28ºS ENVIRONMENTAL

Proposed Reconfiguration of a Lot at 95-103 & 105-115 Koplick Road, Park Ridge

Ecological Assessment Report

PREPARED FOR KOPLICK DEVELPOMENTS NO. 2 PTY LTD



29 May 2023

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1 Introduction

1.1 Proposed Development

28 South Environmental Pty Ltd (**28 South**) have been engaged by Koplick Developments No. 2 Pty Ltd (**Applicant**), to advise on ecological and environmental planning matters to support the Development Application (**DA**) over 95-103 and 105-115 Koplick Road, Park Ridge (herein referred to as the '**Site**'). The Site is more properly described as Lots 13-14 on RP 135029 and totals 10.35 ha.

The Site is located within the Logan City Council (**LCC**) Local Government Area (**LGA**). The locality and context of the Site are illustrated in **Attachment 1** and **Attachment 2** respectively. The Site is located within the Emerging Community Zone under the LCC *Planning Scheme 2015, Version 9* (the '**Planning Scheme**').

The proposed development plans are shown in **Attachment 3**.

The Site is currently accessed and bound to the south by Koplick Road, and to the north by East Beaumont Road. Recent residential development has been established immediately to the north-east of the Site, with rural residences to the north across East Beaumont Road. Similar sized rural properties exist to the south and west of the Site which is subject to active market garden cropping. The property adjoining to the east of the Site has been subject to recent civil earthworks for the purposes of an approved residential subdivision.

1.2 Purpose of this Report

The purpose of this Ecological Assessment Report (**EAR**) is to provide a high-level desktop assessment of ecological impacts and environmental planning pathways associated with the proposed development, including how any negative impacts can be avoided, mitigated or offset. To this end, this EAR assesses the proposed development against relevant ecological and environmental planning legislation, policies and instruments at the Commonwealth, State and Local levels. The EAR achieves this through:

a) desktop assessments of;

   a. determination of potential impacts of the proposed development on ecological features within and adjoining the Site;

   b. assessment against the *Environment Protection and Biodiversity Conservation Act 1999* (**EPBC Act**);

   c. assessment against the relevant provisions of the *Planning Regulation 2017* (**Planning Reg**);

   d. assessment against relevant ecological components of the LCC Planning Scheme; and

b) recommendations for measures to avoid, minimise and mitigate potential impacts of the proposed development on environmental values within the Site on context with relevant environmental planning frameworks.

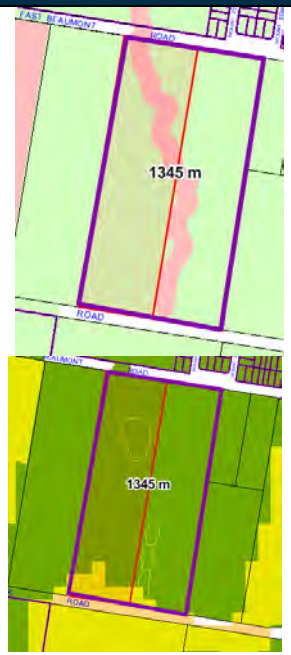
This EAR considers historical clearing events and previous uses (i.e. rural residential/ rural) within the Site and the immediate locality and takes into consideration potential impacts on relevant Matters of National Environmental Significance (**MNES**), Matters of State Environmental Significance (**MSES**) and Matters of Local Environmental Significance (**MLES**) as well as relevant environmental policies, guidelines and codes.

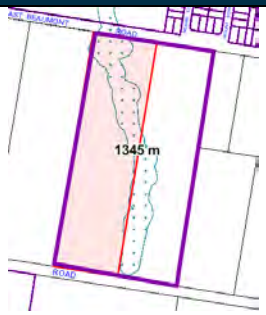
2 Statutory Environmental Matters for Consideration

Ecological values and ecologically important areas for the proposed development have been defined with reference to Federal, State and Local Government environmental legislation. A summary of relevant statutory considerations is provided in **Table 1**.

Table 1 – Relevant Environment Legislation

Matter of Interest	Relevant Legislative Instrument or Policy	Referral Agency if Triggered	Relevant Database Searches/Attachment	Inset	Further Assessment
Relevant Federal Environmental Legislation					
Matters of National Environmental Significance	EPBC Act	Department of Agriculture, Water and Environment (**DAWE**)	Protected Matters Search Tool (**PMST**) (**Attachment 4**) Wildlife Online (**Attachment 5**)	Nil	A determination of whether a Significant Impact will arise is made with reference to the MNES Significant Impact Guidelines 1.1 (DoE 2013). Refer to **Section 6.1**.
Relevant State Environmental Legislation					
N/A – no mapped Matters of State Environmental Significance (**MSES**) – It is noted as small overlapping area of Core Koala Habitat Area is mapping occurs in the extreme north-west of the Site; however, these areas do not go beyond that of the thresholds for Exempted Development.					
Relevant Local Environmental Matters					

Matter of Interest	Relevant Legislative Instrument or Policy	Referral Agency if Triggered	Relevant Database Searches/Attachment	Inset	Further Assessment
Biodiversity Areas Overlay	LCC Planning Scheme, Biodiversity Areas Overlay Code	LCC	**Inset to left**		The Site is wholly within the Biodiversity Areas Trigger and supports areas of Primary and Secondary Vegetation Management Area. The Site is also mapped as containing and both Matters of State and Local Environmental Significance (polygons and lines). Assessment against the provisions of the relevant Overlay Code will be required as part of the Development application. Refer to **Section 7.3**.

Matter of Interest	Relevant Legislative Instrument or Policy	Referral Agency if Triggered	Relevant Database Searches/Attachment	Inset	Further Assessment
Waterway Corridors and Wetlands Trigger	LCC Planning Scheme, Biodiversity Areas Overlay Code	LCC	**Inset to left**		The central drainage feature is mapped as a Waterway Corridor (Minor Waterway). Assessment against the provisions of the relevant Overlay Code will be required as part of the Development application. Refer to **Section 7.3**.
Park Ridge Structure Plan	LCC Planning Scheme, Park Ridge Structure Plan	LCC			The LCC Planning Scheme locates the Site within the southern part of the Park Ridge Structure Plan Area and maps the majority of the Site as Low-Density Residential use. The drainage corridor that occurs within the Site is mapped as Environmental Management Area **(EMA**). Refer to **Section 7.3**.

3 Flora Assessment

3.1 Desktop Assessment

The Site is located on gently undulating topography over alluvial and sedimentary geologies. Pre-clear Regional Ecosystem (**RE**) mapping shows that the Site historically supported RE 12.3.11 through the waterway corridor, and a mix of homogenous and heterogenous polygons of RE 12.9-10.12 and 12.9-10.4. These REs are described as:

- Of Concern RE 12.3.11 – *Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia* open forest on alluvial plains usually near coast;
- Least Concern RE 12.9-10.4 - *Eucalyptus racemosa subsp. racemosa* woodland on sedimentary rocks; and
- Endangered RE 12.9-10.12 - Mixed woodland usually containing *Corymbia intermedia, Angophora leiocarpa* and at least the presence of *Eucalyptus seeana* on sedimentary rocks.

The full description for these communities can be found in the Regional Ecosystem Description Database (**REDD**) prepared by the Queensland Herbarium.

The PMST data (**Attachment 4**) indicates the potential occurrence of MNES plant communities and species in this locality. The Wildlife Online data also indicates confirmed records of EVNT plant species in the locality (**Attachment 5**).

3.2 Survey Methodology

In-field ecological assessment was undertaken by 28 South Environmental botanical and ecological staff on 30 July 2021. The surveys consisted of a site walk-walkover (utilising a modified meander technique) for botanical assessment, habitat assessments and spatial mapping of all native trees, native habitat trees and larger pest species. Surveys also involved an assessment to determine whether the Site:

i. Supported vegetation analogous with Threatened Ecological Communities (**TEC**s) identified as MNES under the EPBC Act;

ii. Supported any plant species identified as MNES under the EPBC Act;

iii. Was appropriately omitted or included on the RVMM;

iv. Supported EVNT plant species; and

v. Supported plant species or communities which were otherwise of conservation interest.

Further in-field ecological assessment was undertaken by 28 South Environmental botanical and ecological staff on 22 May 2023. The surveys consisted of a site walk-walkover (utilising a modified meander technique) to reconfirm the data collected during the initial ecological assessment.

This level of detailed botanical survey is considered sufficient given the modified, disturbed nature of the Site.

3.3 Survey Findings

At the time of survey, the Site is described as supporting market garden farms with areas of cropping as well as large historically augmented and dammed waterbodies, utilised for cropping and agricultural activities (this chain is mapped as a waterway corridor as identified in **Table 1** of this report). The dams support steep banks of unconsolidated fill and scattered hard and household rubbish, with notable stacks of vehicular tyres throughout. The Site supports two highly modified vegetation communities, described in more detail below.

3.3.1 Vegetation Community 1 – Cropping Areas, Landscaping Surrounding Existing Dwelling

The majority of the Site is highly disturbed and historically modified community, comprised of the rows of cropping as well as highly modified vegetation associated with the existing dwelling in the Site's south-eastern corner. Common herbaceous weeds included such as *Ageratum houstonianum** (blue billy goats), *Bidens pilosa** (cobbler's pegs) and *Tagetes minuta** (stinking roger).

The vegetation associated with the existing dwelling at Lot 13 on RP135029, in the south-western extent of the Site, was largely dominated by mature *Pinus elliottii** (slash pine). The

south-eastern corner of the Site showed recent evidence of disturbance including a fire with a cement slab supporting some piles of tyres.

A single planted individual of *Macadamia integrifolia* (macadamia nut) was recorded in association with the dwelling at Lot 13 on RP135029, in the southern extent of the Site.

3.3.2 Vegetation Community 2 – Modified Dams and Associated Vegetation and Fringing Vegetation on Boundary Fence Lines

The second vegetation community encompasses the vegetation supported on the dam banks and a row of canopy trees that has been retained down the centre of the Site. This community is largely dominated by mature slash pine with only occasional scattered mature native canopy trees including *Corymbia intermedia* (pink bloodwood), *Melaleuca quinquenervia* (broad-leaved paperbark), *Eucalyptus seeana* (narrow-leaved red gum) and *Angophora leiocarpa* (smooth-barked apple), with some scattered semi-mature to mature *Eucalyptus tereticornis* (Queensland blue gum). Based on the native canopy species, the native component of this vegetation most likely reflects RE 12.9-10.12 with elements of RE 12.3.11 (e.g. the Queensland blue gum).

The sub-canopy was sparse and supported regenerating slash pine as well as scattered broad-leaved paperbark and *Lophostemon suaveolens* (swamp box) particularly on the dam banks and within the shallows of the dams.

The shrub layer was largely dominated by *Lantana camara** (lantana) but also supported other common weed species such as *Murraya paniculata** (mock orange) and *Ligustrum sinense** (small-leaved privet). There were also isolated native individual shrubs occurring including *Melaleuca sieberi* (small-leaved paperbark) and *Leptospermum polygalifolium* (wild may). The understory supported a dense layer of pine needles and where not dominated by lantana thickets or dense exotic grasses, there were occasional native species occurring including *Imperata cylindrica* (blady grass), *Gahnia aspera* (red saw sedge) and *Lepidosperma laterale* (variable sword sedge).

The waterbodies supported moderate to severe infestations of Pistia stratiotes* (water lettuce) and were stagnant.

The Site's condition at the time of the survey is illustrated in **Photo Plates 1-7** at the back of this report. The vegetation Communities on Site are shown in **Attachment 7**. A Tree Retention Plan (**TRP**) showing the surveyed trees on Site is provided in **Attachment 8** and a flora species list collected during the surveys is provided in **Attachment 9**.

4 Fauna Habitat Assessment

4.1 Desktop Findings

Database searches revealed the historical occurrence of several conservation-significant species in the locality (**Attachments 4** and **5**). The database searches informed the methodologies for the onsite fauna survey. The surveys undertaken on 30 July 2021 included a detailed walk-through of the Site; a habitat assessment and a rapid habitat features survey of all habitats within and adjoining the Site. An assessment of habitat quality was used as a surrogate for presence of conservation-significant species. Additional surveys were conducted on 22 May 2023 to reconfirm the previously recorded Site characteristics. Analysis of the potential for impact utilising habitat assessment and known records has also guided this assessment's conclusions.

4.2 Fauna Habitat Values

Vegetation Community 1 supported little to no habitat features or other features of ecological value. Vegetation Community 2 supported low fauna habitat value given the high percentage of weed specimens dominating the community; however, with dense thickets of lantana providing refuge for small passerine's and the waterbodies being utilised by common waterbird species. On balance, however, the high levels of pests flora species (WoNS and *Biosecurity Act 2014*) contributing to seed loading in down-stream areas reduces the quality of this habitat and those adjoining the Site significantly reduce values across the Site and surrounds.

At a landscape context, the vegetation established on the modified dams forms part of a drainage corridor with a level of connectivity to the north and a chain of dammed waterbodies in the adjoining property to the east, by virtue of the corridor's vegetated nature, albeit largely exotic and lacking natural complexity, diverse habitat structures and natural resource production cycles (flowering and fruiting cycles). Due to historic degradation of the Site, the mapped waterway corridor within the Site is highly disturbed, and it is noted that the vegetation has become established on the dam banks following their construction. Notwithstanding, where the scattered native vegetation was present, it was not of an age to have developed hollow-bearing limbs. As such, it is considered that the vegetated drainage corridor would

provide a low level of foraging and movement opportunities for vagile, common fauna species (e.g. possums, birds and bats).

The lack of intact vegetation communities and structural deficiency in vegetative strata; high densities of State Restricted Invasive flora species; historical broadscale clearing and modification of the Site; and agricultural/ production activities operating on the Site has contributed to the significant loss of diversity in faunal assemblages within the Site and more broadly through the Park Ridge locality.

5 Threatened Flora and Vegetation Communities

The survey confirmed that the Site does not support vegetation communities analogous with any defined TECs.

The survey did not identify any flora or fauna species listed as MNES under the EPBC Act, or any EVNT species listed under the NC Act, other than the single planted individual of macadamia nut recorded at Lot 13 on RP135029, in the southern extent of the Site. This species is listed as Vulnerable under both the EPBC Act and the NC Act; however, the individual of macadamia nut was evidently planted in association with the existing dwelling and not considered to be 'in the wild' under the NC Act. Further, given the locality and the authors experience in the locality, it is highly unlikely that any conservation significant flora species would persist '*In The Wild*' within the Site.

6 Potential Impacts and Proposed Mitigation

6.1 Potential Impacts and Planning Considerations

The proposed development for a RoL over the Site is considered to be appropriate and consistent with the Park Ridge Structure Plan. The planning designation over the Site, including the Low-Density Residential land use designation under the Park Ridge Structure Plan will appropriately facilitate such a development; providing consideration is given to the Site's statutory requirements such as those highlighted in **Table 1**. This includes the mapped Primary Vegetation Management Area, Minor Waterway Corridor and the Environmental Management Area under the Park Ridge Structure Plan. It is of particular importance to note the status and composition of the vegetation and habitats supported within the mapped water being dominated by nationally significant weed species and suffering deleterious impacts.

Details of the surveyed vegetation on Site and their location in relation to the proposed development are shown on the TRP (**Attachment 8**).

As previously highlighted in this Report, the Site is currently significantly degraded, with the mapped waterway corridor and EMA supporting significant levels of exotic pest plant species. It is noted that the land owner has a general obligation under the BA to remove these specimens. Permissible removal of such weeds would result in these areas supporting only limited and highly scattered native trees located throughout the Site, most of which were associated with eastern and western boundary fence lines and the drainage corridor.

It is also considered that without some form of development, the Site will remain in its existing deteriorated condition, with agricultural and cropping uses continuing to contribute to eutrophication of the drainage corridor and downstream weed loading. As such, development of the Site will create opportunities to:

- Remove the existing deleterious pest plant infestations and create opportunities for revegetation of a drainage channel through the natural channel design principles;
- Retain and enhance the water conveyance values through the establishment of a thoughtfully designed drainage corridor;

- Improve fish passage and aquatic values to the drainage feature; and

- Creation of open space, recreation opportunities and passive green space amenity.

6.2 Mitigation Measures

The proposed greenspace / park / stormwater area within the Site (**Attachment 3**) provides opportunities for both revegetation and greenspace amenity. It is recommended that any channel design consider the *Natural Channel Design Guidelines* prepared by Brisbane City Council (2003) as a general best-practice design guide. This includes a meandering channel with naturalist form including shallow pools and riffles allowing the creation of habitats and revegetation in accordance with the Manning's Roughness required.

Further, it is recommended that any revegetation or landscaping works incorporate locally endemic flora species and that provide fruiting and flower prolifically during winter bottlenecking periods. Other species which have a fastigiate form will offer foraging opportunities for native fauna residing within the locality, whilst also providing effective screening and amenity value.

Fauna management measures such as; the preparation of a fauna management plan; pre-clearing fauna assessments; and the use of a suitably qualified fauna spotter catcher will reduce the potential for impacts to fauna during the clearing process. Native trees removed from the proposed development footprint could be dried and mulched for re-use in landscaping.

The Applicant is prepared to provide an offset for impacts to native vegetation in line with the provisions of Section 3.1.9 of LCC's *Planning scheme policy 3 – Environmental Management*. Given the scale of the Site and the limited MLES that could be subject to impact by a future development, a financial settlement will likely be the most effective and appropriate method for offset acquittal. We note that this (financial contribution for LCC to invest into its rehabilitation works across the LGA), coupled with the works required to re-create the drainage feature and rehabilitate it, would provide a significantly better ecological outcome than the existing status quo or where the development avoided these overlays and did not trigger assessment against these codes thus avoiding the need to rehabilitate these areas. Refer to **Section 8** of this report for further details on the financial environmental offset.

7 Statutory Compliance

7.1 EPBC Act

Based on the infield assessment and desktop assessment undertaken, the Site did not support any Listed TECs, flora species, fauna species at the time of survey. It is unlikely the Site is of significance to any MNES fauna species. This is further considered in light of the peri-urban and highly modified context of the Site.

A such, 28 South does not consider that any future residential development would warrant a controlled action referral to the DAWE. In making this recommendation, particular consideration has been given to koala and the EPBC Act Koala Referral Guideline.

7.2 State Triggers

As identified in **Table 1** above, there are no mapped MSES within the Site.

7.3 Logan City Council Planning Scheme

7.3.1 Biodiversity Areas Overlay and Waterway Corridors and Wetlands Overlay

As identified in **Table 1** above, the Site is mapped to contain the following overlays:

- Biodiversity Areas Overlay:
    - Biodiversity Areas Trigger;
    - Primary and Secondary Vegetation Management Areas;
    - Matters of State and Local Environmental Significance (polygons and lines);
- Waterway Corridors and Wetlands:
    - Waterway Corridor Trigger; and
    - Minor Waterway.

Assessment of the proposed development against the ecologically relevant performance outcomes within the Biodiversity Areas Overlay Code and the Waterway Corridors and Wetlands Overlay Code are provided in **Table 2** and **3**, respectively.

Table 2 – Assessment against LCC's Biodiversity Areas Overlay Code

Performance outcomes	Acceptable Outcomes	Response
For accepted development (subject to requirements) and assessable development		
Biodiversity Corridors		
PO1 Development in a Biodiversity corridor identified on Biodiversity areas overlay map - OM002.02 is designed and located to: a) Provide for habitat links; b) Facilitate safe wildlife movement; c) Facilitate wildlife refuge; d) Enhance habitat values; e) Rehabilitate degraded areas with native vegetation. Note – compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report prepared in accordance with Part 2 of planning scheme policy 3 – Environmental Management.	**AO1** Development is located outside a Biodiversity corridor identified on Biodiversity areas overlay map – OM-02.02.	**Not Applicable** The proposed development is not in proximity to, nor does it contain a Biodiversity Corridor.
Primary Vegetation Management Area		

Performance outcomes	Acceptable Outcomes	Response
PO2 Development in the Primary Vegetation Management Area identified on Biodiversity areas overlay map – OM-02.01 is designed and located: a) To: i. Protect the current extent of native vegetation; or ii. Achieve a net gain of native vegetation; b) To rehabilitate degraded areas with native vegetation. Note – Compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report [for section (a)(i)] and an environmental offset report [for section (a)(ii)] prepared in accordance with Part 2 of planning scheme policy 3 – Environmental management.	**AO2.1** Development is located to avoid the need to clear any native vegetation in the Primary Vegetation Management Area identified on Biodiversity areas overlay map – OM-02.01, unless: a) If identified as a matter of local environmental significance and not both matters of local and state environmental significance on Biodiversity areas overlay map – OM-02.04, an offset is provided in accordance with section 3.1 – Environmental offset standards in Planning scheme policy 3 – Environmental management; or b) If identified as both matters of local and state environmental significance or matter of state environmental significance on Biodiversity areas overlay map – OM-02.04, an offset is provided in accordance with the Queensland Environmental Offset Policy and the *Environmental Offsets Act 2014*. Note – Compliance with AO2.1(a) is to be demonstrated by an environmental offset report prepared in accordance with Part 2 of planning scheme policy 3 – Environmental management. Note – For purposes of AO2.1(b) the Queensland Government has separate regulatory requirements for matters of state environmental significance. This is regulated by the State Department Assessment Provisions.	**Complies** The Site is mapped to contain Primary and Secondary Vegetation Management Areas and contains both matters of local and state environmental significance under the Biodiversity Areas Overlay. The Primary Vegetation Management area is located over the mapped waterway corridor in the Site, which currently exists as historically augmented and dammed waterbodies. The planning designation over the Site, which includes the Low-Density Residential land use designation under the Park Ridge Structure Plan, will appropriately facilitate such a development. The proposed developments plans (**Attachment 3**) have considered the mapped Primary Vegetation Management Area, Minor Waterway Corridor and Environmental Management Area (Park Ridge Structure Plan); the proposed greenspace / park / stormwater area are opportunities for revegetation and greenspace amenity. A CRMP has been provided in **Attachment 10**, based on the current layout in **Attachment 3.** Further, the corridor has been subject to significant historical degradation to form a series of dammed waterbodies with banks of unconsolidated filling utilised for cropping and agricultural activities. As such, it is considered that the waterway corridor retains limited ecological, fauna habitat and natural waterway values. **Much of these values can be removed, or are required to be removed under the land owner's general obligations under the BA.** **It is considered that any future development of the Site will facilitate an improved outcome for the mapped waterway corridor compared to the existing status quo.** Without some form of development, the Site will remain in its existing deteriorated condition, with agricultural and cropping uses continuing to contribute to eutrophication of the drainage corridor and downstream weed loading. The existing configuration of the dams also impacts fish passage which can be benefited from the

Performance outcomes	Acceptable Outcomes	Response
	Note – Where the native vegetation is identified as Both matters of Local and State environmental significance and no offset is required by the Queensland Government for the native vegetation identified as a matter of state environmental significance, development is located to avoid the need to clear the native vegetation.	removal and rehabilitation of a formal drainage feature through development conditions. An offset in accordance with the *Environmental Offsets Act 2014* will be provided prior to the commencement of construction. Given the scale of the Site and the limited MLES that could be subject to impact by a future development, a financial settlement will be the most effective and appropriate method for offset acquittal. We note that this (financial contribution for LCC to invest into its rehabilitation works across the LGA), coupled with the works required to re-create the drainage feature and rehabilitate it, would provide a significantly better ecological outcome than the existing status quo or where the development avoided these overlays and did not trigger assessment against these codes thus avoiding the need to rehabilitate these areas. Refer to **Section 8** of this report for further details on the financial environmental offset.
	AO2.2 Development rehabilitates degraded areas in accordance with the South East Queensland Ecological Restoration Framework.	**Complies** The proposed greenspace / park / stormwater area (refer **Attachment 3**) provide opportunities for revegetation and greenspace amenity. It is recommended that any channel design consider the *Natural Channel Design Guidelines* prepared by Brisbane City Council (2003) as a general best-practice design guide. This includes a meandering channel with naturalist form including shallow pools and riffles allowing the creation of habitats and revegetation in accordance with the Manning's Roughness required. Further, it is recommended that any revegetation or landscaping works incorporate locally endemic flora species and that provide fruiting and flower prolifically during winter bottlenecking periods. Other species which have a fastigiate form will offer foraging opportunities for native fauna residing within the locality, whilst also providing effective screening and amenity value. A CRMP has been provided in **Attachment 10**, based on the current layout in **Attachment 3**.
Secondary Vegetation Management Area		

Performance outcomes	Acceptable Outcomes	Response
PO3 Development in the Secondary vegetation management area identified on Biodiversity areas overlay map – OM-02.01 is designed and located to either: a) Protect the current extent of native trees and native habitat trees; or b) Achieve a net gain of native trees and native habitat trees. Note – Compliance with this performance outcome is to be demonstrated by a basic ecological assessment report [for paragraph (a)] and environmental offset report [for section (b)] prepared in accordance with Part 2 of planning scheme policy 3 – Environmental management.	**AO3** Development is located to avoid the need to clear any native trees and native habitat trees in the Secondary vegetation management area identified on Biodiversity areas overlay map - OM-02.01, unless: a) If clearing less than 10 native trees, compensatory planting is provided of: 1) Two trees of the same species for every native tree cleared in a secondary vegetation management area; 2) Four trees of the same species for every native habitat tree cleared in a secondary vegetation management area; b) If identified as a matter of local environmental significance and not both matters of local and state environmental significance on Biodiversity areas overlay map – OM-02.04, an offset is provided in accordance with section 3.1 – Environmental offset standards in Planning scheme policy 3 – Environmental management; or c) If identified as both matters of local and state environmental significance of matters of state environmental significance on Biodiversity areas overlay map – OM-02.04, an offset is provided in accordance with the Queensland Environmental Offset	**Complies** The Site is mapped to contain Primary and Secondary Vegetation Management Areas, and is situated with the matters of local environmental significance under the Biodiversity Areas. The planning designation over the Site, which includes the Low-Density Residential land use designation under the Park Ridge Structure Plan, will appropriately facilitate such a development. The proposed development plans (**Attachment 3**) have considered the mapped Primary Vegetation Management Area, Minor Waterway Corridor and the Environmental Management Area under the Park Ridge Structure Plan; the proposed greenspace / park / stormwater area are opportunities for revegetation and greenspace amenity. A CRMP has been provided in **Attachment 10**, based on the current layout in **Attachment 3.** Retention of vegetation within the development footprint is not practicable due to the extent of earthworks necessary to establish the proposed development, e.g. residences, roads and services. An offset in accordance with the *Environmental Offsets Act 2014* will be provided prior to the commencement of construction. Given the scale of the Site and the limited MLES that could be subject to impact by a future development, a financial settlement will likely be the most cost effective and appropriate method for offset acquittal. We note that this (financial contribution for LCC to invest into its rehabilitation works across the LGA), coupled with the works required to re-create the drainage feature and rehabilitate it, would provide a significantly better ecological outcome than the existing status quo or where the development avoided these overlays and did not trigger assessment against these codes thus avoiding the need to rehabilitate these areas. Refer to **Section 8** of this report for further details on the financial environmental offset.

