28ºS
ENVIRONMENTAL

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

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Greenbank Health Centre
205-219 Teviot Road, Greenbank

Ecological Assessment Report



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Report prepared on behalf of TFG Properties Tier 7 Pty Ltd
C/- Everett Property Development Management

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1 Introduction

1.1 Background

28 South Environmental Pty Ltd (**28 South**) was engaged by TFG Properties Tier 7 Pty Ltd (the **Applicant**), to advise on ecological and environmental planning matters regarding the proposed development at 205-219 Teviot Road, Greenbank. The property is more properly described as Lot 10 on RP184067 and is a total of 2.01 ha (referred to herein as the '**Site**'). The Site is located within the Logan City Council (**LCC**) Local Government Area (**LGA**) and also falls within the northern component of the Greater Flagstone Priority Development Area.

The Applicant intends to lodge a Development Application (**DA**) for a Material Change of Use (**MCU**) for a four-stage development over the Site for the purposes of establishing independent living units, health care services/commercial precinct, commercial shops and food and drink outlets (the **proposed development**). The locality and context of the Site is illustrated in **Attachments 1** and **2**. The proposed development is shown in **Attachment 3**.

The character of the areas proposed for development is shown in **Plates 1** – **12**.

1.2 Planning Context

The Site is located within the northern component of the Greater Flagstone PDA and is therefore subject to the provisions of the Greater Flagstone PDA Development Scheme (**Development Scheme**) rather than the LCC Planning Scheme. The Site is zoned within the Development Scheme as an Urban Living Zone; close to the identified "Potential Rail Station" located in the far north of the PDA. The Site falls outside of any community greenspace network mapping; biodiversity corridors or potential greenspace areas as illustrated in Map 4 of the Development Scheme (**Attachment 4**). The Site appears to contain areas mapped as supporting "Vegetation" on Map 6 – Natural Values of the Development Scheme (**Attachment 5**)[1]. No other Development Scheme constraints are mapped within the Site (see **Attachment 6**).

[1] The PDA Development Scheme map is difficult to review at the scale provided in Map 6; however, the mapped "Vegetation" appears to align with the location of the Site, at least partially.

Within the Urban Living Zone, the proposed development is considered to be permissible development under Table 2: Levels of Assessment of the Development Scheme.

In addition to the Development Scheme, the proposed development is subject to environmental planning legislation and policy at the Commonwealth and State levels.

1.3 Purpose of this Report

The purpose of this Ecological Assessment Report (**EAR**) is to provide an assessment of the proposed development against relevant ecological and environmental planning legislation, policies and instruments at the Commonwealth, State and Development Scheme levels. The EAR achieves this through:

i) desktop assessments;

ii) field studies (description of methodology and results);

iii) determination of potential impacts of the proposed development on ecological features within and adjoining the Site

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

v) assessment against the *Nature Conservation Act 1992* (**NC Act**);

vi) assessment against the Development Scheme and associated environmental guidelines including:

   a. Environmental values and sustainable resource use - PDA Guideline No. 14;

   b. Remnant vegetation and koala habitat obligations in Greater Flagstone and Yarrabilba PDAs – PDA Guideline No. 17; and

   c. Development interfaces – PDA Guideline No. 18

vii) recommendations for measures to avoid, minimise and mitigate potential impacts of the proposed development on environmental values within the Site.

This EAR is intended to form part of the overall package of material to support the DA. This EAR is not to be relied upon by any other party for commercial purposes. All parts of this EAR are to be read together, including attachments and figures. Further detail on other technical elements of the proposed DA can be found in the corresponding technical reports accompanying the Applicant's submission to Economic Development Queensland (**EDQ**).

This EAR considers historical clearing events and agricultural practices within the Site and takes into consideration potential impacts on Matters of National Environmental Significance (**MNES**) and Matters of State Environmental Significance (**MSES**) as well as temporally relevant policies, guidelines and codes.

1.4 Historical Context

The Site and the broader locality have been subject to extensive broadscale clearing and/or vegetation thinning in recent decades as illustrated in **Attachment 7**. A review of historical aerial photography from 1955 to 2019 identifies the following:

- In 1955 photography it is evident that the Site was well vegetated, with Teviot Road occurring as an unsealed road. The section of land between the Sydney-Brisbane (Interstate) railway, Teviot Road and Pub Lane appeared to be almost entirely vegetated. Properties further south and east of the Site were by this stage subject to broadscale clearing.

- In 1970 photography it is evident that Site remained well vegetated with the general locality being subject to further broadscale clearing; particularly 1 km west of the Site. Teviot Road remained unsealed.

- In 1982, photography indicates that the Site was almost wholly cleared of vegetation. The broader area surrounding the Site was subject to further clearing and rural-residential uses were more evident. Notably, south of the Site a large powerline easement was established, traversing the locality from north-west to south-east. Teviot Road was a sealed carriageway by 1982.

- In 1993 photography it is evident that the existing residential dwelling had been established within the Site. Properties surrounding the Site on all boundaries were also

developed and subject to broadscale clearing and selective thinning. Generally surrounding the Site to the north and south, residential development was further consolidating. The Greenbank Community Centre had by this time been established to the north of the Site, with a large cleared area for sports ovals.

- In 2002 photography it is evident that vegetation within the Site had somewhat consolidated from past clearing events. The immediate locality of the Site appeared to be regenerating with dense regrowth and scattered relict trees evident. Significant vegetation thinning was evident in the land west of the Site, with numerous pockets of residential development.

- In 2009 photography it is evident that the Site remains vegetated. The immediate locality had undergone further broadscale clearing and bulk earthworks, particularly to the south for the establishment of the Greenbank Shopping Centre complex and to the west for residential development (now heavily consolidated throughout the area). A second high-voltage powerline easement is shown to the north of the previously-existing easement.

- The most recent aerial imagery (2014, 2018) illustrates that the Site and broader locality remains reflective of 2009 photography with the exception of further earthworks to the west for a residential subdivision, to the south for a swimming school and to the south-east adjoining Teviot Road for the ‘Everleigh’ estate.

2 Statutory Environmental Matters for Consideration

Ecological values and ecologically important areas for the proposed development have been defined with reference to Commonwealth and State environmental legislation, as well as the provisions of the Development Scheme. A summary of relevant statutory considerations is provided below.

2.1 Environment Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act 1999* (**EPBC Act**) provides the legal framework to protect and manage nationally and internationally important flora, fauna, ecological communities and heritage places. These are defined under the EPBC Act as 'Matters of National Environmental Significance' (**MNES**). Under the EPBC Act, a referral to the Department of Agriculture, Water and Environment (**DAWE**) is required if the proposed development gives rise to a Significant Impact on any MNES. The determination of whether a Significant Impact will arise is made with reference to the MNES Significant Impact Guidelines 1.1 (DoE 2013)[2] and other EPBC Act policy statements.

A search of the Protected Matters Search Tool (**PMST**) indicates the likely or potential occurrence of MNES in the locality (**Attachment 8**). A search of the Department of Environment and Science (**DES**) Wildlife Online database provides confirmed records of MNES within the same search radius (**Attachment 9**).

2.2 Nature Conservation Act 1992

The *Nature Conservation Act 1992* (**NC Act**) establishes approval triggers and an assessment process for clearing protected plants. The Site is not located within a mapped "High Risk Trigger Area" (**Attachment 10**). Despite this, a detailed botanical survey was undertaken on 10 December 2019 to identify the presence of protected plants and/or suitable habitat within the Site.

[2] Including significant impact guidelines for individual threatened species, groups of species and threatened ecological communities (refer http://www.environment.gov.au/epbc/publications/guidelines.html).

Potential impacts to fauna species listed under the *Nature Conservation (Wildlife) Regulation 2006* (**NC Reg**) will require assessment for any residual impacts associated with the proposed development. For example, clearing of any trees containing hollows that would serve as animal breeding places will require a Permit to Tamper with an Animal Breeding Place prior to works occurring. This in turn will require the preparation of a Species Management Program to the satisfaction of the Department of Environment and Science.

2.3 Matters of State Interest

Environmental matters of State interest relevant to the Development Scheme are discussed in the following sections.

2.3.1 Greater Flagstone PDA Development Scheme

Within the Urban Living Zone, the proposed development is considered to be permissible development under Table 2: Levels of Assessment of the Development Scheme.

The proposed development will be assessed under the Development Scheme and the PDA-wide criteria. Of relevance to this EAR, these criteria include 3.3.6 – Community Greenspace Network, and 3.3.8 – Natural and Cultural Features. The proposed development is assessed against these criteria in **Section 6.3.1**.

2.3.2 Guideline 14 – Environmental Values and Sustainable Resource Use

PDA Guideline No. 14 *Environmental Values and Sustainable Resource Use* (**Guideline 14**) outlines values and strategies for protecting the environment and optimising resource use in PDAs. Guideline 14 requires development within a PDA to consider relevant Commonwealth and State Government environmental legislation and planning policies in addition to areas noted as being of environmental significance within the PDA's Development Scheme and the inherent environmental values identified within the Site through ecological assessments. An assessment of the proposed development against Guideline 14 is provided in **Section 6.3.2**.

2.3.3 Guideline 17 – Greater Flagstone and Yarrabilba –Remnant Vegetation and Koala Habitat

PDA Guideline No. 17 *Remnant vegetation and koala habitat obligations in Greater Flagstone and Yarrabilba PDAs* (**Guideline 17**) outlines the obligations for development which will result

in the clearing of non-viable remnant vegetation containing endangered regional ecosystems, and koala habitat areas.

A review of the Regulated Vegetation Management Map (**RVMM**) and Vegetation Management Supporting Map (**VMSM**) indicates that the Site is mapped as a combination of Category B vegetation (along much of the southern boundary, along the western boundary and almost entirely covering the northern half of the Site) and Category X vegetation (the balance of the Site) (**Attachment 10**). The Category B vegetation is mapped as a heterogeneous polygon of Regional Ecosystems (**RE**s) 12.9-10.12 (Endangered) and 12.9-10.2 (Least Concern). An assessment of the proposed development against the non-viable remnant vegetation requirements of Guideline 17 is provided in **Section 6.3.3**.

Koala habitat areas within Guideline 17 are defined as Koala Bushland or High and Medium Value Rehabilitation Habitat under the State Planning Policy 2/10 (**SPP**) Koala Habitat Value Mapping (Koala Habitat Mapping).

The Koala Habitat Mapping (**Attachment 11**) shows that the Site is predominantly mapped as Medium Value Rehabilitation Habitat, with the north-western quarter of the Site generally mapped as Medium Value Bushland Habitat. An assessment of the proposed development against the koala habitat area requirements of Guideline 17 is provided in **Section 6.3.3**.

