



Double Jump Road Residential Estate Development

Preliminary Documentation Report

EPBC Referral 2024-09825

Volume 3.2

Appendices 4-5

29 July 2026

Table of Appendices

Volume 3.1

Appendix 1: DCCEEW Decision Notice

Appendix 2: Development Layout

Appendix 2.1: Development Layout (Structure Plan)

Appendix 2.2: Staging Plan

Appendix 2.3: Earthworks Plans

Appendix 3: Planning Related Documents

Appendix 3.1: Draft Structure Plan

Appendix 3.2: Development Approval

Volume 3.2 – This Volume

Appendix 4: Concept Rehabilitation Management Plan

Appendix 5: Database Searches and Assessment

Appendix 5.1: Protected Matters Search Tool

Appendix 5.2: WildNet Extract

Appendix 5.3: Likelihood of Occurrence Criteria

Volume 3.3

Appendix 6: Terrestrial Ecological Assessments

Appendix 6.1: Ecological Report, BAAM 2018

Appendix 6.2: Ecological Assessment Report, 28 South

Appendix 6.3: Black Sheoak Assessment in Moogurrupum Creek Interface area, 28 South

Appendix 6.4: Joint Ecological Report

Appendix 6.5: Statement of Evidence

Volume 3.4

Appendix 7: Vegetation and Fauna Management Plan

Appendix 8: BioCondition Data Sheets – Project Area

Appendix 9: Regulated Vegetation Management Map – Project Area

Appendix 10: Wildlife Management Infrastructure

Volume 3.5

Appendix 11: Habitat Quality Assessments – Project Area

Appendix 11.1: Modified HQA Koala

Appendix 11.2: Alternative HQA, Grey-headed Flying-fox

Volume 3.6

Appendix 12: Offset Management Plan

Appendix 12.1: Woolshed OMP

Volume 3.7

Appendix 12: Offset Management Plan

Appendix 12.2: Thagoona OMP

Volume 3.8

Appendix 13: Regulated Vegetation Management Map – Offset Area

Appendix 13.1: Woolshed Regulated Vegetation Management Mapping

Appendix 13.2: Thagoona Regulated Vegetation Management Mapping

Volume 3.9

Appendix 14: BioCondition Data Sheets – Offset Area

Appendix 14.1: Woolshed Biocondition Data Sheets

Appendix 14.2: Thagoona Biocondition Data Sheets

Volume 3.10

Appendix 15: Habitat Quality Assessments – Offset Area

Appendix 15.1: Woolshed Koala MHQA

Appendix 15.2: Woolshed Grey-headed Flying-fox Alternate HQA

Appendix 15.3: Thagoona Koala MHQA

Appendix 15.4: Thagoona Grey-headed Flying-fox Alternate HQA

Volume 3.11

Appendix 16: Commonwealth Offset Guide

Appendix 16.1: Woolshed Koala

Appendix 16.2: Woolshed Grey-headed Flying-fox

Appendix 16.3: Thagoona Koala

Appendix 16.4: Thagoona Grey-headed Flying-fox

Appendix 17: QYAC Cultural Heritage Assessment

Appendix 18: Housing Needs Analysis

Appendix: 19: Economic Benefits Analysis

Appendix 4: Concept Rehabilitation Management Plan

Concept Rehabilitation Management Plan

INTRODUCTION

28 South Environmental Pty Ltd (**28 South**) has prepared this Concept Rehabilitation Management Plan (RMP) for the overarching Offset Delivery Strategy associated with the Court Approved Reconfiguration of a Lot Development for Woodbury Precincts 2 - 4. Woodbury Precincts 2 comprises the properties listed below which are collectively referred to herein as the Project Area. *(It should be noted that the precinct lot numbers below are based on the most up-to-date data, rather than what they were referred to when the applications were lodged):*

- 42-44 Double Jump Road, Victoria Point – Lot 23 on SP325035
- 48 Double Jump Road, Victoria Point - Lot 1 on RP86773
- 50 Double Jump Road, Victoria Point - Lot 2 on RP86773
- 52 Double Jump Road, Victoria Point - Lot 5 on SP293881
- 52 Double Jump Road, Victoria Point - Lot 5 on SP293881.

This Concept RMP outlines the rehabilitation Proponent be undertaken to achieve an ecological benefit and address re-establishment / restoration of Koala and Grey-headed Flying-fox habitat throughout the Eastern Corridor to mitigate impacts to Koala and Grey-headed Flying-fox Habitat. The Site is benefitted by several Reconfiguration of a Lot Development Permit Applications (**No. 1612 of 2020, No. 39 of 2021, & No. 40 of 2021**) which have been approved by the Planning and Environment Court Appeal process.

This Concept RMP has been prepared to satisfy conditions listed in the Development Approval Packages attached to the Planning and Environment Judgements dated 14/09/2021, 15/10/2021, 22/10/2022 - All rehabilitation areas

This Concept RMP has been prepared with consideration of the habitat requirements for Koala; *National Recovery Plan for the Koala Phascolarctos cinereus* (DAWE, 2022) and *A review of koala habitat assessment criteria and methods* (Youngentob *et al*, 2021) to guide species selection of Locally Important Koala Habitat Trees (**LIKHT**) and Ancillary Habitat Trees (**AHT**) and Grey-headed Flying-fox; *National Recovery Plan for the Grey-headed Flying-fox* (DAWE, 2021) and *Ranking the feeding habitats of Grey-headed Flying-foxes for conservation management* (Eby and Law 2008) to guide species selection based upon reliability and frequency of flowering.

This Concept RMP includes details of the proposed treatment methods, maintenance periods and other specifications to be adhered to by the applicant and in accordance with the RCC Planning Scheme¹.

¹ and the Queensland Environmental Offsets Policy

Rehabilitation Areas

The three rehabilitation areas align with:

- Eastern (Moogurrapum Creek) Enhancement Corridor
- Northern Enhancement Corridor
- Western Enhancement Area.

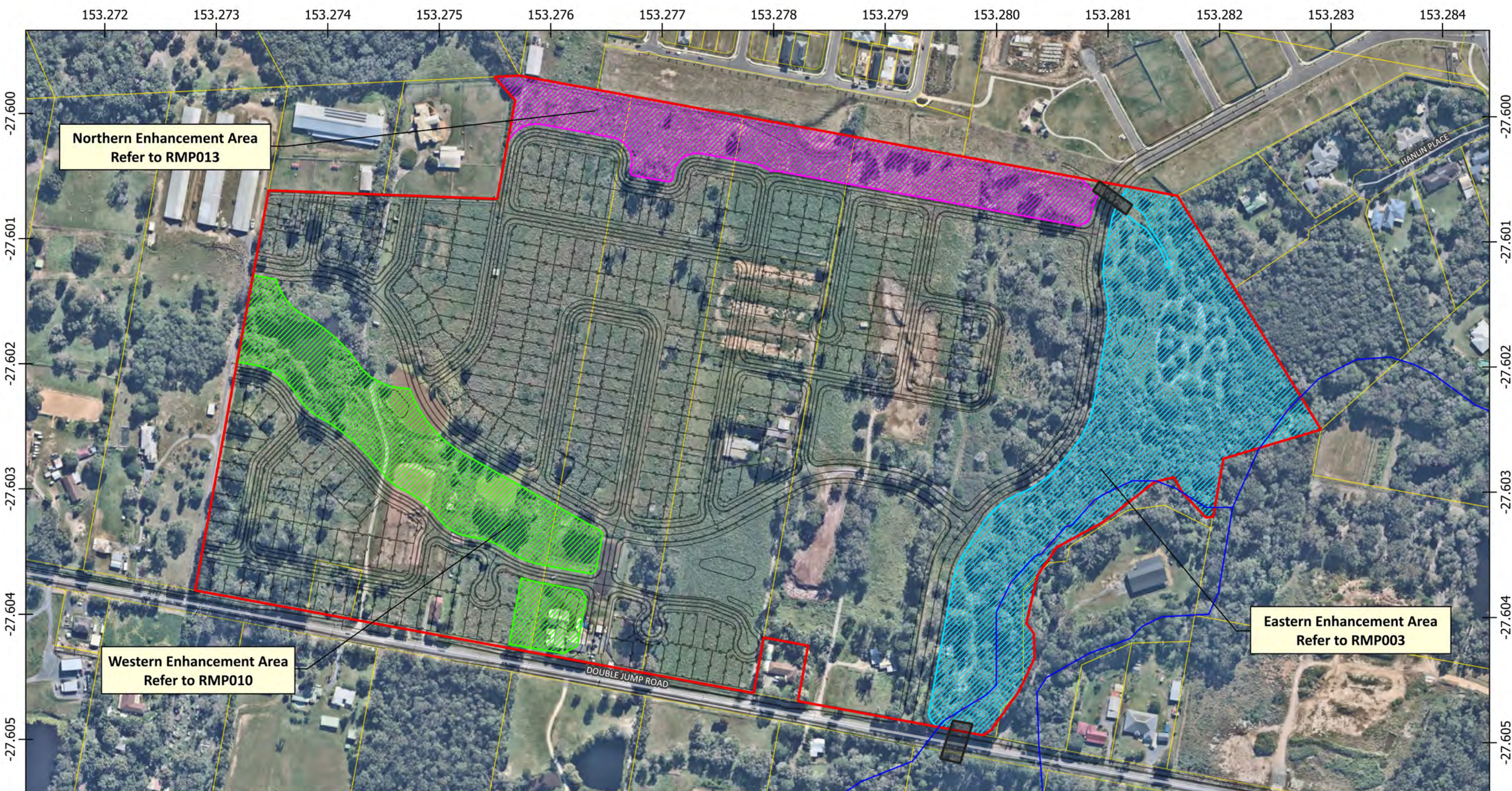
ODP002 outlines the location and size of each rehabilitation areas which have been ground-truthed by 28 South as suitable to support revegetation and rehabilitation efforts. It is understood that each of the areas of rehabilitation, will at plan sealing, be dedicated to Redland City Council and be assigned to the Environmental Protection Zone.

The revegetation and rehabilitation work will provide a tangible benefit to Koala (and other species habitat values and ecological values by strategically locating offsets within areas that are currently highly disturbed but are proposed for conservation. Further, the works will result in a positive conservation outcome in accordance with RCC Planning Scheme and achieve a diverse and functional ecosystem based on the preclear regional ecosystems for each rehabilitation area being RE 12.3.6, 12.9-10.4 and 12.12.14. The establishment of this revegetation will further consolidate and enhance the broader intact habitats to the north and east of the Site and further afield in the immediately locality of the Site.

A total of nine (9) management units (**MUs**) have been identified for this Concept RMP. Each MU will be subject to 5 years maintenance as per the Queensland Environmental Offsets Policy. Management measures for each MU has been derived from in-field detailed inspection and prepared in line with the SMART principals (Specific, Measurable, Achievable, Realistic & Timed). Management measures have also been prepared to ensure that temporal conditions can be reacted to and place greater accountability on the engaged contractor to utilise the most appropriate measures based on the proposed goals and on-ground temporal conditions.

TIMING

Any works associated with this Concept RMP will be commenced as part of the operational works for Precinct 3 (clearing and construction works). Works will also coincide with the other ecological restoration works identified over the balance of the areas proposed for retention and enhancement. Should works reach their target prior to the cessation of the Development’s operational works, they must be inspected and approved for completion.



Double Jump Road Conceptual RMP

RMP002

28 South Project Ref: 2019-100e

Source: C:\Users\Mitch\Dropbox\Projects\2019\2019-100e (Sutgold - EPBC Woodbury Precincts)\Data\GIS\Woodbury EPBC Referral (GDA2020).qgz

The spatial data referenced within this map has been obtained from a variety of verified and licensed sources, as follows: Relevant local government data portals, DoR's QSpatial data catalogue, 28 South Environmental, clients and associates. Aerial imagery is sourced from NearMap, Google Satellite and the DoR repositories QImagery and QGlobe.

28°S
ENVIRONMENTAL

Links to data sources can be provided upon request.

Legend

Project Area Boundary

Property Boundaries

Road

Waterway/overland flow path

Future fauna underpass

Rehabilitation Areas

Northern Enhancement Corridor [2.28 ha]

Eastern Enhancement Corridor [5.26 ha]

Western Enhancement Corridor [2.56 ha]

Issue Date

Dwg No.