Performance outcomes	Acceptable Outcomes	Response
	Policy and the *Environmental Offset Act.* Note—Compliance with AO3(b) is to be demonstrated by an environmental offset report prepared in accordance with Part 2 of planning scheme policy 3–Environmental management. Note—For the purpose of AO3(c) the Queensland Government has separate regulatory requirements for matters of state environmental significance. This is regulated by the State Development Assessment Provisions. Note—Where the native vegetation is identified as a matter of state environmental significance and no offset is required by the Queensland Government for the native vegetation identified as a matter of state environmental significance, development is located to avoid the need to clear the native vegetation.	
Koala Corridor		
PO4 Development in a Koala corridor identified on Biodiversity areas overlay map–OM–02.02 is designed and located to protect and enhance koala habitat. Note—Compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report prepared in accordance with Part 2 of planning scheme policy 3–Environmental management.	**AO4** Development: a) is located to avoid the need to clear any native vegetation in a Koala corridor identified on Biodiversity areas overlay map–OM–02.02; b) in a Koala corridor identified on Biodiversity areas overlay map–OM–02.02 rehabilitates degraded koala habitat values within the Koala corridor, in accordance with the South	**Not Applicable** The Site is not within or near a Koala Corridor.

Performance outcomes	Acceptable Outcomes	Response
	East Queensland Ecological Restoration Framework.	
Locally Significant Vegetation Area		
PO5 Development in a Locally significant vegetation area identified on the Biodiversity areas overlay map—OM-02.03 protects Melaleuca irbyana, vine forest, Gossia gonoclada and significant remnant vegetation areas from: a) encroachment; b) edge effects. Note—Compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report prepared in accordance with Part 2 of planning scheme policy 3–Environmental management.	**AO5** Development is located outside of a Locally significant vegetation area as identified on Biodiversity areas overlay map—OM-02.03.	**Not Applicable** The Site is not within or near any Locally Significant Vegetation Areas.
For assessable development		
Wildlife Movement		
PO6 Development within a Biodiversity corridor or koala corridor identified in Biodiversity areas overlay map OM-02.02 provides for the safe movement of native fauna by: a. generating minimal additional night time traffic; b. minimising the risk of injury or death to wildlife by vehicular traffic c. incorporating practices or measures to minimise disruption, injury or death during construction;	AO6 Development in a Biodiversity corridor or koala corridor identified on Biodiversity areas overlay map OM-02.0 provides for the safe movement of native fauna through the implementation of: a. the Queensland Government Fauna Sensitive Road Design Manual Volume 2: Preferred Practices; b. the Queensland Government Koala-sensitive Design Guideline.	**Not Applicable** The Site is not within or near a Biodiversity corridor or koala corridor.

Performance outcomes	Acceptable Outcomes	Response
d. providing that a road or accessway has a low design speed; e. providing fauna-friendly fencing. Note – Compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report prepared in accordance with Part 2 of the planning scheme policy 3 – Environmental management.		
Locally significant Melaleuca irbyana buffer area		
PO7 Development within the Locally significant Melaleuca irbyana buffer area identified on Biodiversity areas overlay map OM-02.03 protects the Locally significant Melaleuca irbyana area identified on Biodiversity areas overlay map OM-02.03 from: a. edge effects; b. adverse changes to the local hydrology. Note – Compliance with this performance outcome is to be demonstrated by a detailed ecological assessment report prepared in accordance with Part 2 of planning scheme policy 3 – Environmental management.	AO7 Development within the Locally significant Melaleuca irbyana buffer area identified on Biodiversity areas overlay map OM-02.03 provides for a vegetated buffer within 50 metres of the Locally significant Melaleuca irbyana area identified on Biodiversity areas overlay map OM-02.03.	**Not Applicable** The Site is not within the mapped Locally Significant *Melaleuca irbyana* buffer area.
Landscape values		
PO8 Development is designed and located to protect and enhance the landscape values of: a. ridgeline; b. native vegetation.	AO8 No acceptable outcome provided.	**Complies** The proposed development will result in the loss of vegetation within the Site however it actually presents opportunities to remove pest plant infestations, improve the Site's fish passage and aquatic values in the waterway corridor and the proposed channel for greenspace / park / stormwater area are opportunities for revegetation and greenspace amenity (improving flora and

Performance outcomes	Acceptable Outcomes	Response
		fauna values within the currently highly degraded and modified Site). Further, landscaping works using locally endemic flora species will offer foraging opportunities for native fauna residing within the locality and should aim to utilise species which offer foraging resources during the winter and spring bottlenecking periods. Refer response to PO2 and PO3 above for further details. An offset in accordance with the *Environmental Offsets Act 2014* will be provided prior to the commencement of construction. Given the scale of the Site and the limited MLES that could be subject to impact by a future development, a financial settlement will likely be the most effective and appropriate method for offset acquittal. We note that this (financial contribution for LCC to invest into its rehabilitation works across the LGA), coupled with the works required to re-create the drainage feature and rehabilitate it, would provide a significantly better ecological outcome than the existing status quo or where the development avoided these overlays and did not trigger assessment against these codes thus avoiding the need to rehabilitate these areas. Refer to **Section 8** of this report for further details on the financial environmental offset.
Lighting		
PO9 Development in a Biodiversity corridor or Koala corridor identified on Biodiversity areas overlay map OM-02.02 is designed to minimise adverse light impacts on native fauna.	AO9 Lighting associated with development in a Biodiversity corridor or Koala corridor identified on Biodiversity areas overlay map OM-02.02: a. complies with the dark surrounds lighting levels in AS4282-1997 – Control of the obtrusive effects of outdoor lighting; b. is directed away from areas identified on Biodiversity areas overlay map OM-02.00.	**Complies** The proposed development is not located in a mapped biodiversity or koala corridor. All public lighting utilised as part of this development will be consistent with the requirements of AS4282-1997.

Table 3 – Assessment against LCC's Waterway Corridors and Wetlands Overlay Code

Performance outcomes	Acceptable Outcomes	Response
For accepted development (subject to requirements) and assessable development		
Design and location		
PO1 Development is designed and located to protect the ecosystem processes, water quality, function, scenic amenity and landscape values of a Waterway corridors and wetlands area identified on Waterway corridors and wetlands overlay map OM-14.00.	AO1 Development is located outside the: • waterway areas identified on Waterway corridors and wetlands overlay map OM-14.01; • wetlands and wetland buffers identified on Waterway corridors and wetlands overlay map OM-14.02.	**Complies** The Site is mapped to support the Waterway Corridor Trigger and a Minor Waterway. The waterway corridor in its current condition is dominated by exotic vegetation and the corridor has been subject to significant historical degradation, to form dammed waterbodies with banks of unconsolidated filling utilised for cropping and agricultural activities. The proposed development plans (**Attachment 3**) have considered the mapped Primary Vegetation Management Area, Minor Waterway Corridor and Environmental Management Area (Park Ridge Structure Plan); the proposed greenspace / park / stormwater area are opportunities for revegetation and greenspace amenity. Further, landscaping works that incorporate locally endemic flora species will provide fruiting and flower prolifically during winter bottlenecking periods. Other species which have a fastigiate form will offer foraging opportunities for native fauna residing within the locality, whilst also providing effective screening and amenity value. It is recommended that the channel design consider the Natural Channel Design Guidelines and principles prepared by Brisbane City Council (2003) as a general best-practice design guide. This includes a meandering channel with naturalist form including shallow pools and riffles allowing the creation of habitats and revegetation in accordance with the Manning's Roughness required. A CRMP has been provided in **Attachment 10**, based on the current layout in **Attachment 3**. It is considered that without some form of development, the Site will remain in its existing deteriorated condition, with agricultural and cropping uses continuing to contribute to eutrophication of the

Performance outcomes	Acceptable Outcomes	Response
		drainage corridor and downstream weed loading. As such, the development of the Site will create opportunities to: - remove the existing deleterious pest plant infestations and create opportunities for revegetation of a drainage channel through the natural channel design principles; - retain and enhance the water conveyance values through the establishment of a thoughtfully designed drainage corridor; and - improve fish passage and aquatic values to the drainage feature. The Site does not contain or is adjacent to any mapped wetland or wetland buffer areas.
Location and ecosystem processes		
PO2 Development is: • designed and located such that a waterway area or wetlands and wetland buffer is protected; • designed, constructed and managed to protect and enhance: • in-stream and riparian habitat values of a Waterway corridors and wetlands area identified on Waterway corridors and wetlands overlay map OM-14.00; • safe wildlife movement and fish passage. Note - Planning scheme policy 3 - Environmental management provides guidance on how to achieve this outcome. Compliance with this performance outcome is to be demonstrated by an ecological assessment report prepared in accordance with part 2 of Planning scheme policy 3 - Environmental management.	AO2 Development: • demonstrates that locating outside the waterway area of wetland and wetland buffer is not reasonably possible; • prepares an ecological assessment report in accordance with part 2 of Planning scheme policy 3 - Environmental management that demonstrates how the development protects and enhances in-stream and riparian habitat values and results in no loss of connectivity which supports wildlife movement; • protects and enhances the ecological function of a Waterway corridor and wetlands area in accordance with section 3.3.1 - Riparian corridor revegetation and weed control and section 3.3.2 - Waterway terrestrial and aquatic fauna movement of Planning	**Complies** The Site is mapped to support the Waterway Corridor Trigger and a Minor Waterway. The proposed development plans (**Attachment 3**) have considered the mapped Primary Vegetation Management Area, Minor Waterway Corridor and Environmental Management Area (Park Ridge Structure Plan); the proposed greenspace / park / stormwater area are opportunities for revegetation and greenspace amenity. Refer to the response to PO1 above. A comprehensive Ecological Assessment Report has been prepared in accordance with Part 2 of the planning scheme policy 3.

Performance outcomes	Acceptable Outcomes	Response
	scheme policy 3 - Environmental management.	
Natural hydrological and geomorphological processes		
PO3 Development is designed, constructed and managed to ensure: • the natural hydrological and geomorphological processes of a Waterway corridors and wetlands area identified on Waterway corridors and wetlands overlay map OM-14.00 are maintained; • where the natural hydrological and geomorphological processes are modified, the near natural hydrology is re-instated.	AO3 Development is designed, constructed and managed to protect the natural hydrological and geomorphological processes of a Waterway corridors and wetlands area by: • stabilising banks using native vegetation in accordance with section 3.3.1 - Riparian corridor revegetation and weed control and section 3.3.3 - Near-natural hydrology reinstatement works of Planning Scheme Policy 3 - Environmental Management; • reinstating the near-natural hydrology in accordance with section 3.3.3 - Near-natural hydrology reinstatement works of Planning scheme policy 3 - Environmental management.	**Complies** The proposed development will be engineered to ensure there is no impacts to the existing hydrological and geomorphological processes of the Waterway corridor. The proposed development will include the following: • stabilising banks using native vegetation in accordance with section 3.3.1 - Riparian corridor revegetation and weed control and section 3.3.3 - Near-natural hydrology reinstatement works of LCC's *Planning Scheme Policy 3- Environmental Management*; and • reinstating the near-natural hydrology in accordance with section 3.3.3 - Near-natural hydrology reinstatement works of LCC's *Planning Scheme Policy 3- Environmental Management*.
Erosion prone areas		
PO4 Development in an erosion prone area identified on Waterway corridors and wetlands overlay map OM-14.03 is for coastal dependent development, or temporary, readily relocatable or able-to-be-abandoned development.	AO4 Development is not located in an erosion prone area identified on Waterway corridors and wetlands overlay map OM-14.03 unless the development: • cannot be feasibly located elsewhere; • is coastal dependent development, or temporary, readily relocatable or able-to-be-abandoned development.	**N/A** The proposed development is not located within or near the erosion prone area as identified on the waterway corridors and wetlands overlay.
Water quality		
PO5	AO5 Development:	**Complies** The proposed development will include the following:

Performance outcomes	Acceptable Outcomes	Response
Development is designed, constructed and managed to protect water quality of a Waterway corridors and wetlands area identified on Waterway corridors and wetlands overlay map OM-14.00 by: • providing vegetated buffers; • incorporating water sensitive urban design principles having regard to: • protecting water quality of surface and ground waters; • minimising sewage discharges to the natural environment; • limiting discharge of sediments and pollutants into a Waterway corridors and wetlands area.	• provides a vegetated riparian buffer in accordance with section 3.3.1 - Riparian corridor revegetation and weed control of Planning scheme policy 3 - Environmental management; • provides effective erosion and sediment control in accordance with section 3.3 - Filling and excavation standards of Planning scheme policy 5 - Infrastructure; • implements water sensitive urban design principles in accordance with section 3.6 - Stormwater infrastructure standards and section 3.7 - Landscaping standards of Planning scheme policy 5 - Infrastructure; • excludes stock from a Waterway corridors and wetlands area by providing a permanent fence and gate and utilises off-stream stock watering points.	• a vegetated riparian buffer in accordance with the Riparian corridor revegetation and weed control of LCC's *Planning Scheme Policy 3- Environmental Management*. • provides effective erosion and sediment control in accordance with section 3.3 Filling and excavation standards of Planning scheme policy 5 - Infrastructure; • the proposed development will implements water sensitive urban design principles in accordance with section 3.6 - Stormwater infrastructure standards and section 3.7 - Landscaping standards of Planning scheme policy 5 - Infrastructure; and • stock will be excluded from the proposed development.
Access		
PO6 Development provides for an integrated and publicly accessible network of waterways and wetlands to facilitate activation and maintenance of: • a River waterway identified on Waterway corridors and wetlands overlay map OM-14.01, being the Albert River or Logan River where located within the urban footprint; • a Major wetland identified on Waterway corridors and wetlands overlay map OM-14.02.	AO6 Development provides: • road access in the form of an access road or collector road to a River waterway, identified on Waterway corridors and wetlands overlay map OM-14.01, being the Albert River or Logan River, where the premise adjoins the River waterway and is located within the urban footprint; • a pedestrian and cycle network along a Major wetland identified on Waterway corridors and wetlands overlay map	**N/A** The Albert River and Logan River are not located in or near the proposed development. It is additionally noted that the proposed development does not contain a mapped major wetland.

Performance outcomes	Acceptable Outcomes	Response
	OM-14.02 where the premises adjoins the Major wetland.	
Tenure		
PO7 Development provides for tenure or management arrangements that facilitate the protection and enhancement of a Waterway corridors and wetlands.	AO7 No acceptable outcome provided.	**Complies** While it is not anticipated that the proposed development will result in the requirement for tenure or management requirements, all appropriate arrangements will be in place as applicable upon completion of construction.

7.3.2 Environmental Management Area

The purpose of the mapped EMA under the Park Ridge Structure Plan is considered to be largely synonymous with the purpose of the Environmental Management and Conservation Zone under the LCC Planning Scheme, which is to provide for the protection and maintenance of areas that support biological diversity, ecological integrity, naturally occurring landforms and/or coastal processes.

Considering the current, highly degraded/modified nature of the Site and the waterway corridor, the protection and conservation of the mapped EMA in its current state would not contribute to any of these matters. However, the proposed development of the Site will provide opportunities to reinstate better ecological values in an appropriate manner over time; the proposed development will re-establish and enhance the existing degraded drainage corridor while provide a better long-term strategy for consolidating a local waterway and ecological corridor. Further, the incorporation of landscaping will provide for compensation of foraging resources likely to be used by fauna species moving throughout the locality.

8 Preliminary Environmental Offsets Report

As identified in **Table 1** and **Section 7.3** of this report, the Site is mapped to contain both Primary and Secondary Vegetation Management Areas under the Biodiversity Areas Overlay in the LCC Planning Scheme. The proposed development will result in the loss native canopy trees, albeit limited, from within the Primary and Secondary Vegetation Management Areas.

A financial environmental offset is calculated using the methodology outlined within the LCC *Planning scheme policy 3 – Environmental Management*. Offsets are usually calculated as:

i. an area of impact to Primary Vegetation Management Area; and

ii. can be calculated on a per tree basis for Secondary Vegetation Management Area where native trees and native habitat trees[1] are less than 1 tree per 10m^2.

Details of the surveyed vegetation on Site and their location in relation to the proposed development are shown on the TRP (**Attachment 8**).

8.1 Financial Environmental Offset

8.1.1 Primary Vegetation Management Area

Based on the current layout (**Attachment 3**), the proposed development footprint will result in an impact of approximately 0.75 ha of the Primary Vegetation Management Area on Lot 13 on RP135029 and approximately 0.78 ha of the Primary Vegetation Management Area on Lot 14 on RP135029.

As the financial offset for the balance of the Site which is Secondary Vegetation Management Area will be calculated based on the loss of native trees and native habitat trees (refer **Section 5.1.2** above), Environmental Offsets Estimates have been generated for the Primary Vegetation Management Area within on Lots 13-14 on RP135029 based on LCC's Interactive

[1] The *Logan Planning Scheme 2015,* Schedule 1, SC1.2 defines the following terms:

- Native tree: A tree, whether dead or alive, that is indigenous to Australia: that is greater than four metres in height, or has a trunk circumference of 31.5 cm or greater measured at 1.3 metres from the ground; and
- Native habitat tree: A tree, whether dead or alive, that is indigenous to Australia: that has a trunk circumference of 220 cm or more, or contains a hollow.

Mapping Tool (**Attachment 11**). These Estimates state that the Site has an ecological index of 19.54 and 19.75, respectively, for MLES area which equates to MLES 2 as defined in the *Planning scheme policy 3 – Environmental management*.

For Lot 13 on RP135029, the Environmental Offset Estimate Report states that the proposed development footprint will have a total impact of 7,832.1 m² with an estimated offset amount of **$136,514.64**.

For Lot 14 on RP135029, the Environmental Offset Estimate Report states that the proposed development footprint will have a total impact of 7,506.4 m² with an estimated offset amount of **$129,423.57**.

Therefore, the estimated offset amount for impacts to Primary Vegetation Management Area is **$265,938.21** in total.

8.1.2 Secondary Vegetation Management Area

A detailed tree survey has been completed to support calculation of the financial offset using the number of native trees and native habitat trees proposed to be cleared in the Secondary Vegetation Management Area. The survey also confirmed the density of the trees on Site is less than one tree per 10m². The offset contribution for loss of native trees and native habitat trees comes to **$71,793.54** (refer **Table 4** below).

Table 4 – Offset contribution (Secondary Vegetation Management Area)

Tree Category	Number of Trees For Offset	Estimated Cost of Individual Trees	Calculated Offset Cost
Native Tree	542	$131.49	**$71,267.58**
Native Habitat Tree	2	$262.98	**$525.96**
		Total Cost	**$71,793.54**

8.1.3 Summary of Offset Contribution

In total, the offset contribution for the proposed development comes to **$337,731.75** (refer **Table 5** below).

Table 5 – Final offset contribution summary

Offset Category	Offset Contribution
Primary Vegetation Management Area – LCC Environmental Offsets Estimate	**$525.96**
Secondary Vegetation Management Area – Native Trees	**$525.96**
Secondary Vegetation Management Area – Native Habitat Trees	**$525.96**
Total Offset Contribution	**$337,731.75**

9 Summary and Conclusions

This EAR has assessed the ecological and environmental planning matters applicable to the proposed development through statutory planning considerations and an ecological assessment of the Site and its context in the locality. This ecological assessment has identified the ecological values supported within the Site and the impacts likely to occur should the proposed development be approved in its current layout.

The Site is unencumbered by Federal or State ecological or environmental planning constraints. At a local level, the Site is mapped to contain a number of MLES under the LCC Planning Scheme's Biodiversity Areas Overlay and Waterway Corridors and Wetlands Overlay. Assessment of the proposed development against the Biodiversity Areas Overlay Code and the Waterway Corridors and Wetlands Overlay Code has been provided in this report.

It is considered that the Site supports limited ecological or habitat values within the context of the locality. Without some form of development, the Site will remain in its existing deteriorated condition, with agricultural and cropping uses continuing to contribute to eutrophication of the drainage corridor and downstream weed loading towards LCC identified Biodiversity Corridor. Whilst future development will likely require the clearing and earth-working of the entirety/ majority of the Site, development also creates opportunities to re-establish and enhance the existing degraded drainage corridor and will provide a better long-term strategy for consolidating a local waterway and ecological corridor through the proposed greenspace / park / stormwater area. Further, the incorporation of landscaping within the development footprint will provide for compensation of foraging resources likely to be used by fauna species moving throughout the locality. It is considered that the proposed development is unlikely to give rise to any significant impact on species of conservation significance.

A residential development is generally aligned with the planning intent of the Site given its Emerging Community Zoning and Low-Density Residential land use under the Park Ridge Structure Plan and will be consistent with the current development pattern of the locality.

Photo Plates



Photo 1 - Vegetation Community 1 (expanse of cropland) with tree vegetation along the sides (which are not part of Vegetation Community 1), facing north.



Photo 2 - Another photo showing cropland (Vegetation Community 1), facing northwest.



Photo 3 - Vegetation Community 2, along the eastern Site boundary.



Photo 4 - Vegetation Community 2, vegetation around dammed waterbodies.



Photo 5 – Vegetation Community 2.

