i>Manorina flavigula</i>	yellow-throated miner		C		4
animals	birds	Meliphagidae	<i>Manorina melanocephala</i>	noisy miner		C		3
animals	birds	Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater		C		1
animals	birds	Meliphagidae	<i>Melithreptus albogularis</i>	white-throated honeyeater		C		3
animals	birds	Meliphagidae	<i>Melithreptus gularis gularis</i>	black-chinned honeyeater (eastern)		C		1
animals	birds	Meliphagidae	<i>Melithreptus lunatus</i>	white-naped honeyeater		C		1
animals	birds	Meliphagidae	<i>Nesoptilotis leucotis</i>	white-eared honeyeater		C		1
animals	birds	Meliphagidae	<i>Philemon citreogularis</i>	little friarbird		C		4
animals	birds	Meliphagidae	<i>Philemon corniculatus</i>	noisy friarbird		C		3
animals	birds	Meliphagidae	<i>Plectorhyncha lanceolata</i>	striped honeyeater		C		3
animals	birds	Meropidae	<i>Merops ornatus</i>	rainbow bee-eater		C		1
animals	birds	Monarchidae	<i>Grallina cyanoleuca</i>	magpie-lark		C		10
animals	birds	Monarchidae	<i>Myiagra inquieta</i>	restless flycatcher		C		2
animals	birds	Monarchidae	<i>Myiagra rubecula</i>	leaden flycatcher		C		3
animals	birds	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian pipit		C		3
animals	birds	Neosittidae	<i>Daphoenositta chrysoptera</i>	varied sittella		C		1
animals	birds	Oriolidae	<i>Oriolus sagittatus</i>	olive-backed oriole		C		4
animals	birds	Oriolidae	<i>Sphecotheres vieilloti</i>	Australasian figbird		C		2
animals	birds	Otididae	<i>Ardeotis australis</i>	Australian bustard		C		1
animals	birds	Pachycephalidae	<i>Colluricincla harmonica</i>	grey shrike-thrush		C		3
animals	birds	Pachycephalidae	<i>Colluricincla megarhyncha</i>	little shrike-thrush		C		1
animals	birds	Pachycephalidae	<i>Pachycephala pectoralis</i>	golden whistler		C		1
animals	birds	Pachycephalidae	<i>Pachycephala rufiventris</i>	rufous whistler		C		7
animals	birds	Pardalotidae	<i>Pardalotus striatus</i>	striated pardalote		C		5
animals	birds	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian pelican		C		4
animals	birds	Petroicidae	<i>Eopsaltria australis</i>	eastern yellow robin		C		1
animals	birds	Petroicidae	<i>Microeca fascinans</i>	jacky winter		C		2
animals	birds	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	little pied cormorant		C		3
animals	birds	Phalacrocoracidae	<i>Phalacrocorax sulcirostris</i>	little black cormorant		C		1
animals	birds	Phasianidae	<i>Synoicus ypsilophorus</i>	brown quail		C		3
animals	birds	Podicipedidae	<i>Tachybaptus novaehollandiae</i>	Australasian grebe		C		2
animals	birds	Pomatostomidae	<i>Pomatostomus temporalis</i>	grey-crowned babbler		C		1
animals	birds	Psittaculidae	<i>Alisterus scapularis</i>	Australian king-parrot		C		1
animals	birds	Psittaculidae	<i>Aprosmictus erythropterus</i>	red-winged parrot		C		10

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animals	birds	Psittaculidae	<i>Platyercus adscitus</i>	pale-headed rosella		C		11
animals	birds	Psittaculidae	<i>Trichoglossus moluccanus</i>	rainbow lorikeet		C		4
animals	birds	Ptilonorhynchidae	<i>Chlamydera maculata</i>	spotted bowerbird		C		4
animals	birds	Recurvirostridae	<i>Himantopus leucocephalus</i>	pieb stilt		C		4
animals	birds	Rhipiduridae	<i>Rhipidura albiscapa</i>	grey fantail		C		4
animals	birds	Rhipiduridae	<i>Rhipidura leucophrys</i>	willie wagtail		C		9
animals	birds	Strigidae	<i>Ninox boobook</i>	southern boobook		C		1
animals	birds	Threskiornithidae	<i>Platalea flavipes</i>	yellow-billed spoonbill		C		3
animals	birds	Threskiornithidae	<i>Platalea regia</i>	royal spoonbill		C		2
animals	birds	Threskiornithidae	<b><i>Plegadis falcinellus</i></b>	<b>glossy ibis</b>		SL		1
animals	birds	Threskiornithidae	<i>Threskiornis molucca</i>	Australian white ibis		C		1
animals	birds	Tytonidae	<i>Tyto javanica</i>	eastern barn owl		C		4