Author

16-10-2024

MO

Approved

Revision Note

AD

v1.3

GDA2020 MGA 56

1:3,250

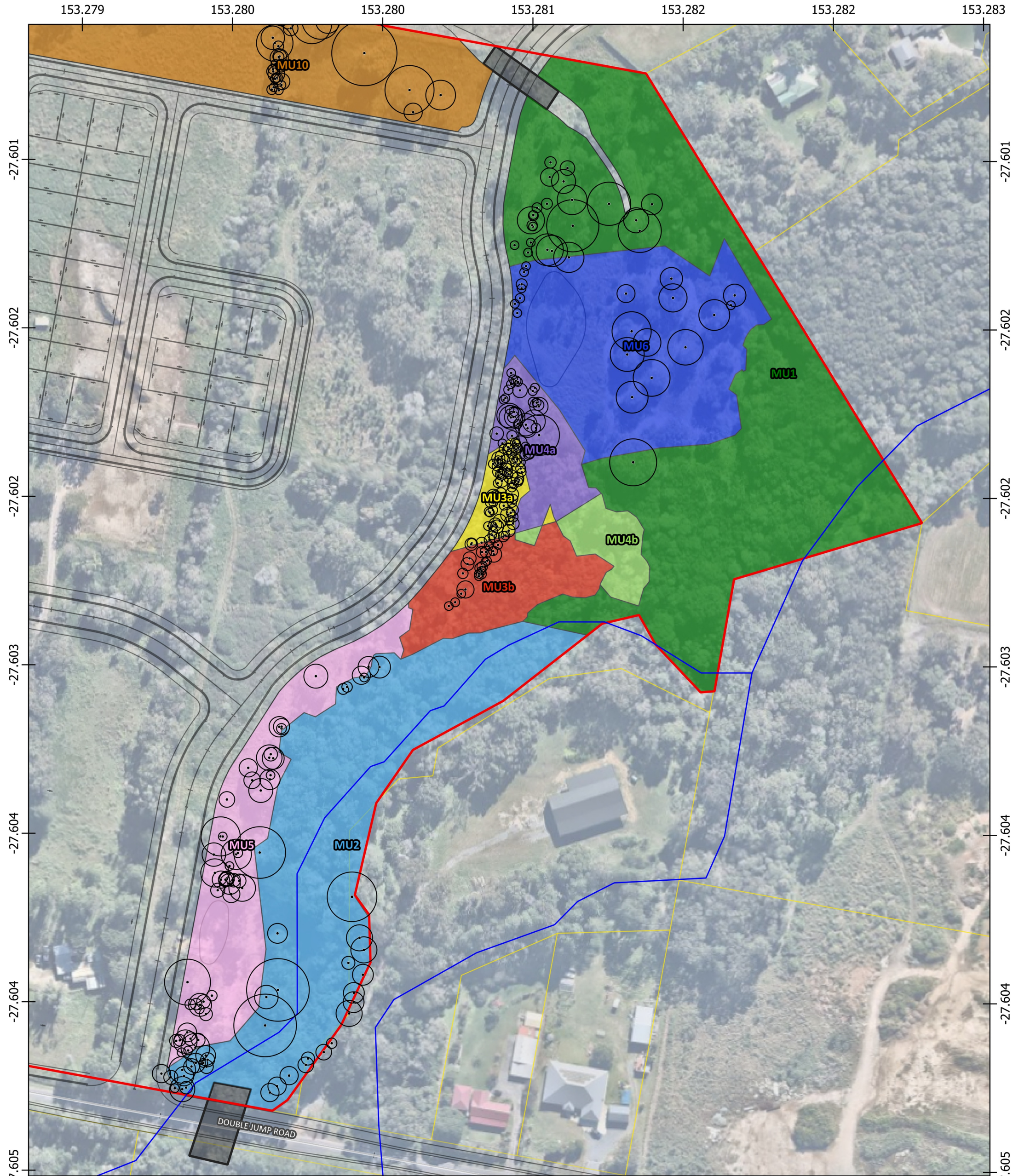
0

50

100

150 m

N



RMP003

28 South Project Ref: 2019-100e

Source: C:\Users\Mitchell\Dropbox\Projects\2019\2019-100e (Sutgold - EPBC Woodbury Precincts)\Data\GIS\Woodbury EPBC Referral (GDA2020).qgz

The spatial data referenced within this map has been obtained from a variety of verified and licensed sources, as follows: Relevant local government data portals, DoR's Q5patial data catalogue, 28 South Environmental, clients and associates. Aerial imagery is sourced from NearMap, Google Satellite and the DoR repositories QImagery and QGlobe.

Links to data sources can be provided upon request.

28°S

ENVIRONMENTAL

Project Area Boundary

Property Boundaries

Road

Waterway/overland flow path

Future fauna underpass

Tree Protection Zone

Eastern Enhancement Corridor Management Units

MU1 [1.908 ha]

MU2 [1.206 ha]

MU3a [0.092 ha]

MU3b [0.297 ha]

MU4a [0.199 ha]

MU4b [0.122 ha]

MU5 [0.544 ha]

MU6 [0.881 ha]

Issue Date

Dwg No.

Author

09-07-2026

MO

Approved

Revision Note

AD

v1.4

GDA2020 MGA 56

1:1,599.999998

0

15

30

45 m

N

Management Unit 1 - Strategy

MU 1 as shown on sheet RMP003 is located within the Eastern (Moogurrapum Creek) Enhancement Area and totals 1.56 ha in size . The MU currently supports native vegetation comprising of a mosaic of different communities including black she-oak regrowth that contains regenerating Koala and Grey-headed Flying-fox forage trees as well as regenerating to remnant Eucalypt forest with components containing paperbark trees. The pre-clear REs for MU 1 include RE 12.3.6, 12.9-10.4 and 12.12.14.

The maintenance period for MU 1 is 5 years from the commencement of rehabilitation works.

The intent for this MU is to allow for natural regeneration of this previously disturbed community toward a fully functional and layered open forest.

Assisted Natural Regeneration Requirements

The Assisted Natural Regeneration (ANR) management approach to this MU will take advantage of the natural resilience and functionality of the existing communities, while promoting the regeneration of native vegetation through the removal of stock and exotic weed species. The intent for this MU is to undertake targeted pest plant treatment and removal with a specific focus on the within the understory.

No planting is proposed for this MU, unless natural regeneration of native canopy, shrub and groundcover species are lacking from the ANR suite of species.



Management Unit 2 - Strategy

MU 2 as shown on sheet RMP003 is located within the Eastern (Moogurrapum Creek) Enhancement Area and totals 1.22 ha in area. The MU currently supports highly degraded mid-storey and groundcover layers with a canopy dominated by Cocos Palms and scattered paperbark.

The maintenance period for MU 2 is 5 years from the commencement of rehabilitation works.

The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.3.6. Given the existing extent and condition of the native vegetation, works associated with the MU will include weed removal (dense areas of Cocos Palm).

Koala Forage and Shelter Habitat

A minimum of 1033 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus tereticornis* – minimum of 552 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 481 AHT

Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 914 important winter and spring flowering blossom species comprising; *Eucalyptus tereticornis*, *Melaleuca quinquenervia* and *Corymbia intermedia* will be planted.

Reconstruction and Planting Requirements

Revegetation must utilise the species and densities identified in **Table 1**. It is noted that not all species may be available at the time of works. Subsequent species listed under the REDD prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 1 - Planting Palette for MU 2 (derived from RE 12.3.6)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus tereticornis</i>	Queensland blue gum	75% or a min. of 552 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink bloodwood	25% or a min. of 184 stems	
Sub-canopy and Shrub			
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	30% or a min. of 178 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Lophostemon suaveolens</i>	Swamp box	20% or a min. of 119 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Banksia oblongifolia</i>	Fern-leaved banksia	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	10%	
<i>Glochidion ferdinandi</i>	Cheese tree	5%	
<i>Acacia disparrima</i> subsp. <i>disparrima</i>	Hickory wattle	5%	
Understory			
<i>Imperata cylindrica</i>	Blady grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Ottochloa gracilima</i>	Graceful grass	15%	
<i>Themeda triandra</i>	Kangaroo grass	15%	
<i>Entolasia stricta</i>	Wiry panic	10%	
<i>Gahnia aspera</i>	Red saw sedge	10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Dianella caerulea</i>	Blue falx lily	5%	
<i>Stephania japonica</i>	Tape vine	15%	
<i>Heteropogon contortus</i>	Black spear grass	5%	
<i>Juncus usitatus</i>	Common rush	5%	

Management Unit 3 - Strategy

MU 3 comprises of sub-units MU 3a and MU 3b, is located within the Eastern (Moogurrapum Creek) Enhancement Area and, which are 0.087 ha and 0.294 ha in area, respectively. The MU currently supports black she-oak regrowth with a lack of Koala and Grey-headed Flying-fox habitat trees present. The preclear REs for MU 3a and MU 3b are RE 12.12.14 and 12.3.6, respectively.

The maintenance period for MU 2 is 5 years from the commencement of rehabilitation works.

The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.12.14 and 12.3.6. Given the existing extent and condition of the native vegetation, works associated with the MU will include weed removal and revegetation of the following:

- MU 3a – will be subject to Assisted Natural Regeneration Requirements. No planting is proposed for this MU, unless natural regeneration of native canopy, shrub and groundcover species are lacking from the ANR suite of species.

- MU 3b – a **minimum of 67 KHTs** in the canopy and sub-canopy layers (94 stems being 50% of the preclear stem per hectare rate for RE 12.3.6).

MU3b Koala Forage and Shelter Habitat

A minimum of 93 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus tereticornis* – minimum of 67 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 25+ AHT

MU3b Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 91 important winter and spring flowering blossom species comprising; *Eucalyptus tereticornis*, *Melaleuca quinquenervia* and *Corymbia intermedia* will be planted.

Reconstruction and Planting Requirements

Revegetation must utilise the species and densities for MU 3a and 3b that are identified in **Tables 2** and **3**, respectively. It is noted that not all species may be available at the time of works. Subsequent species listed under the REDD prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 2 - Planting Palette for MU 3a (derived from RE 12.12.14)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus carnea</i>	White mahogany	50%	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Eucalyptus racemosa subsp. racemosa</i>	Scribbly gum	25%	
<i>Eucalyptus microcorys</i>	Tallowwood	15%	
<i>Corymbia intermedia</i>	Pink Bloodwood	10%	
Sub-canopy and Shrub			
<i>Lophostemon confertus</i>	Brush box	20%	Shrub plantings should be established at 1/9m ²
<i>Allocasuarina littoralis</i>	Black she-oak	15%	
<i>Pultanaea villosa</i>	Kerosene bush	10%	
<i>Hakea florulenta</i>	Hakea	10%	

<i>Acacia melanoxylon</i>	Black wattle	15%	(~3m spacing)
<i>Allocasuarina torulosa</i>	Forest oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Breynia oblongifolia</i>	Coffee bush	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	
Understory			
<i>Themeda triandra</i>	Kangaroo grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Lomandra confertifolia subsp. pallida</i>	Lomandra	15%	
<i>Lomandra laxa</i>	Lomandra	10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Entolasia stricta</i>	Wiry panic	5%	
<i>Imperata cylindrica</i>	Blady grass	20%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Hardenbergia violacea</i>	Native sarsaparilla	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	

Table 3 - Planting Palette for MU 3b (derived from RE 12.3.6)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus tereticornis</i>	Queensland blue gum	75% or a minimum of 50 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink bloodwood	25% or a minimum of 17 stems	
Sub-canopy and Shrub			
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	30% or a minimum of 14 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Lophostemon suaveolens</i>	Swamp box	20% or a minimum of 9 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Banksia oblongifolia</i>	Fern-leaved banksia	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	10%	
<i>Glochidion ferdinandi</i>	Cheese tree	5%	
<i>Acacia disparrima subsp. disparrima</i>	Hickory wattle	5%	
Understory			
<i>Imperata cylindrica</i>	Blady grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Ottochloa gracilima</i>	Graceful grass	15%	
<i>Themeda triandra</i>	Kangaroo grass	15%	
<i>Entolasia stricta</i>	Wiry panic	10%	
<i>Gahnia aspera</i>	Red saw sedge	10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Dianella caerulea</i>	Blue falx lily	5%	
<i>Stephania japonica</i>	Tape vine	15%	
<i>Heteropogon contortus</i>	Blac spear grass	5%	
<i>Juncus usitatus</i>	Common rush	5%	

Management Unit 4 - Strategy

MU 4 as shown on sheet RMP003 is located within the Eastern (Moogurrapum Creek) Enhancement Area and totals and comprises sub-units MU 4a and MU 4b, which are 0.189 ha and 0.122 ha in area, respectively. The MU currently supports scattered mature paperbark over dense *Lantana camara** (lantana). The preclear REs for MU 4a and MU 4b are RE 12.12.14 and 12.3.6, respectively.

The maintenance period for MU 2 is 5 years from the commencement of rehabilitation works.

The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.12.14 and 12.3.6. Given the existing extent and condition of the native vegetation, works associated with the MU will include weed removal and revegetation of the following:

- MU 4a – a **minimum of 70 KHTs** in the canopy and sub-canopy layers (89 stems being 75% of the preclear stem per hectare rate for RE 12.12.14);
- MU 4b – a **minimum of 57 KHTs** in the canopy and sub-canopy layers (56 stems being 75% of the preclear stem per hectare rate for RE 12.3.6).

MU4a Koala Forage and Shelter Habitat

A minimum of 63 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus carnea*, *Eucalyptus racemosa*, *Eucalyptus microcorys* minimum of 63 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 20 AHT

MU4a Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 20 important winter and spring flowering blossom species comprising; *Corymbia intermedia* and *Lophostemon confertus* will be planted.

Table 4 - Planting Palette for MU 4a (derived from RE 12.12.14)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus carnea</i>	White mahogany	50% or a min of 35 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Eucalyptus racemosa</i> subsp. <i>racemosa</i>	Scribbly gum	25% or a min of 17 stems	
<i>Eucalyptus microcorys</i>	Tallowwood	15% or a min of 11 stems	
<i>Corymbia intermedia</i>	Pink Bloodwood	10% or a min of 7 stems	
Sub-canopy and Shrub			
<i>Lophostemon confertus</i>	Brush box	20% or a minimum of 13 stems	Shrub plantings should be established at 1/16m ² (~4m spacing)
<i>Allocasuarina littoralis</i>	Black she-oak	15%	
<i>Pultanaea villosa</i>		10%	
<i>Hakea florulenta</i>	Hakea	10%	
<i>Acacia melanoxylon</i>	Black wattle	15%	
<i>Allocasuarina torulosa</i>	Forest oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Breynia oblongifolia</i>	Coffee bush	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	
Understory			
<i>Themeda triandra</i>	Kangaroo grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Lomandra confertifolia</i> subsp. <i>pallida</i>	a lomandra	15%	
<i>Lomandra laxa</i>	a lomandra	10%	

<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Entolasia stricta</i>	Wiry panic	5%	
<i>Imperata cylindrica</i>	Blady grass	20%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Hardenbergia violacea</i>	Native sarsaparilla	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	

Koala Forage and Shelter Habitat

A minimum of 78 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus tereticornis* – minimum of 43 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 35 AHT

Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 914 important winter and spring flowering blossom species comprising; *Eucalyptus tereticornis*, *Melaleuca quinquenervia* and *Corymbia intermedia* will be planted.

Table 5 - Planting Palette for MU 4b (derived from RE 12.3.6)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus tereticornis</i>	Queensland blue gum	75% or a min of 43 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink bloodwood	25% or a min of 13 stems	
Sub-canopy and Shrub			
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	30% or a min of 13 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Lophostemon suaveolens</i>	Swamp box	20% or a min of 9 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Banksia oblongifolia</i>	Fren-leaved banksia	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	10%	
<i>Glochidion ferdinandi</i>	Cheese tree	5%	
<i>Acacia disparrima</i> subsp. <i>disparrima</i>	Hickory wattle	5%	
Understory			
<i>Imperata cylindrica</i>	Blady grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Ottochloa gracilima</i>	Graceful grass	15%	
<i>Themeda triandra</i>	Kangaroo grass	15%	
<i>Entolasia stricta</i>	Wiry panic	10%	
<i>Gahnia aspera</i>	Red saw sedge	10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Dianella caerulea</i>	Blue falx lily	5%	
<i>Stephania japonica</i>	Tape vine	15%	
<i>Heteropogon contortus</i>	Blac spear grass	5%	
<i>Juncus usitatus</i>	Common rush	5%	

Reconstruction and Planting Requirements

Revegetation must utilise the species and densities for MU 4a and 4b that are identified in **Tables 4** and **5**, respectively. It is noted that not all species may be available at the time of works. Subsequent species listed under

the REDD prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Management Unit 5 – Strategy

MU 5 as shown on sheet RMP003 is located within the Eastern (Moogurrapum Creek) Enhancement Area and totals 0.507 ha in area. The MU currently supports cleared open exotic grassland and landscaping plantings associated with the existing dwelling. The pre-clear RE for MU 5 is RE 12.3.6.