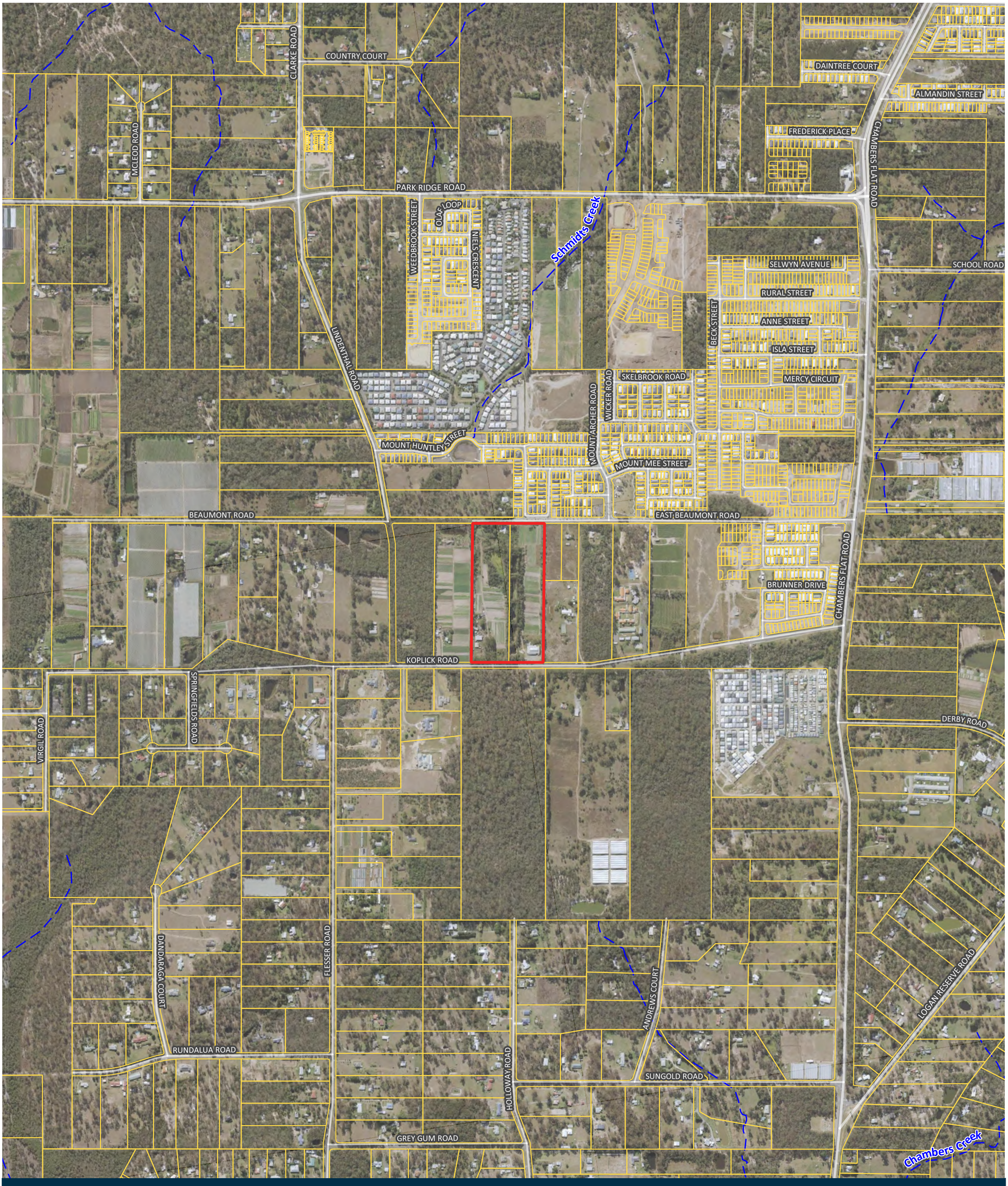


Photo 6 - Vegetation Community 2.



Photo 7 - Dammed waterbody at rear (north) of the Site.

Attachment 1



95-115 Koplick Road, Park Ridge

Legend

- Site Boundary
- Cadastre
- Waterways
- Roads & Tracks

Attachment 1 - Locality

28 South Project Ref: 2021-124

Data Sources: QLd Globe Imagery (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2020); Baseline Roads (DNRME 2020); Waterways (DNRME 2019).

28°S ENVIRONMENTAL

Issue Date	Dwg No.	Author
16-05-2023	2021-124	MQL
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

0 0.25 0.5 km

N

Attachment 2



95-115 Koplick Road, Park Ridge

Legend

- Site Boundary
- Cadastre
- Waterways
- Roads & Tracks

Attachment 2 - Site Context

28 South Project Ref: 2021-124

Data Sources: QLd Globe Imagery (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2020); Baseline Roads (DNRME 2020); Waterways (DNRME 2019).

28°S ENVIRONMENTAL

Issue Date	Dwg No.	Author
16-05-2023	2021-124	MQL
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

0 25 50 m

N

Attachment 3



Typical Lot Frontages	Yield
10–12.4m	26
12.5–13.9m	70
14–14.9m	31
15–16.9m	17
17+m	2
TOTAL RESIDENTIAL LOTS	146

Notes

1. Subject base line work and 1m contours sourced from QSpatial. All data is approximate only.

2. Any licence, express or implied, to use this document for any purpose whatsoever is restricted to the terms of the agreement or implied agreement between wolter consulting group and the instructing party.

3. Design has been prepared for the purposes of a Plan of Reconfiguration only and is subject to local authority approval & detailed engineering requirements. Areas and dimensions are approximate only and are subject to survey.

4. This note is an integral part of this plan. This plan may not be reproduced without this notation being included.

PLAN OF RECONFIGURATION

95-103 & 105-115 Koplick Road, Park Ridge

CLIENT - CFMG CAPITAL

DRAWING NO.	SHEET NO.	DATE DRAWN	VERSION
21-0346U_06	1 of 1	10-05-2023	B

COUNCIL
Logan City

DESCRIPTION
Lots 13 & 14 on RP135029

Attachment 4

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: 16-May-2023

Summary

Details

- Matters of NES
- Other Matters Protected by the EPBC Act
- Extra Information

Caveat

Acknowledgements

Summary

Matters of National Environment Significance

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

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:	7
Listed Threatened Species:	45
Listed Migratory Species:	17

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:	22
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	10
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
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	10 - 20km upstream from 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 may 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
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area	In feature area
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
Swamp Tea-tree (Melaleuca irbyana) Forest of South-east Queensland	Critically Endangered	Community may occur within area	In buffer area only
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community may 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			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may 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 may occur within area	In feature area
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
Erythrotriorchis 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
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

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
[Lathamus discolor](#) Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
[Numenius madagascariensis](#) Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
[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
[Turnix melanogaster](#) Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
[Maccullochella mariensis](#) Mary River Cod [83806]	Endangered	Translocated population known to occur within area	In buffer area only
FROG			
[Mixophyes fleayi](#) Fleay's Frog [25960]	Endangered	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			
[Chalinolobus dwyeri](#) Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Dasyurus maculatus maculatus (SE mainland population)			
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat known to occur within area	In feature area
Macroderma gigas			
Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Petauroides volans			
Greater Glider (southern and central) [254]	Endangered	Species or species habitat known to occur within area	In feature area
Petaurus australis australis			
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat known to occur within area	In feature area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)			
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus			
Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat may occur within area	In feature area
Pseudomys novaehollandiae			
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat may occur within area	In feature area
Pteropus poliocephalus			
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
PLANT			
Arthraxon hispidus			
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Cupaniopsis shirleyana			
Wedge-leaf Tuckeroo [3205]	Vulnerable	Species or species habitat may occur within area	In feature area
Dichanthium setosum			
bluegrass [14159]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Fontainea venosa [24040]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gossia gonoclada Angle-stemmed Myrtle [78866]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat 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
Planchonella eerwah Shiny-leaved Condoo, Black Plum, Wild Apple [17340]	Endangered	Species or species habitat may occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat may 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 likely to occur within area	In feature area
REPTILE			
Coeranoscincus reticulatus Three-toed Snake-tooth Skink [59628]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area	In feature area
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat likely to occur within area	In feature area

Listed Migratory Species

[Resource Information]

Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		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
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may 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			

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

Other Matters Protected by the EPBC Act

Listed Marine Species			[Resource Information]
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
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
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may 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
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat likely 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

Scientific Name	Threatened Category	Presence Text	Buffer Status
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
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
Motacilla flava Yellow Wagtail [644]		Species or species habitat may 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 may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In buffer area only
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

Scientific Name	Threatened Category	Presence Text	Buffer Status
Symposiachrus trivirgatus as Monarcha trivirgatus			
Spectacled Monarch [83946]		Species or species habitat likely to occur within area overfly marine area	In feature area
Tringa nebularia			
Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area

Extra Information

EPBC Act Referrals				[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Land clearing for proposed industrial development	2022/09427		Completed	In buffer area only
Controlled action				
Cedar Grove Connector Pipeline	2011/6013	Controlled Action	Completed	In buffer area only
Park Ridge residential, mixed use and medium impact industry precinct, Park Ridge, Queensland	2017/8090	Controlled Action	Post-Approval	In buffer area only
Rosia Park Multisport Precinct	2021/9082	Controlled Action	Further Information Request	In buffer area only
Not controlled action				
GCCC Northern Wastewater Strategy and associated Reclaimed Water Scheme - Stage	2001/282	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
Residential Development including Drainage Swale as Stormwater Infrastructure	2009/4910	Not Controlled Action	Completed	In buffer area only
Residential subdivision Lots 15 & 16 and associated access roads	2011/5804	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Construction & Operation 275/330kV Transmission Line	2006/2820	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action (particular manner) Referral decision				
Rosia Park Multisport Precinct	2021/9016	Referral Decision	Completed	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.

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Attachment 5

Queensland Government

WildNet species list

Search Criteria: Species List for a Specified Point
Species: All
Type: Native
Queensland status: All
Records: Confirmed
Date: Since 1980
Latitude: -27.7185
Longitude: 153.0802
Distance: 3
Email: max@28south.com.au
Date submitted: Tuesday 16 May 2023 14:19:38
Date extracted: Tuesday 16 May 2023 14:20:05

The number of records retrieved = 179

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The State of Queensland disclaims all responsibility for information contained in this product and all liability (including liability in negligence) for all expenses, losses, damages and costs you may incur as a result of the information being inaccurate or incomplete in any way for any reason.
Information about your Species lists request is logged for quality assurance, user support and product enhancement purposes only.
The information provided should be appropriately acknowledged as being derived from WildNet database when it is used. As the WildNet Program is still in a process of collating and vetting data, it is possible the information given is not complete. Go to the WildNet database webpage (https://www.qld.gov.au/environment/plants-animals/species-information/wildnet) to find out more about WildNet and where to access other WildNet information products approved for publication. Feedback about WildNet species lists should be emailed to wildlife.online@des.qld.gov.au.

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Hylidae	*Litoria caerulea*	common green treefrog		C		2
animals	amphibians	Hylidae	*Litoria fallax*	eastern sedgefrog		C		5
animals	amphibians	Hylidae	*Litoria gracilenta*	graceful treefrog		C		2
animals	amphibians	Hylidae	*Litoria latopalmata*	broad palmed rocketfrog		C		1
animals	amphibians	Hylidae	*Litoria rubella*	ruddy treefrog		C		2
animals	amphibians	Hylidae	*Litoria sp.*			C		1
animals	amphibians	Limnodynastidae	*Limnodynastes tasmaniensis*	spotted grassfrog		C		1
animals	amphibians	Limnodynastidae	*Limnodynastes terraereginae*	scarlet sided pobblebonk		C		1
animals	amphibians	Limnodynastidae	*Platyplectrum ornatum*	ornate burrowing frog		C		2
animals	amphibians	Myobatrachidae	*Crinia parinsignifera*	beeping froglet		C		1
animals	amphibians	Myobatrachidae	*Crinia signifera*	clicking froglet		C		1
animals	birds	Acanthizidae	*Acanthiza pusilla*	brown thornbill		C		1
animals	birds	Accipitridae	*Aviceda subcristata*	Pacific baza		C		2
animals	birds	Aegothelidae	*Aegotheles cristatus*	Australian owlet-nightjar		C		1
animals	birds	Alcedinidae	*Dacelo novaeguineae*	laughing kookaburra		C		6
animals	birds	Alcedinidae	*Todiramphus macleayii*	forest kingfisher		C		1
animals	birds	Alcedinidae	*Todiramphus sanctus*	sacred kingfisher		C		2
animals	birds	Anatidae	*Anas superciliosa*	Pacific black duck		C		5
animals	birds	Anatidae	*Chenonetta jubata*	Australian wood duck		C		8
animals	birds	Anatidae	*Cygnus atratus*	black swan		C		2
animals	birds	Ardeidae	*Ardea intermedia*	intermediate egret		C		1
animals	birds	Ardeidae	*Bubulcus ibis*	cattle egret		C		8
animals	birds	Ardeidae	*Egretta novaehollandiae*	white-faced heron		C		2
animals	birds	Artamidae	*Cracticus nigrogularis*	pied butcherbird		C		8
animals	birds	Artamidae	*Cracticus torquatus*	grey butcherbird		C		3
animals	birds	Artamidae	*Gymnorhina tibicen*	Australian magpie		C		11
animals	birds	Artamidae	*Strepera graculina*	pied currawong		C		1
animals	birds	Cacatuidae	*Cacatua galerita*	sulphur-crested cockatoo		C		4
animals	birds	Cacatuidae	*Eolophus roseicapilla*	galah		C		6
animals	birds	Campephagidae	*Coracina novaehollandiae*	black-faced cuckoo-shrike		C		3
animals	birds	Charadriidae	*Vanellus miles novaehollandiae*	masked lapwing (southern subspecies)		C		6
animals	birds	Ciconiidae	*Ephippiorhynchus asiaticus*	black-necked stork		C		5
animals	birds	Climacteridae	*Climacteris picumnus*	brown treecreeper		C		1
animals	birds	Climacteridae	*Cormobates leucophaea metastasis*	white-throated treecreeper (southern)		C		1
animals	birds	Columbidae	*Geopelia humeralis*	bar-shouldered dove		C		1
animals	birds	Columbidae	*Macropygia phasianella*	brown cuckoo-dove		C		1
animals	birds	Columbidae	*Ocyphaps lophotes*	crested pigeon		C		7
animals	birds	Coraciidae	*Eurystomus orientalis*	dollarbird		C		2
animals	birds	Corvidae	*Corvus orru*	Torresian crow		C		8
animals	birds	Dicaeidae	*Dicaeum hirundinaceum*	mistletoebird		C		1
animals	birds	Dicruridae	*Dicrurus bracteatus*	spangled drongo		C		2
animals	birds	Estrildidae	*Neochmia temporalis*	red-browed finch		C		2
animals	birds	Estrildidae	*Taeniopygia bichenovii*	double-barred finch		C		1
animals	birds	Hirundinidae	*Hirundo neoxena*	welcome swallow		C		3
animals	birds	Hirundinidae	*Petrochelidon ariel*	fairy martin		C		1
animals	birds	Jacanidae	*Irediparra gallinacea*	comb-crested jacana		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Maluridae	*Malurus lamberti*	variegated fairy-wren		C		1
animals	birds	Maluridae	*Malurus melanocephalus*	red-backed fairy-wren		C		1
animals	birds	Meliphagidae	*Entomyzon cyanotis*	blue-faced honeyeater		C		3
animals	birds	Meliphagidae	*Lichmera indistincta*	brown honeyeater		C		2
animals	birds	Meliphagidae	*Manorina melanocephala*	noisy miner		C		4
animals	birds	Meliphagidae	*Meliphaga lewinii*	Lewin's honeyeater		C		1
animals	birds	Meliphagidae	*Melithreptus albogularis*	white-throated honeyeater		C		2
animals	birds	Meliphagidae	*Myzomela sanguinolenta*	scarlet honeyeater		C		1
animals	birds	Meliphagidae	*Philemon citreogularis*	little friarbird		C		1
animals	birds	Meliphagidae	*Philemon corniculatus*	noisy friarbird		C		3
animals	birds	Monarchidae	*Grallina cyanoleuca*	magpie-lark		C		9
animals	birds	Monarchidae	*Myiagra rubecula*	leaden flycatcher		C		1
animals	birds	Neosittidae	*Daphoenositta chrysoptera*	varied sittella		C		1
animals	birds	Pachycephalidae	*Colluricincla harmonica*	grey shrike-thrush		C		2
animals	birds	Pardalotidae	*Pardalotus striatus*	striated pardalote		C		3
animals	birds	Phalacrocoracidae	*Microcarbo melanoleucos*	little pied cormorant		C		2
animals	birds	Phalacrocoracidae	*Phalacrocorax sulcirostris*	little black cormorant		C		1
animals	birds	Phasianidae	*Synoicus ypsilophorus*	brown quail		C		1
animals	birds	Podargidae	*Podargus strigoides*	tawny frogmouth		C		1
animals	birds	Psittaculidae	*Platycercus adscitus*	pale-headed rosella		C		6
animals	birds	Psittaculidae	*Platycercus adscitus palliceps*	pale-headed rosella (southern form)		C		1
animals	birds	Psittaculidae	*Platycercus eximius*	eastern rosella		C		1
animals	birds	Psittaculidae	*Trichoglossus chlorolepidotus*	scaly-breasted lorikeet		C		4
animals	birds	Psittaculidae	*Trichoglossus moluccanus*	rainbow lorikeet		C		7
animals	birds	Rallidae	*Gallinula tenebrosa*	dusky moorhen		C		2
animals	birds	Rallidae	*Porphyrio melanotus*	purple swamphen		C		3
animals	birds	Recurvirostridae	*Himantopus leucocephalus*	pied stilt		C		2
animals	birds	Rhipiduridae	*Rhipidura albiscapa*	grey fantail		C		1
animals	birds	Rhipiduridae	*Rhipidura leucophrys*	willie wagtail		C		4
animals	birds	Strigidae	*Ninox boobook*	southern boobook		C		3
animals	birds	Strigidae	*Ninox connivens*	barking owl		C		1
animals	birds	Strigidae	*Ninox strenua*	powerful owl		V		3
animals	birds	Threskiornithidae	*Platalea flavipes*	yellow-billed spoonbill		C		3
animals	birds	Threskiornithidae	*Plegadis falcinellus*	glossy ibis		SL		1
animals	birds	Threskiornithidae	*Threskiornis molucca*	Australian white ibis		C		2
animals	birds	Threskiornithidae	*Threskiornis spinicollis*	straw-necked ibis		C		5
animals	birds	Tytonidae	*Tyto novaehollandiae*	masked owl		C		1
animals	birds	Zosteropidae	*Zosterops lateralis*	silvereye		C		3
animals	mammals	Macropodidae	*Macropus giganteus*	eastern grey kangaroo		C		6
animals	mammals	Macropodidae	*Notamacropus dorsalis*	black-striped wallaby		C		1
animals	mammals	Macropodidae	*Notamacropus parryi*	whiptail wallaby		C		1
animals	mammals	Macropodidae	*Notamacropus rufogriseus*	red-necked wallaby		C		5
animals	mammals	Miniopteridae	*Miniopterus australis*	little bent-wing bat		C		1
animals	mammals	Molossidae	*Austronomus australis*	white-striped freetail bat		C		1
animals	mammals	Muridae	*Rattus fuscipes*	bush rat		C		1
animals	mammals	Peramelidae	*Isoodon macrourus*	northern brown bandicoot		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	mammals	Petauridae	*Petaurus breviceps*	sugar glider		C		1
animals	mammals	Petauridae	*Petaurus sp.*			C		1
animals	mammals	Phalangeridae	*Trichosurus vulpecula*	common brushtail possum		C		3
animals	mammals	Phascolarctidae	*Phascolarctos cinereus*	koala		E	E	98
animals	mammals	Pseudocheiridae	*Petauroides armillatus*	central greater glider		E	E	3
animals	mammals	Pseudocheiridae	*Pseudocheirus peregrinus*	common ringtail possum		C		2
animals	mammals	Pteropodidae	*Pteropus alecto*	black flying-fox		C		1
animals	mammals	Vespertilionidae	*Chalinolobus gouldii*	Gould's wattled bat		C		1
animals	reptiles	Agamidae	*Intellagama lesueurii*	eastern water dragon		C		1
animals	reptiles	Agamidae	*Pogona barbata*	bearded dragon		C		2
animals	reptiles	Scincidae	*Cryptoblepharus pulcher pulcher*	elegant snake-eyed skink		C		2
animals	reptiles	Scincidae	*Lampropholis delicata*	dark-flecked garden sunskink		C		2
animals	reptiles	Varanidae	*Varanus varius*	lace monitor		C		1
fungi	Agaricomycetes	Polyporaceae	*Pycnoporus coccineus*			C		1/1
plants	green algae	Hydrodictyaceae	*Hydrodictyon reticulatum*			C		1/1
plants	land plants	Apiaceae	*Centella asiatica*			C		1
plants	land plants	Apocynaceae	*Parsonsia straminea*	monkey rope		C		3
plants	land plants	Arecaceae	*Archontophoenix cunninghamiana*	piccabeen palm		C		1
plants	land plants	Asteraceae	*Chrysocephalum apiculatum*	yellow buttons		C		1
plants	land plants	Asteraceae	*Chrysocephalum apiculatum subsp. exile*			C		1
plants	land plants	Asteraceae	*Ozothamnus diosmifolius*	white dogwood		C		1
plants	land plants	Campanulaceae	*Lobelia purpurascens*	white root		SL		2
plants	land plants	Casuarinaceae	*Allocasuarina littoralis*			C		3
plants	land plants	Casuarinaceae	*Allocasuarina torulosa*			C		1
plants	land plants	Casuarinaceae	*Casuarina glauca*	swamp she-oak		C		1
plants	land plants	Colchicaceae	*Wurmbea dioica subsp. dioica*			C		1/1
plants	land plants	Cyperaceae	*Cyperus polystachyos*			C		2
plants	land plants	Cyperaceae	*Gahnia aspera*			C		1
plants	land plants	Cyperaceae	*Lepidosperma laterale*			C		1
plants	land plants	Cyperaceae	*Machaerina articulata*			C		2
plants	land plants	Cyperaceae	*Ptilothrix deusta*			C		2
plants	land plants	Dennstaedtiaceae	*Pteridium esculentum*	common bracken		C		2
plants	land plants	Dicksoniaceae	*Calochlaena dubia*			C		1
plants	land plants	Dilleniaceae	*Hibbertia vestita*			C		1
plants	land plants	Juncaceae	*Juncus*					1
plants	land plants	Laxmanniaceae	*Lomandra hystrix*			C		2
plants	land plants	Laxmanniaceae	*Lomandra longifolia*			C		3
plants	land plants	Laxmanniaceae	*Lomandra multiflora subsp. multiflora*			C		1
plants	land plants	Leguminosae	*Acacia*					1
plants	land plants	Leguminosae	*Acacia concurrens*			C		3
plants	land plants	Leguminosae	*Acacia disparrima subsp. disparrima*			C		2
plants	land plants	Leguminosae	*Acacia fimbriata*	Brisbane golden wattle		C		1
plants	land plants	Leguminosae	*Acacia leiocalyx subsp. leiocalyx*			C		3
plants	land plants	Leguminosae	*Jacksonia scoparia*			C		1
plants	land plants	Leguminosae	*Senna barclayana*			C		1
plants	land plants	Moraceae	*Maclura cochinchinensis*	cockspur thorn		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Myrtaceae	*Angophora leiocarpa*	rusty gum		C		5
plants	land plants	Myrtaceae	*Angophora woodsiana*	smudgee		C		2
plants	land plants	Myrtaceae	*Corymbia intermedia*	pink bloodwood		C		3
plants	land plants	Myrtaceae	*Corymbia torelliana*	cadaghi		C		2
plants	land plants	Myrtaceae	*Eucalyptus microcorys*			C		2
plants	land plants	Myrtaceae	*Eucalyptus propinqua*	small-fruited grey gum		C		1
plants	land plants	Myrtaceae	*Eucalyptus racemosa subsp. racemosa*	scribbly gum		C		3
plants	land plants	Myrtaceae	*Eucalyptus seeana*	narrow-leaved red gum		C		2
plants	land plants	Myrtaceae	*Eucalyptus seeana var. constricta*			C		1
plants	land plants	Myrtaceae	*Eucalyptus siderophloia*			C		2
plants	land plants	Myrtaceae	*Eucalyptus tereticornis*			C		2
plants	land plants	Myrtaceae	*Leptospermum*					1
plants	land plants	Myrtaceae	*Leptospermum polygalifolium*	tantoon		C		2
plants	land plants	Myrtaceae	*Lophostemon confertus*	brush box		C		1
plants	land plants	Myrtaceae	*Lophostemon suaveolens*	swamp box		C		4
plants	land plants	Myrtaceae	*Melaleuca irbyana*			E		1/1
plants	land plants	Myrtaceae	*Melaleuca linariifolia*	snow-in summer		C		2
plants	land plants	Myrtaceae	*Melaleuca nodosa*			C		1
plants	land plants	Myrtaceae	*Melaleuca pachyphylla*			C		1
plants	land plants	Myrtaceae	*Melaleuca quinquenervia*	swamp paperbark		C		3
plants	land plants	Myrtaceae	*Melaleuca salicina*			C		1
plants	land plants	Myrtaceae	*Melaleuca sieberi*			C		2
plants	land plants	Myrtaceae	*Melaleuca thymifolia*	thyme honeymyrtle		C		1
plants	land plants	Nephrolepidaceae	*Nephrolepis cordifolia*	fishbone fern		C		1
plants	land plants	Phyllanthaceae	*Glochidion ferdinandi*			C		1
plants	land plants	Poaceae	*Cymbopogon refractus*	barbed-wire grass		C		1
plants	land plants	Poaceae	*Imperata cylindrica*	blady grass		C		3
plants	land plants	Poaceae	*Leersia hexandra*	swamp rice grass		C		1
plants	land plants	Poaceae	*Oplismenus aemulus var. lasiorhachis*			C		1
plants	land plants	Poaceae	*Paspalum*					1
plants	land plants	Poaceae	*Setaria*					2
plants	land plants	Poaceae	*Themeda triandra*	kangaroo grass		C		3
plants	land plants	Proteaceae	*Banksia integrifolia*			C		2
plants	land plants	Proteaceae	*Grevillea robusta*			C		2
plants	land plants	Proteaceae	*Lomatia silaifolia*	crinkle bush		C		1
plants	land plants	Proteaceae	*Macadamia integrifolia*	macadamia nut		V	V	1
plants	land plants	Proteaceae	*Persoonia cornifolia*	broad-leaved geebung		C		1
plants	land plants	Rhamnaceae	*Alphitonia excelsa*	soap tree		C		4
plants	land plants	Sapindaceae	*Dodonaea triquetra*	large-leaved hop bush		C		1
plants	land plants	Thelypteridaceae	*Christella dentata*	creek fern		SL		1
plants	land plants	Typhaceae	*Typha orientalis*	broad-leaved cumbungi		C		1

CODES

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

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

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

Records - The first number indicates the total number of records of the taxon (wildlife records and species listings for selected areas).
This number is output as 99999 if it equals or exceeds this value. A second number located after a / indicates the number of specimen records for the taxon.
This number is output as 999 if it equals or exceeds this value.