2.3.4 Guideline 18 – Development Interfaces

PDA Guideline No. 18 *Development Interfaces* (**Guideline 18**) outlines the development considerations which should inform the planning and design phase of a project to ensure that potential impacts are reduced to an acceptable level through the PDA. Development should consider ecological values at the land use interface and be informed by an ecological assessment. An assessment of the proposed development against Guideline 18 is provided in **Section 6.3.4**.

2.3.5 Bushfire

The proposed development will require assessment of bushfire hazards as the Site is mapped within a Medium Potential Bushfire Intensity area and a Potential Impact Buffer on the State Planning Policy Natural Hazards Risk and Resilience mapping (**Attachment 12**).

A bushfire risk assessment is provided under separate cover. The requirements of any bushfire management measures have been incorporated into this EAR.

3 Flora Assessment

3.1 Desktop Assessment and Survey Methods

The Site is located on sedimentary deposits of early Jurassic age and is situated on relatively flat topography, falling slightly from east to west. The pre-clear RE mapping (**Attachment 13**) shows that the Site historically supported a mix of REs 1.9-10.12/12.9-10.2 (in its current mapped extent) and REs 12.9-10.2/12.9-10.12/12.9-10.7 in Category X areas at a ratio of 50/30/20 respectively. These REs are described by DES as being:

- Least Concern RE 12.9-10.2: '*Corymbia citriodora* subsp. *variegata* open forest or woodland usually with *Eucalyptus crebra*. Other species such as *Eucalyptus tereticornis, E. moluccana, E. acmenoides* and *E. siderophloia* may be present in scattered patches or in low densities. Understorey can be grassy or shrubby. Shrubby understorey of *Lophostemon confertus* (whipstick form) often present in northern parts of bioregion. Occurs on Cainozoic and Mesozoic sediments';

- Endangered RE 12.9-10.12: '*Corymbia intermedia, Angophora leiocarpa, Eucalyptus seeana +/- E. siderophloia, E. tereticornis, E. racemosa* subsp. *racemosa, C. citriodora* subsp. *variegata* woodland to open forest. *E. seeana* and *Lophostemon suaveolens* are often present as sub-canopy or understorey trees. Occasional *Melaleuca quinquenervia* on lower slopes. Does not include areas dominated by *Eucalyptus racemosa* subsp. *racemosa.* Occurs on Cainozoic and Mesozoic sediments'; and

- Of Concern RE 12.9-10.7: '*Eucalyptus crebra +/- E. tereticornis, Corymbia tessellaris, Angophora leiocarpa, E. melanophloia woodland.* Occurs on Cainozoic and Mesozoic sediments'.

The PMST data (**Attachment 8**) indicates the potential occurrence of MNES plant communities and species in this locality. The Wildlife Online data also indicates confirmed records of Endangered, Vulnerable and Near Threatened (**EVNT**) species in the locality (**Attachment 9**). Conservation-significant species identified by these database searches were targeted during Site surveys.

Baseline botanical assessment was undertaken by ecologists Rebecca Freese and Mitchell Taylor of 28 South on 10 December 2019. Weather conditions were considered adequate for the level of ecological assessment undertaken. Surveys involved: a complete traverse of the Site; the spatial mapping of any and all significant or native habitat trees within the development area; and vegetation community and habitat assessments.

Surveys also involved an assessment to determine whether the Site:

- supported vegetation was analogous with Threatened Ecological Communities (**TEC**s) identified as MNES under the EPBC Act;
- supported any plant species identified as MNES under the EPBC Act;
- was appropriately represented within the RVMM;
- supported EVNT plant species; and
- supported plant species or communities which were otherwise of conservation interest.

3.2 Survey Findings

The Site supports an existing dwelling and ancillary shed structures and animal enclosures in the eastern Site frontage. Vegetation immediately surrounding the dwelling and ancillary structures can be described as exotic landscaping with scattered mature canopy. Landscaping species included *Syagrus romanzoffiana** (cocos palm), *Archontophoenix alexandrae* (Alexandra palm), *Murraya paniculata** (mock orange), *Ficus obliqua* (small-leaved fig) and *Ficus rubiginosa* (rock fig). The scattered native canopy included high scattered semi-mature *Eucalyptus seeana* (narrow-leaved red gum) and *Corymbia citriodora* subsp. *variegata* (spotted gum).

The remainder of the Site supports a single modified vegetation community that can be described as a regrowth to semi-mature open forest. The canopy is dominated by narrow-leaved red gum with supressed *Corymbia intermedia* (pink bloodwood), *Angophora leiocarpa* (smooth-barked apple) and *Eucalyptus tereticornis* (Queensland blue gum) which increases in occurrence towards the western boundary and decreasing elevations. The sub-canopy is sparse and contains scattered *Lophostemon suaveolens* (swamp box), *Alphitonia excelsa* (red ash), *Acacia disparrima* subsp. *disparrima* (hickory wattle). The shrub and understory layers were largely absent due to recent under scrubbing events. Vegetation stockpiles evidenced significant infestations of *Lantana camara** (lantana) were previously dominating the shrub layer. Scattered patch infestations of lantana and *Asparagus africanus** (asparagus fern) where under scrubbing had not been undertaken.

A small dam was present in the central west of the Site. The dam indicated a low water level, with the drier backs supporting various exotic herbs including *Alternanthera philoxeroides** (alligator weed) and *Ageratum houstonianum** (blue billy goat). A full flora species list collected during the Site inspection is provided in **Attachment 14**. The existing condition of the Site is illustrated in **Plates 1-12**.

3.3 Threatened Flora and Vegetation Community Searches

The EPBC Act PMST (**Attachment 8**) indicates the potential occurrence of four TECs within the Site:

- Coastal Swamp Oak (*Casuarina glauca*) Forest of New South Wales and South East Queensland;
- Lowland Rainforest of Subtropical Australia;
- Poplar Box Grassy Woodland on Alluvial Plains;
- Swamp Tea-tree (*Melaleuca irbyana*) Forest of South-east Queensland; and
- White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland.

Surveys failed to record these communities or any other TECs listed under the EPBC Act. Many of these communities occur almost exclusively on specific geologies/soils or within rainforest habitat and would be highly unlikely to occur at the Site. Surveys also failed to record any species listed as MNES under the EPBC Act, or any EVNT species listed under the NC Act.

4 Fauna Habitat Assessment

4.1 Survey Methods

Database searches revealed the occurrence of several conservation-significant species in the locality (**Attachments 8** and **9**). Surveys included a detailed walk-through of the Site, assessment of all vegetation supported within and immediately adjoining the Site for habitat features important to species of conservation significance and active searches for fauna species or their evidence (such as koala and other scansorial fauna).

Habitats were qualified based on the presence of the following habitat features:

- vegetation cover and structure;
- size and range of arboreal and terrestrial hollows;
- woody debris and leaf litter;
- rocky outcrops, overhangs and crevices;
- freestanding natural and anthropogenic water bodies, ephemeral drainage or seepage areas;
- disturbances including weed incursion, clearing and/or inappropriate fire regimes; and
- surrounding habitats and connectivity or fragmentation to these.

The quality of habitat persisting within the Site was assessed based on several criteria which are outlined within **Table 1.**

Table 1: Habitat Quality Criteria

Rating	Description of Habitat
Low	Many fauna habitat elements in low quality areas have been removed or altered such as mature, hollow bearing trees, fallen timber and deep leaf litter. For terrestrial habitats remnants are often small in size, support substantial weed infestations and are poorly connected to other areas of remnant vegetation. For aquatic habitats these may be waterways that have been de-snagged and riparian vegetation removed, or constructed drains.

Rating	Description of Habitat
Moderate	Some habitat components are present but others are lacking. For terrestrial habitats an example is remnant vegetation may have a reasonably intact understorey but lack fallen timber and hollow bearing trees. Linkages with other remnant habitats in the landscape may be lacking or somewhat tenuous. For aquatic habitats these may be semi-natural streams (including artificial channels and wetlands) with varying degrees of overhanging and instream vegetation with some snags and connectivity.
High	Most habitat components are present. For terrestrial habitats, habitats with old-growth trees, fallen timber, lack of weeds, the remnant is large enough to support forest dependant species and is well connected or contiguous with other areas of native vegetation. Habitat features such as rocky outcrops, steep jumps and areas supporting caves provide significant habitat features for a great many fauna species persisting within arid areas. For aquatic habitats these are natural water bodies (or water bodies designed along natural ecological functioning principles) with a high degree of in-stream and riparian features and good connectivity.

4.2 Rural and Current Landscape Context

Since settlement, the Site and surrounding areas have been and continue to be subject to a variety of agricultural and urban activities. These impacts have resulted in most of the surrounding properties and the Site being subject to broadscale clearing or selective thinning at some point; many of which include complete under-scrubbing of properties to support grazing or lawns (including the Site). These historical clearing events and agricultural management practices, including inappropriate fire regimes, have resulted in the distinct lack of many important habitats and microhabitat features which are likely to have been present prior to these anthropogenic activities.

More recently, the broader locality has experienced the establishment of large residential subdivisions. Many of the subdivisions, particularly to the east, west and south-west of the Site have retained corridors along lower drainage features which provide connectivity for mobile and robust fauna species. Development to the east of the Site, particularly the 'Everleigh' estate, road (Teviot Rd), rail (to the west) and powerline infrastructure (to the south) has significantly fragmented ecological connectivity within the immediate locality (**Attachment 1**).

The Site itself forms part of a peri-urban fragmented landscape comprising rural-residential lifestyle allotments which support a mixture of modified vegetation communities, maintained

paddocks and landscaped gardens within large expanses of more contemporary suburban estates and commercial precincts.

4.3 Survey Findings

4.3.1 Fauna Habitat – General

The ground-truthed vegetation communities are mapped in **Attachment 15**. Vegetation and habitat surveys conducted over the Site identified that the Site supports medium to low quality habitat, primarily due to historic broadscale clearing, disturbance from rural residential activities, active grazing from pigs, horses and donkey, and fragmentation of the immediate landscape as a result of infrastructure and development. The eastern components of the Site were noted as a younger cohort of vegetation likely to have regenerated from a historical clearing event evident in historical photography from 1982. There were no significant habitat trees or mature native canopy evident within this portion of the Site and the understorey contained significant infestations of pest plant species or supported bare soils due to overgrazing.

The western component of the Site supported a more intact canopy; however, overgrazing and the presence of numerous pigs has removed all ground layer. The canopy across the Site remains relatively young in stature as demonstrated by >50% of trees having a DBH <300 mm, >85% of trees having a DBH <400 mm, with only 2 trees >600mm DBH comprised of 1 stem. The canopy demonstrated a distinct lack of habitat features such as hollow-bearing habitat trees while no hollow logs or terrestrial refuge was available due to overgrazing and lands management.