animals	birds	Zosteropidae	<i>Zosterops lateralis</i>	silveryeye		C		4
animals	mammals	Bovidae	<i>Bos taurus</i>	European cattle	Y			1
animals	mammals	Canidae	<i>Canis familiaris</i>	dog	Y			1
animals	mammals	Emballonuridae	<i>Saccolaimus flaviventris</i>	yellow-bellied sheath-tail bat			C	2
animals	mammals	Felidae	<i>Felis catus</i>	cat	Y			1
animals	mammals	Leporidae	<i>Oryctolagus cuniculus</i>	rabbit	Y			1
animals	mammals	Macropodidae	<i>Macropus giganteus</i>	eastern grey kangaroo			C	3
animals	mammals	Miniopteridae	<i>Miniopterus schreibersii oceanensis</i>	eastern bent-wing bat			C	1
animals	mammals	Molossidae	<i>Chaerephon jobensis</i>	northern freetail bat			C	1
animals	mammals	Molossidae	<i>Mormopterus lumsdenae</i>	northern free-tailed bat			C	1
animals	mammals	Muridae	<i>Hydromys chrysogaster</i>	water rat			C	1
animals	mammals	Muridae	<i>Mus musculus</i>	house mouse	Y			3
animals	mammals	Muridae	<i>Pseudomys delicatulus</i>	delicate mouse			C	1
animals	mammals	Muridae	<i>Rattus sordidus</i>	canefield rat			C	6/1
animals	mammals	Peramelidae	<i>Isoodon macrourus</i>	northern brown bandicoot			C	1
animals	mammals	Petauridae	<i>Petaurus notatus</i>	Kreff's glider			C	3
animals	mammals	Phalangeridae	<i>Trichosurus vulpecula</i>	common brushtail possum			C	1
animals	mammals	Phascolarctidae	<b><i>Phascolarctos cinereus</i></b>	<b>koala</b>		E	E	6
animals	mammals	Vespertilionidae	<i>Chalinolobus gouldii</i>	Gould's wattled bat			C	2
animals	mammals	Vespertilionidae	<i>Chalinolobus morio</i>	chocolate wattled bat			C	2
animals	mammals	Vespertilionidae	<i>Chalinolobus picatus</i>	little pied bat			C	1
animals	mammals	Vespertilionidae	<i>Scotorepens balstoni</i>	inland broad-nosed bat			C	2
animals	ray-finned fishes	Ambassidae	<i>Ambassis agassizii</i>	Agassiz's glassfish				7
animals	ray-finned fishes	Anguillidae	<i>Anguilla reinhardtii</i>	longfin eel				1
animals	ray-finned fishes	Atherinidae	<i>Craterocephalus stercusmuscarum</i>	flyspecked hardyhead				2
animals	ray-finned fishes	Clupeidae	<i>Nematalosa erebi</i>	bony bream				4
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris klunzingeri</i>	western carp gudgeon				3
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris sp.</i>					6
animals	ray-finned fishes	Eleotridae	<i>Hypseleotris species 1</i>	Midgley's carp gudgeon				1
animals	ray-finned fishes	Eleotridae	<i>Mogurnda adspersa</i>	southern purplespotted gudgeon				4
animals	ray-finned fishes	Eleotridae	<i>Oxyeleotris lineolata</i>	sleepy cod				2
animals	ray-finned fishes	Eleotridae	<i>Philypnodon grandiceps</i>	flathead gudgeon				1
animals	ray-finned fishes	Melanotaeniidae	<i>Melanotaenia splendida splendida</i>	eastern rainbowfish				6
animals	ray-finned fishes	Percichthyidae	<i>Macquaria ambigua</i>	golden perch				1

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animals	ray-finned fishes	Plotosidae	<i>Neosilurus hyrtlii</i>	Hyrtl's catfish				4
animals	ray-finned fishes	Plotosidae	<i>Tandanus tandanus</i>	freshwater catfish				1
animals	ray-finned fishes	Terapontidae	<i>Leiopotherapon unicolor</i>	spangled perch				6
animals	reptiles	Agamidae	<i>Tympanocryptis sp.</i>			C		1/1
animals	reptiles	Chelidae	<i>Chelodina longicollis</i>	eastern snake-necked turtle		C		1
animals	reptiles	Chelidae	<i>Emydura macquarii krefftii</i>	Krefftt's river turtle		C		1
animals	reptiles	Chelidae	<i>Wollumbinia latisternum</i>	saw-shelled turtle		C		1
animals	reptiles	Diplodactylidae	<i>Diplodactylus platyurus</i>	eastern fat-tailed gecko		C		1
animals	reptiles	Diplodactylidae	<i>Diplodactylus vittatus</i>	wood gecko		C		1
animals	reptiles	Elapidae	<i>Brachyuropsis australis</i>	coral snake		C		1
animals	reptiles	Elapidae	<i>Hoplocephalus bitorquatus</i>	pale-headed snake		C		1
animals	reptiles	Elapidae	<i>Pseudonaja textilis</i>	eastern brown snake		C		1