Attachment 6

resources.QLD.GOV.AU



Vegetation management report

For Lot: 13 Plan: RP135029

16/05/2023

Queensland Government

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Recent changes

Updated mapping

Updated vegetation mapping was released on 8 September 2022 and includes the most recent Queensland Herbarium scientific updates to the Regulated Vegetation Management Map, regional ecosystems, wetland, high-value regrowth and essential habitat mapping.

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

Overview

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

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

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

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

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

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

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

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

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

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

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

- the vegetation management framework, which may include:

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

- the protected plant framework, which may include:

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

- the koala protection framework, which may include:

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

Other laws

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

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1. Property details

1.1 Tenure and title area

All of the lot, plan, tenure and title area information associated with property Lot: 13 Plan: RP135029, are listed in Table 1.

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

Lot	Plan	Tenure	Property title area (sq metres)
13	RP135029	Freehold	54,030

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

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

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

1.2 Property location

Table 2 provides a summary of the locations for property Lot: 13 Plan: RP135029, in relation to natural and administrative boundaries.

Table 2: Property location details

Local Government(s)
Logan City

Bioregion(s)	Subregion(s)
Southeast Queensland	Moreton Basin

Catchment(s)
Logan-Albert

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

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

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

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

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

2.1 Exempt clearing work

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

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

A range of routine property management activities are considered exempt clearing work. A list of exempt clearing work is available at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/exemptions.

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

2.2 Accepted development vegetation clearing codes

Some clearing activities can be undertaken under an accepted development vegetation clearing code. The codes can be downloaded at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/codes

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

You can complete the online form at
https://apps.dnrm.qld.gov.au/vegetation/

2.3 Area management plans

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

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

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

If an Area Management Plan applies to your property for which you can make a new notification, it will be listed in Section 3.6 of this report. Before clearing under one of these AMPs, you must first notify the Department of Resources and then follow the conditions and requirements listed in the AMP.
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/area-management-plans

2.4 Development approvals

If under the vegetation management framework your proposed clearing is not exempt clearing work, or is not permitted under an accepted development vegetation clearing code, or an AMP, you may be able to apply for a development approval. Information on how to apply for a development approval is available at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/development

2.5. Contact information for the Department of Resources

For further information on the vegetation management framework:
Phone 135VEG (135 834)
Email vegetation@resources.qld.gov.au
Visit https://www.resources.qld.gov.au/?contact=vegetation to submit an online enquiry.

3. Vegetation management framework for Lot: 13 Plan: RP135029

3.1 Vegetation categories

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

Table 3: Vegetation categories for subject property. Total area: 5.4ha

Vegetation category	Area (ha)
Category X	5.4

Table 4: Description of vegetation categories

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

Property Map of Assessable Vegetation (PMAV)

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

3.2 Regional ecosystems

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

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

Table 5: Regional ecosystems present on subject property

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
non-rem	None	X	5.40	None	None

Please note:

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

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

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

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

3.3 Watercourses

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

3.4 Wetlands

There are no vegetation management wetlands present on this property.

3.5 Essential habitat

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

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

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

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

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

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

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

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

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

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

No records

3.6 Area Management Plan(s)

Nil

3.7 Coastal or non-coastal

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

Coastal

*See also Map 4.3

3.8 Agricultural Land Class A or B

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

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

No Class A

Class B (with urban areas masked as per SPP): 5.4ha

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

See Map 4.4 to identify the location and extent of Class A and/or Class B Agricultural land on Lot: 13 Plan: RP135029.

4. Vegetation management framework maps

Vegetation management maps included in this report may also be requested individually at:
https://www.resources.qld.gov.au/qld/environment/land/vegetation/vegetation-map-request-form

Regulated vegetation management map

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

Vegetation management supporting map

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

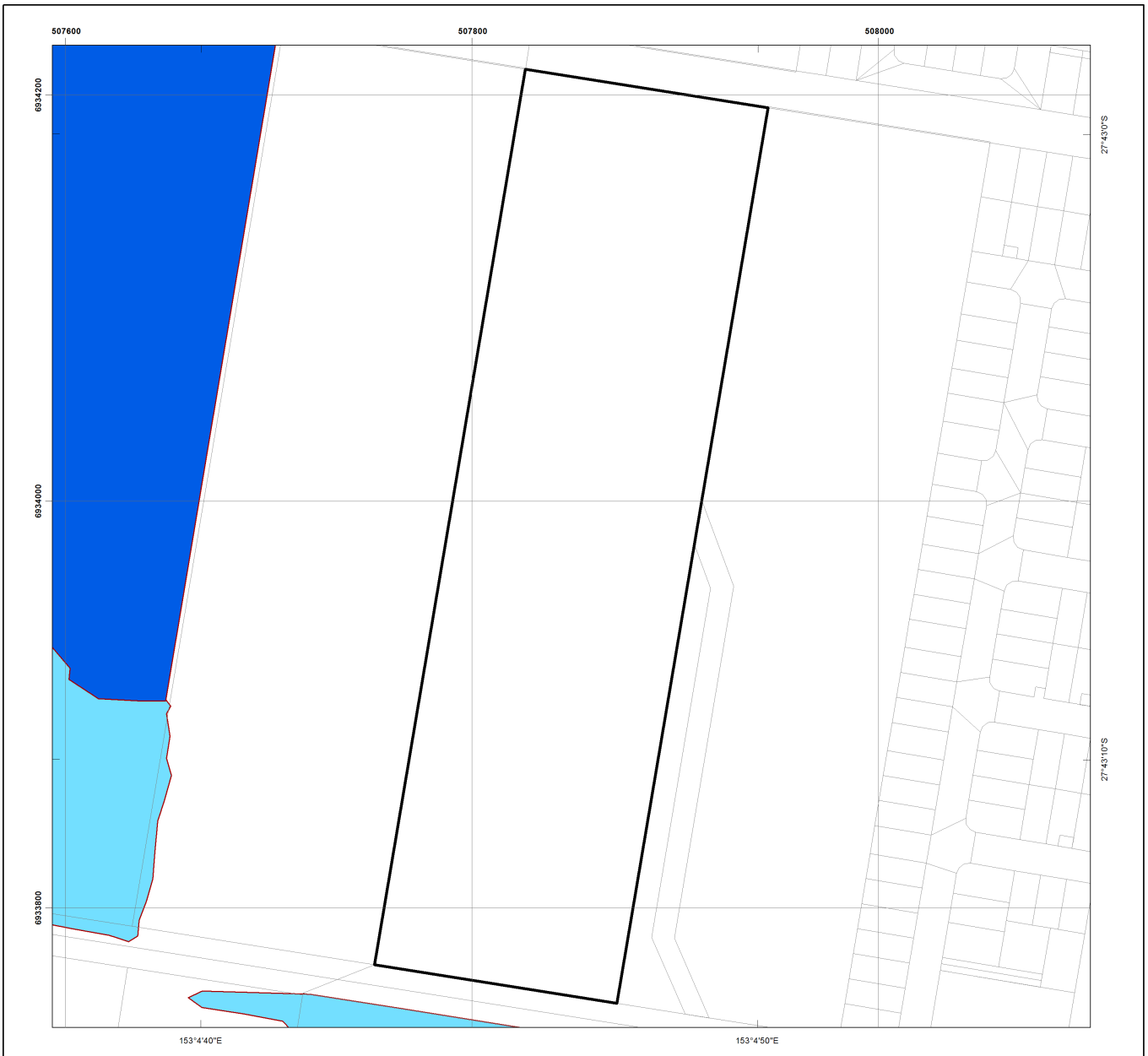
Coastal/non-coastal map

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

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

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

4.1 Regulated vegetation management map

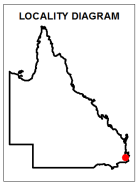


Regulated Vegetation Management Map

Legend

- Selected Lot and Plan
- Category A area (Vegetation offsets/compliance notices/VDecs)
- Category B area (Remnant vegetation)
- Category C area (High-value regrowth vegetation)
- Category R area (Reef regrowth watercourse vegetation)
- Category X area (Exempt clearing work on Freehold, Indigenous and Leasehold land)
- Water
- Other land parcel boundaries

LOCALITY DIAGRAM



N

0 25 50 75 100 125 m

This product is projected into:
GDA 1994 MGA Zone 56

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

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

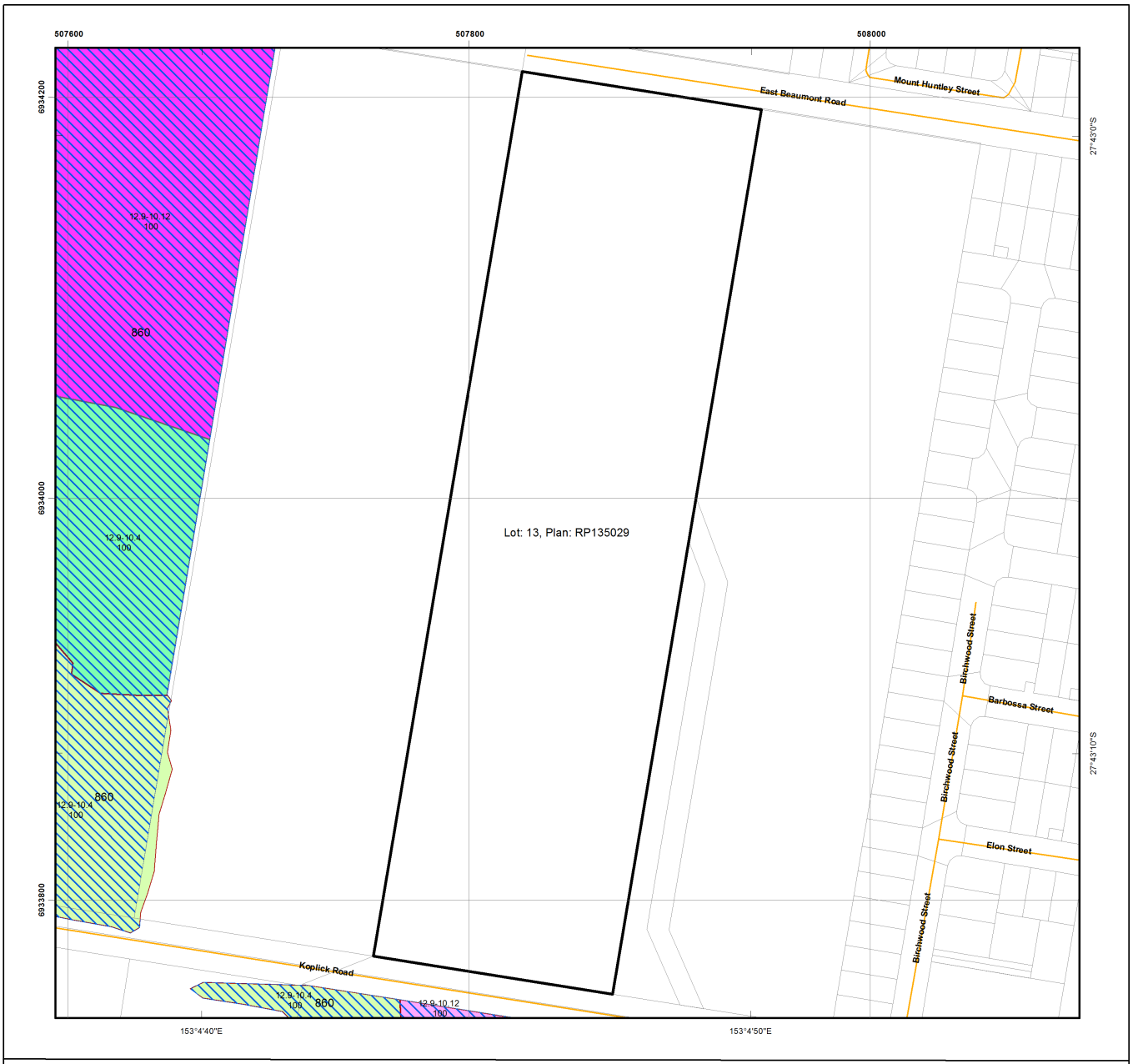
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at http://www.information.qld.gov.au/

Land parcel boundaries are provided as locational aid only.

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

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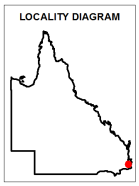
4.2 Vegetation management supporting map



Vegetation Management Supporting Map

Legend

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



N

0 20 40 60 80 100 m

This product is projected into:
GDA 1994 MGA Zone 56

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

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

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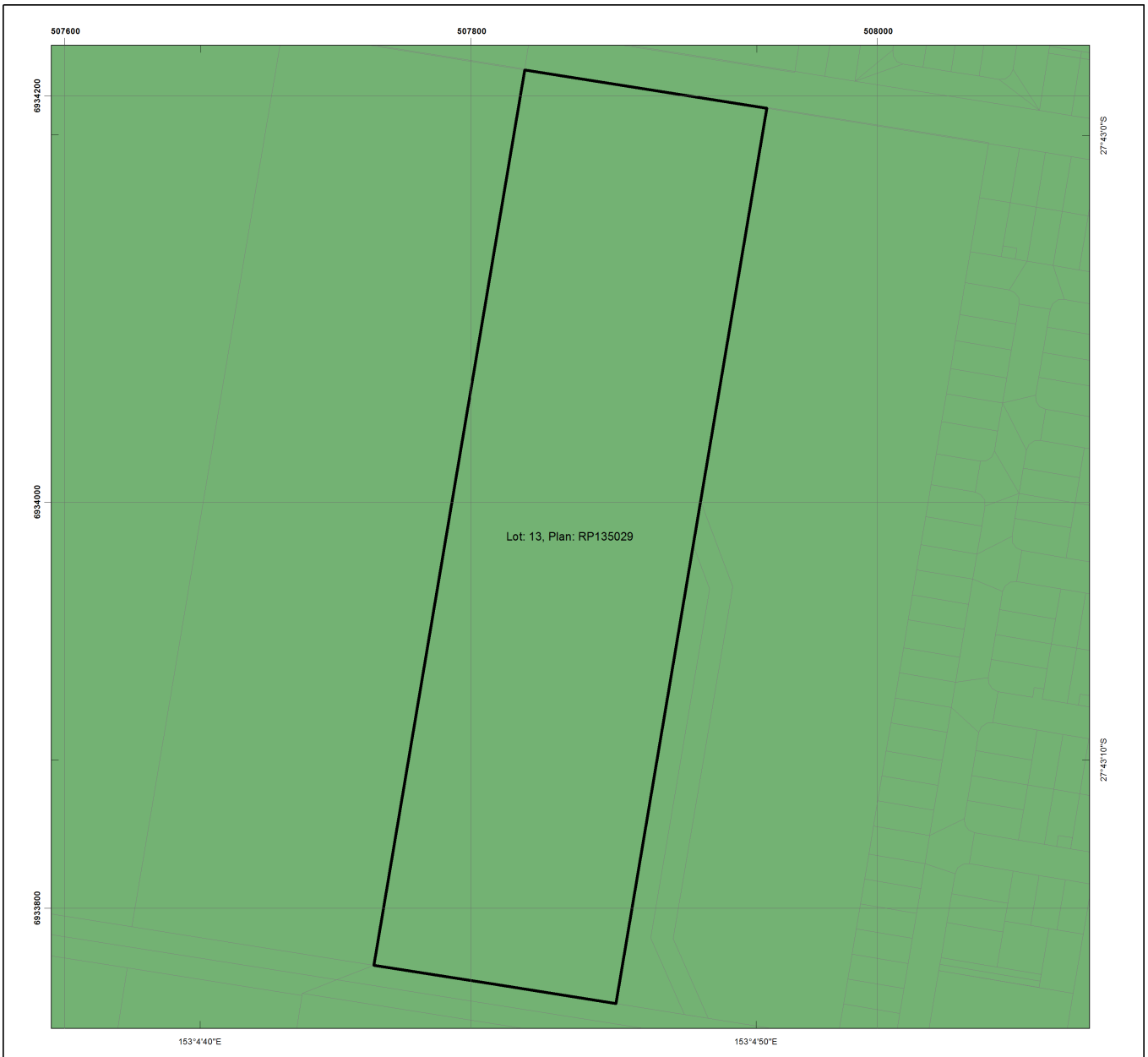
Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: www.resources.qld.gov.au or contact the Department of Resources.

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

Land parcel boundaries are provided as locational aid only.

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4.3 Coastal/non-coastal map

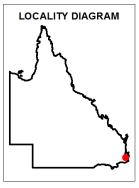


Coastal/Non Coastal Map

Legend

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

LOCALITY DIAGRAM



N

0 25 50 75 100 125 m

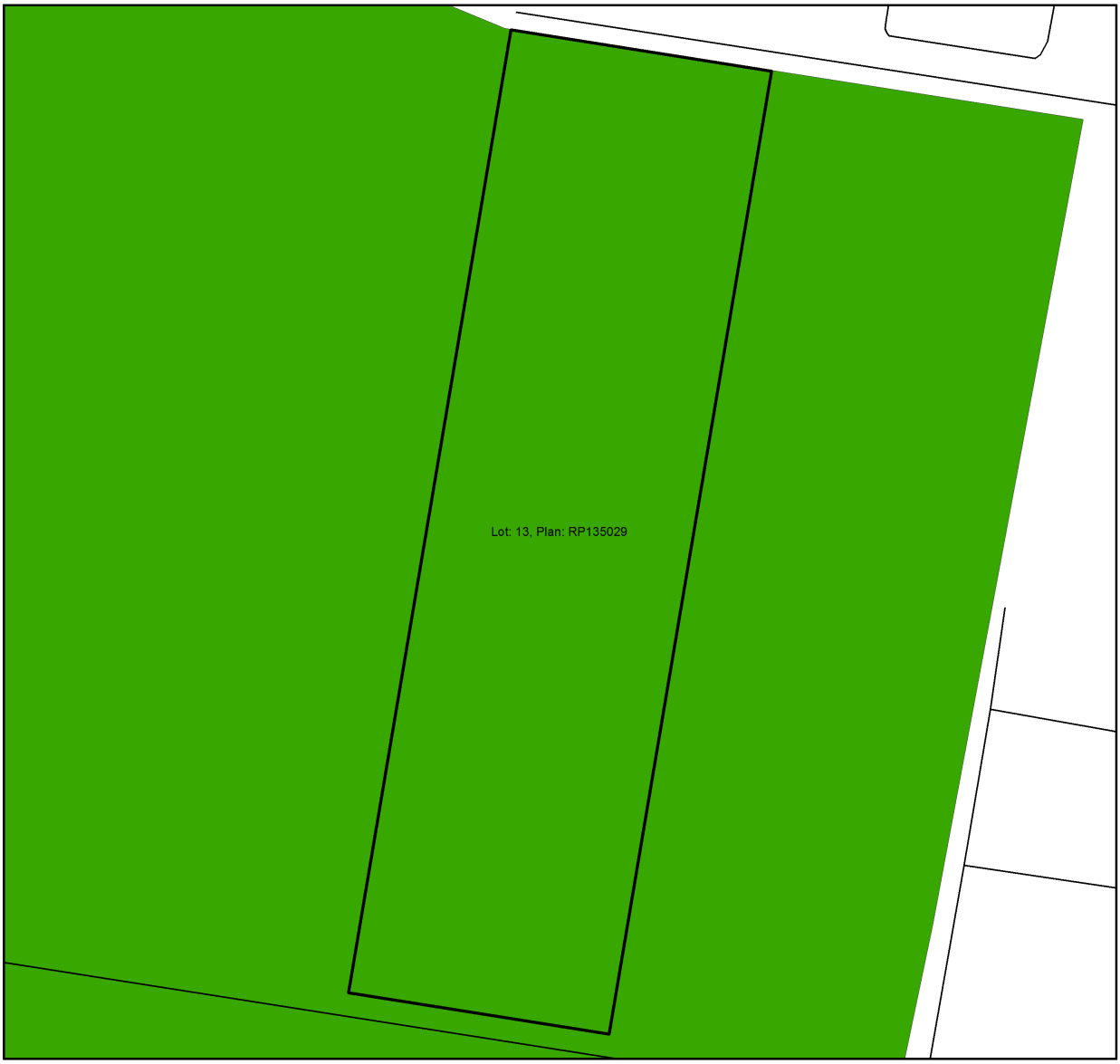
This product is projected into:
GDA 1994 MGA Zone 56

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



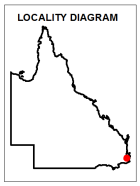
Agricultural Land Class A or B
as per State Planning Policy: State Interest for Agriculture

Legend

- Selected Lot and Plan
- Towns
- Rivers and creeks
- Freeways / motorways; Highways
- Secondary roads; Streets

Agricultural land class A or B

- A
- B
- Not class A or B



N

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0 25 50 75 100 125 m

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This product is projected into GDA 1994 MGA Zone 56

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

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

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

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

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

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

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

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

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

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

5.3 Exemptions

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

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

5.4 Contact information for DES

For further information on the protected plants framework:
Phone 1300 130 372 (and select option four)
Email palm@des.qld.gov.au
Visit https://www.qld.gov.au/environment/plants-animals/plants/protected-plants

5.5 Protected plants flora survey trigger map

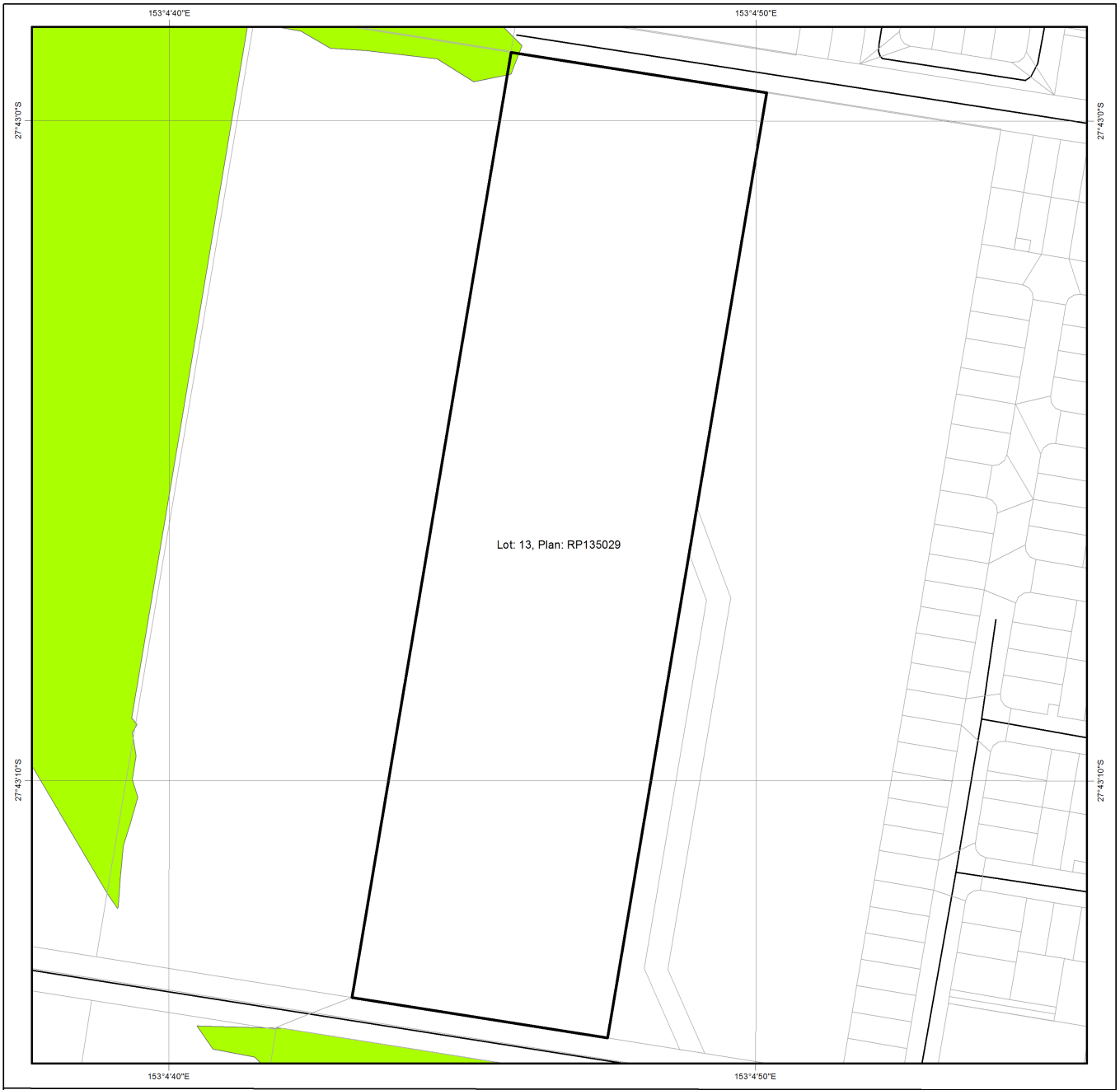
This map included may also be requested individually at: https://apps.des.qld.gov.au/map-request/flora-survey-trigger/.