It is expected that the vegetation throughout the Site provides foraging and resources for locally common, more robust fauna species; particularly open country avifauna, flying mammal and common possum and glider species. Throughout the Site, numerous smooth-barked trees indicated scratch-marks of locally common arboreal mammals. Despite this, it is considered that the Site does not support critical habitats for species of conservation significance; however, koala is likely to move through the Site and surrounding locality.

4.3.2 Fauna Habitat – Koala

Surveys were conducted with the aim of assessing the vegetation communities present and their relevance to koala within the locality and Site. Surveys initially traversed the entire Site to provide an understanding of vegetation communities supported on the Site as well as the presence and extent of non-juvenile koala habitat trees (**NJKHTs**). Surveys involved the identification and mapping of all NJKHTs; as well as visual scanning of trees for koala presence and evidence such as scratches and scats.

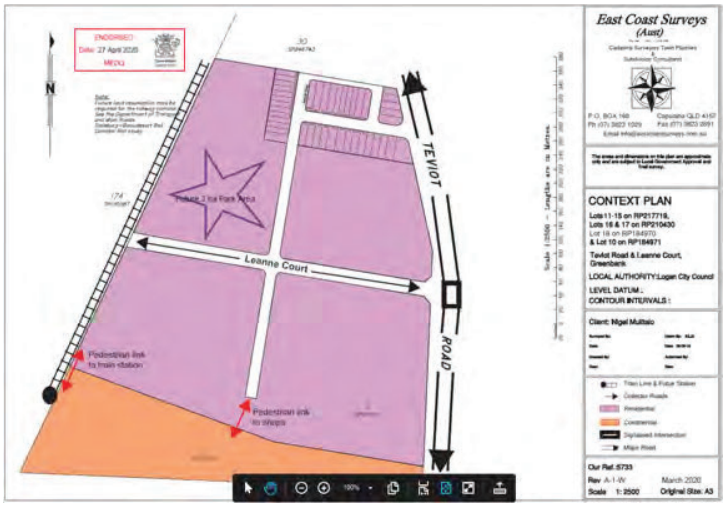
Evidence of koala activity on the Site was observed during the Site survey (scats and scratches). This indicates that the Site plays some role in the provision of food, shelter and movement for koala in the local area.

5 Impacts and Mitigation

5.1 Local Context Plans for Consideration

The immediate locality surrounding the Site is currently undergoing a transition from rural residential settings to an urban residential area. A number of current applications have been submitted over lands surrounding the Site. These applications require minor levels of structure planning in the immediate locality to demonstrate how the area will accommodate the growth envisaged for the locality and how this will be serviced. A context plan over the Site and its immediately locality has been endorsed by EDQ on the 27 April 2020. As such, it is relevant to consider these plans in context with the Site.

As a part of these context plans it is envisaged that Leanne Court will be upgraded and widened as a collector road corridor, while a north-south neighbourhood access street and sub-road network be constructed over time. The impact of the logical and sequential progression of these roads and developments surrounding the Site will ultimately see the clearing and further fragmentation of vegetation in the immediate vicinity of the Site. EDQ has adopted the East Coast Surveys Context Plan through the DA process as shown below in **Inset 1**.



Inset 1 – Endorsed Context Plan– Application over 169-187 Teviot Road, Greenbank

5.2 Design Consideration and Vegetation Impacts

The proposed development involves the establishment of a number of new buildings over four stages of development as well as associated road infrastructure, collectively occupying the majority of the Site (**Attachment 3**). Consequently, there are few opportunities for the design to entertain tree retention within most areas. **Attachment 16** shows the extent of the development footprint and impacts on mapped Endangered RE, Medium Value Koala Bushland Habitat and Medium Value Rehabilitation Habitat. **Attachment 17** indicates the extent of the development footprint and the resulting impact to the surveyed vegetation throughout the Site. No flora species of conservation significance will be removed as a result of the proposed development.

5.3 Habitat Impacts

5.3.1 General

As noted above, the proposed development footprint and use type proposes requires significant floor space. Although the Site supports a moderately intact canopy, it is comprised of regrowth to semi-mature trees without any shrub or understorey layer due to the on-going grazing and land management practices on Site. No significant or important habitat features outside of canopy trees occur within the Site, as such, impacts are generally limited to a young cohort of canopy trees and movement opportunity for local fauna.

Due to the size of the Site and common habitats observed throughout the Site impacts are unlikely to give rise to any significant impact on species of conservation significance.

5.3.2 Koala Habitat

It is considered that the establishment of the proposed development is unlikely to give rise to significant impacts to koala populations within the locality[3]. It is considered that the proposed development:

- is unlikely to cause significant levels of fragmentation to koalas within the locality. The proposed development will result in the removal of semi-mature and regrowth

[3] With regard to the EBPC Act referral guidelines for the vulnerable koala.

vegetation which is currently surrounded in all directions by significant ecological impediments. The presence of these existing impediments has resulted in fragmentation of moderate to low quality habitats supported within the Site and the proposed development will not create any further significant fragmentation.

- is unlikely to cause a significant restriction in the ability for koalas to move through the landscape. It is unlikely that koalas would rely on the lower quality habitats supported within the Site, particularly given the lack of permeability for koalas over to existing barriers such as the north-coast rail to the west, Greenbank Shopping Centre Upgrades to the south, Teviot Road and the approved residential developments to the east and the bottleneck of Teviot Rd and the North-Coast Rail Line to the north.

- will be appropriately designed to mitigate secondary impacts to surrounding habitat that may be attributable to bushfire and hydrological factors.

An assessment of the proposed development against the EPBC Act referral guidelines has identified that the action is unlikely to give rise to a significant impact to koala[4] and as such no referral to the DoEE is deemed necessary (refer **Section 6.1**).

5.4 Mitigation Measures

Due to the nature of the proposed development being for independent living units, health care services/commercial precinct, commercial shops and food and drink outlets, GFA is required to accommodate such a use. As such, retention of individual trees within the development footprint is not practicable.

Notwithstanding, the incorporation of appropriate landscaping, particularly locally endemic flora species that are koala feed species or those that flower prolifically, will offer foraging opportunities for native fauna residing within the immediate locality.

[4] As stated within the EPBC Act referral guidelines for the vulnerable koala, the loss of two hectares or less of marginal quality habitat critical to the survival (habitat score of 5) is highly unlikely to have a significant impact on the koala for the purposes of the EPBC Act.

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.

Further, the incorporation of traffic calming devices and fauna friendly speed limits during construction and operational phases should be adopted. Fauna exclusion fencing should be established along the western boundary to prevent fauna movement into the development area and possible interaction with vehicles.

The applicant, should the application be acceptable to EDQ in some form, will be required to contribute to Koala habitat offsets under the requirements of EDQ Guideline 17 outlined in **Section 6.3.3**.

6 Statutory Compliance

6.1 EPBC Act

Since 1980, there have been 10 records of koalas within 1 km of the Site and evidence of koalas was observed on the Site during field survey. No other MNES are known from this area. The impacts of the proposed development are unlikely to constitute a Significant Impact on MNES (impacts will be on native vegetation which has been historically disturbed). Whilst this vegetation is connective with vegetation to the immediate west and south, this patch of vegetation occurs in a highly fragmented landscape and is limited in its ability to facilitate movement of koalas and other fauna through the locality. As such, 28 South does not consider a controlled action referral to the DoEE is necessary for the proposed development. In making this recommendation, particular consideration has been given to the koala, and the EPBC Act referral guidelines for the vulnerable koala.

6.2 NC Act

No threatened flora species were found within the Site and the proposed development is unlikely to have an impact on flora species listed as MSES.

It is likely that fauna species of conservation significance may at some point fly-over, move through or infrequently forage within the Site; however, the proposed development over the Site (including clearing and the end commercial use) is unlikely to give rise to any significant impacts to MSES fauna.

Further mitigation measures such as a fauna management plan to govern works and the use of a suitably qualified fauna spotter catcher can assist in minimising and mitigating any impacts to fauna during the clearing and construction phases.

6.3 Greater Flagstone PDA

6.3.1 PDA-wide Criteria

The PDA-wide criteria of relevance to this EAR are 3.3.6 – Community Greenspace Network and 3.3.8 – Natural and Cultural Values. The proposed development is assessed against these criteria below.

Criterion 3.3.6 – Community Greenspace Network

Some elements of the community greenspace network criterion relate to the retention of remnant vegetation, Significant Vegetation and habitat for fauna.

The Development Scheme defines Significant Vegetation within the PDA as significant in its:

- Ecological value at local, state or national levels, including:
    - Vegetation mapped as endangered REs;
    - Vegetation in areas identified in a ULDA guideline as requiring koala habitat offset;
- Contribution to the preservation of natural landforms;
- Contribution to the character of the landscape;
- Cultural or historical value; and
- Amenity value to the general public.

The mapped Endangered RE within the Site constitutes "Significant Vegetation" under the Development Scheme. PDA-wide criterion 3.3.6 requires that "development contributes to the provision of an integrated, high quality, regional community greenspace network that caters for a range of environmental needs by retaining where possible…remnant vegetation and habitat for fauna; and delivering parks that retain existing significant vegetation to the greatest extent possible". However, this is required to be provided in accordance with the PDA Community Greenspace Network in Map 4 of the Development Scheme (**Attachment 4**). The Site is not earmarked for the provision of any parks, biodiversity corridors or potential greenspace within the Development Scheme. The Significant Vegetation within the Site is highly disturbed (displaying numerous edge effects) and offers minimal value to landscape connectivity given the impediments that surround the Site (e.g. railway line, Teviot Road, urban development). Further, when consideration is given the proposed and likely to be endorsed Context Plans (**Section 5.1**) it is likely that the mapped remnant vegetation supported over components of the Site and adjoining properties will be subject to complete isolation and likely fragmented by necessary road construction. It is therefore considered that the retention of Significant Vegetation within the Site is not practicable given the specific zoning of the Site as Urban Living and the fact that the Site is not earmarked within the Development Scheme for

provision of greenspace and Context Plans likely to be adopted by EDQ don't consider this vegetation layer.

In accordance with Schedule 1 of the Development Scheme, operational work that is the clearing of Significant Vegetation is Exempt Development if it is in accordance with the conditions of a PDA Development Approval for a MCU or reconfiguring a lot. Therefore, subject to the MCU being approved, the clearing of this Significant Vegetation will be Exempt Development under the Development Scheme.

Criterion 3.3.8 – Natural and Cultural Values

The Site is not recognised within the Development Scheme as providing significant regional environmental features. Assessment of the proposed development against specific relevant aspects of criterion 3.3.8 is provided in **Table 2**.