The maintenance period for MU 5 is **5 years** from the commencement of rehabilitation works.

The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.3.6. Given the existing extent and condition of the native vegetation, works associated with the MU will include weed removal and revegetation of a **minimum of 540 KHTs** in the canopy and sub-canopy layers. Upon completion of the initial weed eradication effort, the MU is to be actively prepared for planting through slashing, spraying and establishing planting areas.

Koala Forage and Shelter Habitat

A minimum of 78 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus tereticornis* – minimum of 193 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 347 AHT

Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 427 important winter and spring flowering blossom species comprising; *Eucalyptus tereticornis*, *Melaleuca quinquenervia* and *Corymbia intermedia* will be planted.

Reconstruction and Planting Requirements

Revegetation efforts must be undertaken utilising the species at the densities identified within **Table 6**. It is noted that not all species may be available at the time of works. Subsequent species listed under the Regional Ecosystem Definition Data (**REDD**) prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU.

Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 6 – Planting Palette for MU 5 (derived from RE 12.3.6)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus tereticornis</i>	Queensland blue gum	75% or a min of 193 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink bloodwood	25% or a min of 65 stems	
Sub-canopy and Shrub			
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	30% or a min of 169 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Lophostemon suaveolens</i>	Swamp box	20% or a min of 113 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Banksia oblongifolia</i>	Fern-leaved banksia	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	10%	
<i>Glochidion ferdinandi</i>	Cheese tree	5%	
<i>Acacia disparrima</i> subsp. <i>disparrima</i>	Hickory wattle	5%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
Understory			
<i>Imperata cylindrica</i>	Blady grass	20%	
<i>Ottochloa gracilima</i>	Graceful grass	15%	
<i>Themeda triandra</i>	Kangaroo grass	15%	
<i>Entolasia stricta</i>	Wiry panic	10%	
<i>Gahnia aspera</i>	Red saw sedge	10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Dianella caerulea</i>	Blue falx lily	5%	
<i>Stephania japonica</i>	Tape vine	15%	
<i>Heteropogon contortus</i>	Blac spear grass	5%	
<i>Juncus usitatus</i>	Common rush	5%	

Management Unit 6 – Strategy

MU 6 as shown on sheet RMP003 is located within the Eastern (Moogurrapum Creek) Enhancement Area and totals 0.45 ha in area. The MU currently supports cleared open exotic grassland. The pre-clear RE for MU 5 is RE 12.12.14.

The maintenance period for MU 5 is 5 years from the commencement of rehabilitation works.

The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.12.14. Given the existing extent and condition of the native vegetation, works associated with the MU will include weed removal and revegetation of a **minimum of 318 KHTs** in the canopy and sub-canopy layers. Upon completion of the initial weed eradication effort, the MU is to be actively prepared for planting through slashing, spraying and establishing planting areas.

Koala Forage and Shelter Habitat

A minimum of 78 Koala Habitat Trees (**KHTs**) (LIKHTs + AHTs) in the canopy and sub-canopy layers:

- LIKHTs to be planted: *Eucalyptus cornea*, *Eucalyptus racemosa*, *Eucalyptus microcorys tereticornis* – minimum of 247 LIKHT
- AHTs to be planted: *Melaleuca quinquenervia*, *Corymbia intermedia*, *Lophostemon suaveolens*, *Allocasuarina littoralis* – minimum of 71 AHT

Grey-headed Flying-fox Important Winter and Spring Flowering Blossom Foraging Habitat

A minimum of 27 important winter and spring flowering blossom species *Corymbia intermedia* will be planted.

Reconstruction and Planting Requirements

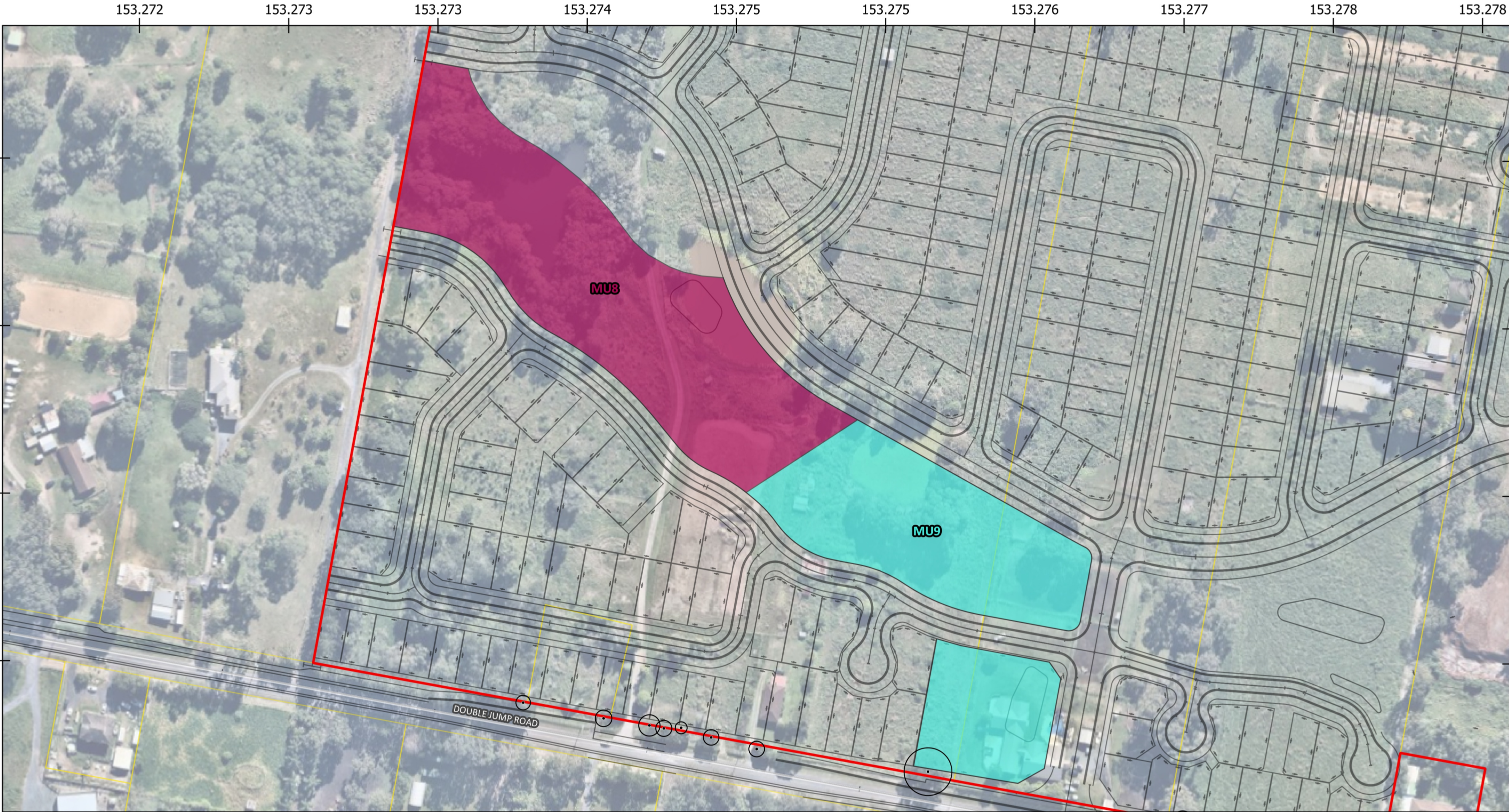
Revegetation efforts must be undertaken utilising the species at the densities identified within **Table 7**. It is noted that not all species may be available at the time of works. Subsequent species listed under the Regional Ecosystem Definition Data (**REDD**) prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is

recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 7 - Planting Palette for MU 6 (derived from RE 12.12.14)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus carnea</i>	White mahogany	50% or a min. of 137 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Eucalyptus racemosa subsp. racemosa</i>	Scribbly gum	25% or a min. of 69 stems	
<i>Eucalyptus microcorys</i>	Tallowwood	15% or a min. of 41 stems	
<i>Corymbia intermedia</i>	Pink Bloodwood	10% or a min. of 27 stems	
Sub-canopy and Shrub			
<i>Lophostemon confertus</i>	Brush box	20% or a min. of 44 stems	Shrub plantings should be established at 1/16m ² (~4m spacing)
<i>Allocasuarina littoralis</i>	Black she-oak	15%	
<i>Pultanaea villosa</i>		10%	
<i>Hakea florulenta</i>	Hakea	10%	
<i>Acacia melanoxylon</i>	Black wattle	15%	
<i>Allocasuarina torulosa</i>	Forest oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Breynia oblongifolia</i>	Coffee bush	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
Understory			
<i>Themeda triandra</i>	Kangaroo grass	20%	
<i>Lomandra confertifolia subsp. pallida</i>		15%	
<i>Lomandra laxa</i>		10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Entolasia stricta</i>	Wiry panic	5%	
<i>Imperata cylindrica</i>	Blady grass	20%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Hardenbergia violacea</i>	Native sarsaparilla	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	



Double Jump Road Conceptual RMP

RMP010

28 South Project Ref: 2019-100e

Source: C:\Users\Mitchell\Dropbox\Projects\2019\2019-100e (Sutgold - EPBC Woodbury Precincts)\Data\GIS\Woodbury EPBC Referral (GDA2020).qgz

28°S

ENVIRONMENTAL

The spatial data referenced within this map has been obtained from a variety of verified and licensed sources, as follows: Relevant local government data portals, DoR's QSpatial data catalogue, 28 South Environmental, clients and associates. Aerial imagery is sourced from NearMap, Google Satellite and the DoR repositories QImagery and QGlobe.

Links to data sources can be provided upon request.

Project Area Boundary

Property Boundaries

Road

Waterway/overland flow path

Future fauna underpass

Tree Protection Zone

Western Enhancement Corridor Management Units

MU8 [1.418 ha]

MU9 [1.138 ha]

Issue Date	Dwg No.	Author
09-07-2026		MO
Approved	Revision Note	
AD	v1.4	

GDA2020 MGA 56

1:1,749.999998

0

20

40

60 m

N

Management Unit 8 – Strategy

MU 8 as shown on sheet RMP010 is located within the Western Enhancement Area and totals 1.441 ha in area. The MU currently supports open exotic grassland and highly disturbed vegetation associated with a dam within this MU. The pre-clear RE for MU 8 is RE 12.9-10.4.

The maintenance period for MU 8 is 5 years from the commencement of rehabilitation works.

MU 8 forms part of the south-western conservation area for Precinct 3. The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.9-10.4. Upon completion of the initial weed eradication effort, the MU is to be actively prepared for planting through slashing, spraying and establishing planting areas.

Reconstruction and Planting Requirements

Revegetation efforts must then be undertaken utilising the species at the densities identified within **Table 8**. It is noted that not all species may be available at the time of works. Subsequent species listed under the Regional Ecosystem Definition Data (**REDD**) prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 8 - Planting Palette for MU 8 (derived from RE 12.9-10.4)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus racemosa subsp. racemosa</i>	Scribbly gum	40% or a min. of 284 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink Bloodwood	30% or a min. of 213 stems	
<i>Angophora leiocarpa</i>	Smooth-barked apple	15% or a min. of 106 stems	
<i>Eucalyptus siderophloia</i>	Northern grey ironbark	10% or a min. of 71 stems	
<i>Angophora woodsiana</i>	Smudgee apple	5% or a minimum of 35 stems	
Sub-canopy and Shrub			
<i>Lophostemon suaveolens</i>	Swamp box	15% or a min. of 105 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	10% or a min. of 70 stems	
<i>Lophostemon confertus</i>	Brush box	5% or a min. of 35 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Banksia integrifolia</i>	Coast banksia	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	5% or a min. of 35 stems	
<i>Persoonia stradbokensis</i>	Geebung	5%	
<i>Petalostigma pubescens</i>	Quinine Bush	5%	
<i>Leptospermum polygalifolium</i>	Wild may	5%	
<i>Jagera pseudorhus</i>	Foam bark	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	
<i>Hakea florulenta</i>	Hakea	5%	
<i>Leptospermum trinervium</i>	Tea-tree paperbark	5%	
Understory			
<i>Imperata cylindrica</i>	Blady grass	15%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Gahnia sieberiana</i>	Red fruited saw-sedge	15%	
<i>Themeda triandra</i>	Kangaroo grass	10%	
<i>Alloteropsis semialata</i>	Cockatoo grass	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	
<i>Boronia rosmarinifolia</i>	Forest rose	5%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Lomandra multiflora</i>	Many flowered mat rush	15%	
<i>Eustrephus latifolius</i>	Wombat berry	5%	
<i>Lepidospermum variable</i>	Variable sword sedge	5%	
<i>Gahnia aspera</i>	Saw sedge	5%	
<i>Cymbopogon refractus</i>	Barbed wire grass	5%	
<i>Goodenia rotundifolia</i>	Star goodenia	5%	
<i>Smilax australis</i>	Barbed wire vine	5%	

Management Unit 9 – Strategy

MU 9 as shown on sheet RMP010 is located within the Western Enhancement Area and totals 1.185 ha in area. The MU currently supports open exotic grassland and highly disturbed vegetation associated with a dam within this MU. The pre-clear RE for MU 9 is RE 12.12.14.

The maintenance period for MU 9 is 5 years from the commencement of rehabilitation works.

MU 9 forms part of the south-western conservation area for Precinct 3. The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.12.14. Upon completion of the initial weed eradication effort, the MU is to be actively prepared for planting through slashing, spraying and establishing planting areas.