Updates to the data informing the flora survey trigger map

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

Species information

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

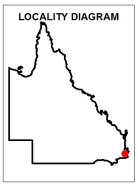


Protected Plants Flora Survey Trigger Map

Legend

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

LOCALITY DIAGRAM



N

0 10 20 30 40 50 m

This product is projected into:
GDA 1994 MGA Zone 56

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

Land parcel boundaries are provided as locational aid only.

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

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

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

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

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

6.1 Koala mapping

6.1.1 Koala districts

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

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

6.1.2 Koala habitat areas

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

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

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

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

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

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

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

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

6.1.3 Koala priority areas

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

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

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

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

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

6.1.4 Identified koala broad-hectare areas

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

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

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

6.2 Koala habitat planning controls

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

More information on these planning controls can be found here:
https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy.

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

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

Interfering with koala habitat means:

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

However, these planning controls do not apply if the development is exempted development as defined in Schedule 24 of the Planning Regulation 2017. More information on exempted development can be found here:
https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy.

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

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

- development in identified koala broad-hectare areas.

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

6.3 Koala Conservation Plan clearing requirements

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

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

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

6.4 Contact information for DES

For further information on the koala protection framework:
Phone 13 QGOV (13 74 68)
Email koala.assessment@des.qld.gov.au
Visit https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping

7. Koala protection framework details for Lot: 13 Plan: RP135029

7.1 Koala districts

Koala District A

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



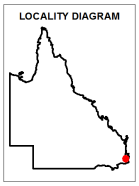
Koala priority area, koala habitat area and identified koala broad-hectare area map

Legend

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

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

LOCALITY DIAGRAM



N

0 20 40 60 80 100 m

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

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

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7.3 Koala habitat regional ecosystems for core koala habitat areas

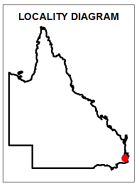


Koala habitat regional ecosystems for core koala habitat areas

Legend

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

LOCALITY DIAGRAM



N

0 25 50 75 100 125 m

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8. Other relevant legislation contacts list

Activity	Legislation	Agency	Contact details
• Interference with overland flow • Earthworks, significant disturbance	*Water Act 2000* *Soil Conservation Act 1986*	Department of Regional Development, Manufacturing and Water (Queensland Government) Department of Resources (Queensland Government)	Ph: 13 QGOV (13 74 68) www.rdmw.qld.gov.au www.resources.qld.gov.au
• Indigenous Cultural Heritage	*Aboriginal Cultural Heritage Act 2003* *Torres Strait Islander Cultural Heritage Act 2003*	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships	Ph: 13 QGOV (13 74 68) www.datsip.qld.gov.au
• Mining and environmentally relevant activities • Infrastructure development (coastal) • Heritage issues	*Environmental Protection Act 1994* *Coastal Protection and Management Act 1995* *Queensland Heritage Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) www.des.qld.gov.au
• Protected plants and protected areas	*Nature Conservation Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 1300 130 372 (option 4) palm@des.qld.gov.au www.des.qld.gov.au
• Koala mapping and regulations	*Nature Conservation Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) Koala.assessment@des.qld.gov.au
• Interference with fish passage in a watercourse, mangroves • Forestry activities on State land tenures	*Fisheries Act 1994* *Forestry Act 1959*	Department of Agriculture and Fisheries (Queensland Government)	Ph: 13 QGOV (13 74 68) www.daf.qld.gov.au
• Matters of National Environmental Significance including listed threatened species and ecological communities	*Environment Protection and Biodiversity Conservation Act 1999*	Department of Agriculture, Water and the Environment (Australian Government)	Ph: 1800 803 772 www.environment.gov.au
• Development and planning processes	*Planning Act 2016* *State Development and Public Works Organisation Act 1971*	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) www.dsdmip.qld.gov.au
• Local government requirements	*Local Government Act 2009* *Planning Act 2016*	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) Your relevant local government office
• Harvesting timber in the Wet Tropics of Qld World Heritage area	*Wet Tropics World Heritage Protection and Management Act 1993*	Wet Tropics Management Authority	Ph: (07) 4241 0500 www.wettropics.gov.au

resources.QLD.GOV.AU



Vegetation management report

For Lot: 14 Plan: RP135029

16/05/2023

Queensland Government

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Recent changes

Updated mapping

Updated vegetation mapping was released on 8 September 2022 and includes the most recent Queensland Herbarium scientific updates to the Regulated Vegetation Management Map, regional ecosystems, wetland, high-value regrowth and essential habitat mapping.

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

Overview

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

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

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

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

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

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

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

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

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

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

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

- the vegetation management framework, which may include:

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

- the protected plant framework, which may include:

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

- the koala protection framework, which may include:

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

Other laws

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

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1. Property details

1.1 Tenure and title area

All of the lot, plan, tenure and title area information associated with property Lot: 14 Plan: RP135029, are listed in Table 1.

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

Lot	Plan	Tenure	Property title area (sq metres)
14	RP135029	Freehold	49,480
A	RP898903	Easement	2,720

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

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

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

1.2 Property location

Table 2 provides a summary of the locations for property Lot: 14 Plan: RP135029, in relation to natural and administrative boundaries.

Table 2: Property location details

Local Government(s)
Logan City

Bioregion(s)	Subregion(s)
Southeast Queensland	Moreton Basin

Catchment(s)
Logan-Albert

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

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

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

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

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

2.1 Exempt clearing work

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

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

A range of routine property management activities are considered exempt clearing work. A list of exempt clearing work is available at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/exemptions.

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

2.2 Accepted development vegetation clearing codes

Some clearing activities can be undertaken under an accepted development vegetation clearing code. The codes can be downloaded at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/codes

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

You can complete the online form at
https://apps.dnrm.qld.gov.au/vegetation/

2.3 Area management plans

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

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

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

If an Area Management Plan applies to your property for which you can make a new notification, it will be listed in Section 3.6 of this report. Before clearing under one of these AMPs, you must first notify the Department of Resources and then follow the conditions and requirements listed in the AMP.
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/area-management-plans

2.4 Development approvals

If under the vegetation management framework your proposed clearing is not exempt clearing work, or is not permitted under an accepted development vegetation clearing code, or an AMP, you may be able to apply for a development approval. Information on how to apply for a development approval is available at
https://www.qld.gov.au/environment/land/management/vegetation/clearing-approvals/development

2.5. Contact information for the Department of Resources

For further information on the vegetation management framework:
Phone 135VEG (135 834)
Email vegetation@resources.qld.gov.au
Visit https://www.resources.qld.gov.au/?contact=vegetation to submit an online enquiry.

3. Vegetation management framework for Lot: 14 Plan: RP135029

3.1 Vegetation categories

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

Table 3: Vegetation categories for subject property. Total area: 4.95ha

Vegetation category	Area (ha)
Category X	5.0

Table 4: Description of vegetation categories

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

Property Map of Assessable Vegetation (PMAV)

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

3.2 Regional ecosystems

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

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

Table 5: Regional ecosystems present on subject property

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
non-rem	None	X	4.95	None	None

Please note:

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

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

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

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

3.3 Watercourses

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

3.4 Wetlands

There are no vegetation management wetlands present on this property.

3.5 Essential habitat

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

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

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

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

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

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

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

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

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

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

No records

3.6 Area Management Plan(s)

Nil

3.7 Coastal or non-coastal

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

Coastal

*See also Map 4.3

3.8 Agricultural Land Class A or B

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

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

No Class A

Class B (with urban areas masked as per SPP): 4.95ha

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

See Map 4.4 to identify the location and extent of Class A and/or Class B Agricultural land on Lot: 14 Plan: RP135029.

4. Vegetation management framework maps

Vegetation management maps included in this report may also be requested individually at:
https://www.resources.qld.gov.au/qld/environment/land/vegetation/vegetation-map-request-form

Regulated vegetation management map

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

Vegetation management supporting map

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

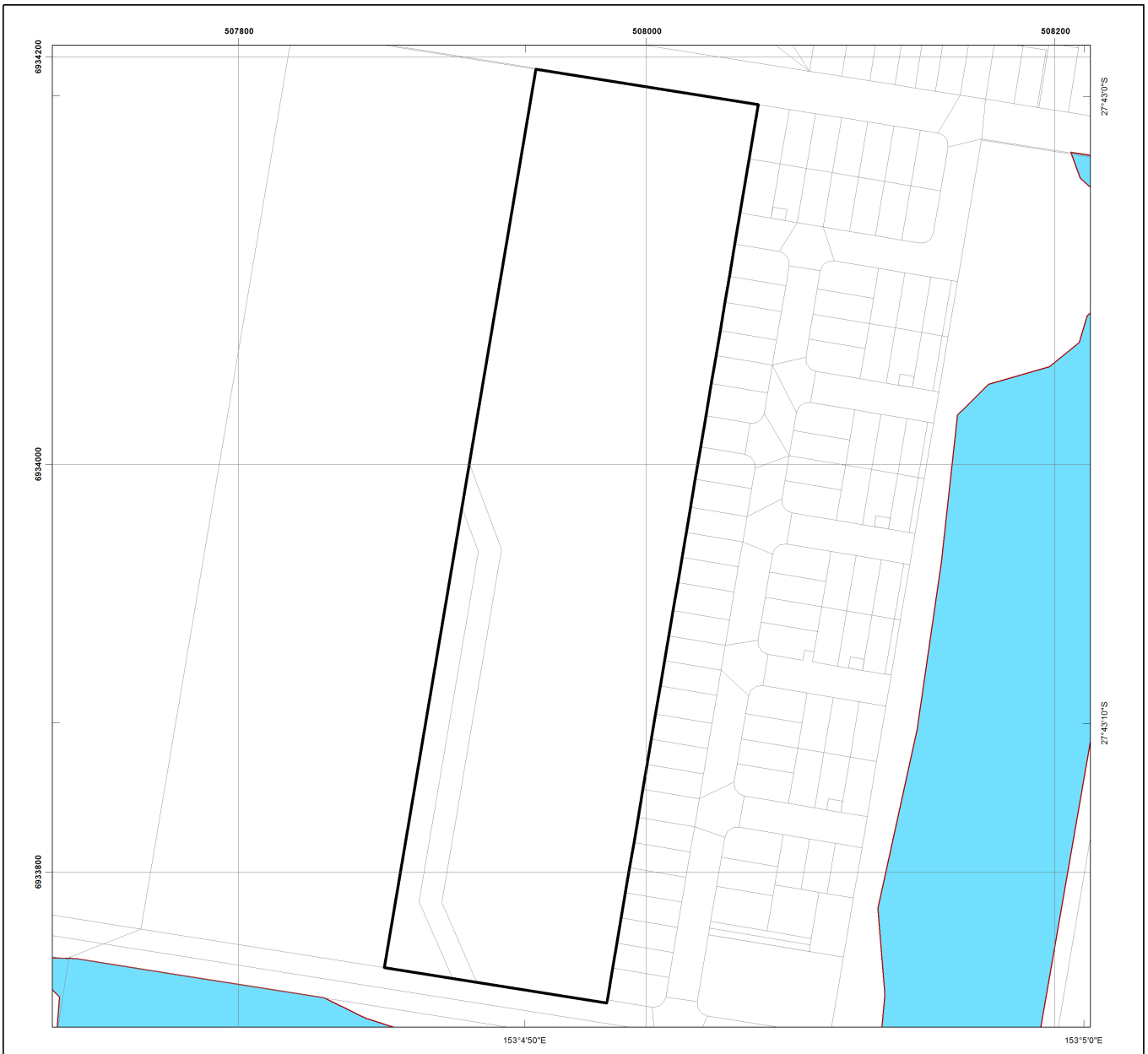
Coastal/non-coastal map

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

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

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

4.1 Regulated vegetation management map

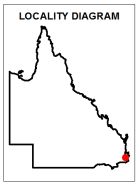


Regulated Vegetation Management Map

Legend

- Selected Lot and Plan
- Category A area (Vegetation offsets/compliance notices/VDecs)
- Category B area (Remnant vegetation)
- Category C area (High-value regrowth vegetation)
- Category R area (Reef regrowth watercourse vegetation)
- Category X area (Exempt clearing work on Freehold, Indigenous and Leasehold land)
- Water
- Other land parcel boundaries

LOCALITY DIAGRAM



N

0 25 50 75 100 125 m

This product is projected into:
GDA 1994 MGA Zone 56

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

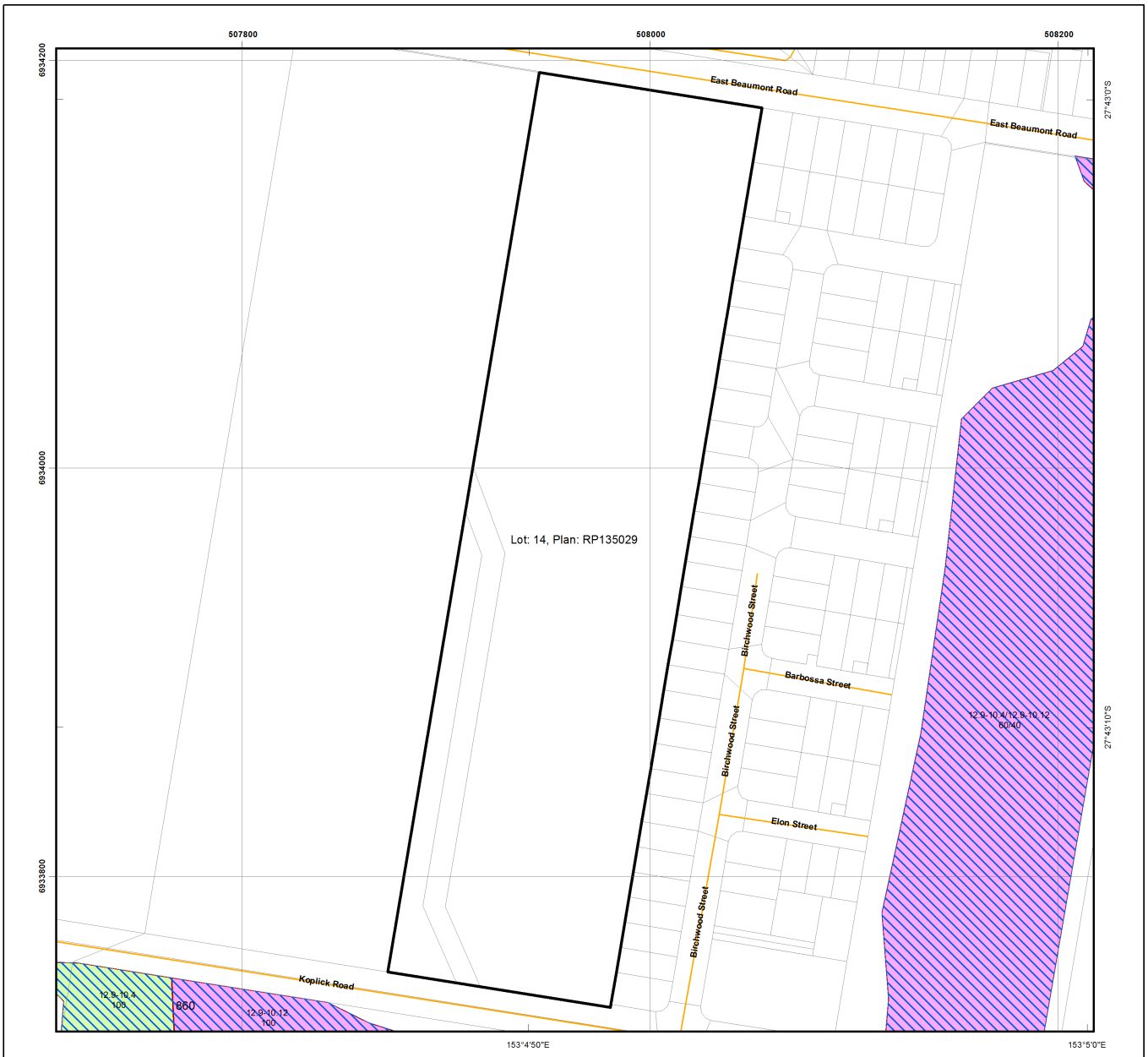
Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at http://www.information.qld.gov.au/

Land parcel boundaries are provided as locational aid only.

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

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4.2 Vegetation management supporting map

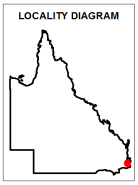


Vegetation Management Supporting Map

Legend

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

LOCALITY DIAGRAM



N

0 20 40 60 80 100 m

This product is projected into:
GDA 1994 MGA Zone 56

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

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

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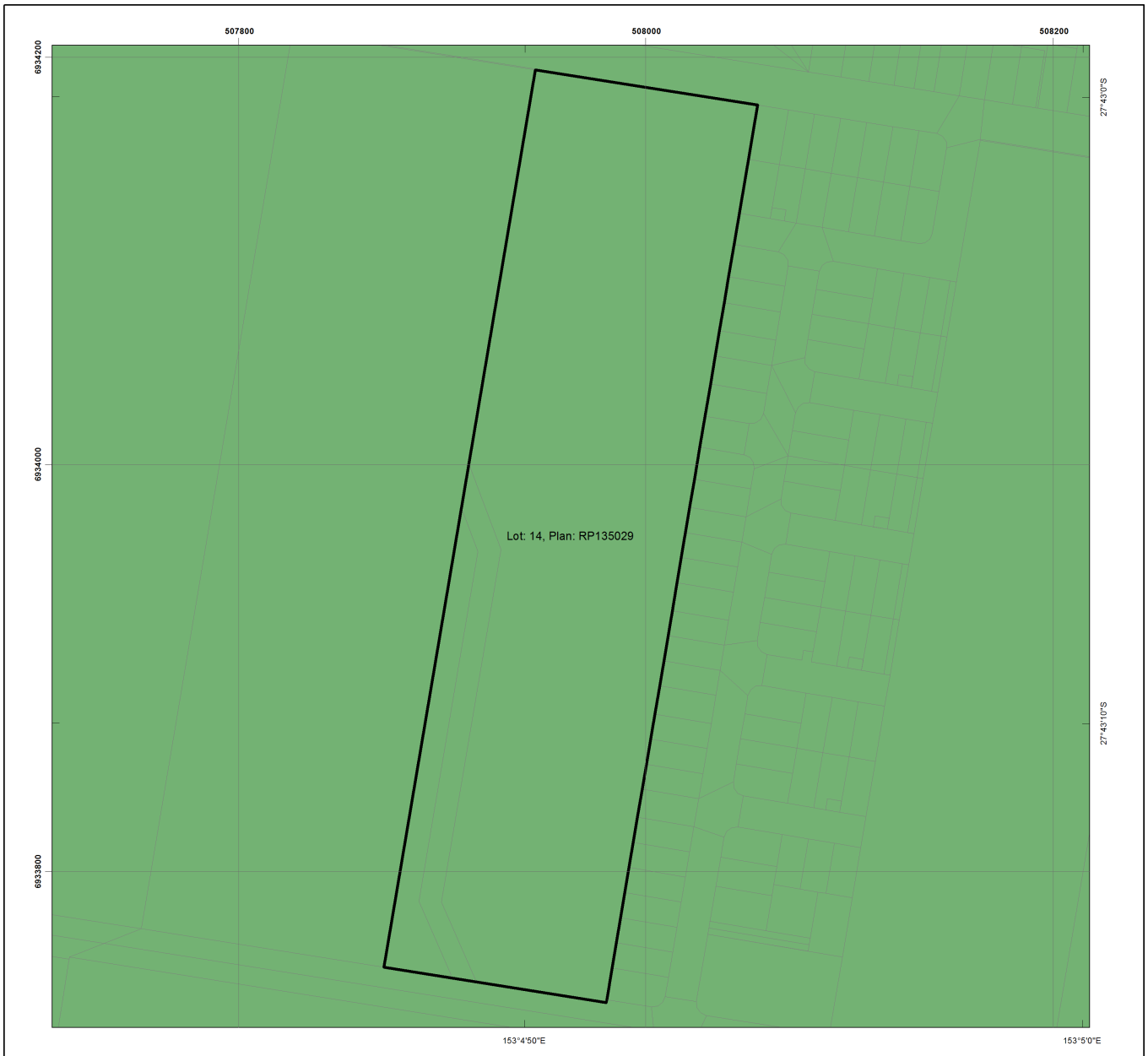
Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: www.resources.qld.gov.au or contact the Department of Resources.

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

Land parcel boundaries are provided as locational aid only.