Table 2: Assessment of proposed development against PDA wide Criterion 3.3.8

Requirement from Criterion 3.3.8	Assessment of Proposed Development
Development responds to the constraints of the land and delivers: a) Protection of significant environmental and ecological values b) Protection of Remnant Endangered vegetation where proven by groundtruthing to be viable c) Minimal emissions to land, water and atmosphere d) Protection of culturally significant places and items e) Efficient use of land and resources.	a) The Site is not considered to contain significant environmental and ecological values. b) The Site contains remnant Endangered vegetation; however, this vegetation is not considered to be "viable" (refer to **Section 6.3.3**) c) Emissions to land, water and the atmosphere will be managed through a Construction Environmental management Plan (**CEMP**) and a Stormwater Management Plan (prepared under separate cover). d) The Site does not contain culturally significant places or items. e) The proposed development represents an efficient use of land that is appropriately zoned within the PDA for the proposed use.
The design, siting and layout of development: a) Preserves and enhances important environment values, and respects local land forms b) Avoids, minimises and offsets development impacts on areas of biodiversity values and koala habitat values c) Maintains or improves ecological connectivity in the local urban context	a) The Site is not considered to contain important environmental values. The proposed development is responsive to the local landform. b) Avoidance of the NJKHTs within the Site is not practicable, due to the large-footprint requirements of the proposed use. Impacts on koala habitat values will be offset in accordance with Guideline 17. Refer to **Section 6.3.3**. c) Ecological connectivity within the Site is highly compromised; however, the Site still plays some role in facilitating movement of fauna (including the koala). Whilst this connectivity will be affected by the proposed development, landscaping will facilitate movement along the periphery of the Site and the provision of a local offset will strengthen ecological connectivity in a more strategic location.

Requirement from Criterion 3.3.8	Assessment of Proposed Development
d) Incorporates landscaping with endemic species that contribute to bushland character, flora and fauna habitat, and fauna movement	d) Landscaping will utilise endemic species, will provide a level of flora and fauna habitat and will facilitate movement along the boundaries of the Site. Refer to Landscape Concept Plan prepared under separate cover.
e) Respects cultural heritage values	e) No notable cultural heritage values are known to exist on the Site.
f) Minimises adverse impacts on natural landforms and the visual amenity of the site	f) No natural landforms or notable aspects of visual amenity will be impacted by the proposed development.
g) Maintains or improves the ecological health and environmental values of surface and groundwater, including wetland and waterways in and adjacent to the PDA	g) Potential impacts on surface and groundwater will be managed through a CEMP and the Stormwater Management Plan (prepared under separate cover).
h) Maintains and improves the functioning and characteristics of the hydrological network (including surface and groundwater) and generally maintains the natural flow regime	h) Potential impacts on the hydrological network are described and assessed through the Stormwater Management Plan (prepared under separate cover).
i) Incorporates total water cycle management and water sensitive urban design principles to appropriately manage floodwater and stormwater	i) The proposed development's approach to water cycle management and WSUD is described within the Stormwater Management Plan (prepared under separate cover).
j) Applies best industry practice erosion and sediment control techniques giving particular regard to the local dispersive soils	j) The CEMP will include measures for erosion and sediment control techniques on the Site.
k) Ensures that all land and groundwater will be fit for purpose in accordance with accepted standards and practices	k) It is expected that the proposed development will comply with this requirement.
	l) The CEMP will manage potential impacts on air quality and noise, and those associated with the use of hazardous materials.
	m) The innovative and efficient use of energy and water is addressed elsewhere as part of the development application.

Requirement from Criterion 3.3.8	Assessment of Proposed Development
l) Manages air quality, noise and hazardous materials according to current standards m) Promotes innovative and efficient use of energy and water n) Maximises recycling opportunities and reduces waste generation	n) The extent to which the proposed development maximises recycling opportunities and reduces waste generation is addressed elsewhere as part of the development application.
The design, siting and layout of development: a) Incorporates koala conservation and habitat protection outcomes in a way that contributes to a net increase in koala habitat and assists in the long-term viability of populations in SEQ b) Avoids (to the greatest extent possible) the clearing of areas mapped as High Value Bushland on the relevant SPP Koala Habitat Values Map c) Caters for koala movement between conserved areas of bushland koala habitat d) Ensures impacts on koala habitat are offset through the delivery of a net benefit to koalas, including through the expansion of habitat on lands as suitable for rehabilitation e) Incorporates koala sensitive urban design.	a) The proposed development will lead to a net increase in koala habitat and contribute to the long-term viability of populations in SEQ through appropriate offset arrangements (see **Section 6.3.3**). b) The proposed development will not impact any area mapped as High Value Bushland Koala Habitat. c) Landscaping on the periphery of the Site will allow for koala movement between conserved koala bushland habitat areas. d) The proposed development will lead to a net increase in koala habitat and contribute to the long-term viability of populations in SEQ through appropriate offset arrangements (see **Section 6.3.3**). e) Due to the intensive use of the Site for the proposed development, koalas will not be encouraged to pass through the Site. The proposed development will include koala sensitive urban design measures such as provision of key food and shelter species as part of landscaping works on the periphery of the Site.

6.3.2 Guideline 14 – Environmental Values and Sustainable Resource Use

The Applicant has given due consideration to relevant Commonwealth and State Government legislation and regulations through the design of the proposed development. The proposed development represents a sound land use planning outcome, utilising existing infrastructure and avoiding the creation of new impacts in other undeveloped areas within the locality. An assessment of the proposed development has identified that it is unlikely to give rise to any significant impacts to MNES or MSES. The proposed development is also relatively close to an identified Potential Rail Station within the Development Scheme. The establishment of this station would allow future employees, residents, patients and visitors access to public transport close to the Site.

6.3.3 Guideline 17 –Remnant Vegetation and Koala Habitat

An assessment of the Site against the provisions and obligations of development set out within Guideline 17 has been undertaken as part of this EAR.

Remnant Vegetation

Guideline 17 prohibits the clearing of viable remnant vegetation containing Endangered REs and sets out requirements for proposed development in relation to the clearing of non-viable remnant vegetation containing Endangered REs. With reference to Schedule 1 (definitions) of Guideline 17, and **Attachment 18** the Endangered RE mapped on the Site meets the "viable" definition as it:

- is located wholly within a Regional Corridor; and
- is located marginally within a Local Government Strategic Biodiversity Corridor (in the north-west of the Site).

However, it must be acknowledged that DES defined regional biodiversity corridors three years after the concept of "viable" Endangered RE was defined under Guideline 17. To this end, it is fair to suggest that the Greater Flagstone PDA did not contemplate retention of this isolated patch of vegetation. The LCC Biodiversity Corridor mapping includes the north-west of the Site (see **Attachment 18**). Similar to Guideline 17, this overlay was finalised in May 2015.

The wording within Guideline 17 to define "non-viable" Endangered RE is ambiguous, as it does not explicitly state that non-viable must meet one or all of the listed requirements. This is important for the proposed development in two respects. Firstly, from an ecological perspective, the mapped Endangered RE within the Site is highly compromised due to its isolated position and fragmented nature. Touching on other criteria for determining "non-viable" vegetation, the RE polygon is:

- smaller than 5 ha;
- not connected to other remnant or high-value regrowth communities;
- not connected to a watercourse or waterbody;
- not located adjacent to a Protected Area Estate;
- isolated and fragmented as a result of historical and contemporary land uses; and
- had a greater than 50% weed species within the understorey and ground layer prior to under-scrubbing works.

Objectively speaking, the Endangered RE polygon is highly compromised in its current setting due to fragmentation and incursion of urban uses associated with the orderly delivery of development in line with the Greater Flagstone Development Scheme and the likely adoption of a Context Plan which does not contemplate this mapping.

It is of note, a large site to the west of the proposed development – the approved Covella residential estate – 'contained' mapped Endangered RE within Regional and LCC Biodiversity Corridors. With the approval of the clearing within this site for the Covella development[5], EDQ has effectively set a precedent in the interpretation of what constitutes "viable" and "non-viable" Endangered RE for the purposes of assessing compliance with Guideline 17. The removal of large swathes of Endangered RE for the Covella development demonstrates that the remaining remnant patches within this portion of the PDA are highly isolated and will continue to be compromised by urban development in line with the PDA's strategic intent.

[5] DEV2016/810, DEV2017/831, DEV2018/920, DEV2019/1016

Bringing this analysis back to the proposed development, whilst the mapped vegetation within the Site meets a limited number of criteria for constituting "viable" Endangered RE, these criteria are strategic, desktop-based mapping corridors that were either defined at the same time that Guideline 17 was released (LCC mapping), or three years thereafter (DES Regional Corridor mapping). From an ecological perspective, the critical criteria in determining a "viable" Endangered RE are not met by the mapped vegetation within the Site (it is a small patch, historically cleared, considerably modified and isolated and fragmented by past and current land uses). The retention of the mapped Endangered RE on the Site would not lead to a noticeable improvement in the ecological values of the PDA, and it is likely that the patch of vegetation would continue to be compromised by future development activities; thereby achieving negligible ecological outcomes for the PDA.

Consequently, it is considered that through the clearing of mapped Endangered RE for the Covella development (noted as approved by the ULDA by Saunders Havill[6]), EDQ has set a precedent for the manner in which Endangered RE is to be managed for orderly development in line with the intent of the Development Scheme. To this end, the clearing of the mapped Endangered RE within the Site for the proposed development is considered to meet the purpose of Guideline 17, as the offsets to be provided with by the Applicant will help to ensure that there is no net loss of remnant vegetation containing Endangered RE within the region, and there will be a net gain in bushland koala habitat within the region.

Koala Habitat

With reference to Schedule 1 of Guideline 17, "koala habitat areas" include areas mapped on SPP koala habitat values maps as (a) Bushland Habitat; and (b) High and Medium Value Rehabilitation Habitat. Using this definition, the Site is entirely mapped as a koala habitat area, consisting of:

- 0.577 ha of Medium Value Bushland Habitat; and
- 1.427 ha of Medium Value Rehabilitation Habitat.

[6] Saunders Havill 2017. Teviot Village – Vegetation Management Plan. Villa Green Pty Ltd, EPBC Ref: 2011/6106.

As shown in **Attachment 17**, the Site includes 145 NJKHTs within the Medium Value Bushland Habitat areas and 172 NJKHTs within the Medium Value Rehabilitation Habitat areas. More broadly there are areas of Koala Bushland Habitat that correlate with partially retained vegetation in the north-west of the Site (see **Attachment 11**). The remaining areas surrounding the Site are mapped as Medium Value Rehabilitation Habitat.