animals	reptiles	Gekkonidae	<i>Gehyra dubia</i>	dubious dtella		C		5
animals	reptiles	Gekkonidae	<i>Heteronotia binoei</i>	Bynoe's gecko		C		2
animals	reptiles	Scincidae	<i>Carlia pectoralis</i>	open-litter rainbow skink		C		2
animals	reptiles	Scincidae	<i>Carlia pectoralis sensu lato</i>			C		1
animals	reptiles	Scincidae	<i>Carlia vivax</i>	tussock rainbow-skink		C		1
animals	reptiles	Scincidae	<i>Cryptoblepharus pulcher pulcher</i>	elegant snake-eyed skink		C		3
animals	reptiles	Scincidae	<i>Ctenotus spaldingi</i>	straight-browed ctenotus		C		2
animals	reptiles	Scincidae	<i>Lerista fragilis</i>	eastern mulch slider		C		2
animals	reptiles	Scincidae	<i>Lerista punctatovittata</i>	eastern robust slider		C		2
animals	reptiles	Scincidae	<i>Morethia boulengeri</i>	south-eastern morethia skink		C		2
animals	reptiles	Varanidae	<i>Varanus varius</i>	lace monitor		C		1
plants	land plants	Acanthaceae	<i>Pseuderanthemum variabile</i>	pastel flower		C		3/3
plants	land plants	Acanthaceae	<i>Rostellularia adscendens</i>			C		1
plants	land plants	Aizoaceae	<i>Zaleya galericulata</i>			C		1/1
plants	land plants	Alismataceae	<i>Caldesia oligococca</i>			SL		1/1
plants	land plants	Amaranthaceae	<i>Achyranthes aspera</i>			C		2/1
plants	land plants	Amaranthaceae	<i>Alternanthera denticulata var. micrantha</i>			C		2/2
plants	land plants	Amaranthaceae	<i>Alternanthera nana</i>	hairy joyweed		C		2/2
plants	land plants	Amaranthaceae	<i>Amaranthus mitchellii</i>	Boggabri weed		C		1/1
plants	land plants	Amaranthaceae	<i>Gomphrena celosioides</i>	gomphrena weed	Y			1/1
plants	land plants	Amaranthaceae	<i>Nyssanthes erecta</i>			C		2/2
plants	land plants	Amaranthaceae	<i>Ptilotus polystachyus</i>			C		1/1
plants	land plants	Amaranthaceae	<i>Ptilotus psilorhachis</i>			C		1/1
plants	land plants	Amaranthaceae	<i>Ptilotus semilanatus</i>			C		1/1
plants	land plants	Amaryllidaceae	<i>Crinum flaccidum</i>	Murray lily		SL		3/1
plants	land plants	Apiaceae	<i>Centella asiatica</i>			C		1/1
plants	land plants	Apiaceae	<i>Cyclospermum leptophyllum</i>		Y			1/1
plants	land plants	Apocynaceae	<i>Alstonia constricta</i>	bitterbark		C		1
plants	land plants	Apocynaceae	<i>Carissa ovata</i>	currantbush		C		3
plants	land plants	Apocynaceae	<i>Cerbera dumicola</i>			NT		2/2
plants	land plants	Apocynaceae	<i>Leichhardtia microlepis</i>			C		1/1
plants	land plants	Apocynaceae	<i>Leichhardtia viridiflora subsp. viridiflora</i>			C		1/1
plants	land plants	Apocynaceae	<i>Parsonsia</i>					1
plants	land plants	Aponogetonaceae	<i>Aponogeton queenslandicus</i>			SL		1/1

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plants	land plants	Asteraceae	<i>Calotis</i>					1
plants	land plants	Asteraceae	<i>Calotis cuneata</i>			C		1/1
plants	land plants	Asteraceae	<i>Calotis dentex</i>	white burr daisy		C		1/1
plants	land plants	Asteraceae	<i>Chrysocephalum apiculatum</i>	yellow buttons		C		1
plants	land plants	Asteraceae	<i>Eclipta platyglossa subsp. platyglossa</i>			C		1/1
plants	land plants	Asteraceae	<i>Euchiton sphaericus</i>			C		1/1
plants	land plants	Asteraceae	<i>Minuria leptophylla</i>			C		1/1
plants	land plants	Asteraceae	<i>Olearia xerophila</i>			C		1/1
plants	land plants	Asteraceae	<i>Parthenium hysterophorus</i>	parthenium weed	Y			2/1
plants	land plants	Asteraceae	<i>Peripleura hispidula var. setosa</i>			C		1/1
plants	land plants	Asteraceae	<i>Rhodanthe polyphylla</i>			C		2/2
plants	land plants	Asteraceae	<i>Sphaeromorphaea australis</i>			C		1/1
plants	land plants	Asteraceae	<i>Tagetes minuta</i>	stinking roger	Y			1/1
plants	land plants	Asteraceae	<i>Verbesina encelioides</i>	crownbeard	Y			1
plants	land plants	Asteraceae	<i>Verbesina encelioides var. encelioides</i>		Y			2/2
plants	land plants	Bignoniaceae	<i>Pandorea pandorana</i>	wonga vine			C	1