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4.3 Coastal/non-coastal map

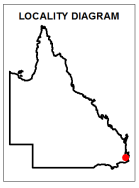


Coastal/Non Coastal Map

Legend

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

LOCALITY DIAGRAM



N

0 25 50 75 100 125 m

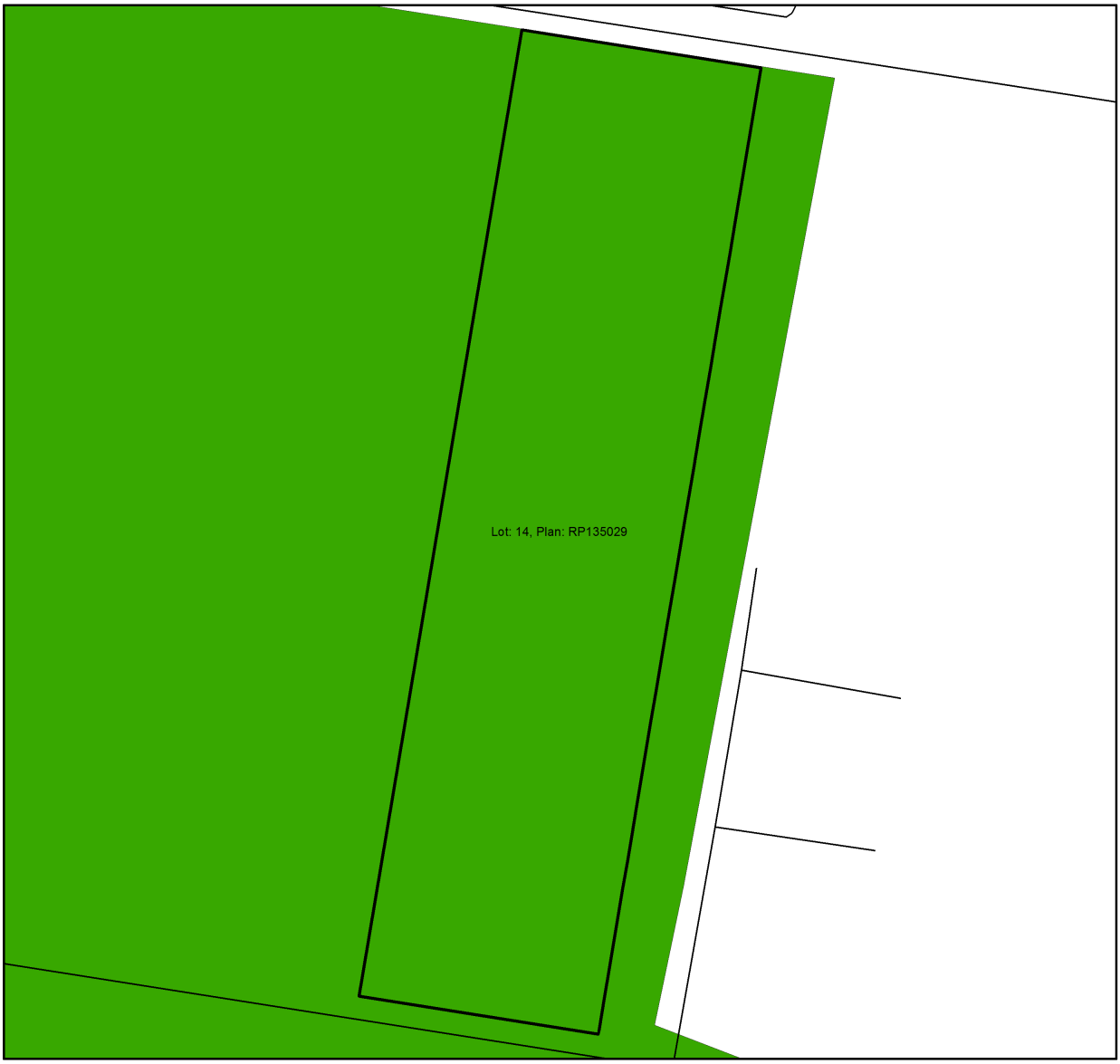
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4.4 Agricultural Land Class A or B as per State Planning Policy: State Interest for Agriculture



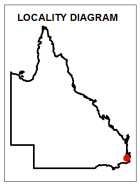
Agricultural Land Class A or B
as per State Planning Policy: State Interest for Agriculture

Legend

- Selected Lot and Plan
- Towns
- Rivers and creeks
- Freeways / motorways; Highways
- Secondary roads; Streets

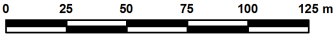
Agricultural land class A or B

- A
- B
- Not class A or B





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

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

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

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

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

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

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

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

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

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

5.3 Exemptions

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

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

5.4 Contact information for DES

For further information on the protected plants framework:
Phone 1300 130 372 (and select option four)
Email palm@des.qld.gov.au
Visit https://www.qld.gov.au/environment/plants-animals/plants/protected-plants

5.5 Protected plants flora survey trigger map

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

Updates to the data informing the flora survey trigger map

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

Species information

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

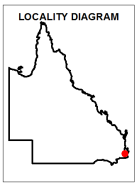


Protected Plants Flora Survey Trigger Map

Legend

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

LOCALITY DIAGRAM



N

0 10 20 30 40 50 m

This product is projected into:
GDA 1994 MGA Zone 56

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

Land parcel boundaries are provided as locational aid only.

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

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

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

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

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

6.1 Koala mapping

6.1.1 Koala districts

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

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

6.1.2 Koala habitat areas

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

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

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

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

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

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

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

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

6.1.3 Koala priority areas

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

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

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

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

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

6.1.4 Identified koala broad-hectare areas

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

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

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

6.2 Koala habitat planning controls

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

More information on these planning controls can be found here:
https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy.

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

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

Interfering with koala habitat means:

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

However, these planning controls do not apply if the development is exempted development as defined in Schedule 24 of the Planning Regulation 2017. More information on exempted development can be found here:
https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping/legislation-policy.

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

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

- development in identified koala broad-hectare areas.

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

6.3 Koala Conservation Plan clearing requirements

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

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

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

6.4 Contact information for DES

For further information on the koala protection framework:
Phone 13 QGOV (13 74 68)
Email koala.assessment@des.qld.gov.au
Visit https://environment.des.qld.gov.au/wildlife/animals/living-with/koalas/mapping

7. Koala protection framework details for Lot: 14 Plan: RP135029

7.1 Koala districts

Koala District A

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



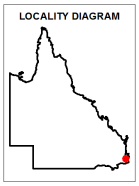
Koala priority area, koala habitat area and identified koala broad-hectare area map

Legend

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

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

LOCALITY DIAGRAM



N

0 20 40 60 80 100 m

Disclaimer:
While every care is taken to ensure the accuracy of this product, the Department of Environment and Science acting on behalf of the State of Queensland makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the data being inaccurate or incomplete in any way and for any reason. Due to varying sources of data, spatial locations may not coincide when overlaid.

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

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

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This product is projected into GDA 1994 MGA Zone 56

7.3 Koala habitat regional ecosystems for core koala habitat areas

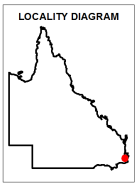


Koala habitat regional ecosystems for core koala habitat areas

Legend

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

LOCALITY DIAGRAM



N

0 20 40 60 80 100 m

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

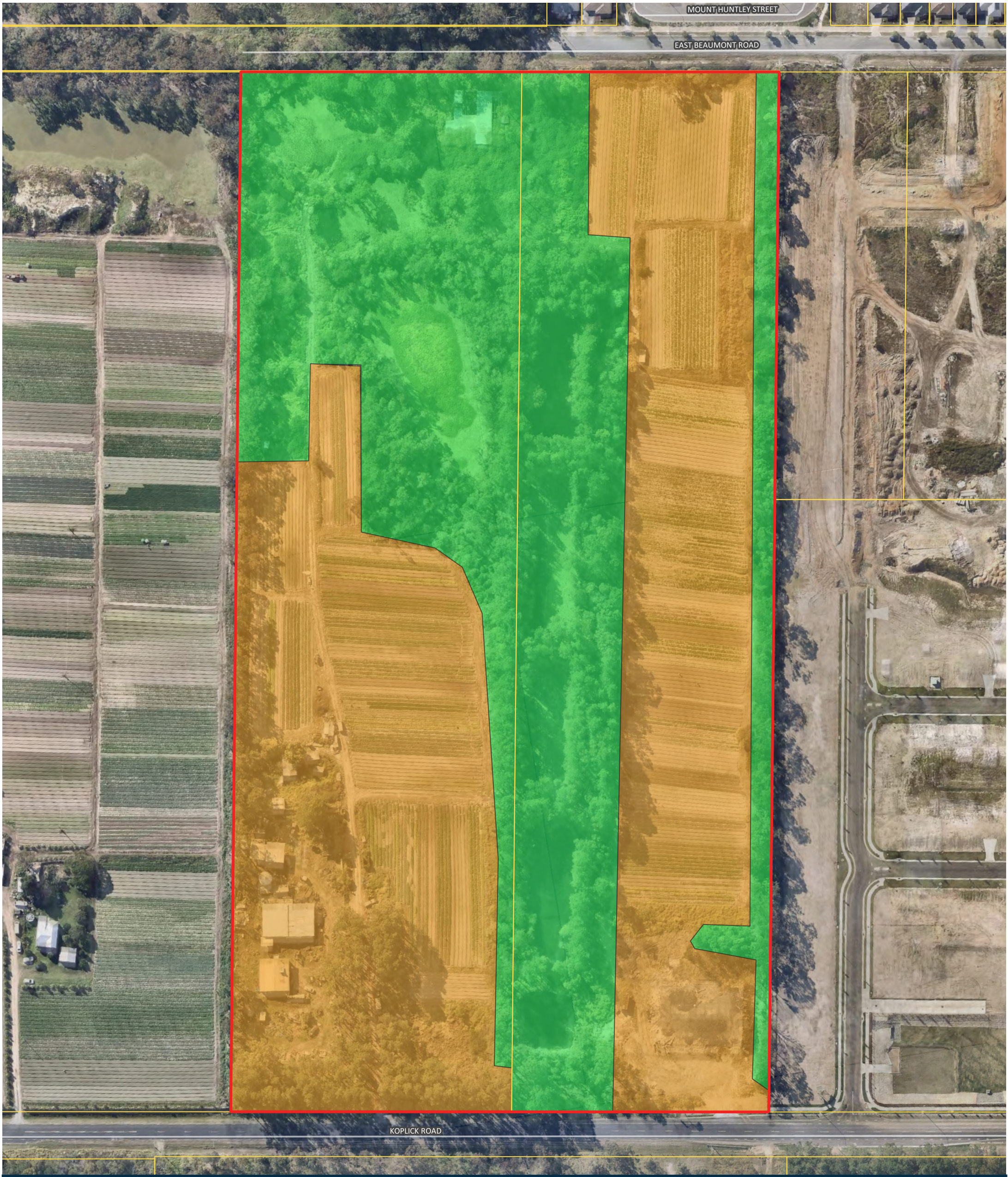
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This product is projected into GDA 1994 MGA Zone 56

8. Other relevant legislation contacts list

Activity	Legislation	Agency	Contact details
• Interference with overland flow • Earthworks, significant disturbance	*Water Act 2000* *Soil Conservation Act 1986*	Department of Regional Development, Manufacturing and Water (Queensland Government) Department of Resources (Queensland Government)	Ph: 13 QGOV (13 74 68) www.rdmw.qld.gov.au www.resources.qld.gov.au
• Indigenous Cultural Heritage	*Aboriginal Cultural Heritage Act 2003* *Torres Strait Islander Cultural Heritage Act 2003*	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships	Ph: 13 QGOV (13 74 68) www.datsip.qld.gov.au
• Mining and environmentally relevant activities • Infrastructure development (coastal) • Heritage issues	*Environmental Protection Act 1994* *Coastal Protection and Management Act 1995* *Queensland Heritage Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) www.des.qld.gov.au
• Protected plants and protected areas	*Nature Conservation Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 1300 130 372 (option 4) palm@des.qld.gov.au www.des.qld.gov.au
• Koala mapping and regulations	*Nature Conservation Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) Koala.assessment@des.qld.gov.au
• Interference with fish passage in a watercourse, mangroves • Forestry activities on State land tenures	*Fisheries Act 1994* *Forestry Act 1959*	Department of Agriculture and Fisheries (Queensland Government)	Ph: 13 QGOV (13 74 68) www.daf.qld.gov.au
• Matters of National Environmental Significance including listed threatened species and ecological communities	*Environment Protection and Biodiversity Conservation Act 1999*	Department of Agriculture, Water and the Environment (Australian Government)	Ph: 1800 803 772 www.environment.gov.au
• Development and planning processes	*Planning Act 2016* *State Development and Public Works Organisation Act 1971*	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) www.dsdmip.qld.gov.au
• Local government requirements	*Local Government Act 2009* *Planning Act 2016*	Department of State Development, Infrastructure, Local Government and Planning (Queensland Government)	Ph: 13 QGOV (13 74 68) Your relevant local government office
• Harvesting timber in the Wet Tropics of Qld World Heritage area	*Wet Tropics World Heritage Protection and Management Act 1993*	Wet Tropics Management Authority	Ph: (07) 4241 0500 www.wettropics.gov.au

Attachment 7



95-115 Koplick Road, Park Ridge

Legend

- Site Boundary
- Cadastre
- Roads & Tracks
- Vegetation Community 1
- Vegetation Community 2

Attachment 7 - Vegetation Communities

28 South Project Ref: 2021-124

Data Sources: QLd Globe Imagery (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2020); Baseline Roads (DNRME 2020); Waterways (DNRME 2019).

28ºS ENVIRONMENTAL

Issue Date	Dwg No.	Author
23 May 2023	2021-0124-007	LH
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

0 20 40 60 80 100 m

N

Attachment 8



95-115 Koplick Road, Park Ridge

Legend

Attachment 8 - Tree Retention Plan

28 South Project Ref: 2021-124

Data Sources: QLd Globe Imagery (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2020); Baseline Roads (DNRME 2020); Waterways (DNRME 2019).

28°S ENVIRONMENTAL

- Site Boundary
- Cadastre
- Roads & Tracks

Tree Protection Zones

- Tree to be retained
- Tree to be retained subject to Arborist Assessment
- Tree to be removed
- Tree located offsite to be retained

Issue Date	Dwg No.	Author
23 May 2023	2021-124-008	LH
Approved	**Revision Note**	
MT		

(A3) GDA 2020-56

0 20 40 60 80 m

N

Tree ID	Genus	DBH (mm)	Multi stem	Tree Height (m)	Crown Width	Tree Health	Health Comment	Tree Structure	Structure Comment	Habitat Features	Status	Comments	TPZ (m)
1	Corymbia intermedia	400	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
2	Corymbia intermedia	200	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
3	Corymbia intermedia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
4	Corymbia intermedia	330	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.96
5	Corymbia intermedia	350	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
6	Corymbia intermedia	440	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.28
7	Corymbia intermedia	370	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.44
8	Eucalyptus seeana	430	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.16
9	Melaleuca quinquenervia	520	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		6.24
10	Eucalyptus seeana	330	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.96
11	Eucalyptus seeana	380	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
12	Eucalyptus seeana	350	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
13	Corymbia intermedia	240	No	3	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
14	Eucalyptus seeana	440	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.28
15	Corymbia intermedia	190	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
16	Melaleuca quinquenervia	310	3 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	180x3	3.72
17	Eucalyptus seeana	370	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.44
18	Melaleuca quinquenervia	250	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
19	Melaleuca quinquenervia	310	2 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	220x2	3.72
20	Eucalyptus seeana	390	No	24	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
21	Melaleuca quinquenervia	400	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
22	Corymbia intermedia	390	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
23	Corymbia intermedia	290	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
24	Eucalyptus seeana	400	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
25	Corymbia intermedia	170	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
26	Melaleuca quinquenervia	300	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
27	Melaleuca quinquenervia	360	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.32
28	Eucalyptus seeana	550	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		6.6
29	Corymbia intermedia	210	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
30	Melaleuca quinquenervia	170	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
31	Melaleuca quinquenervia	220	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
32	Melaleuca quinquenervia	610	3 stems	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove	310, 280, 450	7.32
33	Corymbia intermedia	350	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
34	Lophostemon suaveolens	200	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
35	Corymbia intermedia	250	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
36	Corymbia intermedia	200	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
37	Eucalyptus seeana	620	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		7.44
38	Melaleuca quinquenervia	200	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
39	Eucalyptus seeana	580	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		6.96
40	Melaleuca quinquenervia	130	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
41	Melaleuca quinquenervia	280	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
42	Eucalyptus seeana	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2

43	Eucalyptus seeana	350	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
44	Corymbia intermedia	410	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.92
45	Eucalyptus seeana	200	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
46	Eucalyptus seeana	390	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
47	Eucalyptus seeana	290	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
48	Eucalyptus seeana	350	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
49	Eucalyptus seeana	200	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
50	Eucalyptus seeana	230	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
51	Eucalyptus seeana	340	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
52	Melaleuca quinquenervia	150	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
53	Melaleuca quinquenervia	150	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
54	Melaleuca quinquenervia	180	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
55	Eucalyptus seeana	240	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
56	Eucalyptus seeana	460	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.52
57	Corymbia intermedia	270	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	190x2	3.24
58	Lophostemon suaveolens	150	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
59	Eucalyptus seeana	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
60	Eucalyptus seeana	210	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
61	Eucalyptus seeana	340	No	24	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
62	Eucalyptus seeana	190	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
63	Eucalyptus seeana	410	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.92
64	Eucalyptus seeana	300	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
65	Eucalyptus seeana	170	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
66	Melaleuca quinquenervia	170	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
67	Melaleuca quinquenervia	220	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
68	Melaleuca quinquenervia	250	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
69	Melaleuca quinquenervia	310	2 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	220x2	3.72
70	Eucalyptus seeana	480	2 stems	24	5	Good	Typical	Good	Typical	No visible habitat features	Remove	380, 290	5.76
71	Melaleuca quinquenervia	260	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
72	Melaleuca quinquenervia	180	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
73	Melaleuca quinquenervia	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
74	Melaleuca quinquenervia	180	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
75	Melaleuca quinquenervia	250	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
76	Eucalyptus seeana	470	3 stems	24	5	Good	Typical	Good	Typical	No visible habitat features	Remove	310, 300, 180	5.64
77	Melaleuca quinquenervia	210	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
78	Melaleuca quinquenervia	290	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
79	Eucalyptus seeana	250	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
80	Melaleuca quinquenervia	220	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
81	Eucalyptus seeana	270	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.24
82	Eucalyptus seeana	320	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
83	Melaleuca quinquenervia	150	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
84	Eucalyptus seeana	370	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.44
85	Eucalyptus tereticornis	230	2 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	160x2	2.76

86	Eucalyptus tereticornis	320	2 stems	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove	290, 130	3.84
87	Eucalyptus seeana	250	No	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
88	Eucalyptus seeana	210	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
89	Lophostemon suaveolens	310	3 stems	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove	190, 180, 160	3.72
90	Corymbia intermedia	260	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
91	Eucalyptus seeana	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
92	Melaleuca quinquenervia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
93	Corymbia intermedia	200	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
94	Corymbia intermedia	150	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
95	Corymbia intermedia	100	No	5	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
96	Lophostemon suaveolens	100	No	5	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
97	Eucalyptus tereticornis	130	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
98	Lophostemon suaveolens	90	No	5	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
99	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
100	Eucalyptus seeana	470	No	26	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.64
101	Lophostemon suaveolens	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
102	Lophostemon suaveolens	180	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
103	Lophostemon suaveolens	210	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
104	Lophostemon suaveolens	130	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
105	Lophostemon suaveolens	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
106	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
107	Corymbia intermedia	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
108	Corymbia intermedia	100	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
109	Corymbia intermedia	190	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
110	Corymbia intermedia	480	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.76
111	Lophostemon suaveolens	120	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
112	Lophostemon suaveolens	270	2 stems	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200, 180	3.24
113	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
114	Eucalyptus racemosa	430	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.16
115	Eucalyptus racemosa	410	2 stems	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove	370, 180	4.92
116	Eucalyptus racemosa	310	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.72
117	Eucalyptus racemosa	260	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
118	Eucalyptus racemosa	470	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.64
119	Corymbia intermedia	190	No	12	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.28
120	Eucalyptus racemosa	590	2 stems	25	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove	430, 400	7.08
121	Eucalyptus siderophloia	230	No	17	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.76
122	Corymbia intermedia	250	No	17	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3
123	Corymbia intermedia	220	No	14	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.64
124	Eucalyptus racemosa	260	2 stems	14	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove	170, 200	3.12
125	Eucalyptus racemosa	290	No	18	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3.48
126	Eucalyptus racemosa	190	No	14	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.28
127	Eucalyptus racemosa	580	No	25	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		6.96
128	Eucalyptus siderophloia	140	No	10	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2

129	Eucalyptus racemosa	430	No	22	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		5.16
130	Corymbia intermedia	100	No	4	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
131	Corymbia intermedia	140	No	14	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
132	Corymbia intermedia	120	No	10	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
133	Corymbia intermedia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
134	Eucalyptus racemosa	340	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
135	Eucalyptus siderophloia	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
136	Eucalyptus siderophloia	300	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
137	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
138	Eucalyptus racemosa	150	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
139	Eucalyptus racemosa	170	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
140	Corymbia intermedia	250	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
141	Corymbia intermedia	250	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
142	Corymbia intermedia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
143	Eucalyptus racemosa	570	2 stems	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove	400x2	6.84
144	Eucalyptus racemosa	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
145	Eucalyptus racemosa	190	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
146	Eucalyptus racemosa	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
147	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
148	Eucalyptus siderophloia	360	No	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.32
149	Corymbia intermedia	320	No	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
150	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
151	Corymbia intermedia	110	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
152	Eucalyptus racemosa	370	2 stems	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove	320, 190	4.44
153	Lophostemon confertus	90	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
154	Eucalyptus racemosa	230	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
155	Eucalyptus racemosa	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
156	Eucalyptus siderophloia	130	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
157	Corymbia intermedia	320	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
158	Eucalyptus siderophloia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
159	Eucalyptus siderophloia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
160	Eucalyptus siderophloia	210	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
161	Eucalyptus racemosa	340	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
162	Eucalyptus sp	320	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
163	Eucalyptus siderophloia	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
164	Lophostemon suaveolens	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
165	Lophostemon suaveolens	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
166	Eucalyptus siderophloia	230	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
167	Lophostemon suaveolens	120	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
168	Corymbia intermedia	300	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
169	Eucalyptus sp	280	No	21	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3.36
170	Corymbia intermedia	220	No	18	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.64
171	Lophostemon suaveolens	100	No	7	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2

172	Eucalyptus siderophloia	120	No	9	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
173	Eucalyptus siderophloia	250	No	18	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3
174	Corymbia intermedia	100	No	10	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
175	Eucalyptus siderophloia	240	No	19	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.88
176	Corymbia intermedia	100	No	7	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
177	Lophostemon suaveolens	100	No	7	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
178	Corymbia intermedia	260	No	20	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3.12
179	Eucalyptus siderophloia	140	No	8	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
180	Lophostemon suaveolens	130	No	10	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
181	Lophostemon suaveolens	170	No	12	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.04
182	Eucalyptus siderophloia	310	No	20	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		3.72
183	Eucalyptus siderophloia	120	No	8	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
184	Melaleuca quinquenervia	100	2 stems	8	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove	100x2	2
185	Eucalyptus seeana	150	No	14	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
186	Eucalyptus siderophloia	120	No	13	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
187	Melaleuca quinquenervia	100	No	13	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
188	Lophostemon suaveolens	80	No	6	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
189	Lophostemon suaveolens	100	No	8	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
190	Lophostemon suaveolens	100	No	9	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
191	Eucalyptus siderophloia	340	No	25	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		4.08
192	Eucalyptus siderophloia	100	No	10	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
193	Eucalyptus seeana	150	No	12	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
194	Melaleuca quinquenervia	170	4 stems	12	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove	120x2	2.04
195	Lophostemon suaveolens	220	4 stems	13	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2.64
196	Eucalyptus siderophloia	130	4 stems	8	5	Good	Crown Decline	Good	Typical	No visible habitat features	Remove		2
197	Lophostemon suaveolens	160	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
198	Lophostemon suaveolens	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
199	Corymbia intermedia	180	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
200	Corymbia intermedia	150	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
201	Eucalyptus siderophloia	230	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
202	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
203	Lophostemon suaveolens	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
204	Corymbia intermedia	220	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
205	Eucalyptus siderophloia	120	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
206	Eucalyptus siderophloia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
207	Eucalyptus siderophloia	250	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
208	Eucalyptus siderophloia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
209	Lophostemon suaveolens	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
210	Eucalyptus racemosa	490	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.88
211	Eucalyptus siderophloia	170	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
212	Eucalyptus sp	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	possible crebra	2
213	Eucalyptus siderophloia	130	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
214	Eucalyptus seeana	150	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

215	Corymbia intermedia	250	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
216	Lophostemon suaveolens	220	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
217	Lophostemon suaveolens	150	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
218	Eucalyptus siderophloia	140	No	11	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
219	Eucalyptus siderophloia	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
220	Eucalyptus seeana	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
221	Eucalyptus seeana	170	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
222	Corymbia intermedia	340	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
223	Lophostemon suaveolens	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
224	Lophostemon suaveolens	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
225	Eucalyptus siderophloia	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
226	Eucalyptus siderophloia	150	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
227	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
228	Eucalyptus seeana	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
229	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
230	Eucalyptus siderophloia	210	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
231	Eucalyptus seeana	210	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
232	Eucalyptus siderophloia	100	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
233	Eucalyptus siderophloia	450	No	26	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.4
234	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
235	Corymbia intermedia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
236	Corymbia intermedia	180	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
237	Eucalyptus seeana	290	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
238	Corymbia intermedia	340	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
239	Corymbia intermedia	450	5 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200x5	5.4
240	Acacia disparrima	510	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		6.12
241	Corymbia intermedia	190	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
242	Corymbia intermedia	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
243	Angophora leiocarpa	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
244	Eucalyptus siderophloia	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
245	Eucalyptus siderophloia	390	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
246	Corymbia intermedia	200	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
247	Eucalyptus siderophloia	380	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
248	Eucalyptus siderophloia	110	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
249	Eucalyptus siderophloia	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
250	Angophora leiocarpa	350	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		4.2
251	Eucalyptus siderophloia	300	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
252	Eucalyptus siderophloia	380	2 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	290, 250	4.56
253	Eucalyptus siderophloia	200	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
254	Eucalyptus siderophloia	390	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
255	Eucalyptus siderophloia	400	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
256	Eucalyptus siderophloia	110	No	11	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
257	Eucalyptus siderophloia	420	2 stems	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove	360 210	5.04