Site survey confirmed that the Site is generally mapped appropriately under the SPP Koala Habitat Mapping. The proposed development will require the clearing of the koala habitat areas within the Site. It is not considered practicable for the proposed development to avoid this clearing, owing to the necessary floor space required to appropriately locate buildings on a scale that is commensurate with the proposed independent living units, health care services/commercial precinct, commercial shops and food and drink outlets. Within the Site there are no areas where the design would facilitate the retention of individual or groups of trees.

The proposed development within the Site represents a logical land use planning outcome insofar that it is reflective of the proposed land use outcomes within the Development Scheme.

Offset Obligations

In accordance with the provisions of Guideline 17, the proposed development is required to separately address impacts to (a) non-viable Endangered regional ecosystems, and (b) koala habitat areas. These obligations, and the proposed response to these, are itemised in **Table 3**.

Table 3: Offset Obligations under Guideline 17 and Proposed Approach

Impact	Offset Obligation	Proposed Approach
Clearing of 1.131 ha of "non-viable" Remnant Vegetation Containing Endangered RE	Ranges from 1:1 to 1:4 (depending on option chosen). Note – no monetary contribution accepted.	TBC

Impact	Offset Obligation	Proposed Approach
Clearing of 0.577 ha of Medium Value Koala Bushland Habitat	Monetary contribution of $15,000 per hectare cleared	The Applicant proposes a monetary contribution of **$8,655** to meet this offset obligation.
Clearing of 1.427 ha of Medium Value Rehabilitation Koala Habitat	Monetary contribution of $5,000 per hectare cleared	The Applicant proposes a monetary contribution of **$7,135** to meet this offset obligation.

6.3.4 Guideline 18 – Development Interfaces

The proposed development represents a logical infill development within the locality. The Site is historically cleared, is situated within a highly fragmented corridor with linear infrastructure and urban development heavily influencing its limited connectivity, offers limited habitat value and displays evidence of edge effects from linear infrastructure and large-lot development in the surrounding areas. Development interfaces will remain consistent with those already existing. Landscape design should consider the inclusion of koala feed trees as landscaping trees particularly on the boundary of the Site where possible.

7 Summary and Conclusions

This EAR assessed the ecological and environmental planning matters applicable to the proposed development through statutory planning considerations and an ecological assessment of the Site. 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.

No conservation-significant vegetation communities or flora species were detected during Site assessments. Evidence of koalas was present within the Site, suggesting that it plays at least a minor role in providing shelter and forage resource for the species in the immediate area. However, the Site was historically cleared and its current vegetation is somewhat compromised in terms of fragmentation, ecological health and habitat provision. It is likely that more mobile and robust species would periodically visit the Site for foraging purposes; particularly avian, scansorial and flying mammal species. However, given the position of the Site in relation to the surrounding locality and ecological impediments bounding the Site, it is considered unlikely that the Site is of any great significance to koalas or any other conservation-significant vegetation communities, flora or fauna species.

The Site is relatively unencumbered by Commonwealth or State ecological and environmental planning constraints. The proposed development is also consistent with relevant ecological guidelines for the Greater Flagstone PDA and ecological components of the Development Scheme. The mapped vegetation within the Site is highly fragmented and is subject to ongoing impacts from urban development within the PDA. For this reason – backed by recent determinations by EDQ on nearby sites – the vegetation is considered to be “non-viable” for the purposes of Guideline 17.

The impacts of the proposed development on “non-viable” Endangered RE and on koala habitat areas will be offset in accordance with the requirements of Guideline 17. Given the context of the surrounding development and bushland areas, the proposed development presents as a logical extension of urban development in the locality. Furthermore, the proposed development is suitably located in an area zoned for such uses within the Greater Flagstone PDA Development Scheme.

Photo Plates



Photo Plate 1 – Site entry near Teviot Rd



Photo Plate 2 – looking north across the eastern half of site



Photo Plate 3 – one of five pig yards scattered around Site



Photo Plate 4 – Looking south over workshop areas and horse yard



Photo Plate 5 – Looking norther west over workshop



Photo Plate 6 – Looking east at rear of house and pig yard



Photo Plate 7 – looking north-east from western boundary over mapped endangered RE



Photo Plate 8 – looking west over pig yard to neighbouring property



Photo Plate 9 – Looking south-east over southern boundary and house



Photo Plate 10 – looking east over dam from western boundary in Mapped Endangered RE.

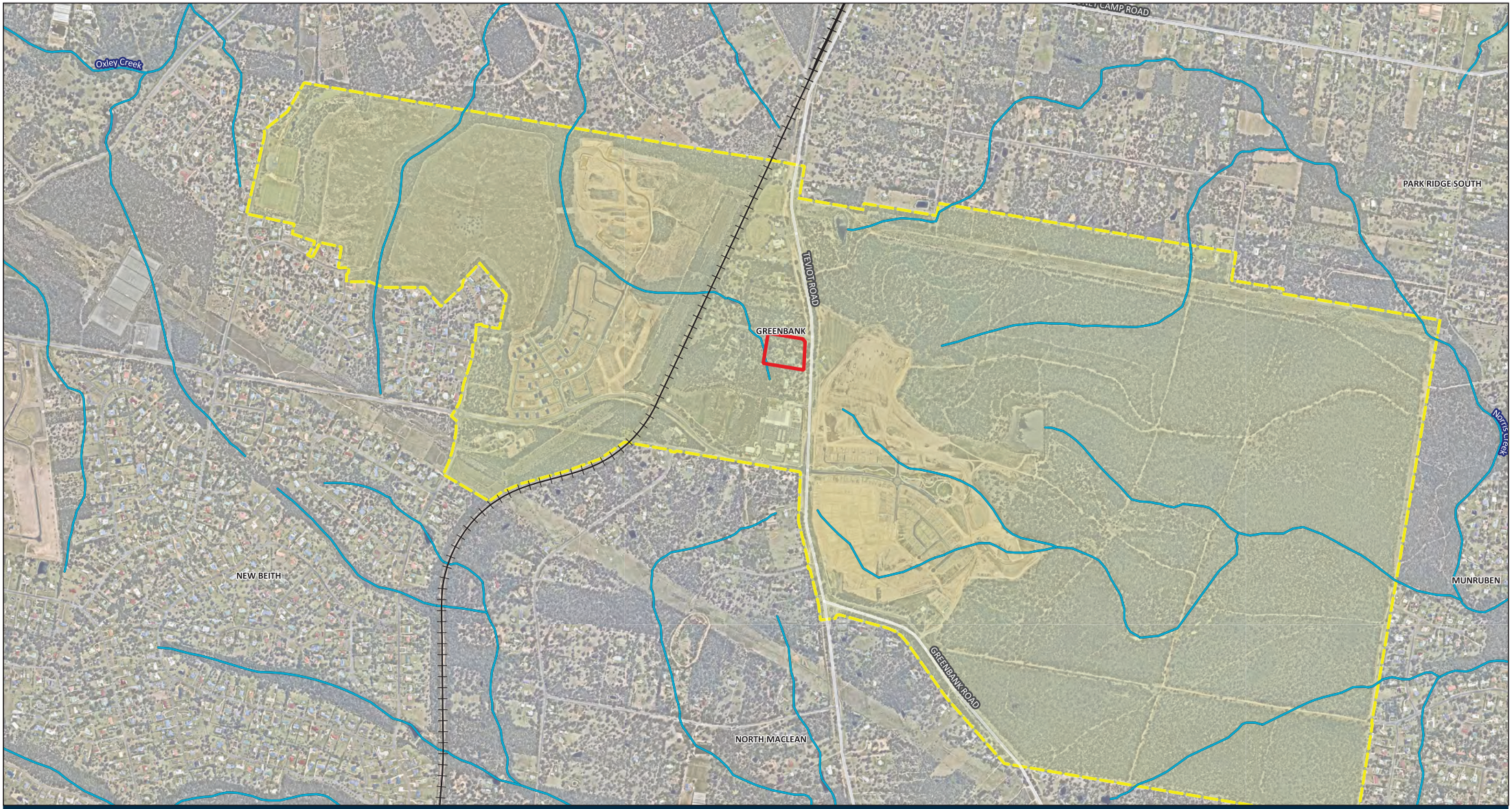


Photo Plate 11 – south-western corner rubbish pile



Photo Plate 12 – looking east towards house from centre of the Site.

ATTACHMENT 1



205-219 Teviot Road, Greenbank

Attachment 1 - Locality

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap November 2018); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

- Site Boundary
- Rail_network
- Watercourse (DNRME)
- Greater Flagstone Priority Development Area (northern component)

Issue Date	Dwg No.	Author
12 December 2019	2019-104-001	RF
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

1:15000

N

250 0 250 500 750 1000 m

ATTACHMENT 2



205-219 Teviot Road, Greenbank

Attachment 2 - Site Context

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap October 2019); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

- Site Boundary
- Watercourse (DNRME)
- Property Boundary

Issue Date	Dwg No.	Author
12 December 2019	2019-104-002	RF
Approved	**Revision Note**	
MT		