plants	land plants	Boraginaceae	<i>Heliotropium indicum</i>		Y			1/1
plants	land plants	Boraginaceae	<i>Heliotropium moorei</i>				C	2/2
plants	land plants	Brassicaceae	<i>Rorippa dietriciana</i>				C	1/1
plants	land plants	Brassicaceae	<i>Sisymbrium thellungii</i>	African turnip-weed	Y			1/1
plants	land plants	Byttneriaceae	<i>Seringia hookeriana</i>				C	2/2
plants	land plants	Byttneriaceae	<i>Waltheria indica</i>				C	1/1
plants	land plants	Cactaceae	<i>Harrisia pomanensis</i>		Y			1
plants	land plants	Cactaceae	<i>Opuntia</i>					3
plants	land plants	Cactaceae	<i>Opuntia stricta</i>		Y			1
plants	land plants	Campanulaceae	<i>Wahlenbergia capillaris</i>				SL	1/1
plants	land plants	Capparaceae	<i>Capparis anomala</i>				C	1
plants	land plants	Capparaceae	<i>Capparis lasiantha</i>	nipan			C	3/2
plants	land plants	Capparaceae	<i>Capparis loranthifolia var. loranthifolia</i>				C	1/1
plants	land plants	Caryophyllaceae	<i>Polycarpaea breviflora</i>				C	1/1
plants	land plants	Casuarinaceae	<i>Allocasuarina luehmannii</i>	bull oak			C	2
plants	land plants	Casuarinaceae	<i>Casuarina cristata</i>	belah			C	1
plants	land plants	Casuarinaceae	<i>Casuarina cunninghamiana</i>				C	1
plants	land plants	Celastraceae	<i>Denhamia oleaster</i>				C	1
plants	land plants	Celastraceae	<i>Elaeodendron australe</i>				C	1
plants	land plants	Chenopodiaceae	<i>Atriplex</i>					1
plants	land plants	Chenopodiaceae	<i>Dysphania glomulifera subsp. glomulifera</i>				C	1/1
plants	land plants	Chenopodiaceae	<i>Enchylaena tomentosa</i>				C	2
plants	land plants	Chenopodiaceae	<i>Enchylaena tomentosa var. tomentosa</i>				C	1/1
plants	land plants	Chenopodiaceae	<i>Maireana</i>					2
plants	land plants	Chenopodiaceae	<i>Sclerolaena calcarata</i>	red burr			C	1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena convexula</i>				C	1/1
plants	land plants	Chenopodiaceae	<i>Sclerolaena ramulosa</i>				C	1/1
plants	land plants	Combretaceae	<i>Macropteranthes leichhardtii</i>	bonewood			C	1/1
plants	land plants	Combretaceae	<i>Terminalia oblongata</i>				C	2
plants	land plants	Combretaceae	<i>Terminalia oblongata subsp. oblongata</i>				C	5/5

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plants	land plants	Commelinaceae	<i>Murdannia graminea</i>	murdannia		C		1/1
plants	land plants	Convolvulaceae	<i>Convolvulus graminetinus</i>			C		1/1
plants	land plants	Convolvulaceae	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>			C		2/2
plants	land plants	Convolvulaceae	<i>Polymeria calycina</i>	pink bindweed		C		1/1
plants	land plants	Crassulaceae	<i>Bryophyllum delagoense</i>		Y			1/1
plants	land plants	Cucurbitaceae	<i>Cucumis melo</i>			C		1/1
plants	land plants	Cupressaceae	<i>Callitris glaucophylla</i>	white cypress pine		C		1
plants	land plants	Cyperaceae	<i>Bulbostylis barbata</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus betchei</i> subsp. <i>betchei</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus bifax</i>	western nutgrass		C		2/2
plants	land plants	Cyperaceae	<i>Cyperus concinnus</i>			C		2/2
plants	land plants	Cyperaceae	<i>Cyperus curvistylis</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus dietrichiae</i> var. <i>brevibracteatus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus difformis</i>	rice sedge		C		1/1
plants	land plants	Cyperaceae	<i>Cyperus isabellinus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus leptocarpus</i>			C		1/1
plants	land plants	Cyperaceae	<i>Cyperus squarrosus</i>	bearded flatsedge		C		1/1
plants	land plants	Cyperaceae	<i>Fimbristylis</i>					1
plants	land plants	Cyperaceae	<i>Scleria sphacelata</i>			C		1/1
plants	land plants	Ebenaceae	<i>Diospyros humilis</i>	small-leaved ebony		C		1
plants	land plants	Erythroxylaceae	<i>Erythroxylum australe</i>	cocaine tree		C		5/2