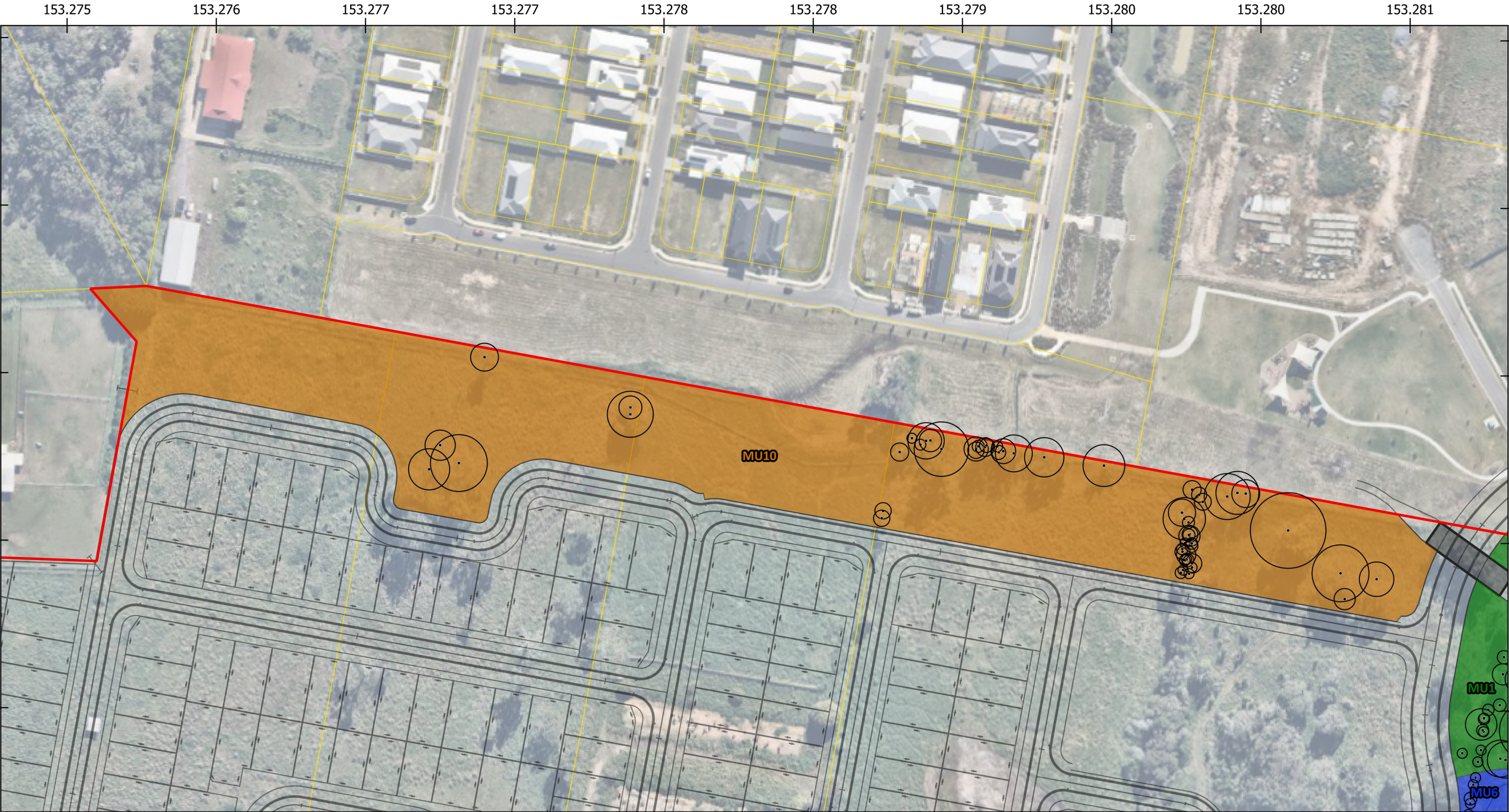
Reconstruction and Planting Requirements

Revegetation efforts must then be undertaken utilising the species at the densities identified within Table 9. It is noted that not all species may be available at the time of works. Subsequent species listed under the Regional Ecosystem Definition Data (REDD) prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 9 - Planting Palette for MU 9 (derived from RE 12.12.14)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus carnea</i>	White mahogany	50% or a min. of 347 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Eucalyptus racemosa subsp. racemosa</i>	Scribbly gum	25% or a min. of 174 stems	
<i>Eucalyptus microcorys</i>	Tallowwood	15% or a min. of 104 stems	
<i>Corymbia intermedia</i>	Pink Bloodwood	10% or a min. of 70 stems	
Sub-canopy and Shrub			
<i>Lophostemon confertus</i>	Brush box	20% or a min. of 115 stems	Shrub plantings should be established at 1/16m ² (~4m spacing)
<i>Allocasuarina littoralis</i>	Black she-oak	15%	
<i>Pultanaea villosa</i>		10%	
<i>Hakea florulenta</i>	Hakea	10%	
<i>Acacia melanoxylon</i>	Black wattle	15%	
<i>Allocasuarina torulosa</i>	Forest oak	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Breynia oblongifolia</i>	Coffee bush	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	
Understory			
<i>Themeda triandra</i>	Kangaroo grass	20%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Lomandra confertifolia subsp. pallida</i>		15%	
<i>Lomandra laxa</i>		10%	
<i>Pteridium esculentum</i>	Bracken fern	10%	
<i>Entolasia stricta</i>	Wiry panic	5%	
<i>Imperata cylindrica</i>	Blady grass	20%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Hardenbergia violacea</i>	Native sarsaparilla	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	



Double Jump Road Conceptual RMP

RMP013

28 South Project Ref: 2019-100e

Source: C:\Users\Mitchell\Dropbox\Projects\2019\2019-100e (Sutgold - EPBC Woodbury Precincts)\Data\GIS\Woodbury EPBC Referral (GDA2020).qgz

The spatial data referenced within this map has been obtained from a variety of verified and licensed sources, as follows: Relevant local government data portals, DoR's QSpatial data catalogue, 28 South Environmental, clients and associates. Aerial imagery is sourced from NearMap, Google Satellite and the DoR repositories QImagery and QGlobe.

28°S

ENVIRONMENTAL

Links to data sources can be provided upon request.

Project Area Boundary

Property Boundaries

Road

Waterway/overland flow path

Future fauna underpass

Tree Protection Zone

Northern Enhancement Corridor Management Units

MU10 [2.28 ha]

Issue Date

Dwg No.

Author

09-07-2026

MO

Approved

Revision Note

AD

v1.4

GDA2020 MGA 56

1:1,499.999998

0

20

40

60 m

N

Management Unit 10 – Strategy

MU 10 as shown on sheet RMP010 is located within the Northern Enhancement Area and totals 2.116 ha in area. The MU currently supports open exotic grassland with scattered trees. The pre-clear RE for MU 10 is RE 12.9-10.4.

The maintenance period for MU 10 is 5 years from the commencement of rehabilitation works.

MU 10 forms the northern conservation area for Precinct 3. The intent for this MU is to re-establish a fully functional and layered open forest reflecting the preclear RE 12.9-10.4. Upon completion of the initial weed eradication effort, the MU is to be actively prepared for planting through slashing, spraying and establishing planting areas.

Reconstruction and Planting Requirements

Revegetation efforts must then be undertaken utilising the species at the densities identified within **Table 10**. It is noted that not all species may be available at the time of works. Subsequent species listed under the Regional Ecosystem Definition Data (**REDD**) prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Regular maintenance must be undertaken to ensure plant establishment is successful and any failed plantings can be appropriately replaced to ensure the achievement of 1 plant per 1 m². Further, regular monitoring must coincide with weed management to remove pest plants that may continue to persist within the MU. Mechanical and chemical methods for weed removal are prescribed and it is at the discretion of the Restoration Contractor to use the most suitable method. All weed treatment and removal methods must be undertaken in accordance with the methods specified in the South East Queensland Ecological Restoration Framework Manual. It is recommended that the restoration contractor considers staging the works for this MU to ensure sufficient depletion of the pest plant seed bank prior to the establishment of native plants.

Table 10 - Planting Palette for MU 10 (derived from RE 12.9-10.4)

Botanical Name	Common Name	Dominance (%)	Density
Canopy			
<i>Eucalyptus racemosa subsp. racemosa</i>	Scribbly gum	40% or a min. of 509 stems	Canopy plantings should be established at 1/16m ² (~4m spacing)
<i>Corymbia intermedia</i>	Pink Bloodwood	30% or a min. of 382 stems	
<i>Angophora leiocarpa</i>	Smooth-barked apple	15% or a min. of 191 stems	
<i>Eucalyptus siderophloia</i>	Northern grey ironbark	10% or a min. of 127 stems	
<i>Angophora woodsiana</i>	Smudgee apple	5% or a min. of 64 stems	
Sub-canopy and Shrub			
<i>Lophostemon suaveolens</i>	Swamp box	15% or a min. of 154 stems	Shrub plantings should be established at 1/9m ² (~3m spacing)
<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	10% or a min. of 103 stems	
<i>Lophostemon confertus</i>	Brush box	5% or a min. of 51 stems	
<i>Allocasuarina littoralis</i>	Black she-oak	10%	
<i>Banksia integrifolia</i>	Coast banksia	10%	
<i>Alphitonia excelsa</i>	Red ash	10%	
<i>Melaleuca salicina</i>	Willow bottlebrush	5% or a min. of 51 stems	
<i>Persoonia stradbrokeensis</i>	Geebung	5%	
<i>Petalostigma pubescens</i>	Quinine Bush	5%	
<i>Leptospermum polygalifolium</i>	Wild may	5%	
<i>Jagera pseudorhus</i>	Foam bark	5%	
<i>Jacksonia scoparia</i>	Dogwood	5%	
<i>Hakea florulenta</i>	Hakea	5%	
<i>Leptospermum trinervium</i>	Tea-tree paperbark	5%	
Understory			
<i>Imperata cylindrica</i>	Blady grass	15%	Groundcover plantings should be established at 1/1m ² (~1m spacing)
<i>Gahnia sieberiana</i>	Red fruited saw-sedge	15%	
<i>Themeda triandra</i>	Kangaroo grass	10%	
<i>Alloteropsis semialata</i>	Cockatoo grass	10%	
<i>Acrotriche aggregata</i>	Red ground berry	5%	
<i>Boronia rosmarinifolia</i>	Forest rose	5%	
<i>Dianella caerulea</i>	Blue flax lily	5%	
<i>Lomandra multiflora</i>	Many flowered mat rush	15%	
<i>Eustrephus latifolius</i>	Wombat berry	5%	
<i>Lepidospermum variable</i>	Variable sword sedge	5%	
<i>Gahnia aspera</i>	Saw sedge	5%	
<i>Cymbopogon refractus</i>	Barbed wire grass	5%	
<i>Goodenia rotundifolia</i>	Star goodenia	5%	
<i>Smilax australis</i>	Barbed wire vine	5%	

Monitoring

Each MU will require the establishment of a minimum of 2 monitoring points. In order to illustrate the achievement of the Success Criteria, it is important to monitor the restoration progress through collecting a range of data. Monitoring should be undertaken at 6 month intervals and be documented. Upon the completion of the works program **(5 years)**, the monitoring efforts are to be compiled and submitted to RCC. It is the responsibility of the rehabilitation contractor to actively undertake monitoring and achieve the bi-annual records. Data that should be collected includes:

- average height of plants within the restoration area where planted (height in meters for tree, shrub and groundcover species);
- dominant species (qualitative description of the dominant species in each strata);
- assessment of the health of vegetation within the restoration area;
- percentage weed cover within the restoration area;
- percentage of planted specimens survived;
- notation of all natural death or illegal removal of any native plants; and
- abundance of natural recruitment including native and exotic species.

Photographs shall be taken in cardinal directions at each monitoring site which is to consist of a 10 m x 10 m plot. The plot should be marked with star pickets or flagging tape to allow for ease of identification in the field. All works and chemicals used should be logged and documented as part of the Monitoring Program.

The restoration contractor should develop a pro-forma for the collection of relevant monitoring information during all events to ensure consistency and comparability between surveys.

Where actions are required to address instances of non-compliance or plant failure, corrective actions are to be implemented by the rehabilitation contractor. Refer to Corrective Actions detailed in the Landscape Specifications below.

Performance Criteria

The primary objectives and performance criteria for the MU includes:

- Establishment of the required number of NJKHTs for each MU;
- Retention and protection of all native trees;
- Retention and enhancement of all existing native fauna habitat;
- Increase the extent of native vegetation within the ODP timeframe;
- Where practical, improve habitat connectivity and reduce the effects of fragmentation through the encouragement of natural regeneration;
- WoNS and weeds listed under the *Biosecurity Act 2014* are not to be present at the completion of off-maintenance.

- Evidence of at least a 90% reduction in other environmental weeds listed in **Table 9**. The following performance criteria must be adopted:
 - All large weed trees and woody weeds are to be removed or treated in-situ (to ensure they will not re-sprout/re-seed);
 - Scattered groundcover weed species may occur in very low densities; however, WoNS or listed under the *Biosecurity Act 2014* must not be present;
- All weed treatment must be performed in a manner that does not promote erosion or instability or creek banks or soil;
- No public access is permissible within this MU. Routine monitoring must be undertaken to identify and rectify the following impacts:
 - Litter and/or rubbish dumping;
 - Plant theft;
 - Soil compaction; and
 - Erosion.

Success Criteria

Successful Natural Regeneration parameters within the MU must reflect the following and be demonstrated to the satisfaction of RCC prior to any activities occurring within the development precinct:

- An average of 1 native plant per m² across the MU or at a density representative of the of that defined in the REDD. Native sedges species and other native emergent macrophytes can be considered as plants within each MU;
- WoNS and those listed in the *Biosecurity Act 2014* are not to be present at off-maintenance; and
- Other environmental weeds are to be reduced by at least 90% from the commencement of the RMP to off-maintenance. The restoration contractor is to undertake regular monitoring to illustrate the achievement of this success criteria.

Maintenance

The minimum following maintenance measures are required to be undertaken by the engaged restoration contractor:

- where specified, planting areas must be regularly watered for a period of 4-6 weeks or as deemed necessary by the contractor to ensure establishment is successful;
- recurrent listed WoNS and *Biosecurity Act 2014* pest plants within the MUs are to be removed (weed management measures are outlined within **Table 9**);
- all fallen debris and hollow logs are to be retained in situ to retain terrestrial microhabitats; and
- hollow-bearing limbs and suitable hollow logs removed during operational works must be salvaged and relocated into the MU to enhance the microhabitats available within the Site; and

- all stock planted within the MU area must be replaced as required to maintain 1 native plant per m² across each MU.