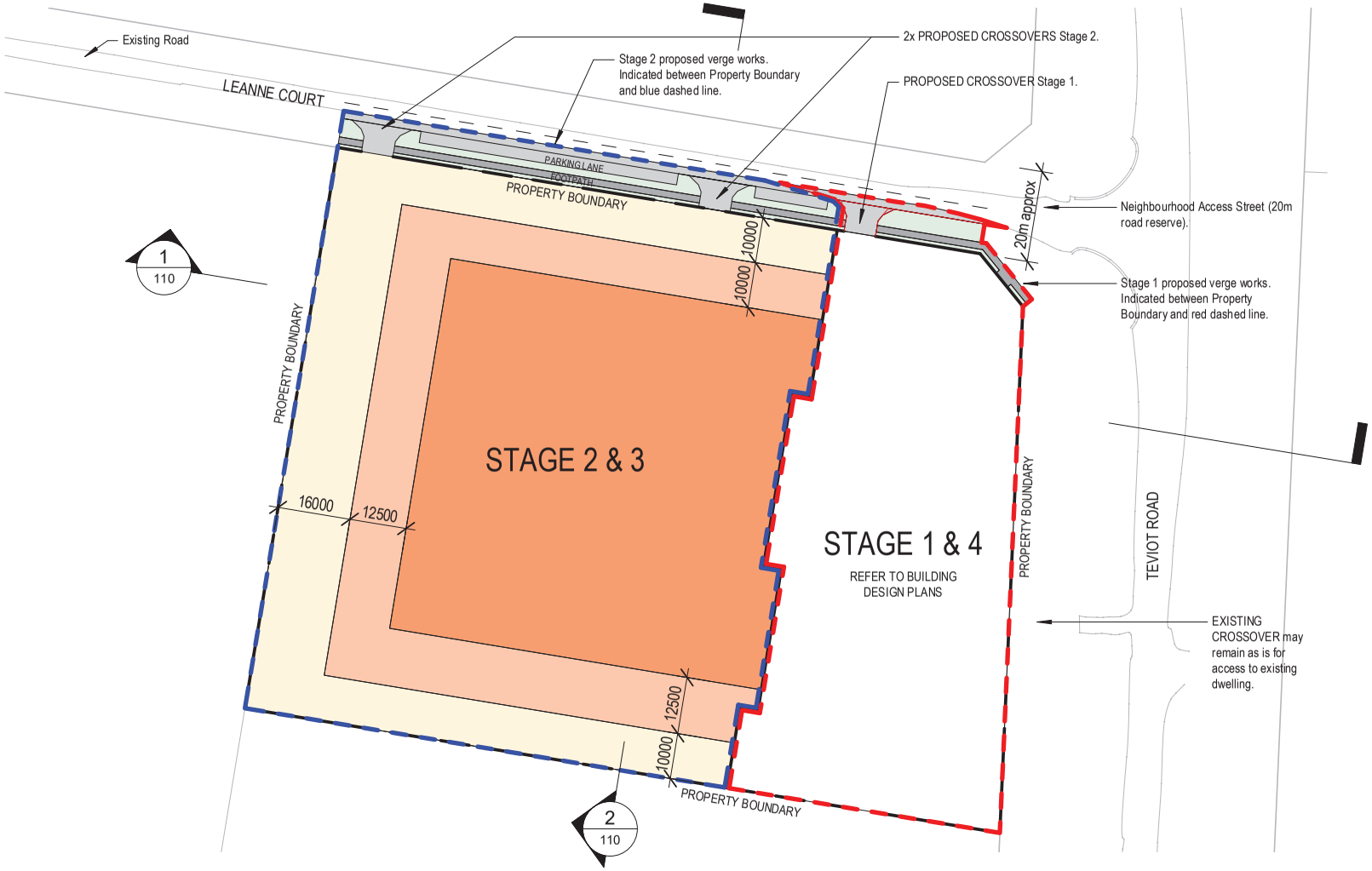
(A3) GDA 94 MGA 56

1:1000

25 0 25 50 75 100 m

N

ATTACHMENT 3



STAGING

STAGE 1 - Refer to Building Design Plans

STAGE 4 - Refer to Building Design Plans

STAGE 2 - Up to 100 Independent Living Units (ILU) & Assisted Living Units (ALU) (approx. 80% 2-bed, 10% 3-bed, 10% 1-bed)

STAGE 3 -Up to 40 ILUs & ALUs (approx. 80% 2-bed, 10% 3-bed, 10% 1-bed)
-Up to 200 Bed, Aged Care Facility

BUILDING HEIGHT

Up to 5 Storey (Up to 21m Above NGL)
Up to 4 Storey (Up to 18m Above NGL)
Up to 3 Storey (Up to 15m Above NGL)

Note: All Building Heights exclude roof plant, lift over run, stair over run and the like.
NGL = Natural Ground Level.
The underside of Basement ceiling is not to protrude more than 1m Above NGL and the Basement is not considered a Storey.

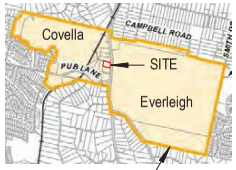
BUILDING SETBACK

-Stage 2 & 3 Building Setbacks in accordance with the PDA guidelines and to be determined via Development Applications for Development Permit.

CAR PARKING

-Stage 2 & 3 Car Parking in accordance with PTT DA Report and to be determined via Development Applications for Development Permit.

PDA LOCATION



Greater Flagstone UDA boundary

EASEMENTS = To be solved during Detailed Design after approval of Development Permit.

BUILDING HEIGHT = The maximum vertical distance between the natural ground level and the roof or parapet at any point but not including anything projecting from a building such as an antenna, aerial, chimney, flagpole or the like.

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DEVELOPMENT MANAGER

EVERETT
PROPERTY DEVELOPMENT MANGEMENT

DEVELOPMENT APPLICATION

NOT FOR CONSTRUCTION NOT FOR BA

Issue	Date	Description	By
1	10.06.2020	PoD Pre-DA Review	DE
2	24.06.2020	PoD Pre-DA Review	DE
3	19.08.2020	DA Issue	DE

NOTES

LEVELS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

FLOOR PLAN LAYOUTS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE INDICATIVE ONLY AND SUBJECT TO CHANGE.

ARCHITECTURAL DRAWINGS ARE CONCEPTUAL. THE DRAWINGS ARE SUBJECT TO STRUCTURAL AND SERVICE ENGINEERING INPUT, BCA COMPLIANCE AND COMPLIANCE WITH ANY OTHER AUTHORITIES REQUIREMENTS.

SURVEY CONTOURS ARE OBTAINED FROM COUNCIL WEBSITE AND TO BE CONFIRMED BY A SURVEYOR.

DIMENSIONS ARE APPROXIMATE. VARIFY DIMENSIONS ON SITE.

project

Greenbank Health Centre

205-219 Teviot Road,
Greenbank, Qld

client
Developer

Master Plan

sheet

date: 2019
scale: As indicated
drawn: DE
checked: DE
verified:

NORTH

1912 project_no. A 100 sheet_no. 3 issue

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Original Sheet Size A1- 594 x 840

D.A ISSUE



Consulting Engineer

VERVE BUILDING DESIGN CO.

BUILDING DESIGNERS LICENCE No. 1002212
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Imagine ▫ create ▫ deliver

- commercial / industrial / retail
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- project concept to completion

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Revision and approvals				
Code	Date	Drn	Description	Dwn
A	10.07.2020	GN	DA ISSUE	

Project Description
PROPOSED MIXED USE DEVELOPMENT
205-219 TEVIOT ROAD, GREENBANK

Scale: 1:300 @ A1 / 1:600 @A3
Drawn: GN
Approved:
Issued:

Drawing Title
CONCEPT PLAN - BASEMENT LEVEL STAGE 1 & STAGE 4

Drawing Number: 19021-DA05
Revision: A

D.A ISSUE



PROPERTY DESCRIPTION

LOT 10 on RP184067
PARISH: PERRY
COUNTY: STANLEY

COUNCIL: LOGAN CITY COUNCIL

DEVELOPMENT ASSESSMENT

TOTAL SITE AREA - 2.001 ha

STAGE 1 & 4 - BUILDINGS (3 STOREY)

DEVELOPMENT SITE AREA - 6,332m2
(INCLUDES STAGE 4 SITE AREA)

LANDSCAPE/OPEN SPACE - 1,240m2 (19.6

BUILDING AREAS - NLA

GROUND LEVEL

- T1 - DENTIST - 100m^2
- T2 - OPTOMETRIST - 97m^2
- T3 - PATHOLOGY - 44m^2
- T4 - CAFE/HEALTH FOODS - 100m^2
- T5 - CHEMIST - 448m^2
  INCLUDES EXCLUSIVE AMENITIES
- T6 - MEDICAL CONSULT - 417m^2
- PUBLIC AMENITIES - 14m^2
- T11 - MEDICAL/COMMERCIAL - 443m^2

TOTAL GROUND LEVEL NLA - 1,663m^2

OVERALL BLDG FOOTPRINT- 1,840m^2

(INCLUDES STAIRS/LIFTS AND STAGE 1 BUILDINGS)
(EXCLUDES OPEN AIR BREEZEWAYS, REFUSE AND MECHANICAL SERVICES ENCLOSURES)

CAR PARKING

- PARKING REQUIRED - T.B.A
- PARKING PROVIDED - 162

LEGEND

BR BICYCLE RACK. 4 OFF. 5 BIKES MAX. EACH

Consulting Engineer

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Revision and approvals				
Code	Date	Drn	Description	Dwn
C	03.08.2020	GN	D.A ISSUE	
B	05.08.2020	GN	D.A ISSUE	
A	10.07.2020	GN	DA ISSUE	

Project Description
PROPOSED MIXED USE DEVELOPMENT
205-219 TEVIOT ROAD, GREENBANK

Scale 1:300 @ A1 / 1:600 @A3
Drawn GN
Approved
Issued

Drawing Title
CONCEPT PLAN - GROUND FLOOR
STAGE 1 & STAGE 4

Drawing Number 19021-DA06
Revision C

D.A ISSUE



PROPERTY DESCRIPTION

LOT 10 on RP184067
PARISH: PERRY
COUNTY: STANLEY

COUNCIL: LOGAN CITY COUNCIL

DEVELOPMENT ASSESSMENT

STAGE 1 - BUILDING 1 (3 STOREY)

BUILDING AREAS - NLA

FIRST LEVEL

- T7a - DAY SURGERY SUITES - 244m²
- T7b - SURGERY REC. ROOMS - 72m²
- T8 - SPECIALIST CENTRE - 313m²
- T9 - RADIOLOGY - 310m²
- T10 - MANAGEMENT OFFICE - 78m²
- T12 - MEDICAL/COMMERCIAL - 610m²
- PUBLIC AMENITIES - 41m²

TOTAL FIRST LEVEL NLA - 1,668m²

OVERALL LEVEL1 FOOTPRINT - 1,882m²

(INCLUDES STAIRS AND LIFTS)
(EXCLUDES OPEN AIR BREEZEWAYS, REFUSE AND MECHANICAL SERVICES ENCLOSURES)

Consulting Engineer

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Revision and approvals				
Code	Date	Drn	Description	Dwn
A	10.07.2020	GN	DA ISSUE	