plants	land plants	Euphorbiaceae	<i>Adriana tomentosa</i> var. <i>tomentosa</i>			C		1/1
plants	land plants	Euphorbiaceae	<b><i>Bertya opposens</i></b>			<b>C</b>	<b>V</b>	2/2
plants	land plants	Euphorbiaceae	<i>Croton phebalioides</i>	narrow-leaved croton		C		1/1
plants	land plants	Euphorbiaceae	<i>Euphorbia drummondii</i>			C		2/2
plants	land plants	Euphorbiaceae	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>			C		3/3
plants	land plants	Goodeniaceae	<i>Goodenia glabra</i>			C		2/2
plants	land plants	Goodeniaceae	<i>Goodenia grandiflora</i>			C		1/1
plants	land plants	Haloragaceae	<i>Gonocarpus</i>					1/1
plants	land plants	Haloragaceae	<i>Haloragis stricta</i>			C		1/1
plants	land plants	Hydrocharitaceae	<i>Ottelia ovalifolia</i> subsp. <i>ovalifolia</i>			SL		1/1
plants	land plants	Lamiaceae	<i>Basilicum polystachyon</i>			C		2/2
plants	land plants	Lamiaceae	<i>Clerodendrum floribundum</i>			C		1
plants	land plants	Lamiaceae	<i>Prostanthera suborbicularis</i>			C		1/1
plants	land plants	Lamiaceae	<i>Salvia reflexa</i>		Y			1/1
plants	land plants	Laxmanniaceae	<i>Eustrephus latifolius</i>	wombat berry		C		1
plants	land plants	Laxmanniaceae	<i>Lomandra</i>					1
plants	land plants	Leguminosae	<i>Acacia</i>					4
plants	land plants	Leguminosae	<i>Acacia cretata</i> x <i>Acacia leiocalyx</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia deanei</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia excelsa</i>			C		1
plants	land plants	Leguminosae	<i>Acacia harpophylla</i>	brigalow		C		2
plants	land plants	Leguminosae	<i>Acacia julifera</i> subsp. <i>julifera</i>			C		1/1
plants	land plants	Leguminosae	<i>Acacia salicina</i>	doolan		C		1
plants	land plants	Leguminosae	<i>Acacia shirleyi</i>	lancewood		C		3/1
plants	land plants	Leguminosae	<i>Aeschynomene indica</i>	budda pea		C		1/1

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plants	land plants	Leguminosae	<i>Cassia brewsteri</i>			C		2
plants	land plants	Leguminosae	<i>Crotalaria incana subsp. incana</i>		Y			1/1
plants	land plants	Leguminosae	<i>Desmodium macrocarpum</i>			C		1/1
plants	land plants	Leguminosae	<i>Heliodendron basalticum</i>			C		1/1
plants	land plants	Leguminosae	<i>Hovea</i>					1
plants	land plants	Leguminosae	<i>Indigofera linifolia</i>			C		1/1
plants	land plants	Leguminosae	<i>Lysiphyllum carronii</i>	ebony tree		C		1
plants	land plants	Leguminosae	<i>Lysiphyllum hookeri</i>	Queensland ebony		C		1
plants	land plants	Leguminosae	<i>Parkinsonia aculeata</i>	parkinsonia	Y			2/1
plants	land plants	Leguminosae	<i>Petalostylis</i>			C		1
plants	land plants	Leguminosae	<i>Petalostylis labicheoides</i>			C		4/4
plants	land plants	Leguminosae	<i>Stylosanthes scabra</i>		Y			3/1
plants	land plants	Leguminosae	<i>Zornia muriculata subsp. angustata</i>			C		1/1
plants	land plants	Linderniaceae	<i>Lindernia procumbens</i>			C		1/1
plants	land plants	Loranthaceae	<i>Lysiana subfalcata</i>			C		1/1
plants	land plants	Lythraceae	<i>Ammannia multiflora</i>	jerry-jerry		C		2/2
plants	land plants	Lythraceae	<i>Rotala mexicana</i>			C		1/1
plants	land plants	Malvaceae	<i>Abelmoschus ficulneus</i>	native rosella		C		1/1
plants	land plants	Malvaceae	<i>Abutilon auritum</i>	Chinese lantern		C		1
plants	land plants	Malvaceae	<i>Abutilon calliphyllum</i>	velvet lanternflower		C		1/1
plants	land plants	Malvaceae	<i>Abutilon malvifolium</i>	bastard marshmallow		C		1/1
plants	land plants	Malvaceae	<i>Abutilon otocarpum</i>			C		1/1
plants	land plants	Malvaceae	<i>Abutilon oxycarpum var. incanum</i>			C		1/1
plants	land plants	Malvaceae	<i>Gossypium australe</i>			C		1/1
plants	land plants	Malvaceae	<i>Hibiscus divaricatus</i>			C		1/1
plants	land plants	Malvaceae	<i>Hibiscus krichauffianus</i>			C		2/2