Table 11 – Management Unit 1 Timeframes

Stage	Action	Timeframe
Prior to Commencement		
1	Initial inspection of the Site by the engaged restoration contractor and RCC. Detail the extent of weeding works required, areas requiring planting and areas supporting existing native vegetation. This is to be reflected in the costing and planting levels based on the temporal period of the survey.	Prior to works commencing (pre-start)
2	Management Unit pegging to establish perimeter of each MU to flag the extent of works	
Initial Weed Control and Planting		
3	Initial weed treatment and removal and planting. Plant out areas based on the densities and species identified in Table 3-7. Weed control frequency is to be governed by Site conditions and determined by the engaged restoration contractor for the first 12 months across the entire MU area. After the first 12 months weed control is to be performed based on the density of weeds remaining within each MU until no WoNS or those listed within the <i>Biosecurity Act 2014</i> are present. Frequency is to be determined by the engaged contractor and prevailing Site conditions.	4-6 weeks following commencement
Monitoring		
4	Assessments to be undertaken in line with the Success Criteria and Monitoring requirements.	Every 6 months
Completion of Rehabilitation Works		
5	The rehabilitation will achieve the requirements of this plan when the following Success Criteria are met: - removal of all WoNS and those listed within the <i>Biosecurity Act 2014</i>; - removal of 90% of other environmental weed species; - all prescribed plants have been established for at least 3 months; - a minimum of 1 native plant per 1m2 within ground layer; - a minimum of 1 native plant (shrub) per 16 m²; and - a minimum of 1 native woody plant per 40 m². - submission of Monitoring Reports every 6 months to RCC.	5 years

Corrective Actions

The following corrective actions are to be implemented in instances of non-compliance with the performance and success criteria:

- if retained trees show signs of ill health (i.e. dead or poor health), an arborist is to be engaged to identify likely causes and to recommend mitigation measures to improve regeneration conditions;
- where weed re-establishment occur, additional treatment and removal works are to be instigated;
- if evidence of excessive spraying exists or if off-target damage is evident, further restoration will be required to the satisfaction of RCC; and
- where planted specimens within the establishment and monitoring period (i.e. 48 months) fail to strike, supplementary planting is to be undertaken.

Planting Requirements

Where planting is prescribed for a MU, a Planting Palette has been provided. All planting works must be undertaken to establish locally endemic vegetation communities. Species have been derived from RE 129-10.4, 12.3.6 or 12.12.14 where appropriate. It is noted that not all species may be available at the time of works. Subsequent species listed under the REDD prepared by the Queensland Herbarium must be consulted to identify other appropriate species for planting.

Each specimen will be watered-in with at least 5 litres of water; fertiliser and water crystals; and surrounding with a 1x1m square or 1m ring of clean native mulch to a depth of 100mm.

Fire Ant Movement Controls

To prevent the spread of fire ants, the Queensland Government has implemented controls that apply to individuals and commercial operators, to restrict the movement of materials that could carry fire ants including soil, turf, potted plants, mulch, baled hay or straw, animal manures mining or quarry products.

Penalties apply for non-compliance with the movement controls. If the engaged contractors are unsure of their obligations under the *Biosecurity Act 2014* they must contact the relevant Queensland State Government Department.

Contractor Requirements

All weed treatment must be safely undertaken by a suitably qualified Rehabilitation Contractor and utilise appropriate chemicals and all contractors must have Conservation and Land Management Certification 4 or equivalent experience and an ACDC licence.

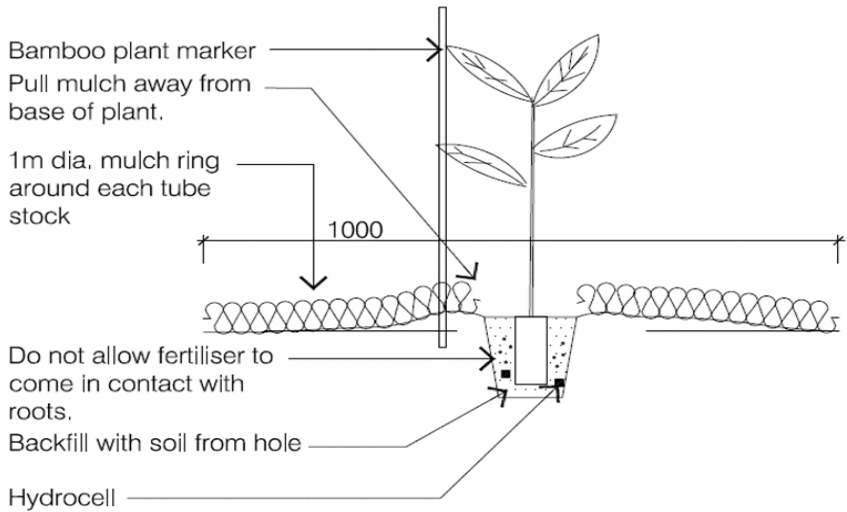
This CRMP has been based on best practices from the SEQ Ecological Restoration Framework and significant practical experience in restoration implementation projects.

Landscape Specification Notes for Planting

- Ensure all water crystals are thoroughly wetted before application. And fertiliser is applied at the nominated rate.
- Compensatory Planting Treatments: remove all weeds and install planting as noted. Install a 1x1m square or 1m ring of 100mm depth added site mulch (or clean native mulch locally sourced) to each tube stock plant. Provide a bamboo marker at each tube stock location that extends 300mm above the ground and has the top 100mm painted white or pink – Per Tubestock Planting 1.
- It is the responsibility of the engaged contractor to determine the final location of each planting. This location must take into account the position of any existing vegetation retained within the Site and the necessary maintenance of the MU.

4. The MU is to be revegetated using native species of local provenance where practicable. Should species be unavailable within the planting palette provided in **Table 1 and 2**, the contractor must contact 28 South Environmental or RCC to identify an appropriate replacement species. This must at first be sought from the REDD technical descriptions.
5. Planting efforts must first utilise existing native mulch material already available on-site, after shredding, before using mulch from another source. Stockpile native vegetation must be mulched on site and spread in the MUs where planting is prescribed. Should additional mulch be required, it is recommended that the mulch be enhanced using forest mulch to a depth of 100mm, it must be free of exotic plant material.
6. All imported or site-based mulch is to be aged appropriately before use.
7. Mulch is to be placed in a manner that does not smother existing native grasses and groundcovers.

Notes:
- Thoroughly water the root ball immediately after planting.
- If site mulch is used, mulch must be appropriately aged



1 TUBESTOCK PLANTING
SCALE: 1:10 @ A1; 1:20 @ A3

Services

The contractor shall make themselves aware of all underground and overhead services prior to the commencement of works. The contractor shall also be responsible for determining the locations of as-built and to be constructed services during the course of the works. No services have been identified on these drawings.

Controlling Domestic Pets and Wildlife

It is important to exclude domestic pets and wildlife from MU during the formative periods of the restoration efforts. This will help avoid the loss of tube stock or regenerating vegetation from being impacted and or loss through foraging.

Restoration Area Restrictions

- No parking or movement of construction machinery and vehicles;
- No placement of site offices, storage sheds, portaloos, and other
- permanent or temporary structures;
- No storage of topsoil, building materials, fuels and other chemicals;
- No dumping of excess materials and / or wastes;
- No washing off vehicles and construction machinery, rinsing out fuel containers, and disposal of cleaning products; and
- No general foot access of construction staff unless specifically related to restoration of the MU.

Weeding and Management Specifications

Weed control methods (**Table 12**) of all listed WoNs, weed listed under the *Biosecurity Act 2014* and other environmental weeds must be treated in accordance with the control methods provided in: "*South East Queensland Restoration Framework (2012) – Manual – Appendix C*" unless it can be demonstrated that there is an overriding need to utilise another method which deviates from the below methods (e.g. if a woody weed is specifically left in-situ but killed and planted into with native figs for soil retention and visual amenity). It is noted that not all weeds are or will be present during works; however, may occur over time. The engaged restoration contractor must undertake detailed site inspections prior to works commencing to identify target weed species, their location and extent for treatment.

Table 12: Control Techniques and Herbicide Application Rates for Particular Weed Species

Common Name	Scientific Name	Application Method	Chemical	Application Rate
Trees				Herbicides must be applied by appropriately qualified / supervised persons in accordance with the Agricultural Chemicals and Distribution Control Act 1966 at rates as identified on registered product labels, or on an Australian Pesticides and Veterinary Medicines Authority (APVMA) issued permit where applicable. Refer to the South East Queensland Ecological Restoration Framework for addition guidance.
Camphor Laurel	<i>Cinnamomum camphora</i>	Spot Spray	Glyphysate + Metsulfuron Methyl	
		Cut Scrape Paint	Glyphosate	
		Stem Inject	Glyphosate	
Chinese Elm	<i>Celtis sinensis</i>	Spot Spray	Glyphosate or Glyphosate + Metsulfuron Methyl	
		Cut Scrape Paint	Glyphosate	
		Stem Inject	Glyphosate	
Cadaghi	<i>Corymbia torelliana</i>	Spot Spray	Glyphosate	
		Cut Scrape Paint	Glyphosate	
		Stem Inject	Glyphosate	
		Basal Bark (saplings)	Flurxypyr	
Shrubs				
Easter Cassia	<i>Senna pendula var. glabrata</i>	Spot Spray	Glyphosate	
		Cut Scrape Paint	Glyphosate	
		Stem Inject	Glyphosate	
Mickey Mouse Plant	<i>Ochna serrulata</i>	Basal Bark	Fluroxypyr	
		Spot Spray	Fluroxypyr or Glyphosate + Metsulfuron Methyl	
		Cut Scrape Paint	Glyphosate + Metsulfuron Methyl	
Lantana	<i>Lantana camara</i>	Cut, Scrape and Paint	Glyphosate	
		Spot-spray	Fluroxypyr	
		Spray (spot spray and	Glyphosate	
Groundsel	<i>Baccharis halimifolia</i>	Spot Spray, Stem Inject, Cut Scrape Paint	Glyphosate	
		Spot Spray	2,4-D	
Brazilian Cherry	<i>Eugenia uniflora</i>	Spot Spray	Glyphosate	
		Cut Scrape Paint	Glyphosate + Metsulfuron Methyl	
		Stem Inject	Glyphosate + Metsulfuron Methyl	
Groundcovers				
Singapore Daisy	<i>Sphagneticola trilobata</i>	Spot-spray	Glyphosate + Metsulfuron Methyl	
			Metsulfuron Methyl	
Bamboo	<i>Phyllostachys sp.</i>	Cut and spray (regrowth/seedlings)	Glyphosate	
		Cut stump and fill segment	Glyphosate	
Blue Billy Goats	<i>Ageratum houstonianum</i>	Spot Spray	Glyphosate	
			Metsulfuron Methyl	
Inch Plant	<i>Tradescantia fluminensis</i>	Spot Spray	Fluroxypyr or Glyphosate + Metsulfuron Methyl	
Red Natal, South African Pigeon Grass, Molasses Grass, Para Grass, Rhodes Grass, Green Panic, Elephant Grass	<i>Melinis repens, Setaria sphacelata, Melinis multiflora, Urochloa mutica, Chloris gayana, Megathyrsus maximus, Pennisetum purpureum</i>	Spot Spray	Glyphosate	
Vines				
Cat’s Claw Creeper	<i>Macfadyena unguis-cati</i>	Spot Spray	Glyphosate or Glyphosate + Metsulfuron Methyl	
		Cut Scape Paint	Glyphosate	
Climbing Asparagus	<i>Asparagus africanus</i>	Basal Bark	Fluroxypyr	
		Spot Spray	Glyphosate	

Common Name	Scientific Name	Application Method	Chemical	Application Rate	
Glycine	<i>Neonotonia wightii</i>	Spot Spray	Glyphosate or Glyphosate + Metsulfuron Methyl		
			2,4-D		
		Cut Scrape Paint	Glyphosate		
Creeping Lantana	<i>Lantana montevidensis</i>	Spot-spray	Glyphosate + Metsulfuron Methyl		
			Metsulfuron Methyl		
			2,4-D		
Corky Passionfruit	<i>Passiflora suberosa</i>	Spot Spray	Glyphosate or Glyphosate + Metsulfuron Methyl or 2,4-D		
		Cut Scrape and Paint	Glyphosate		
** Abbreviations					
Gly	Glyphosate		eg. Weedmaster Duo®, Roundup		
MM	Metsulfron methyl		eg. Brushhoff®, Brushkiller®, Associate®		
S	Surfactant		eg. L1700®, Prosil®, Pulse®		
A	Spray Adjuvant		eg. Agral®, Protec®, Codacide®		
D	Colour Marking Dye		eg Herbi (red or blue) Liquid Dye®		

Appendix 5: Database Searches and Assessment

*Appendix 5.1: Protected
Matters Search Tool*



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: 13-Feb-2024

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	5
Listed Threatened Species:	91
Listed Migratory Species:	64

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	94
Whales and Other Cetaceans:	13
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	1
Regional Forest Agreements:	None
Nationally Important Wetlands:	1
EPBC Act Referrals:	18
Key Ecological Features (Marine):	None
Biologically Important Areas:	6
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

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

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
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community likely to occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community likely to occur within area	In feature area
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community may occur within area	In feature area
Subtropical and Temperate Coastal Saltmarsh	Vulnerable	Community likely to occur within area	In buffer area only
Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions	Endangered	Community likely to occur within area	In feature area