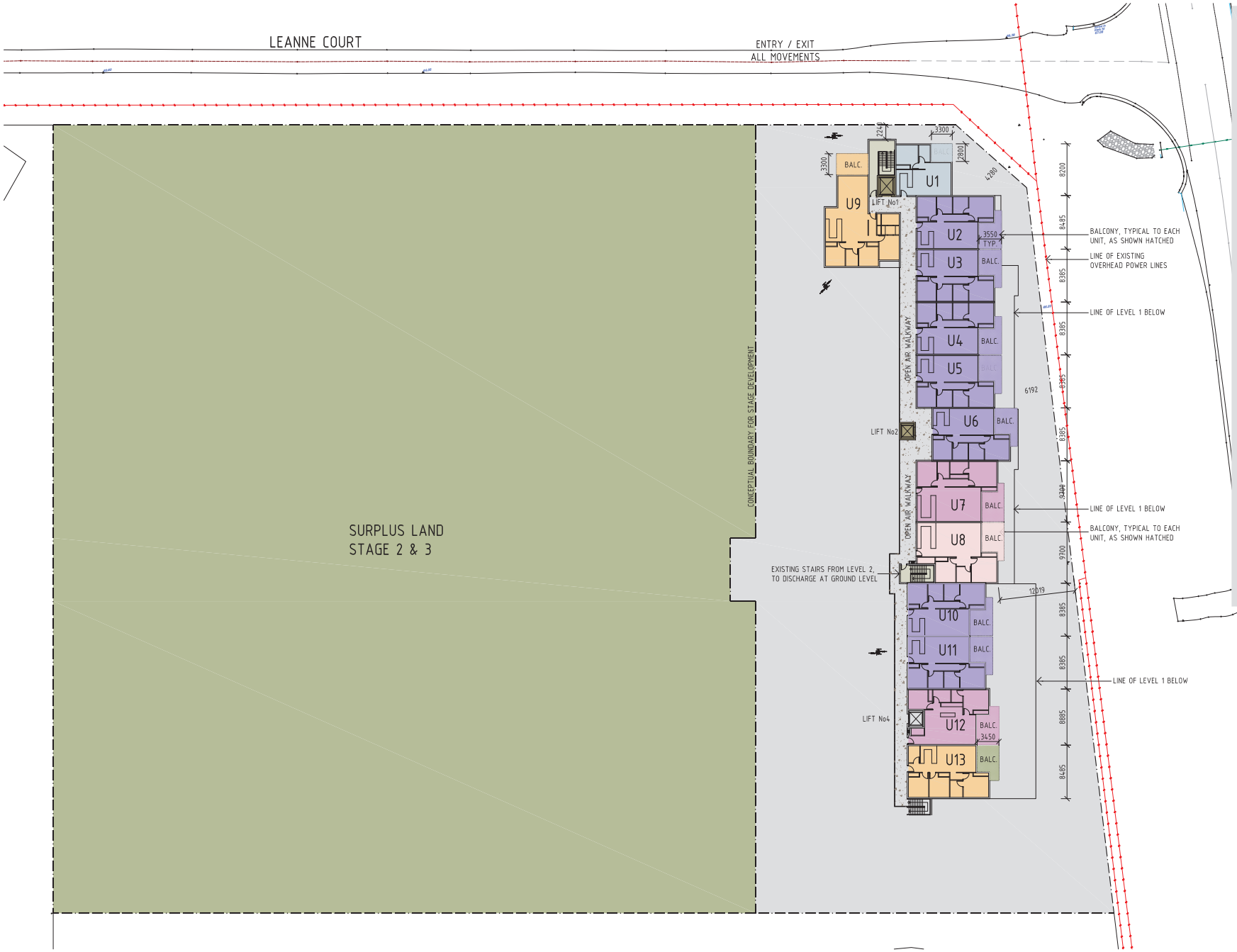
Project Description
PROPOSED MIXED USE DEVELOPMENT
205-219 TEVIOT ROAD, GREENBANK

Scale: 1:300 @ A1 / 1:600 @A3
Drawn: GN
Approved:
Issued:

Drawing Title
CONCEPT PLAN - FIRST FLOOR
STAGE 1 & STAGE 4

Drawing Number: 19021-DA07
Revision: A

D.A ISSUE



PROPERTY DESCRIPTION

LOT 10 on RP184067
PARISH: PERRY
COUNTY: STANLEY

COUNCIL: LOGAN CITY COUNCIL

DEVELOPMENT ASSESSMENT

STAGE 1 - BUILDING 1 (3 STOREY)

BUILDING AREAS - GFA

SECOND LEVEL

- U1 - 1 BED UNIT - 65.7m²
  U1 - BALCONY - 9.2m²
- U2 - U6 - 2 BED UNITS - 95.2m² (551m²
- U2 - U6 - BALCONY - 16m²
- U7 - 2 BED UNIT - 114.6m²
  U7 - BALCONY - 17m²
  (ACCESSIBLE LAYOUT)
- U8 - 2 BED UNIT - 106.4m²
  U8 - BALCONY - 17m²
  (ACCESSIBLE LAYOUT)
- U9 - 3 BED UNIT - 134.5m²
  U9 - BALCONY - 16m²
- U10 - U11 - 2 BED UNITS - 95.2m² (224m²
  U10 - U11 - BALCONY - 16m²
- U12 - 2 BED UNITS - 99.5m²
  U12 - BALCONY - 17m²
- U13 - 3 BED UNITS - 102.7m²
  U13 - BALCONY - 17m²

TOTAL FIRST LEVEL GFA - 1289.8m²

(EXCLUDES BALCONY AREAS)

OVERALL LEVEL 2 FOOTPRINT - 1,566r

(INCLUDES STAIRS, LIFTS & BALCONY)
(EXCLUDES OPEN AIR CORRIDORS)

Consulting Engineer

VERVE BUILDING DESIGN CO.
BUILDING DESIGNERS LICENCE No. 1002212
OFFICE 2, LEVEL 1, 486 LUTWYCHE ROAD, LUTWYCHE QLD 4030 PH. 07 3857 0942
E: info@vervebd.com.au

imagine ▫ create ▫ deliver

▫ commercial / industrial / retail
▫ fast food restaurant design
▫ travel centre / service stations
▫ project concept to completion

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Revision and approvals				
Code	Date	Drn	Description	Dwn
B	05.08.2020	GN	D.A ISSUE	
A	10.07.2020	GN	DA ISSUE	

Project Description
PROPOSED MIXED USE DEVELOPMENT
205-219 TEVIOT ROAD, GREENBANK

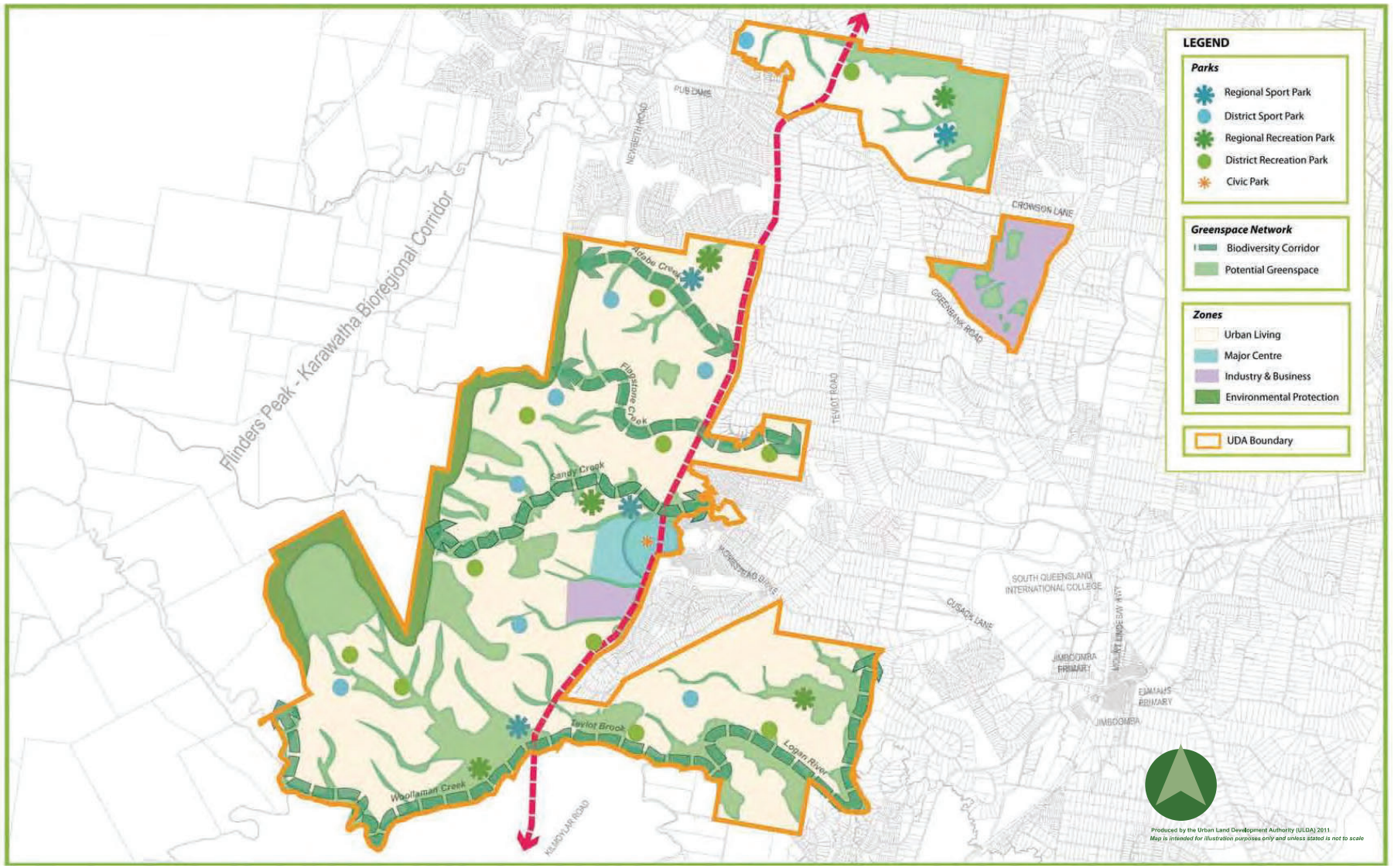
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Drawn: GN
Approved
Issued