258	Eucalyptus siderophloia	180	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
259	Eucalyptus siderophloia	180	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
260	Angophora leiocarpa	420	No	26	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.04
261	Angophora leiocarpa	250	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
262	Eucalyptus racemosa	460	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.52
263	Eucalyptus racemosa	400	No	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
264	Eucalyptus racemosa	830	No	28	5	Good	Typical	Good	Typical	No visible habitat features	Remove		9.96
265	Eucalyptus seeana	230	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		2.76
266	Eucalyptus seeana	240	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Retain		2.88
267	Pinus elliotii	700	No	28	5	Good	Typical	Good	Typical	No visible habitat features	Remove		8.4
268	Corymbia intermedia	400	No	24	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		4.8
269	Pinus elliotii	750	No	28	5	Good	Typical	Good	Typical	No visible habitat features	Remove		9
270	Corymbia intermedia	370	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		4.44
271	Pinus elliotii	700	No	28	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		8.4
272	Melaleuca quinquenervia	280	2 stems	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200x2	3.36
273	Lophostemon suaveolens	240	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		2.88
274	Lophostemon suaveolens	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		2.76
275	Melaleuca quinquenervia	210	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
276	Melaleuca quinquenervia	210	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
277	Melaleuca quinquenervia	570	6+ stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200x6	6.84
278	Eucalyptus seeana	280	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
279	Eucalyptus robusta	600	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		7.2
280	Eucalyptus seeana	230	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
281	Eucalyptus seeana	250	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
282	Angophora leiocarpa	130	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
283	Eucalyptus seeana	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
284	Eucalyptus seeana	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
285	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
286	Eucalyptus seeana	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
287	Eucalyptus seeana	260	4 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130x4	3.12
288	Eucalyptus seeana	230	3 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130x3	2.76
289	Eucalyptus seeana	270	4 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140, 150, 130, 120	3.24
290	Eucalyptus seeana	180	2 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130x2	2.16
291	Corymbia intermedia	130	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
292	Eucalyptus seeana	250	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
293	Eucalyptus seeana	220	3 stems	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130, 140, 100	2.64
294	Eucalyptus seeana	180	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
295	Melaleuca quinquenervia	270	3 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130, 210, 120	3.24
296	Corymbia intermedia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
297	Corymbia intermedia	240	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
298	Corymbia intermedia	230	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
299	Angophora leiocarpa	100	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
300	Corymbia intermedia	520	3 stems	23	5	Good	Typical	Good	Typical	No visible habitat features	Remove	350, 260, 280	6.24

301	Corymbia intermedia	290	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
302	Corymbia intermedia	230	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
303	Corymbia intermedia	130	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
304	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
305	Eucalyptus robusta	580	3 stems	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove	350, 360, 300	6.96
306	Corymbia intermedia	380	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
307	Lophostemon suaveolens	180	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
308	Lophostemon suaveolens	210	3 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	120x3	2.52
309	Corymbia intermedia	240	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
310	Corymbia intermedia	230	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
311	Lophostemon suaveolens	270	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.24
312	Lophostemon suaveolens	220	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
313	Corymbia intermedia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
314	Corymbia intermedia	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
315	Eucalyptus seeana	320	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
316	Eucalyptus seeana	300	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
317	Eucalyptus seeana	280	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
318	Corymbia intermedia	280	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
319	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
320	Lophostemon suaveolens	80	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
321	Lophostemon suaveolens	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
322	Lophostemon suaveolens	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
323	Lophostemon suaveolens	90	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
324	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
325	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
326	Corymbia intermedia	210	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
327	Corymbia intermedia	230	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
328	Eucalyptus seeana	340	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
329	Eucalyptus seeana	320	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
330	Corymbia intermedia	190	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
331	Corymbia intermedia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
332	Eucalyptus seeana	200	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
333	Lophostemon suaveolens	100	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
334	Corymbia intermedia	170	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
335	Corymbia intermedia	240	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
336	Corymbia intermedia	230	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
337	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
338	Corymbia intermedia	190	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
339	Melaleuca quinquenervia	460	4 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	290x2, 150x2	5.52
340	Lophostemon suaveolens	140	4 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
341	Corymbia intermedia	180	4 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
342	Angophora leiocarpa	100	4 stems	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
343	Lophostemon suaveolens	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

344	Melaleuca quinquenervia	150	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
345	Eucalyptus seeana	100	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
346	Melaleuca quinquenervia	260	2 stems	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200, 170	3.12
347	Melaleuca quinquenervia	280	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
348	Lophostemon suaveolens	120	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
349	Melaleuca quinquenervia	260	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
350	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
351	Corymbia intermedia	390	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
352	Lophostemon suaveolens	180	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
353	Lophostemon suaveolens	130	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
354	Corymbia intermedia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
355	Corymbia intermedia	240	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
356	Corymbia intermedia	240	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
357	Eucalyptus seeana	380	2 stems	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove	300, 240	4.56
358	Corymbia intermedia	160	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
359	Corymbia intermedia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
360	Corymbia intermedia	300	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
361	Corymbia intermedia	160	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
362	Corymbia intermedia	260	4 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130x4	3.12
363	Corymbia intermedia	0	4 stems	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
364	Corymbia intermedia	300	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
365	Eucalyptus seeana	240	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
366	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
367	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
368	Corymbia intermedia	270	2 stems	16	5	Good	Typical	Good	Typical	Termitaria	Remove	240, 130	3.24
369	Corymbia intermedia	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
370	Melaleuca quinquenervia	380	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
371	Eucalyptus robusta	250	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
372	Eucalyptus seeana	250	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
373	Eucalyptus seeana	360	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.32
374	Eucalyptus seeana	560	No	23	5	Good	Typical	Good	Typical	Potential for hollows (swollen unions)	Remove		6.72
375	Eucalyptus seeana	140	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100x2	2
376	Eucalyptus seeana	210	3 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140, 120, 100	2.52
377	Eucalyptus seeana	200	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
378	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
379	Eucalyptus seeana	240	3 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140x3	2.88
380	Eucalyptus seeana	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
381	Eucalyptus seeana	170	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
382	Eucalyptus tereticornis	270	2 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	200, 180	3.24
383	Angophora leiocarpa	130	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
384	Eucalyptus seeana	450	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.4
385	Angophora leiocarpa	380	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
386	Angophora leiocarpa	280	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
387	Angophora leiocarpa	240	No	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88

388	Angophora leiocarpa	300	No	21	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
389	Eucalyptus seeana	280	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
390	Angophora leiocarpa	330	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.96
391	Melaleuca quinquenervia	480	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		5.76
392	Melaleuca quinquenervia	280	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		3.36
393	Lophostemon suaveolens	200	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
394	Angophora leiocarpa	220	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
395	Angophora leiocarpa	200	2 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130, 150	2.4
396	Angophora leiocarpa	270	4 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100, 120, 100, 130, 150	3.24
397	Eucalyptus tereticornis	330	3 stems	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove	190, 200, 180	3.96
398	Eucalyptus tereticornis	230	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
399	Melaleuca quinquenervia	250	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
400	Melaleuca quinquenervia	160	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
401	Melaleuca quinquenervia	170	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
402	Melaleuca quinquenervia	150	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
403	Melaleuca quinquenervia	320	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
404	Melaleuca quinquenervia	270	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.24
405	Lophostemon suaveolens	210	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.52
406	Melaleuca quinquenervia	230	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
407	Melaleuca quinquenervia	230	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
408	Melaleuca quinquenervia	340	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
409	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
410	Melaleuca quinquenervia	320	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
411	Melaleuca quinquenervia	180	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
412	Eucalyptus seeana	420	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.04
413	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
414	Melaleuca quinquenervia	280	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
415	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
416	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
417	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
418	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
419	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
420	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
421	Melaleuca quinquenervia	350	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
422	Melaleuca quinquenervia	320	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
423	Melaleuca quinquenervia	280	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
424	Melaleuca quinquenervia	250	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
425	Melaleuca quinquenervia	280	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
426	Eucalyptus robusta	450	No	24	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.4
427	Eucalyptus seeana	290	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
428	Melaleuca quinquenervia	300	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
429	Melaleuca quinquenervia	300	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
430	Melaleuca quinquenervia	100	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

431	Melaleuca quinquenervia	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
432	Melaleuca quinquenervia	300	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
433	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
434	Melaleuca quinquenervia	260	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
435	Melaleuca quinquenervia	260	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
436	Melaleuca quinquenervia	240	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
437	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
438	Melaleuca quinquenervia	90	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
439	Melaleuca quinquenervia	190	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
440	Melaleuca quinquenervia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
441	Lophostemon suaveolens	200	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
442	Melaleuca quinquenervia	170	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.04
443	Melaleuca quinquenervia	250	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
444	Melaleuca quinquenervia	250	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
445	Lophostemon suaveolens	140	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
446	Melaleuca quinquenervia	290	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
447	Lophostemon suaveolens	140	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
448	Lophostemon suaveolens	180	No	11	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
449	Melaleuca quinquenervia	160	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
450	Lophostemon suaveolens	180	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
451	Melaleuca quinquenervia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
452	Melaleuca quinquenervia	280	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
453	Melaleuca quinquenervia	300	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6
454	Melaleuca quinquenervia	190	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
455	Melaleuca quinquenervia	180	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
456	Melaleuca quinquenervia	180	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
457	Melaleuca quinquenervia	260	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
458	Melaleuca quinquenervia	200	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
459	Melaleuca quinquenervia	130	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
460	Melaleuca quinquenervia	100	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
461	Melaleuca quinquenervia	250	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
462	Lophostemon suaveolens	150	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
463	Melaleuca quinquenervia	240	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
464	Lophostemon suaveolens	100	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
465	Melaleuca quinquenervia	120	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
466	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
467	Melaleuca quinquenervia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
468	Lophostemon suaveolens	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
469	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
470	Lophostemon suaveolens	210	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	160, 300	2.52
471	Corymbia intermedia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
472	Melaleuca quinquenervia	200	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
473	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

474	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
475	Lophostemon suaveolens	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
476	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
477	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
478	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
479	Melaleuca quinquenervia	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
480	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
481	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
482	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
483	Lophostemon suaveolens	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
484	Lophostemon suaveolens	120	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
485	Melaleuca quinquenervia	290	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
486	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
487	Lophostemon suaveolens	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
488	Lophostemon suaveolens	130	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
489	Eucalyptus seeana	400	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
490	Lophostemon suaveolens	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
491	Lophostemon suaveolens	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
492	Lophostemon suaveolens	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
493	Eucalyptus seeana	190	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.28
494	Melaleuca quinquenervia	240	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
495	Eucalyptus seeana	360	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.32
496	Melaleuca quinquenervia	270	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.24
497	Angophora leiocarpa	380	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
498	Melaleuca sp	120	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove	seiberi or decora	2
499	Angophora leiocarpa	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
500	Angophora leiocarpa	390	No	26	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.68
501	Angophora leiocarpa	200	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
502	Eucalyptus seeana	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
503	Eucalyptus seeana	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
504	Angophora leiocarpa	470	No	27	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.64
505	Angophora leiocarpa	280	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.36
506	Angophora leiocarpa	410	No	28	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.92
507	Angophora leiocarpa	380	No	27	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.56
508	Angophora leiocarpa	400	No	27	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.8
509	Eucalyptus seeana	290	No	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.48
510	Melaleuca quinquenervia	260	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
511	Melaleuca quinquenervia	220	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
512	Melaleuca quinquenervia	200	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
513	Melaleuca quinquenervia	150	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
514	Melaleuca quinquenervia	180	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
515	Melaleuca quinquenervia	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
516	Melaleuca quinquenervia	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

517	Melaleuca quinquenervia	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
518	Lophostemon suaveolens	100	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
519	Lophostemon suaveolens	90	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
520	Lophostemon suaveolens	260	3 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	170, 160, 120	3.12
521	Angophora leiocarpa	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
522	Melaleuca quinquenervia	180	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
523	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
524	Melaleuca quinquenervia	250	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
525	Melaleuca quinquenervia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
526	Lophostemon suaveolens	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
527	Melaleuca quinquenervia	150	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
528	Lophostemon suaveolens	260	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.12
529	Lophostemon suaveolens	120	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
530	Lophostemon suaveolens	140	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
531	Melaleuca quinquenervia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
532	Melaleuca quinquenervia	120	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
533	Melaleuca quinquenervia	120	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
534	Melaleuca quinquenervia	120	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
535	Melaleuca quinquenervia	250	2 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove	180x2	3
536	Lophostemon suaveolens	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
537	Melaleuca quinquenervia	100	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
538	Melaleuca quinquenervia	90	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
539	Melaleuca quinquenervia	170	3 stems	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100x3	2.04
540	Melaleuca quinquenervia	200	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
541	Melaleuca quinquenervia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
542	Lophostemon suaveolens	230	4 stems	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100x3, 150	2.76
543	Angophora leiocarpa	90	4 stems	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
544	Lophostemon suaveolens	200	4 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
545	Corymbia intermedia	200	4 stems	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
546	Corymbia intermedia	100	4 stems	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
547	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
548	Melaleuca sp	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove	sieberi	2
549	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
550	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
551	Eucalyptus seeana	120	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
552	Melaleuca quinquenervia	90	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
553	Melaleuca quinquenervia	160	2 stems	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100, 130	2
554	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
555	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
556	Melaleuca quinquenervia	170	3 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100x3	2.04
557	Melaleuca quinquenervia	180	2 stems	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130x2	2.16
558	Corymbia intermedia	580	6+ stems	19	5	Good	Typical	Good	Typical	No visible habitat features	Remove	180x3, 230, 290, 200	6.96
559	Melaleuca quinquenervia	300	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.6

560	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
561	Melaleuca quinquenervia	220	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
562	Lophostemon suaveolens	230	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
563	Lophostemon suaveolens	120	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
564	Lophostemon suaveolens	120	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
565	Lophostemon suaveolens	120	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
566	Lophostemon suaveolens	120	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
567	Lophostemon suaveolens	120	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
568	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
569	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
570	Melaleuca quinquenervia	140	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
571	Melaleuca quinquenervia	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
572	Melaleuca quinquenervia	580	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		6.96
573	Melaleuca quinquenervia	220	No	17	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
574	Melaleuca quinquenervia	230	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
575	Melaleuca quinquenervia	240	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
576	Corymbia intermedia	120	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
577	Eucalyptus siderophloia	450	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.4
578	Melaleuca quinquenervia	130	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
579	Melaleuca quinquenervia	130	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
580	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
581	Melaleuca quinquenervia	120	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
582	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
583	Melaleuca quinquenervia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
584	Melaleuca quinquenervia	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
585	Melaleuca quinquenervia	100	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
586	Melaleuca quinquenervia	150	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
587	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
588	Lophostemon suaveolens	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
589	Melaleuca quinquenervia	90	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
590	Melaleuca quinquenervia	160	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
591	Melaleuca quinquenervia	240	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
592	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
593	Melaleuca quinquenervia	230	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
594	Eucalyptus seeana	320	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
595	Eucalyptus seeana	300	2 stems	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove	230, 200	3.6
596	Eucalyptus seeana	470	No	27	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.64
597	Corymbia intermedia	340	No	18	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.08
598	Melaleuca quinquenervia	190	2 stems	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove	130, 140	2.28
599	Lophostemon suaveolens	160	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
600	Melaleuca quinquenervia	150	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
601	Melaleuca quinquenervia	120	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
602	Melaleuca quinquenervia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2

603	Melaleuca quinquenervia	200	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
604	Eucalyptus siderophloia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
605	Eucalyptus robusta	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
606	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
607	Lophostemon suaveolens	100	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
608	Corymbia intermedia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
609	Eucalyptus seeana	250	No	22	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
610	Melaleuca quinquenervia	150	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
611	Eucalyptus seeana	100	No	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
612	Melaleuca quinquenervia	340	6+ stems	9	5	Good	Typical	Good	Typical	No visible habitat features	Remove	120x6	4.08
613	Melaleuca quinquenervia	220	No	15	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
614	Melaleuca quinquenervia	130	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
615	Melaleuca sp	130	No	5	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
616	Melaleuca quinquenervia	230	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
617	Lophostemon suaveolens	120	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
618	Corymbia intermedia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
619	Melaleuca quinquenervia	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
620	Melaleuca quinquenervia	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
621	Melaleuca quinquenervia	140	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
622	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
623	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
624	Eucalyptus seeana	140	2 stems	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove	100, 100	2
625	Melaleuca quinquenervia	220	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
626	Melaleuca quinquenervia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
627	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
628	Lophostemon suaveolens	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
629	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
630	Melaleuca quinquenervia	140	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
631	Lophostemon suaveolens	160	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	120, 100	2
632	Lophostemon suaveolens	190	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140, 130	2.28
633	Corymbia intermedia	170	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	120x2	2.04
634	Corymbia intermedia	190	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140, 130	2.28
635	Lophostemon suaveolens	100	No	5	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
636	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
637	Corymbia intermedia	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
638	Melaleuca quinquenervia	100	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
639	Eucalyptus seeana	230	No	16	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.76
640	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
641	Corymbia intermedia	210	3 stems	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove	120x3	2.52
642	Melaleuca quinquenervia	190	2 stems	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove	140, 130	2.28
643	Eucalyptus seeana	160	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
644	Melaleuca quinquenervia	350	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		4.2
645	Eucalyptus seeana	220	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64

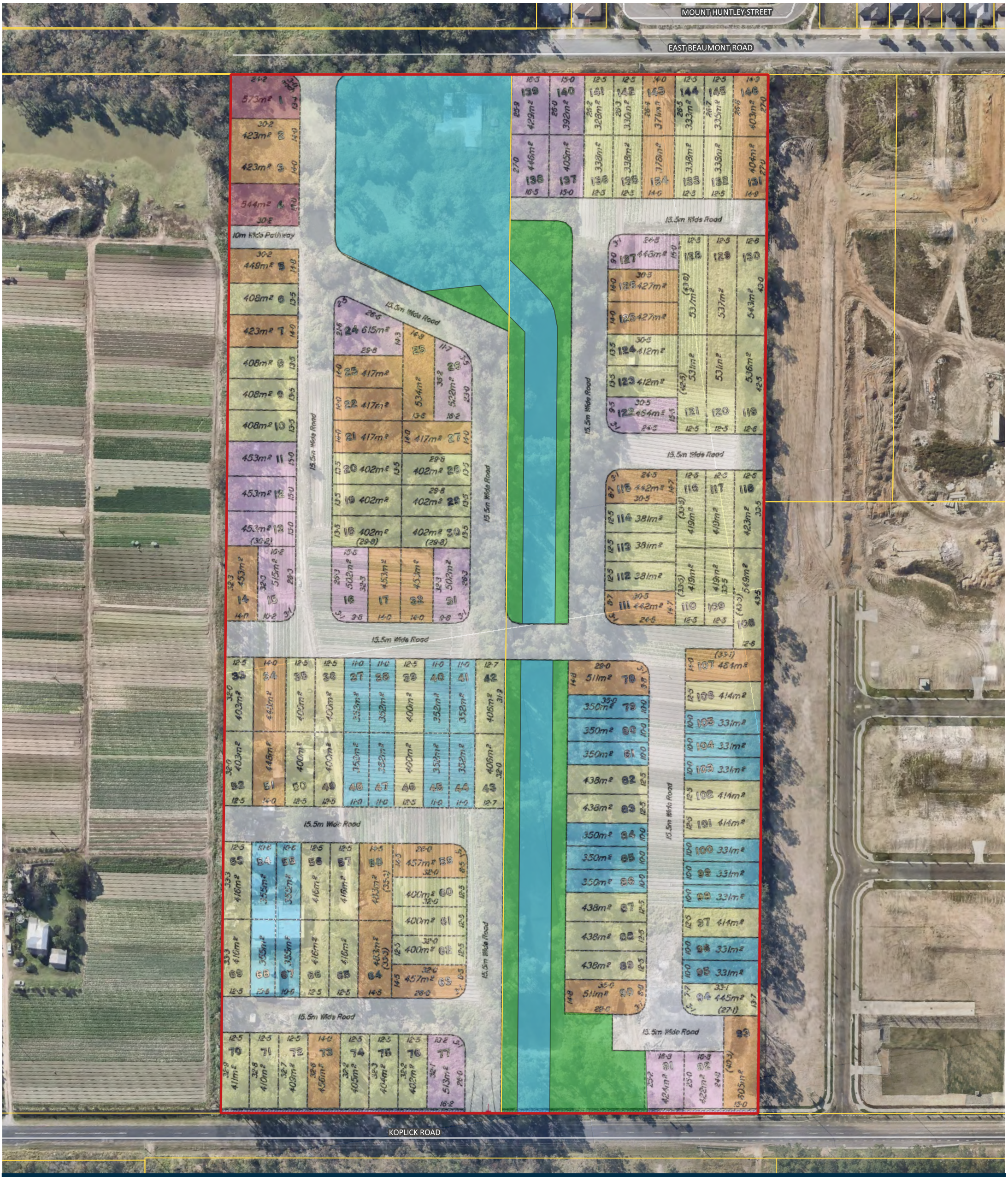
646	Eucalyptus seeana	420	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.04
647	Eucalyptus seeana	200	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.4
648	Melaleuca quinquenervia	130	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
649	Corymbia intermedia	100	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
650	Melaleuca quinquenervia	220	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.64
651	Corymbia intermedia	320	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3.84
652	Melaleuca quinquenervia	100	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
653	Eucalyptus seeana	90	No	6	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
654	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
655	Melaleuca quinquenervia	130	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
656	Melaleuca quinquenervia	250	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		3
657	Melaleuca quinquenervia	240	No	13	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.88
662	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
663	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		2
664	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
665	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
666	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
667	Eucalyptus seeana	110	No	8	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
668	Eucalyptus seeana	140	No	12	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
669	Eucalyptus seeana	180	No	14	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2.16
670	Corymbia intermedia	700	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		8.4
671	Eucalyptus seeana	130	No	10	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
672	Corymbia intermedia	100	No	7	5	Good	Typical	Good	Typical	No visible habitat features	Remove		2
673	Eucalyptus seeana	350	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Offsite		4.2
674	Corymbia intermedia	670	No	25	5	Good	Typical	Good	Typical	No visible habitat features	Remove		8.04
675	Corymbia intermedia	450	No	20	5	Good	Typical	Good	Typical	No visible habitat features	Remove		5.4

Attachment 9

Flora Species List

Scientific Name	Common Name	EPBC Act 1999	NC Act 1992
Acacia disparrima subsp. disparrima	Hickory Wattle	NL	LC
Acacia leiocalyx		NL	LC
Ageratina adenophora	Crofton Weed	NL	*
Ageratina riparia	Mistflower	NL	*
Ageratum houstonianum	Blue Billygoat Weed	NL	*
Allocasuarina littoralis	Black She-oak	NL	LC
Alphitonia excelsa	Red Ash	NL	LC
Angophora leiocarpa	Smooth-barked Apple	NL	LC
Asparagus aethiopicus 'Sprengeri'	Ground Asparagus	NL	*(RI)
Asparagus plumosus	Climbing Asparagus Fern	NL	*(RI)
Bidens pilosa	Cobbler's Pegs	NL	*
Brassica tournefortii		NL	*
Chloris gayana	Rhodes Grass	NL	*
Cinnamomum camphora	Camphor Laurel	NL	*(RI)
Corymbia intermedia	Pink Bloodwood	NL	LC
Corymbia torelliana	Cadaghi	NL	LC
Crassocephalum crepidioides	Thickhead	NL	*
Eleusine indica	Crowsfoot Grass	NL	*
Entolasia stricta	Wiry Panic	NL	LC
Erigeron bonariensis		NL	*
Eucalyptus racemosa subsp. racemosa	Scribbly Gum	NL	LC
Eucalyptus robusta	Swamp Mahogany	NL	LC
Eucalyptus siderophloia	Northern Grey Ironbark	NL	LC
Gahnia aspera	Red-fruited Saw Sedge	NL	LC
Gamochaeta americana		NL	*
Imperata cylindrica	Blady Grass	NL	LC
Jacaranda mimosifolia	Jacaranda	NL	*
Juncus usitatus	Common Rush	NL	LC
Lantana camara	Common Lantana	NL	*(RI)
Lepidosperma laterale		NL	LC
Leptospermum polygalifolium	Wild May	NL	LC
Ligustrum sinense	Small-leaved Privet	NL	*(RI)
Lobelia purpurascens	White Root	NL	LC
Lomandra longifolia	Spiny-headed Mat Rush	NL	LC
Lophostemon suaveolens	Swamp Box	NL	LC
Mangifera indica	Mango	NL	*
Megathyrsus maximus var. maximus	Guinea Grass	NL	*
Melaleuca nodosa		NL	LC
Melaleuca quinquenervia	Broad-leaf Paper-bark	NL	LC
Melinis repens	Red Natal Grass	NL	*
Morus alba		NL	*
Murraya paniculata	Mock Orange	NL	*
Ochna serrulata	Mickey Mouse Bush	NL	*
Pandorea jasminoides	Bower Vine	NL	LC
Parsonsia straminea	Monkey Rope	NL	LC
Paspalum dilatatum	Paspalum	NL	*
Persoonia stradbrokensis		NL	LC
Phytolacca octandra		NL	*
Pinus elliottii	Slash Pine	NL	*
Pistia stratiotes	Water Lettuce	NL	*(RI)
Pteridium esculentum	Common Bracken	NL	LC
Rhaphiolepis indica		NL	*
Richardia brasiliensis		NL	*
Schefflera actinophylla		NL	LC
Sida cordifolia		NL	*
Solanum mauritianum		NL	*
Solanum seaforthianum		NL	*
Stachys arvensis		NL	*
Syagrus romanzoffiana	Cocos Palm	NL	*
Tagetes minuta		NL	*
Tecoma stans	Yellow Bells	NL	*(RI)
Urochloa decumbens		NL	*

Attachment 10



95-115 Koplick Road, Park Ridge

Legend

CRMP002

28 South Project Ref: 2021-124

Data Sources: QLd Globe Imagery (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2020); Baseline Roads (DNRME 2020); Waterways (DNRME 2019).