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
BIRD			
Anthochaera phrygia			
Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Ardenna grisea Sooty Shearwater [82651]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat may occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Critically Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Erythroriorchis radiatus Red Goshawk [942]	Endangered	Species or species habitat likely to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Fregetta grallaria grallaria White-bellied Storm-Petrel (Tasman Sea), White-bellied Storm-Petrel (Australasian) [64438]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Limnodromus semipalmatus Asian Dowitcher [843]	Vulnerable	Species or species habitat may occur within area	In feature area
Limosa lapponica baueri Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]	Endangered	Species or species habitat known to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pterodroma neglecta neglecta Kermadec Petrel (western) [64450]	Vulnerable	Foraging, feeding or related behaviour may occur within area	In buffer area only
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat may occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat may occur within area	In feature area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat may occur within area	In feature area
Xenus cinereus Terek Sandpiper [59300]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
FISH			
Epinephelus daemeli Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Hippocampus whitei White's Seahorse, Crowned Seahorse, Sydney Seahorse [66240]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Seriolella brama Blue Warehou [69374]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
FROG			
Litoria olongburensis Wallum Sedge Frog [1821]	Vulnerable	Species or species habitat may occur within area	In feature area
INSECT			
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area	In feature area
MAMMAL			
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat may occur within area	In buffer area only
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat may occur within area	In feature area
Dasyurus maculatus maculatus (SE mainland population) Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Eubalaena australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans Greater Glider (southern and central) [254]	Endangered	Species or species habitat likely to occur within area	In feature area
Petaurus australis australis Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)			
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus			
Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat may occur within area	In feature area
Pteropus poliocephalus			
Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
Xeromys myoides			
Water Mouse, False Water Rat, Yirrkoo [66]	Vulnerable	Species or species habitat known to occur within area	In feature area
PLANT			
Acronychia littoralis			
Scented Acronychia [8582]	Endangered	Species or species habitat may occur within area	In feature area
Arthraxon hispidus			
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Baloghia marmorata			
Marbled Balogia, Jointed Baloghia [8463]	Vulnerable	Species or species habitat may occur within area	In feature area
Bosistoa transversa			
Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Corchorus cunninghamii			
Native Jute [14659]	Endangered	Species or species habitat likely to occur within area	In feature area
Cryptocarya foetida			
Stinking Cryptocarya, Stinking Laurel [11976]	Vulnerable	Species or species habitat may occur within area	In feature area
Cryptostylis hunteriana			
Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Cupaniopsis shirleyana Wedge-leaf Tuckeroo [3205]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Endiandra floydii Floyd's Walnut, Crystal Creek Walnut [52955]	Endangered	Species or species habitat likely to occur within area	In feature area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Macadamia tetraphylla Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat may occur within area	In feature area
Notelaea lloydii Lloyd's Olive [15002]	Vulnerable	Species or species habitat may occur within area	In feature area
Phaius australis Lesser Swamp-orchid [5872]	Endangered	Species or species habitat likely to occur within area	In feature area
Planchonella eerwah Shiny-leaved Condoo, Black Plum, Wild Apple [17340]	Endangered	Species or species habitat likely to occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat may occur within area	In feature area

REPTILE

Scientific Name	Threatened Category	Presence Text	Buffer Status
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Coeranoscincus reticulatus Three-toed Snake-tooth Skink [59628]	Vulnerable	Species or species habitat may occur within area	In feature area
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat may occur within area	In feature area
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
SHARK			
Carcharias taurus (east coast population) Grey Nurse Shark (east coast population) [68751]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Breeding may occur within area	In buffer area only
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only

Listed Migratory Species	[Resource Information]		
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Anous stolidus Common Noddy [825]		Species or species habitat likely to occur within area	In buffer area only
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Ardenna carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area	In buffer area only
Ardenna grisea Sooty Shearwater [82651]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat known to occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Sternula albifrons Little Tern [82849]		Species or species habitat may occur within area	In buffer area only
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Migratory Marine Species

Scientific Name	Threatened Category	Presence Text	Buffer Status
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In buffer area only
Balaenoptera musculus Blue Whale [36]	Endangered	Species or species habitat may occur within area	In buffer area only
Carcharhinus longimanus Oceanic Whitetip Shark [84108]		Species or species habitat may occur within area	In buffer area only
Carcharodon carcharias White Shark, Great White Shark [64470]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Dugong dugon Dugong [28]		Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Eubalaena australis as Balaena glacialis australis Southern Right Whale [40]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Lamna nasus Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Megaptera novaeangliae Humpback Whale [38]		Species or species habitat known to occur within area	In buffer area only
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat may occur within area	In buffer area only
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Orcaella heinsohni Australian Snubfin Dolphin [81322]		Species or species habitat may occur within area	In buffer area only
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area	In buffer area only
Pristis zijsron Green Sawfish, Dindagubba, Narrowsnout Sawfish [68442]	Vulnerable	Breeding may occur within area	In buffer area only
Rhincodon typus Whale Shark [66680]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Sousa sahalensis as Sousa chinensis Australian Humpback Dolphin [87942]		Breeding known to occur within area	In buffer area only
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat likely to occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area
Limnodromus semipalmatus Asian Dowitcher [843]	Vulnerable	Species or species habitat may occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Numenius phaeopus Whimbrel [849]		Species or species habitat likely to occur within area	In buffer area only
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In feature area
Pluvialis fulva Pacific Golden Plover [25545]		Species or species habitat likely to occur within area	In buffer area only
Tringa brevipes Grey-tailed Tattler [851]		Species or species habitat likely to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Xenus cinereus Terek Sandpiper [59300]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Other Matters Protected by the EPBC Act

Listed Marine Species	[Resource Information]		
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Anous stolidus Common Noddy [825]		Species or species habitat likely to occur within area	In buffer area only
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Ardenna carneipes as Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area	In buffer area only
Ardenna grisea as Puffinus griseus Sooty Shearwater [82651]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni as Diomedea gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat known to occur within area	In buffer area only
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat known to occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Limnodromus semipalmatus Asian Dowitcher [843]	Vulnerable	Species or species habitat may occur within area overfly marine area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Numenius phaeopus Whimbrel [849]		Species or species habitat likely to occur within area	In buffer area only
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area	In feature area
Pandion haliaetus Osprey [952]		Breeding known to occur within area	In feature area
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Pluvialis fulva Pacific Golden Plover [25545]		Species or species habitat likely to occur within area	In buffer area only
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Sterna striata White-fronted Tern [799]		Foraging, feeding or related behaviour likely to occur within area	In feature area
Sternula albifrons as Sterna albifrons Little Tern [82849]		Species or species habitat may occur within area	In buffer area only
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat likely to occur within area overfly marine area	In feature area
Thalassarche carteri Indian Yellow-nosed Albatross [64464]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Tringa brevipes as Heteroscelus brevipes Grey-tailed Tattler [851]		Species or species habitat likely to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Xenus cinereus Terek Sandpiper [59300]	Vulnerable	Species or species habitat likely to occur within area overfly marine area	In buffer area only
Fish			
Acentronura tentaculata Shortpouch Pygmy Pipehorse [66187]		Species or species habitat may occur within area	In buffer area only
Campichthys tryoni Tryon's Pipefish [66193]		Species or species habitat may occur within area	In buffer area only
Corythoichthys amplexus Fijian Banded Pipefish, Brown-banded Pipefish [66199]		Species or species habitat may occur within area	In buffer area only
Corythoichthys ocellatus Orange-spotted Pipefish, Ocellated Pipefish [66203]		Species or species habitat may occur within area	In buffer area only
Festucalex cinctus Girdled Pipefish [66214]		Species or species habitat may occur within area	In buffer area only
Filicampus tigris Tiger Pipefish [66217]		Species or species habitat may occur within area	In buffer area only
Halicampus grayi Mud Pipefish, Gray's Pipefish [66221]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Hippichthys cyanospilos Blue-speckled Pipefish, Blue-spotted Pipefish [66228]	Endangered	Species or species habitat may occur within area	In buffer area only
Hippichthys heptagonus Madura Pipefish, Reticulated Freshwater Pipefish [66229]		Species or species habitat may occur within area	In buffer area only
Hippichthys penicillus Beady Pipefish, Steep-nosed Pipefish [66231]		Species or species habitat may occur within area	In buffer area only
Hippocampus kelloggi Kellogg's Seahorse, Great Seahorse [66723]		Species or species habitat may occur within area	In buffer area only
Hippocampus kuda Spotted Seahorse, Yellow Seahorse [66237]		Species or species habitat may occur within area	In buffer area only
Hippocampus planifrons Flat-face Seahorse [66238]		Species or species habitat may occur within area	In buffer area only
Hippocampus trimaculatus Three-spot Seahorse, Low-crowned Seahorse, Flat-faced Seahorse [66720]		Species or species habitat may occur within area	In buffer area only
Hippocampus whitei White's Seahorse, Crowned Seahorse, Sydney Seahorse [66240]		Species or species habitat likely to occur within area	In buffer area only
Lissocampus runa Javelin Pipefish [66251]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Maroubra perserrata Sawtooth Pipefish [66252]		Species or species habitat may occur within area	In buffer area only
Micrognathus andersonii Anderson's Pipefish, Shortnose Pipefish [66253]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Micrognathus brevirostris thortail Pipefish, Thorn-tailed Pipefish [66254]		Species or species habitat may occur within area	In buffer area only
Microphis manadensis Manado Pipefish, Manado River Pipefish [66258]		Species or species habitat may occur within area	In buffer area only
Solegnathus dunckeri Duncker's Pipehorse [66271]		Species or species habitat may occur within area	In buffer area only
Solegnathus hardwickii Pallid Pipehorse, Hardwick's Pipehorse [66272]		Species or species habitat may occur within area	In buffer area only
Solegnathus spinosissimus Spiny Pipehorse, Australian Spiny Pipehorse [66275]		Species or species habitat may occur within area	In buffer area only
Solenostomus cyanopterus Robust Ghostpipefish, Blue-finned Ghost Pipefish, [66183]		Species or species habitat may occur within area	In buffer area only
Solenostomus paradoxus Ornate Ghostpipefish, Harlequin Ghost Pipefish, Ornate Ghost Pipefish [66184]		Species or species habitat may occur within area	In buffer area only
Stigmatopora nigra Widebody Pipefish, Wide-bodied Pipefish, Black Pipefish [66277]		Species or species habitat may occur within area	In buffer area only
Syngnathoides biaculeatus Double-end Pipehorse, Double-ended Pipehorse, Alligator Pipefish [66279]		Species or species habitat may occur within area	In buffer area only
Trachyrhamphus bicoarctatus Bentstick Pipefish, Bend Stick Pipefish, Short-tailed Pipefish [66280]		Species or species habitat may occur within area	In buffer area only
Urocampus carinirostris Hairy Pipefish [66282]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Vanacampus margaritifer Mother-of-pearl Pipefish [66283]		Species or species habitat may occur within area	In buffer area only
Mammal			
Dugong dugon Dugong [28]		Species or species habitat known to occur within area	In buffer area only
Reptile			
Aipysurus laevis Olive Sea Snake, Olive-brown Sea Snake [1120]		Species or species habitat may occur within area	In buffer area only
Caretta caretta Loggerhead Turtle [1763]	Endangered	Breeding known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Hydrophis elegans Elegant Sea Snake, Bar-bellied Sea Snake [1104]		Species or species habitat may occur within area	In buffer area only
Hydrophis platurus as Pelamis platurus Yellow-bellied Sea Snake [93517]		Species or species habitat may occur within area	In buffer area only
Hydrophis stokesii as Astrotia stokesii Stokes' Sea Snake [93510]		Species or species habitat may occur within area	In buffer area only
Laticauda laticaudata a sea krait [1093]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only

Whales and Other Cetaceans			[Resource Information]
Current Scientific Name	Status	Type of Presence	Buffer Status
Mammal			
Balaenoptera acutorostrata Minke Whale [33]	Endangered	Species or species habitat may occur within area	In buffer area only
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In buffer area only
Balaenoptera musculus Blue Whale [36]		Species or species habitat may occur within area	In buffer area only
Delphinus delphis Common Dolphin, Short-beaked Common Dolphin [60]		Species or species habitat may occur within area	In buffer area only
Eubalaena australis Southern Right Whale [40]		Species or species habitat likely to occur within area	In buffer area only
Grampus griseus Risso's Dolphin, Grampus [64]		Species or species habitat may occur within area	In buffer area only
Megaptera novaeangliae Humpback Whale [38]		Species or species habitat known to occur within area	In buffer area only
Orcaella heinsohni Australian Snubfin Dolphin [81322]		Species or species habitat may occur within area	In buffer area only

Current Scientific Name	Status	Type of Presence	Buffer Status
Orcinus orca Killer Whale, Orca [46]		Species or species habitat may occur within area	In buffer area only
Sousa sahulensis Australian Humpback Dolphin [87942]		Breeding known to occur within area	In buffer area only
Stenella attenuata Spotted Dolphin, Pantropical Spotted Dolphin [51]		Species or species habitat may occur within area	In buffer area only
Tursiops aduncus Indian Ocean Bottlenose Dolphin, Spotted Bottlenose Dolphin [68418]		Species or species habitat likely to occur within area	In buffer area only
Tursiops truncatus s. str. Bottlenose Dolphin [68417]		Species or species habitat may occur within area	In buffer area only

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Moreton Bay	Marine Park	QLD	In buffer area only

Nationally Important Wetlands			[Resource Information]
Wetland Name		State	Buffer Status
Moreton Bay		QLD	In buffer area only

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
Redlands Coast Regional Sport and Recreation Precinct	2022/09420		Assessment	In buffer area only	

Not controlled action				
Clay Gully Road residential development, Victoria Point, QLD	2017/7984	Not Controlled Action	Completed	In feature area
Clearance of approx 152ha of open forest vegetation for residential development at Mt Cotton Villag	2004/1592	Not Controlled Action	Completed	In feature area
Development of Leisure Life Retirement Community	2004/1746	Not Controlled Action	Completed	In feature area

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Eddie Santagiuliana Way Boardwalk	2005/2049	Not Controlled Action	Completed	In buffer area only
Eprapah Heights Bushland Residential Subdivision	2001/286	Not Controlled Action	Completed	In feature area
establishment of a car wash and service station facility on Lot 12 RP 57455	2005/2077	Not Controlled Action	Completed	In feature area
Extension of existing hard rock quarry	2004/1713	Not Controlled Action	Completed	In buffer area only
GCCC Northern Wastewater Strategy and associated Reclaimed Water Scheme - Stage	2001/282	Not Controlled Action	Completed	In buffer area only
Gordon Road Residential Development	2002/854	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
Integrated Employment and Residential Community	2007/3449	Not Controlled Action	Completed	In buffer area only
Prawn Aquaculture Enterprise Expansion	2001/294	Not Controlled Action	Completed	In feature area
Residential estate Bunker Rd	2005/2130	Not Controlled Action	Completed	In feature area
Residential subdivision, Redland Bay Road	2002/739	Not Controlled Action	Completed	In feature area
Urban Subdivision	2001/493	Not Controlled Action	Completed	In buffer area only
works within the Black Swamp	2005/2334	Not Controlled Action	Completed	In feature area
Referral decision				
Breeding program for Grey Nurse Sharks	2007/3245	Referral Decision	Completed	In buffer area only
Biologically Important Areas				
Scientific Name		Behaviour	Presence	Buffer Status
Dolphins				
Sousa chinensis				
Indo-Pacific Humpback Dolphin [50]		Breeding	Known to occur	In buffer area only

Scientific Name		Behaviour	Presence	Buffer Status
Tursiops aduncus				
Indo-Pacific/Spotted Bottlenose Dolphin [68418]		Breeding	Known to occur	In buffer area only
Marine Turtles				
Caretta caretta				
Loggerhead Turtle [1763]		Nesting	Known to occur	In buffer area only
Chelonia mydas				
Green Turtle [1765]		Foraging	Known to occur	In buffer area only
Sharks				
Carcharias taurus				
Grey Nurse Shark [64469]		Foraging	Known to occur	In buffer area only
Whales				
Megaptera novaeangliae				
Humpback Whale [38]		Resting on migration (southbound)	Known to occur	In buffer area only
Bioregional Assessments				
SubRegion	BioRegion	Website		Buffer Status
Clarence-Moreton	Clarence-Moreton	BA website		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.