plants	land plants	Malvaceae	<i>Hibiscus meraukensis</i>	Merauke hibiscus		C		1/1
plants	land plants	Malvaceae	<i>Hibiscus sturtii</i>			C		1/1
plants	land plants	Malvaceae	<i>Hibiscus verdcourtii</i>			C		1/1
plants	land plants	Malvaceae	<i>Malvastrum americanum</i>		Y			1
plants	land plants	Malvaceae	<i>Malvastrum americanum var. stellatum</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida</i>					4
plants	land plants	Malvaceae	<i>Sida cordifolia</i>		Y			1/1
plants	land plants	Malvaceae	<i>Sida fibulifera</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida pleiantha</i>			C		1/1
plants	land plants	Malvaceae	<i>Sida sp. (Musselbrook M.B.Thomas+ MRS437)</i>			C		2/2
plants	land plants	Marsileaceae	<i>Marsilea hirsuta</i>	hairy nardoo		C		1
plants	land plants	Meliaceae	<i>Melia azedarach</i>	white cedar		C		1
plants	land plants	Meliaceae	<i>Owenia acidula</i>	emu apple		C		1
plants	land plants	Menispermaceae	<i>Stephania japonica</i>			C		1
plants	land plants	Moraceae	<i>Ficus</i>					1
plants	land plants	Myrtaceae	<i>Calytrix tetragona</i>	fringe myrtle		C		1/1
plants	land plants	Myrtaceae	<i>Corymbia clarksoniana</i>			C		3
plants	land plants	Myrtaceae	<i>Corymbia dallachiana</i>			C		1
plants	land plants	Myrtaceae	<i>Corymbia tessellaris</i>	Moreton Bay ash		C		5
plants	land plants	Myrtaceae	<i>Eucalyptus camaldulensis</i>			C		1

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plants	land plants	Myrtaceae	<i>Eucalyptus cambageana</i>	Dawson gum		C		2
plants	land plants	Myrtaceae	<i>Eucalyptus coolabah</i>	coolabah		C		1
plants	land plants	Myrtaceae	<i>Eucalyptus melanophloia</i>			C		3
plants	land plants	Myrtaceae	<i>Eucalyptus populnea</i>	poplar box		C		3
plants	land plants	Myrtaceae	<i>Eucalyptus tereticornis</i>			C		3
plants	land plants	Myrtaceae	<i>Lysicarpus angustifolius</i>	budgeroo		C		1/1
plants	land plants	Myrtaceae	<i>Melaleuca bracteata</i>			C		1
plants	land plants	Myrtaceae	<i>Melaleuca tamariscina</i>			C		1
plants	land plants	Myrtaceae	<i>Micromyrtus capricornia</i>			C		7/7
plants	land plants	Myrtaceae	<i>Thryptomene</i>			C		1
plants	land plants	Nyctaginaceae	<i>Boerhavia burbridgeana</i>			C		1/1
plants	land plants	Nyctaginaceae	<i>Boerhavia sp. (St George A.Hill AQ399299)</i>			C		1/1
plants	land plants	Oleaceae	<i>Jasminum didymum</i>			C		1
plants	land plants	Oleaceae	<i>Jasminum didymum subsp. didymum</i>			C		2
plants	land plants	Orchidaceae	<i>Cymbidium canaliculatum</i>			SL		1
plants	land plants	Oxalidaceae	<i>Oxalis exilis</i>			C		1/1
plants	land plants	Oxalidaceae	<i>Oxalis perennans</i>			C		1/1
plants	land plants	Pentapetaceae	<i>Melhania oblongifolia</i>			C		1/1
plants	land plants	Phrymaceae	<i>Glossostigma diandrum</i>			C		2/2
plants	land plants	Phrymaceae	<i>Peplidium foecundum</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Flueggea leucopyrus</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus</i>					2/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus carpentariae</i>			C		2/2
plants	land plants	Phyllanthaceae	<i>Phyllanthus maderaspatensis</i>			C		2/2
plants	land plants	Phyllanthaceae	<i>Phyllanthus maderaspatensis var. maderaspatensis</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Phyllanthus virgatus</i>			C		1/1
plants	land plants	Phyllanthaceae	<i>Synostemon rhytidospermus</i>			C		1/1
plants	land plants	Picrodendraceae	<i>Petalostigma pubescens</i>	quinine tree		C		3
plants	land plants	Pittosporaceae	<i>Bursaria incana</i>			C		2/1
plants	land plants	Pittosporaceae	<i>Pittosporum spinescens</i>			C		1
plants	land plants	Poaceae	<i>Alloteropsis cimicina</i>			C		1/1
plants	land plants	Poaceae	<i>Ancistrachne uncinulata</i>	hooky grass		C		1/1
plants	land plants	Poaceae	<i>Aristida annua</i>			V	V	1/1