28ºS ENVIRONMENTAL

- Site Boundary
- Property Boundaries
- Roads & Tracks

Rehabilitation Areas

- Management Unit 1 - 11,587m²
- Management Unit 2 - 6,599m²

Issue Date	Dwg No.	Author
23 May 2023	2021-021-124	LH
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

0 20 40 60 80 m

N

Attachment 11

Your Environmental Offset Estimate Report

IMPORTANT NOTICE

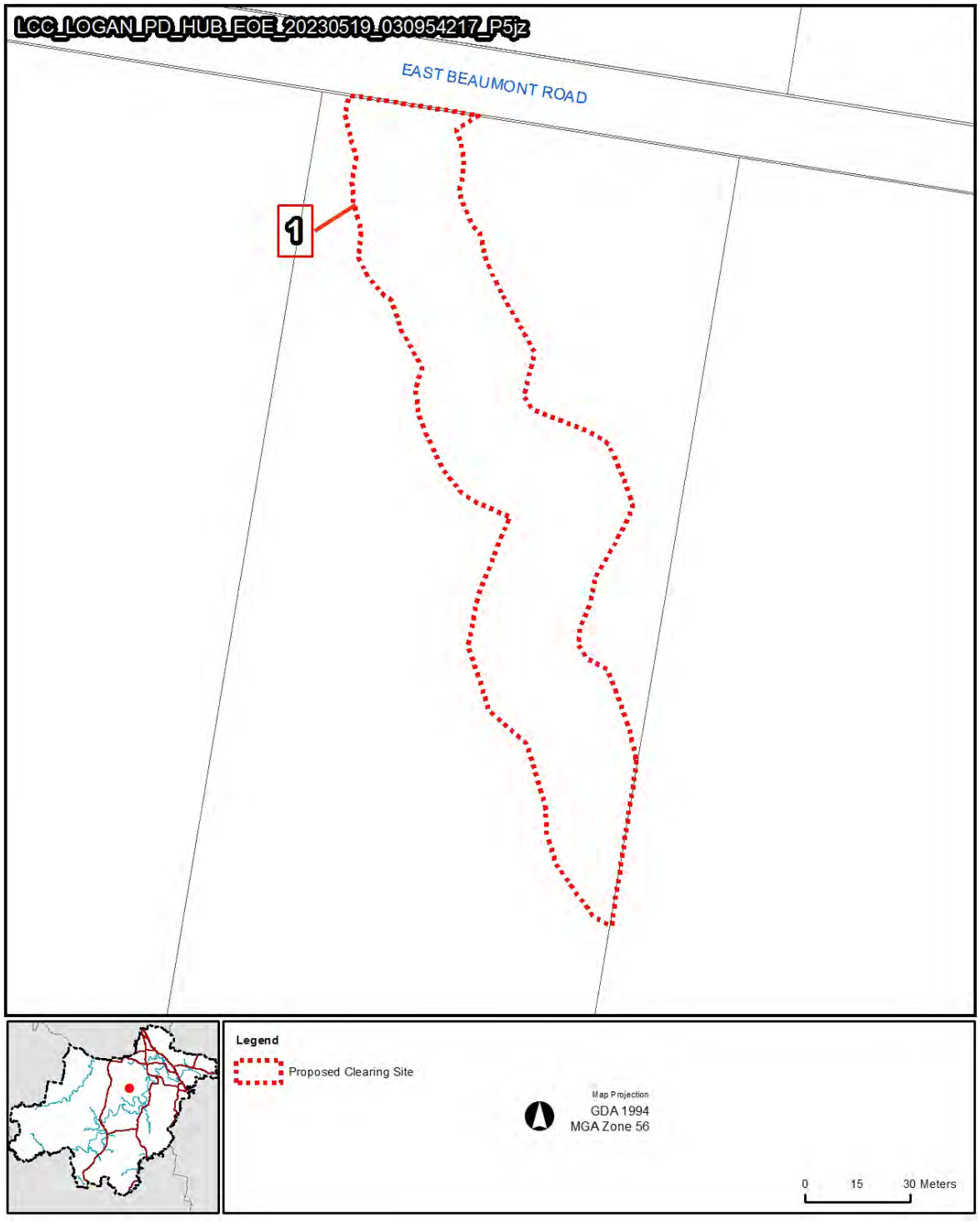
If you are proposing development that requires the clearing of vegetation, please contact Council to obtain further advice on (07) 3412 3412 or via email: Council@logan.qld.gov.au. Do not rely solely on the offset estimation report below.

City of Logan - Planning and Development

Environmental Offset Estimate Report

Proposed Clearing Site: The area(s) you submitted online using the Logan PD Hub is shown in the Proposed Clearing Site Map below.

Request Received: 19/05/2023 01:09 PM



City of Logan - Planning and Development

Environmental Offset Estimate Report

Environmental Offsets

Financial settlement offsets are calculated under the Logan Planning Scheme 2015 to offset the unavoidable clearing of protected native vegetation required as a result of development.

An environmental offset is an action such as planting trees or a payment made by the property owner to compensate for the environmental impacts of their development – usually associated with clearing protected vegetation.

The Logan Planning Scheme 2015 (in Planning Scheme Policy 3 - Environmental management) identifies three types of environmental offsets:

- restoration offsets;
- proponent driven offsets;
- financial settlement offsets.

This report only addresses the costs of a financial settlement offset. You may also like to consider a restoration offset or a proponent driven offset. To find out more please visit logan.qld.gov.au/vegetationprotection.

Financial settlement offsets paid to Council are used exclusively to purchase and rehabilitate degraded land in strategic locations to achieve benefits such as:

✓ replacing environmental values lost during development (e.g. protected vegetation and wildlife habitat areas);

✓ increasing and improving habitat;

✓ connecting isolated areas of vegetation within biodiversity corridors;

✓ supporting environmental initiatives to restore the health of our rivers and wetlands;

✓ increasing our City's greenspaces and eco-friendly recreation areas.

Important Information about this Estimate Report

This report:

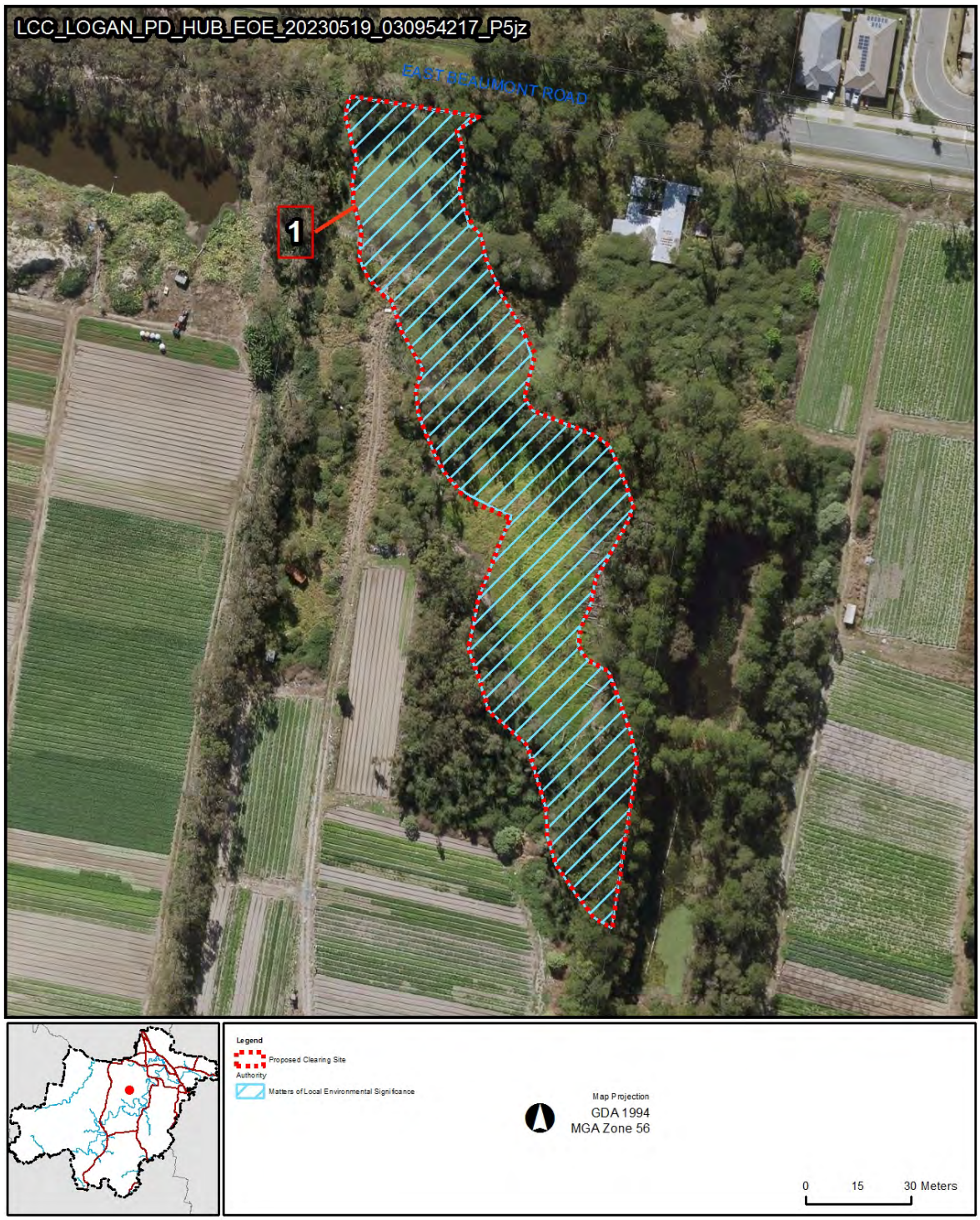
- is a tool to assist with your planning and development enquiries and does not form part of the Logan Planning Scheme 2015;
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- is current only at the date of generation, and is subject to change - a new estimate should be obtained prior to making decisions or lodging development applications;
- provides general information only, of which Council does not warrant the accuracy, completeness or currency. Council accepts no responsibility for, or in connection with, any loss or damage suffered as a result of any inaccuracies, errors or omissions, or your reliance on this information.

City of Logan - Planning and Development

Environmental Offset Estimate Report

Your Environmental Offset Map

The proposed clearing site submitted to Council is shown and numbered in red. The areas subject to environmental offsets are shown in blue diagonal lines.



Further information about the areas identified as being subject to environmental offsets is enclosed in the *Proposed Clearing Site – Ecological Significance and Values Map*, which contains detailed maps from Figure 3.1.10.1 - Ecological Significance of the Logan Planning Scheme 2015. This information is used to determine the ecological value of the areas that are a Matter of Local Environmental Significance (MLES) which are subject to an environmental offset (shown in blue on the map above).

City of Logan - Planning and Development

Environmental Offset Estimate Report

Financial Settlement Offset

The estimated financial settlement offset amount, shown in Table 1 below, is determined from the ecological values of the proposed clearing site, and is calculated according to section 3.1.9.3 of Planning Scheme Policy 3 – Environmental management.

Table 1: Estimate of financial settlement offset amount.
(Ref:LCC_LOGAN_PD_HUB_EOE_20230519_030954217_P5jz)

Area (square metres)	Ecological Index*	Estimated Offset Amount
7,506.4	19.543548	$129,423.57

*The "Ecological Index" is an average value representing the ecological significance of the area. The higher the ecological index, the higher the ecological significance of the area - therefore attracting a higher financial settlement offset amount. Council seeks to encourage development in areas with a lower ecological significance to minimise environmental impacts.

Primary and Secondary Vegetation Management Areas

The Vegetation Management Area includes Primary and Secondary Vegetation Management Areas. If the area identified as being subject to an environment offset contains single or scattered trees in the Secondary Vegetation Management Area and the density of the trees is less than one tree per $10m^2$, Council may accept an offset based on a count of native trees and native habitat trees (see Table 2 below). This may be less expensive than the estimate of the financial settlement offset amount presented in this report.

Table 2: Estimated cost of individual trees as part of a financial settlement offset (where appropriate).

Tree	Cost per tree
Native Tree	$131.49
Native Habitat Tree	$262.98

For more information about these trees and applicable fees go to:
logan.qld.gov.au/vegetationprotection

More Information

You can learn more about environmental offsets on our Vegetation Protection webpage, or by contacting Council on the details below.

Phone:	(07) 3412 3412
Email:	environment@logan.qld.gov.au
Online:	logan.qld.gov.au/vegetationprotection
In person:	Logan City Council - City Administration Centre 150 Wembley Road Logan Central QLD 4114

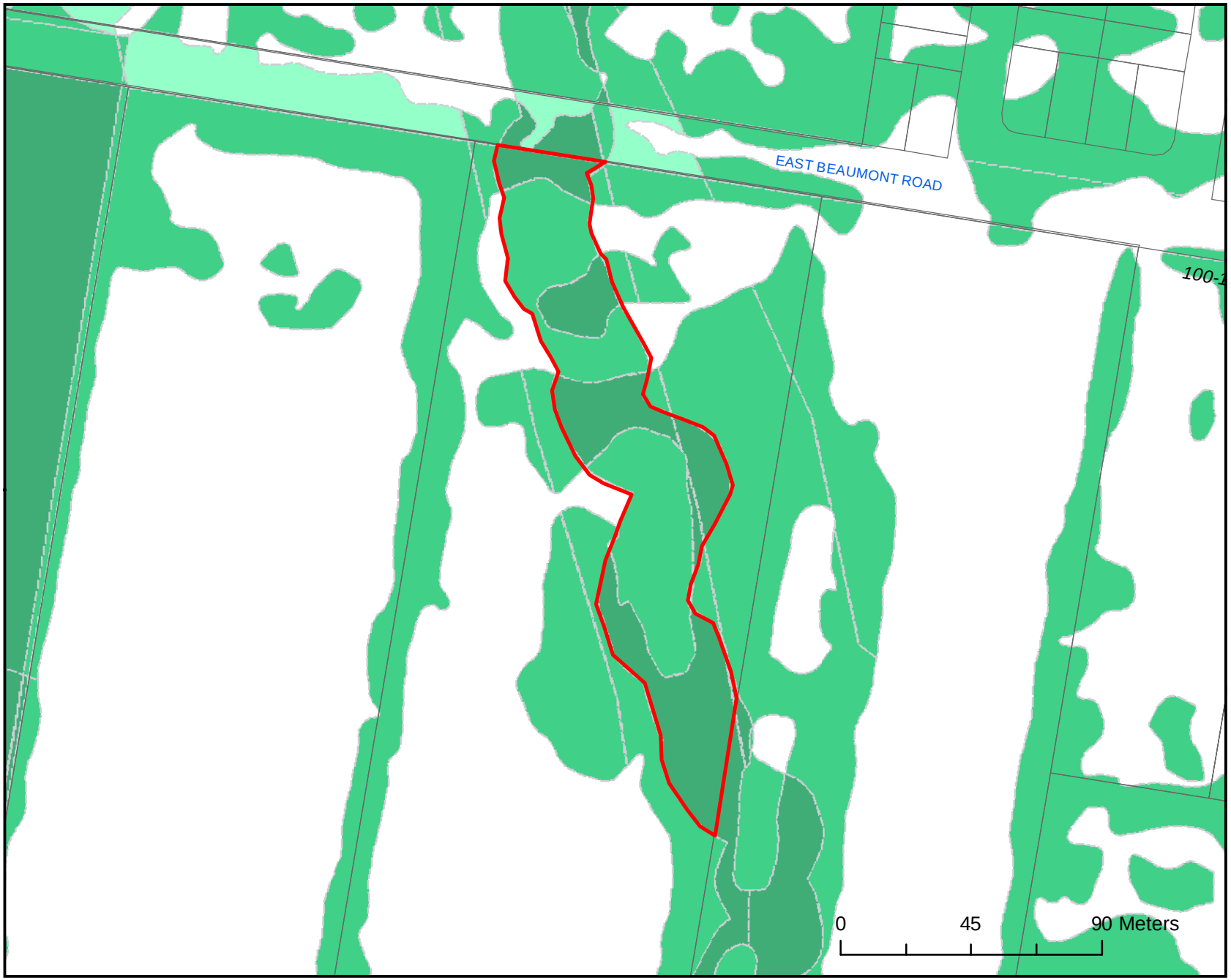
Properties affected

The proposed clearing site(s) drawn in the Logan PD Hub affects the following property(ies):

95-103 Koplick Road PARK RIDGE QLD 4125, RP135029/14, 209765
105-115 Koplick Road PARK RIDGE QLD 4125, RP135029/13, 209766
Lot 200 East Beaumont Road PARK RIDGE QLD 4125, SP181808/200, 275318

Note: "(Alt)" indicates an alternative street address for a listed property, noting the plan/lot number and property key will be the same.

City of Logan - Planning and Development
Proposed Clearing Site Ecological Significance Map



LEGEND

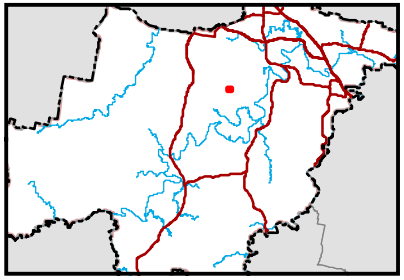
Ecological Significance

- >0 and <=12
- >12 and <=22
- >22 and <=32
- >32 and <=62

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Map Projection : Universal Transverse Mercator
Horizontal Datum : Geocentric Datum of Australia 1994
Grid : Map Grid of Australia, Zone 56

MAP SHEET REFERENCE:



Date: 5/19/2023

Your Environmental Offset Estimate Report

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City of Logan - Planning and Development

Environmental Offset Estimate Report

Proposed Clearing Site: The area(s) you submitted online using the Logan PD Hub is shown in the Proposed Clearing Site Map below.

Request Received: 19/05/2023 01:07 PM



City of Logan - Planning and Development

Environmental Offset Estimate Report

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City of Logan - Planning and Development

Environmental Offset Estimate Report

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City of Logan - Planning and Development

Environmental Offset Estimate Report

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(Ref:LCC_LOGAN_PD_HUB_EOE_20230519_030757075_GfWF)

Area (square metres)	Ecological Index*	Estimated Offset Amount
7,832.1	19.757078	$136,514.64

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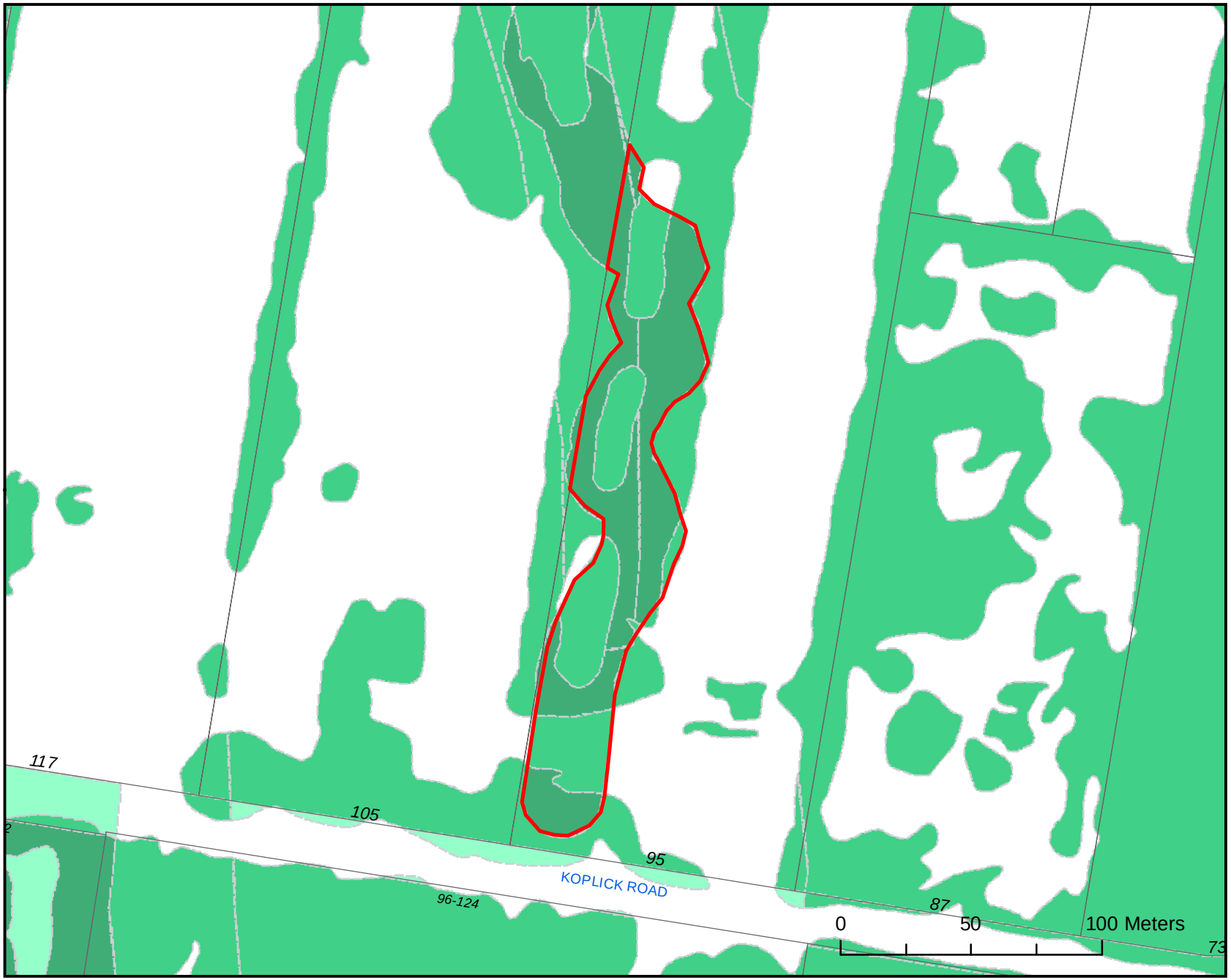
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City of Logan - Planning and Development
Proposed Clearing Site Ecological Significance Map



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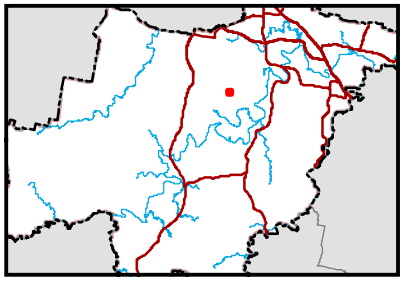
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