[© Commonwealth of Australia](#)

Department of Climate Change, Energy, the Environment and Water

GPO Box 3090

Canberra ACT 2601 Australia

+61 2 6274 1111

*Appendix 5.2: WildNet
Extract*

WildNet Records

Species List

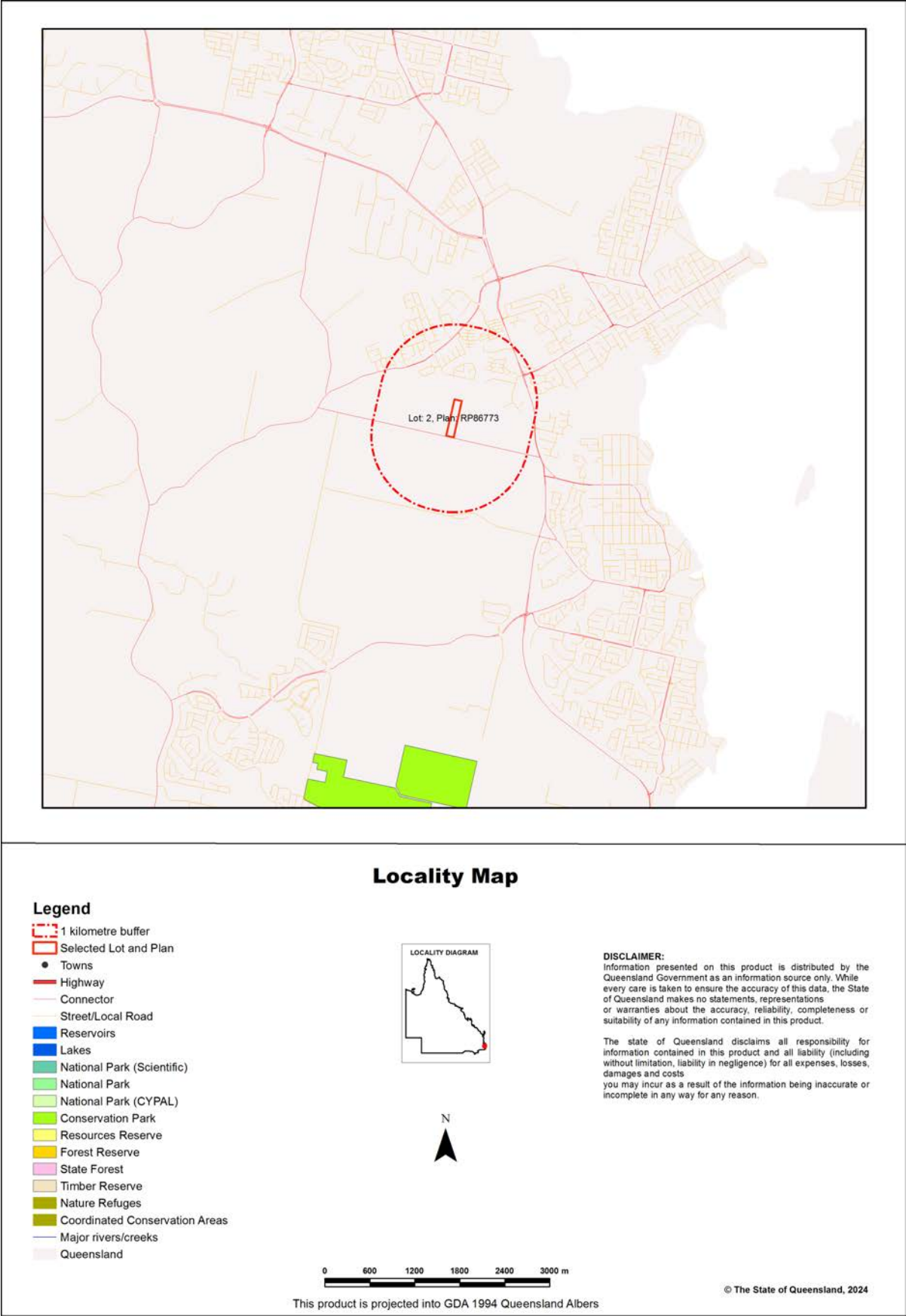


For the selected area of interest 5.03ha Lot: 2 Plan: RP86773

Current as at 13/02/2024

WildNetSpeciesList

Map 1. Locality Map



Summary Information

The following table provides an overview of the area of interest Lot: 2 Plan: RP86773.

Table 1. Area of interest details

Size (ha)	5.03
Local Government(s)	Redland City
Bioregion(s)	Southeast Queensland
Subregion(s)	Sunshine Coast - Gold Coast Lowlands, Burringbar - Conondale Ranges
Catchment(s)	Logan-Albert

Protected Area(s)

No estates or reserves are located within the area of interest.

World Heritage Area(s)

No World Heritage Areas are located within the area of interest.

Ramsar Area(s)

No Ramsar Areas are located within the area of interest.

Species List

Introduction

This report is derived from a spatial layer generated from the [WildNet database](#) managed by the Department of Environment and Science. The layer which is generated weekly contains the WildNet wildlife records that are not classed as erroneous or duplicate, that have a location precision equal to or less than 10000 metres and do not have a count of zero.

The WildNet dataset is constantly being enhanced and the taxonomic and status information revised. If a species is not listed in this report, it does not mean it doesn't occur there and listed species may also no longer inhabit the area. It is recommended that you also access other internal and external data sources for species information in your area of interest (Refer Links and Support).

Table 2 lists the animals recorded within the area of interest and its one kilometre buffer.

Table 3 lists the plants recorded within the area of interest and its one kilometre buffer.

Table 4 lists the fungi recorded within the area of interest and its one kilometre buffer.

Table 5 lists the other species recorded within the area of interest and its one kilometre buffer.

Table 2. Animals recorded within the area of interest and its one kilometre buffer

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
27055	Actinopterygii	Poeciliidae	Gambusia holbrooki	mosquitofish	None	None	0	1	31/01/1989
716	Amphibia	Bufo	Rhinella marina	cane toad	None	None	0	2	24/09/2004
608	Amphibia	Hylidae	Litoria fallax	eastern sedgefrog	C	None	0	1	24/09/2004
681	Amphibia	Limnodynastidae	Limnodynastes peronii	striped marshfrog	C	None	0	2	24/09/2004
661	Amphibia	Myobatrachidae	Pseudophryne raveni	copper backed broodfrog	C	None	0	2	24/09/2004
1419	Aves	Acanthizidae	Acanthiza chrysorrhoa	yellow-rumped thornbill	C	None	0	1	14/08/1956
1421	Aves	Acanthizidae	Acanthiza lineata	striated thornbill	C	None	0	3	24/09/2004

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
1423	Aves	Acanthizidae	<i>Acanthiza pusilla</i>	brown thornbill	C	None	0	4	24/09/2004
1396	Aves	Acanthizidae	<i>Gerygone olivacea</i>	white-throated gerygone	C	None	0	4	24/09/2004
1382	Aves	Acanthizidae	<i>Sericornis frontalis</i>	white-browed scrubwren	C	None	0	3	24/09/2004
1371	Aves	Acanthizidae	<i>Smicronis brevirostris</i>	weebill	C	None	0	2	24/09/2004
1729	Aves	Accipitridae	<i>Accipiter fasciatus</i>	brown goshawk	C	None	0	3	24/09/2004
1721	Aves	Accipitridae	<i>Aviceda subcristata</i>	Pacific baza	C	None	0	2	24/09/2004
1718	Aves	Accipitridae	<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle	C	None	0	2	24/09/2004
1707	Aves	Accipitridae	<i>Haliastur sphenurus</i>	whistling kite	C	None	0	3	24/09/2004
1767	Aves	Alcedinidae	<i>Dacelo novaeguineae</i>	laughing kookaburra	C	None	0	4	24/09/2004
1760	Aves	Alcedinidae	<i>Todiramphus macleayii</i>	forest kingfisher	C	None	0	1	14/08/1956
1762	Aves	Alcedinidae	<i>Todiramphus sanctus</i>	sacred kingfisher	C	None	0	3	24/09/2004
1994	Aves	Anatidae	<i>Anas platyrhynchos</i>	northern mallard	None	None	0	1	24/09/2004
1998	Aves	Anatidae	<i>Anas superciliosa</i>	Pacific black duck	C	None	0	3	24/09/2004
2003	Aves	Anatidae	<i>Chenonetta jubata</i>	Australian wood duck	C	None	0	3	24/09/2004
1279	Aves	Anhingidae	<i>Anhinga novaehollandiae</i>	Australasian darter	C	None	0	2	24/09/2004
1971	Aves	Apodidae	<i>Hirundapus caudacutus</i>	white-throated needletail	V	V	0	2	24/09/2004
1830	Aves	Ardeidae	<i>Bubulcus ibis</i>	cattle egret	C	None	0	3	24/09/2004
1840	Aves	Ardeidae	<i>Egretta garzetta</i>	little egret	C	None	0	2	24/09/2004
1826	Aves	Ardeidae	<i>Egretta novaehollandiae</i>	white-faced heron	C	None	0	2	24/09/2004
1660	Aves	Artamidae	<i>Artamus leucorhynchus</i>	white-breasted woodswallow	C	None	0	2	24/09/2004
1654	Aves	Artamidae	<i>Cracticus nigrogularis</i>	pied butcherbird	C	None	0	4	24/09/2004
1656	Aves	Artamidae	<i>Cracticus torquatus</i>	grey butcherbird	C	None	0	4	24/09/2004
1644	Aves	Artamidae	<i>Gymnorhina tibicen</i>	Australian magpie	C	None	0	4	24/09/2004
1191	Aves	Cacatuidae	<i>Cacatua galerita</i>	sulphur-crested cockatoo	C	None	0	2	24/09/2004
1194	Aves	Cacatuidae	<i>Cacatua sanguinea</i>	little corella	C	None	0	2	24/09/2004
1193	Aves	Cacatuidae	<i>Eolophus roseicapilla</i>	galah	C	None	0	3	24/09/2004

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
1636	Aves	Campephagidae	<i>Coracina novae hollandiae</i>	black-faced cuckoo-shrike	C	None	0	4	24/09/2004
1640	Aves	Campephagidae	<i>Lalage leucomela</i>	varied triller	C	None	0	2	24/09/2004
1933	Aves	Charadriidae	<i>Vanellus miles novaehollandiae</i>	masked lapwing (southern subspecies)	C	None	0	1	14/08/1956
1294	Aves	Cisticolidae	<i>Cisticola exilis</i>	golden-headed cisticola	C	None	0	3	24/09/2004
1617	Aves	Climacteridae	<i>Cormobates leucophaea</i>	white-throated treecreeper	C	None	0	1	21/08/2004
18293	Aves	Climacteridae	<i>Cormobates leucophaea metastasis</i>	white-throated treecreeper (southern)	C	None	0	3	24/09/2004
1804	Aves	Columbidae	<i>Columba livia</i>	rock dove	None	None	0	2	24/09/2004
1810	Aves	Columbidae	<i>Geopelia humeralis</i>	bar-shouldered dove	C	None	0	3	24/09/2004
18323	Aves	Columbidae	<i>Geopelia placida</i>	peaceful dove	C	None	0	4	24/09/2004
1774	Aves	Columbidae	<i>Spilopelia chinensis</i>	spotted dove	None	None	0	3	24/09/2004
1609	Aves	Corvidae	<i>Corvus orru</i>	Torresian crow	C	None	0	4	24/09/2004
1754	Aves	Cuculidae	<i>Cacomantis flabelliformis</i>	fan-tailed cuckoo	C	None	0	2	24/09/2004
1745	Aves	Cuculidae	<i>Chalcites lucidus</i>	shining bronze-cuckoo	C	None	0	3	24/09/2004
1611	Aves	Dicaeidae	<i>Dicaeum hirundinaceum</i>	mistletoebird	C	None	0	3	24/09/2004
1601	Aves	Dicruridae	<i>Dicrurus bracteatus</i>	spangled drongo	C	None	0	2	24/09/2004
1366	Aves	Estrildidae	<i>Lonchura castaneothorax</i>	chestnut-breasted mannikin	C	None	0	2	24/09/2004
1367	Aves	Estrildidae	<i>Lonchura punctulata</i>	nutmeg mannikin	None	None	0	1	14/08/1956
1359	Aves	Estrildidae	<i>Neochmia temporalis</i>	red-browed finch	C	None	0	4	24/09/2004
1342	Aves	Estrildidae	<i>Taeniopygia bichenovii</i>	double-barred finch	C	None	0	3	24/09/2004
1572	Aves	Hirundinidae	<i>Hirundo neoxena</i>	welcome swallow	C	None	0	4	24/09/2004
1585	Aves	Hirundinidae	<i>Petrochelidon ariel</i>	fairy martin	C	None	0	2	24/09/2004
1573	Aves	Hirundinidae	<i>Petrochelidon nigricans</i>	tree martin	C	None	0	1	14/08/1956
18458	Aves	Maluridae	<i>Malurus lamberti</i>	variegated fairy-wren	C	None	0	3	24/09/2004
1558	Aves	Maluridae	<i>Malurus melanocephalus</i>	red-backed fairy-wren	C	None	0	4	24/09/2004
1523	Aves	Meliphagidae	<i>Caligavis chrysops</i>	yellow-faced honeyeater	C	None	0	3	24/09/2004
1539	Aves	Meliphagidae	<i>Entomyzon cyanotis</i>	blue-faced honeyeater	C	None	0	2	24/09/2004