plants	land plants	Poaceae	<i>Aristida benthamii var. benthamii</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida calycina</i>			C		2
plants	land plants	Poaceae	<i>Aristida calycina var. calycina</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida caput-medusae</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida echinata</i>			C		1/1
plants	land plants	Poaceae	<i>Aristida latifolia</i>	feathertop wiregrass		C		3/1
plants	land plants	Poaceae	<i>Aristida leptopoda</i>	white speargrass		C		1/1
plants	land plants	Poaceae	<i>Aristida ramosa</i>	purple wiregrass		C		2/1
plants	land plants	Poaceae	<i>Astrebla squarrosa</i>	bull mitchell grass		C		2/1
plants	land plants	Poaceae	<i>Bothriochloa ewartiana</i>	desert bluegrass		C		2/1
plants	land plants	Poaceae	<i>Calyptochloa gracillima subsp. gracillima</i>			C		2/1
plants	land plants	Poaceae	<i>Calyptochloa sphaerocarpa</i>			C		1/1
plants	land plants	Poaceae	<i>Cenchrus ciliaris</i>		Y			8/2

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plants	land plants	Poaceae	<i>Chloris divaricata</i> var. <i>divaricata</i>	slender chloris		C		1
plants	land plants	Poaceae	<i>Chloris ventricosa</i>	tall chloris		C		2/2
plants	land plants	Poaceae	<i>Chloris virgata</i>	feathertop rhodes grass	Y			1
plants	land plants	Poaceae	<i>Chrysopogon fallax</i>			C		1
plants	land plants	Poaceae	<i>Cymbopogon refractus</i>	barbed-wire grass		C		1
plants	land plants	Poaceae	<i>Dactyloctenium radulans</i>	button grass		C		1/1
plants	land plants	Poaceae	<i>Dichanthium queenslandicum</i>			V	E	1/1
plants	land plants	Poaceae	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>			C		1/1
plants	land plants	Poaceae	<i>Digitaria diminuta</i>			C		1/1
plants	land plants	Poaceae	<i>Dinebra decipiens</i> var. <i>decipiens</i>			C		1/1
plants	land plants	Poaceae	<i>Diplachne fusca</i> var. <i>fusca</i>			C		1/1
plants	land plants	Poaceae	<i>Enneapogon gracilis</i>	slender nineawn		C		3/1
plants	land plants	Poaceae	<i>Enneapogon lindleyanus</i>			C		2/2
plants	land plants	Poaceae	<i>Enneapogon pallidus</i>	conetop nineawn		C		1/1
plants	land plants	Poaceae	<i>Eragrostis</i>					1
plants	land plants	Poaceae	<i>Eragrostis megalosperma</i>			C		1/1
plants	land plants	Poaceae	<i>Eragrostis sororia</i>			C		1/1
plants	land plants	Poaceae	<i>Eriachne mucronata</i>			C		1
plants	land plants	Poaceae	<i>Eriachne mucronata</i> forma ( <i>Alpha C.E.Hubbard 7882</i> )			C		3/3
plants	land plants	Poaceae	<i>Eriochloa pseudoacrotricha</i>			C		1/1
plants	land plants	Poaceae	<i>Heteropogon contortus</i>	black speargrass		C		3
plants	land plants	Poaceae	<i>Iseilema membranaceum</i>	small flinders grass		C		1/1
plants	land plants	Poaceae	<i>Leptochloa digitata</i>			C		1/1
plants	land plants	Poaceae	<i>Megathyrsus maximus</i> var. <i>pubiglumis</i>		Y			1/1
plants	land plants	Poaceae	<i>Melinis repens</i>	red natal grass	Y			2
plants	land plants	Poaceae	<i>Panicum effusum</i>			C		1/1
plants	land plants	Poaceae	<i>Paspalidium</i>					1
plants	land plants	Poaceae	<i>Paspalidium caespitosum</i>	brigalow grass		C		1/1
plants	land plants	Poaceae	<i>Paspalidium constrictum</i>			C		2/2
plants	land plants	Poaceae	<i>Paspalidium globoideum</i>	sago grass		C		1/1
plants	land plants	Poaceae	<i>Paspalum</i>					1
plants	land plants	Poaceae	<i>Perotis rara</i>	comet grass		C		2/1
plants	land plants	Poaceae	<i>Setaria paspalidioides</i>			C		1/1
plants	land plants	Poaceae	<i>Sorghum x alnum</i>		Y			1/1
plants	land plants	Poaceae	<i>Sporobolus actinocladus</i>	katoora grass		C		1
plants	land plants	Poaceae	<i>Sporobolus caroli</i>	fairy grass		C		2/1
plants	land plants	Poaceae	<i>Themeda avenacea</i>			C		1/1
plants	land plants	Poaceae	<i>Themeda triandra</i>	kangaroo grass		C		2
plants	land plants	Poaceae	<i>Thyridolepis mitchelliana</i>	mulga mitchell grass		C		1
plants	land plants	Poaceae	<i>Tragus australianus</i>	small burr grass		C		2/1
plants	land plants	Poaceae	<i>Urochloa piligera</i>			C		1/1
plants	land plants	Pontederiaceae	<i>Monochoria cyanea</i>			C		1/1
plants	land plants	Portulacaceae	<i>Portulaca filifolia</i>			C		1/1
plants	land plants	Portulacaceae	<i>Portulaca oleracea</i>	pigweed	Y			2
plants	land plants	Proteaceae	<i>Hakea lorea</i> subsp. <i>lorea</i>			C		1/1
plants	land plants	Proteaceae	<i>Hakea purpurea</i>			C		1/1



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plants	land plants	Pteridaceae	<i>Cheilanthes sieberi</i>			C		1
plants	land plants	Pteridaceae	<i>Pellaea</i>					1/1
plants	land plants	Rhamnaceae	<i>Alphitonia excelsa</i>	soap tree		C		3
plants	land plants	Rubiaceae	<i>Everistia vacciniifolia</i> var. <i>vacciniifolia</i>			C		3/3
plants	land plants	Rubiaceae	<i>Paranotis mitrasacmoides</i> subsp. <i>trachymenoides</i>			C		1/1
plants	land plants	Rubiaceae	<i>Scleromitron galioides</i>			C		1/1
plants	land plants	Rubiaceae	<i>Spermacoce brachystema</i>			C		1/1
plants	land plants	Rubiaceae	<i>Spermacoce multicaulis</i>			C		1/1
plants	land plants	Rubiaceae	<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>			C		1/1
plants	land plants	Rutaceae	<i>Boronia splendida</i>			C		1/1
plants	land plants	Rutaceae	<i>Flindersia dissosperma</i>			C		4/2
plants	land plants	Rutaceae	<i>Geijera parviflora</i>	wilga		C		7
plants	land plants	Rutaceae	<i>Phebalium glandulosum</i> subsp. <i>glandulosum</i>			C		1/1
plants	land plants	Rutaceae	<i>Philothea difformis</i> subsp. <i>difformis</i>			C		1/1
plants	land plants	Santalaceae	<i>Santalum lanceolatum</i>			SL		1
plants	land plants	Sapindaceae	<i>Alectryon oleifolius</i>			C		1
plants	land plants	Sapindaceae	<i>Atalaya hemiglauc</i>			C		1
plants	land plants	Sapindaceae	<i>Dodonaea</i>					3/1
plants	land plants	Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>glabra</i>			C		2/2
plants	land plants	Scrophulariaceae	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>			C		1/1
plants	land plants	Scrophulariaceae	<i>Eremophila mitchellii</i>			C		6/1
plants	land plants	Scrophulariaceae	<i>Myoporum acuminatum</i>	coastal boobialla		C		1
plants	land plants	Solanaceae	<i>Solanum dissectum</i>			E	E	1/1
plants	land plants	Solanaceae	<i>Solanum elachophyllum</i>			E		1/1
plants	land plants	Solanaceae	<i>Solanum ellipticum</i>	potato bush		C		2/2
plants	land plants	Solanaceae	<i>Solanum seaforthianum</i>	Brazilian nightshade	Y			1
plants	land plants	Sparrmanniaceae	<i>Corchorus tomentellus</i>			C		4/4
plants	land plants	Sparrmanniaceae	<i>Grewia latifolia</i>	dysentery plant		C		4
plants	land plants	Sparrmanniaceae	<i>Grewia scabrella</i>			C		1/1
plants	land plants	Sterculiaceae	<i>Brachychiton australis</i>	broad-leaved bottle tree		SL		1
plants	land plants	Sterculiaceae	<i>Brachychiton rupestris</i>			SL		1
plants	land plants	Sterculiaceae	<i>Brachychiton x turgidulus</i>			SL		1/1
plants	land plants	Stylidiaceae	<i>Stylidium eglandulosum</i>			SL		1/1
plants	land plants	Stylidiaceae	<i>Stylidium eriorhizum</i>			SL		1/1
plants	land plants	Thymelaeaceae	<i>Pimelea haematostachya</i>			C		1
plants	land plants	Vitaceae	<i>Clematicissus opaca</i>			C		1/1
plants	land plants	Zygophyllaceae	<i>Roepera apiculata</i>			C		1/1
plants	land plants	Zygophyllaceae	<i>Tribulus micrococcus</i>	yellow vine		C		1/1
plants	land plants	Zygophyllaceae	<i>Tribulus terrestris</i>	caltrop		C		1
plants		Caesalpinoideae	<i>Senna artemisioides</i> subsp. <i>artemisioides</i>			C		1/1
plants		Mimosoid clade	<i>Neptunia heliophila</i>			C		1/1
plants		Papilionoideae	<i>Hovea longipes</i>	brush hovea		C		1/1
plants		Papilionoideae	<i>Swainsona galegifolia</i>	smooth Darling pea		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.