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
1497	Aves	Meliphagidae	<i>Lichmera indistincta</i>	brown honeyeater	C	None	0	4	24/09/2004
1500	Aves	Meliphagidae	<i>Manorina melanocephala</i>	noisy miner	C	None	0	3	24/09/2004
1504	Aves	Meliphagidae	<i>Meliphaga lewinii</i>	Lewin's honeyeater	C	None	0	4	24/09/2004
1507	Aves	Meliphagidae	<i>Melithreptus albogularis</i>	white-throated honeyeater	C	None	0	4	24/09/2004
1489	Aves	Meliphagidae	<i>Myzomela sanguinolenta</i>	scarlet honeyeater	C	None	0	4	24/09/2004
1494	Aves	Meliphagidae	<i>Philemon corniculatus</i>	noisy friarbird	C	None	0	4	24/09/2004
1471	Aves	Meliphagidae	<i>Plectorhyncha lanceolata</i>	striped honeyeater	C	None	0	3	24/09/2004
1764	Aves	Meropidae	<i>Merops ornatus</i>	rainbow bee-eater	C	None	0	4	24/09/2004
1589	Aves	Monarchidae	<i>Grallina cyanoleuca</i>	magpie-lark	C	None	0	4	24/09/2004
1595	Aves	Monarchidae	<i>Monarcha melanopsis</i>	black-faced monarch	SL	None	0	2	24/09/2004
1586	Aves	Monarchidae	<i>Myiagra rubecula</i>	leaden flycatcher	C	None	0	3	24/09/2004
1455	Aves	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian pipit	C	None	0	2	24/09/2004
1453	Aves	Neosittidae	<i>Daphoenositta chrysoptera</i>	varied sittella	C	None	0	3	24/09/2004
1442	Aves	Oriolidae	<i>Oriolus sagittatus</i>	olive-backed oriole	C	None	0	4	24/09/2004
1444	Aves	Oriolidae	<i>Sphecotheres vieilloti</i>	Australasian figbird	C	None	0	3	24/09/2004
1449	Aves	Pachycephalidae	<i>Colluricincla harmonica</i>	grey shrike-thrush	C	None	0	4	24/09/2004
1436	Aves	Pachycephalidae	<i>Pachycephala pectoralis</i>	golden whistler	C	None	0	4	24/09/2004
1437	Aves	Pachycephalidae	<i>Pachycephala rufiventris</i>	rufous whistler	C	None	0	4	24/09/2004
1389	Aves	Pardalotidae	<i>Pardalotus punctatus</i>	spotted pardalote	C	None	0	1	14/08/1956
1392	Aves	Pardalotidae	<i>Pardalotus striatus</i>	striated pardalote	C	None	0	4	24/09/2004
1360	Aves	Passeridae	<i>Passer domesticus</i>	house sparrow	None	None	0	3	24/09/2004
1347	Aves	Petroicidae	<i>Eopsaltria australis</i>	eastern yellow robin	C	None	0	4	24/09/2004
1339	Aves	Petroicidae	<i>Microeca fascians</i>	jacky winter	C	None	0	1	14/08/1956
1332	Aves	Petroicidae	<i>Petroica rosea</i>	rose robin	C	None	0	3	24/09/2004
1261	Aves	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	little pied cormorant	C	None	0	2	24/09/2004
1687	Aves	Phasianidae	<i>Synoicus ypsilophorus</i>	brown quail	C	None	0	2	24/09/2004

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
1955	Aves	Podargidae	<i>Podargus strigoides</i>	tawny frogmouth	C	None	0	2	24/09/2004
1318	Aves	Pomatostomidae	<i>Pomatostomus temporalis</i>	grey-crowned babbler	C	None	0	1	14/08/1956
1147	Aves	Psittaculidae	<i>Parvipsitta pusilla</i>	little lorikeet	C	None	0	3	24/09/2004
1136	Aves	Psittaculidae	<i>Platycercus adscitus</i>	pale-headed rosella	C	None	0	2	21/08/2004
21976	Aves	Psittaculidae	<i>Platycercus adscitus paliceps</i>	pale-headed rosella (southern form)	C	None	0	2	24/09/2004
1124	Aves	Psittaculidae	<i>Trichoglossus chlorolepidotus</i>	scaly-breasted lorikeet	C	None	0	4	24/09/2004
1125	Aves	Psittaculidae	<i>Trichoglossus moluccanus</i>	rainbow lorikeet	C	None	0	4	24/09/2004
1623	Aves	Psophodidae	<i>Psophodes olivaceus</i>	eastern whipbird	C	None	0	4	24/09/2004
1673	Aves	Rallidae	<i>Gallinula tenebrosa</i>	dusky moorhen	C	None	0	2	24/09/2004
1575	Aves	Rhipiduridae	<i>Rhipidura albiscapa</i>	grey fantail	C	None	0	4	24/09/2004
1576	Aves	Rhipiduridae	<i>Rhipidura leucophrys</i>	willie wagtail	C	None	0	4	24/09/2004
1578	Aves	Rhipiduridae	<i>Rhipidura rufifrons</i>	rufous fantail	SL	None	0	3	24/09/2004
1314	Aves	Sturnidae	<i>Acridotheres tristis</i>	common myna	None	None	0	2	24/09/2004
1303	Aves	Sturnidae	<i>Sturnus vulgaris</i>	common starling	None	None	0	1	14/08/1956
1812	Aves	Threskiornithidae	<i>Threskiornis molucca</i>	Australian white ibis	C	None	0	3	24/09/2004
1800	Aves	Threskiornithidae	<i>Threskiornis spinicollis</i>	straw-necked ibis	C	None	0	3	24/09/2004
1276	Aves	Zosteropidae	<i>Zosterops lateralis</i>	silveryeye	C	None	0	4	24/09/2004
1071	Mammalia	Canidae	<i>Vulpes vulpes</i>	red fox	None	None	0	2	24/09/2004
22485	Mammalia	Dasyuridae	<i>Antechinus flavipes flavipes</i>	yellow-footed antechinus (south-east Queensland)	C	None	0	2	24/09/2004
811	Mammalia	Dasyuridae	<i>Planigale maculata</i>	common planigale	C	None	0	2	24/09/2004
1056	Mammalia	Felidae	<i>Felis catus</i>	cat	None	None	0	2	24/09/2004
832	Mammalia	Leporidae	<i>Lepus europaeus</i>	European brown hare	None	None	0	2	24/09/2004
904	Mammalia	Macropodidae	<i>Notamacropus rufogriseus</i>	red-necked wallaby	C	None	0	2	24/09/2004
885	Mammalia	Macropodidae	<i>Wallabia bicolor</i>	swamp wallaby	C	None	0	2	24/09/2004
989	Mammalia	Molossidae	<i>Austronomus australis</i>	white-striped freetail bat	C	None	0	2	24/09/2004
1000	Mammalia	Molossidae	<i>Mormopterus norfolkensis</i>	east coast freetail bat	C	None	0	2	24/09/2004

Taxon Id	Class	Family	Scientific Name	Common Name	NCA	EPBC	Specimens	Records	Last record
767	Mammalia	Muridae	<i>Hydromys chrysogaster</i>	water rat	C	None	0	2	24/09/2004
764	Mammalia	Muridae	<i>Mus musculus</i>	house mouse	None	None	0	2	24/09/2004
731	Mammalia	Muridae	<i>Rattus rattus</i>	black rat	None	None	0	2	24/09/2004
784	Mammalia	Peramelidae	<i>Isodon macrourus</i>	northern brown bandicoot	C	None	0	2	24/09/2004
859	Mammalia	Phalangeridae	<i>Trichosurus vulpecula</i>	common brushtail possum	C	None	0	2	24/09/2004
860	Mammalia	Phascolarctidae	<i>Phascolarctos cinereus</i>	koala	E	E	0	75	16/11/2021
851	Mammalia	Pseudocheiridae	<i>Pseudocheirus peregrinus</i>	common ringtail possum	C	None	0	2	24/09/2004
1080	Mammalia	Suidae	<i>Sus scrofa</i>	pig	None	None	0	2	24/09/2004
838	Mammalia	Tachyglossidae	<i>Tachyglossus aculeatus</i>	short-beaked echidna	SL	None	0	2	24/09/2004
22066	Mammalia	Vespertilionidae	<i>Myotis macropus</i>	large-footed myotis	C	None	0	1	24/09/2004
554	Reptilia	Agamidae	<i>Intellagama lesueurii</i>	eastern water dragon	C	None	0	2	24/09/2004
556	Reptilia	Agamidae	<i>Pogona barbata</i>	bearded dragon	C	None	0	2	24/09/2004
457	Reptilia	Elapidae	<i>Cryptophis nigrescens</i>	eastern small-eyed snake	C	None	0	2	24/09/2004
493	Reptilia	Elapidae	<i>Demansia psammophis</i>	yellow-faced whipsnake	C	None	0	2	24/09/2004
411	Reptilia	Gekkonidae	<i>Hemidactylus frenatus</i>	house gecko	None	None	0	2	24/09/2004
308	Reptilia	Scincidae	<i>Anomalopus verreauxii</i>	three-clawed worm-skink	C	None	0	2	24/09/2004
312	Reptilia	Scincidae	<i>Calyptotis scutirostrum</i>	scute-snouted calyptotis	C	None	0	2	24/09/2004
277	Reptilia	Scincidae	<i>Carlia vivax</i>	tussock rainbow-skink	C	None	0	2	24/09/2004
31898	Reptilia	Scincidae	<i>Cryptoblepharus pulcher pulcher</i>	elegant snake-eyed skink	C	None	0	3	16/10/2013
240	Reptilia	Scincidae	<i>Ctenotus spaldingi</i>	straight-browed ctenotus	C	None	0	2	24/09/2004
190	Reptilia	Scincidae	<i>Eulamprus quoyii</i>	eastern water skink	C	None	0	2	24/09/2004
184	Reptilia	Scincidae	<i>Lampropholis delicata</i>	dark-flecked garden sunskink	C	None	0	3	16/10/2013
107	Reptilia	Scincidae	<i>Tiliqua scincoides scincoides</i>	eastern bluetongue	C	None	0	2	24/09/2004
61	Reptilia	Varanidae	<i>Varanus varius</i>	lace monitor	C	None	0	2	24/09/2004

Table 3. Plants recorded within the area of interest and its one kilometre buffer

No species found within the area of interest and its one kilometre buffer.

Table 4. Fungi recorded within the area of interest and its one kilometre buffer

No species found within the area of interest and its one kilometre buffer.

Table 5. Other species recorded within the area of interest and its one kilometre buffer

No species found within the area of interest and its one kilometre buffer.

Species table headings and codes

Taxon Id: Unique identifier of the taxon from the WildNet database.

NCA: Queensland conservation status of the taxon under the *Nature Conservation Act 1992* (Least Concern (C), Critically Endangered (CR), Endangered (E), Extinct (EX), Near Threatened (NT), Extinct in the Wild (PE), Special Least Concern (SL), and Vulnerable (V)).

EPBC: Australian conservation status of the taxon under the *Environment Protection and Biodiversity Conservation Act 1999* (Conservation Dependent (CD), Critically Endangered (CE), Endangered (E), Extinct (EX), Vulnerable (V), and Extinct in the Wild (XW)).

Specimens: The number of specimen-backed records of the taxon.

Records: The total number of records of the taxon.

Last record: Date of latest record of the taxon.

Links and Support

Other sites that deliver species information from the [WildNet database](#) include:

- [Species profile search](#) - access species information approved for publication including species names, statuses, notes, images, distribution maps and records
- [Species lists](#) - generate species lists for Queensland protected areas, forestry areas, local governments and areas defined using coordinates
- [Biomaps](#) - view biodiversity information, including WildNet records approved for publication, and generate reports
- [Queensland Globe](#) - view spatial information, including WildNet records approved for publication
- [Old wildlife data API](#) - access WildNet species information approved for publication such as notes, images and records etc.
- [WetlandMaps](#) - view species records, survey locations etc. approved for publication
- [WetlandSummary](#) - view wildlife statistics, species lists for a range of area types, and access WildNet species profiles
- [WildNet wildlife records - published - Queensland](#) - spatial layer of WildNet records approved for publication generated weekly
- [Generalised distribution and densities of Queensland wildlife](#) - Queensland species distributions and densities generalised to a 10 km grid resolution
- [Conservation status of Queensland wildlife](#) - access current lists of priority species for Queensland including nomenclature and status information
- [Queensland Confidential Species](#) - the list of species flagged as confidential in the WildNet database.

Please direct queries about this report to the [WildNet Team](#).

Other useful sites for accessing Queensland biodiversity data include:

- [Useful wildlife resources](#)
- [Queensland Government Data](#)
- [Atlas of Living Australia \(ALA\)](#)
- [Online Zoological Collections of Australian Museums \(OZCAM\)](#)
- [Australia's Virtual Herbarium \(AVH\)](#)
- [Protected Matters Search Tool](#)

Disclaimer

Whilst every care is taken to ensure the accuracy of the information provided in this report, the Queensland Government, to the maximum extent permitted by law, 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 the user may incur as a consequence of the information being inaccurate or incomplete in any way and for any reason.



*Appendix 5.3: Likelihood
of Occurrence Criteria*

Attachment 5

Table 5-1. Likelihood of Occurrence Assessment Criteria

Assessment	Habitat Criteria	Local Record Criteria	Perceived Probability
Known	The species has been confirmed as present within the Site, and those records are unlikely to represent transient or vagrant individuals.		100%
Likely	Habitat is considered moderately to good quality and similar to other locations where the species is found	There is a number (~5 or greater) of local (≤ 10 km from the Site), contemporary (post 1990) records of the species; or There is strong evidence that a cryptic species (which may not be frequently recorded in databases) has a nearby resident population(s).	>50%
Possible	Habitat is marginal to moderate	The species is known by a few local contemporary records and is not a transient species.	20-50%
Unlikely	The habitat is marginal	There are few, if any, local contemporary records.	1-19%
Highly unlikely	The habitat is unsuitable	There are no local contemporary records.	$\leq 1\%$
Absent	No habitat present	There, local historic or contemporary records (TEC only).	0%
Transient	The habitat is suitable, marginal or good quality	The species is highly mobile and vagrant. They may infrequently appear in the local area over a long timeframe but are never resident or frequent visitors (e.g. return migrants). These species are typically birds which, while having some probability of occurring, are unlikely rely on the Site for their lifecycle or maintaining populations.	N/A