Drawing Title
CONCEPT PLAN - SECOND FLOOR
STAGE 1 & STAGE 4

Drawing Number: 19021-DA08
Revision: B

ATTACHMENT 4

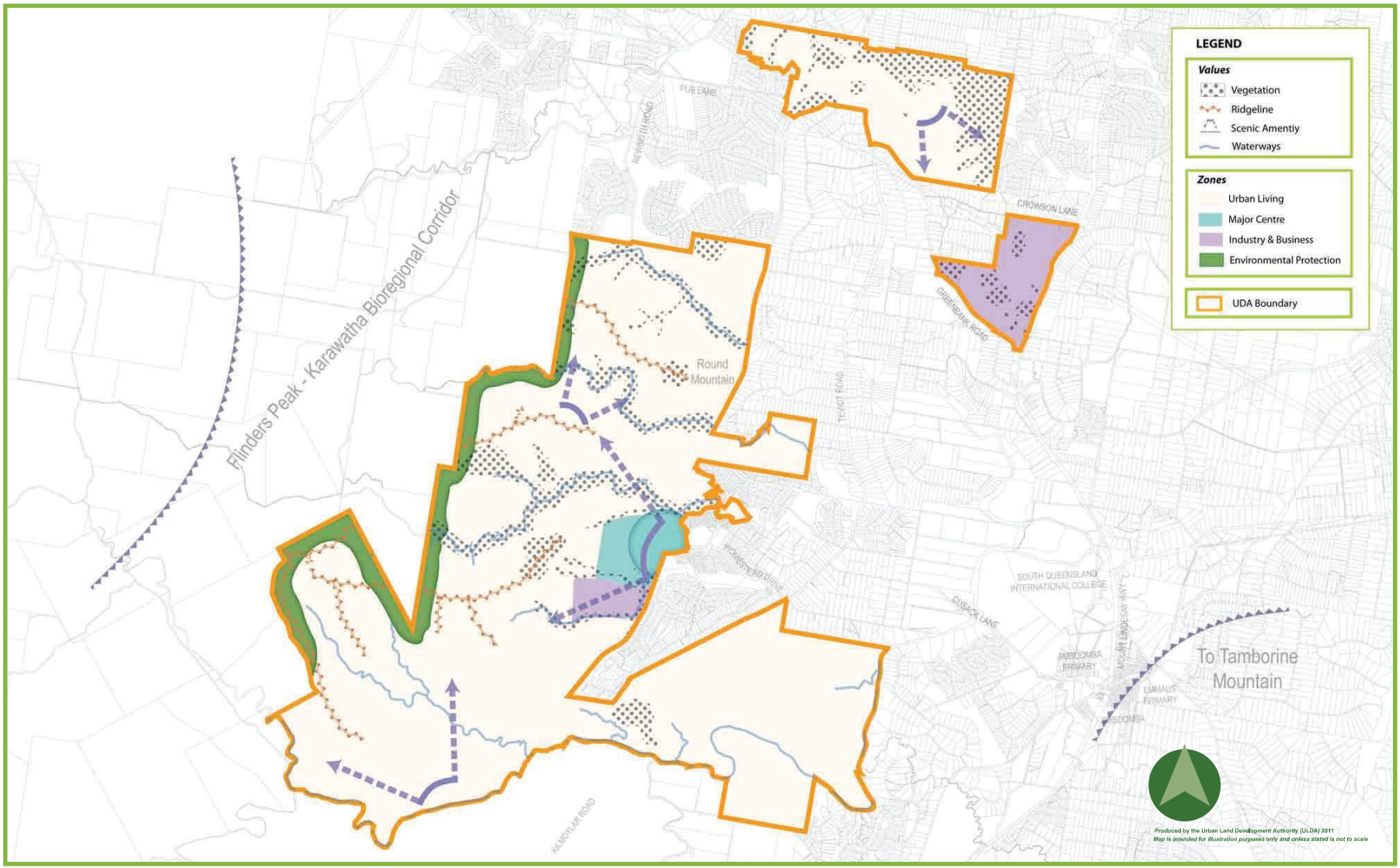
Map 4 - Community greenspace network



28ºS ENVIRONMENTAL

ATTACHMENT 5

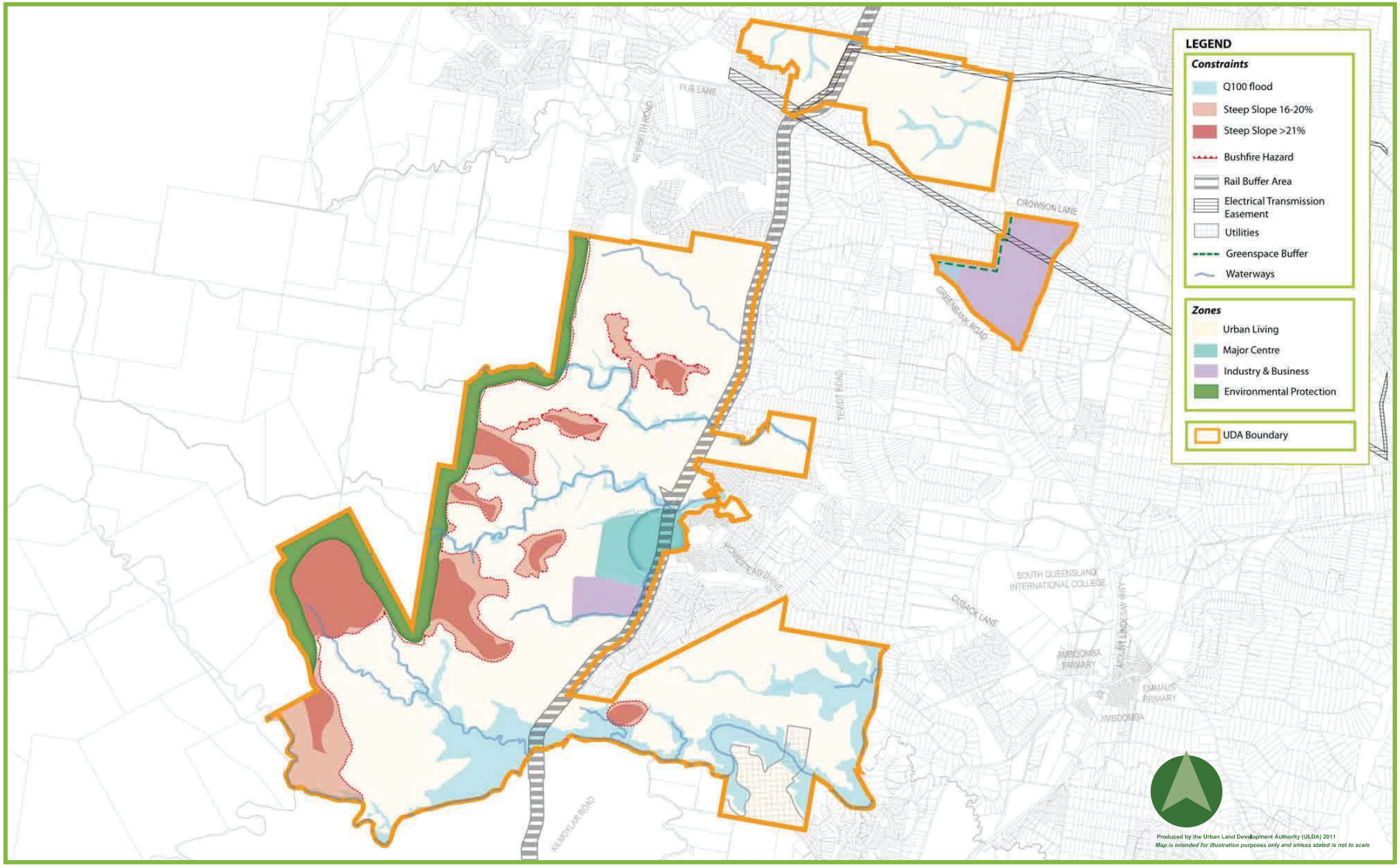
Map 6 - Natural values



28ºS
ENVIRONMENTAL

ATTACHMENT 6

Map 7 - Development constraints



ATTACHMENT 7





2015-219 Teviot Road, Greenbank

Legend

Site Boundary

Attachment 7 - Historical Aerial Imagery (1955 & 1970)

28 South Project Ref: 2019-104

Data Sources: Digital Cadastre Database (Dept. Natural Resources and Mines, 2016); Q Imagery (1955 & 1970)

28ºS ENVIRONMENTAL

Issue Date	Revision	Author
12 December 2019		RF
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

1:15000

500 0 500 1000 1500 m

N





2015-219 Teviot Road, Greenbank

Legend

Site Boundary

Attachment 7 - Historical Aerial Imagery (1982 & 1993)

28 South Project Ref: 2019-104

Data Sources: Digital Cadastre Database (Dept. Natural Resources and Mines, 2016); Q Imagery (1982 & 1993)

28ºS ENVIRONMENTAL

Issue Date	Revision	Author
12 December 2019		RF
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

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500 0 500 1000 1500 m

N





2015-219 Teviot Road, Greenbank

Legend

Site Boundary

Attachment 7 - Historical Aerial Imagery (2002 & 2009)

2F SoutT hroЯct Rej: 2018f10-

Data Sources: Digital Cadastre Database (Dept. Natural Resources and Mines, 2016); Q Imagery (2002 9 2008)

28ºS ENVIRONMENTAL

Issue Date	Revision	Author
12 December 2018		R&
Approved	**Revision Note**	
M3		

(4A) GD4 8- MG4 56

1:15000

500 0 500 1000 1500 m

N

ATTACHMENT 8

EPBC Act Protected Matters Report

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

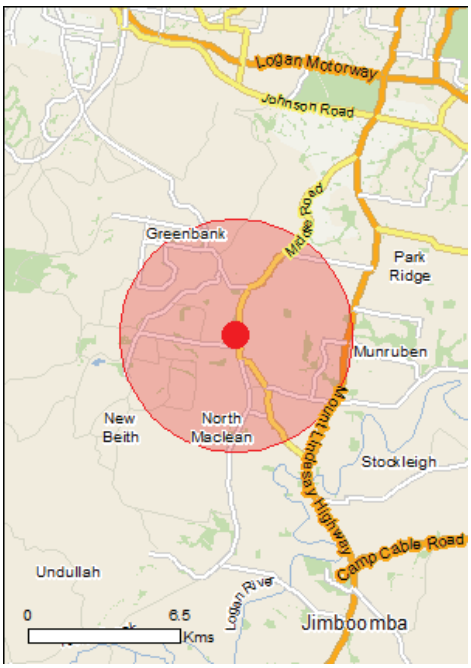
Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about Environment Assessments and the EPBC Act including significance guidelines, forms and application process details.

Report created: 10/12/19 13:43:22

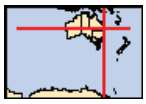
Summary
Details
- Matters of NES
- Other Matters Protected by the EPBC Act
- Extra Information

Caveat
Acknowledgements



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates
Buffer: 5.0Km



Summary

Matters of National Environmental Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	5
Listed Threatened Species:	34
Listed Migratory Species:	16

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Land:	1
Commonwealth Heritage Places:	1
Listed Marine Species:	22
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

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

State and Territory Reserves:	2
Regional Forest Agreements:	None
Invasive Species:	38
Nationally Important Wetlands:	1
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar) [Resource Information]

Name	Proximity
Moreton bay	20 - 30km upstream

Listed Threatened Ecological Communities [Resource Information]

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

Name	Status	Type of Presence
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community may occur within area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area
Swamp Tea-tree (Melaleuca irbyana) Forest of South-east Queensland	Critically Endangered	Community likely to occur within area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community may occur within area

Listed Threatened Species [Resource Information]

Name	Status	Type of Presence
Birds		
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour likely to occur within area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat likely to occur within area
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area

Name	Status	Type of Presence
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area
Insects		
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area
Mammals		
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
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
Petauroides volans Greater Glider [254]	Vulnerable	Species or species habitat likely to occur within area
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within 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]	Vulnerable	Species or species habitat known to occur within area
Potorous tridactylus tridactylus Long-nosed Potoroo (SE Mainland) [66645]	Vulnerable	Species or species habitat may occur within area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Plants		
Bosistoa transversa Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area
Cycas ophiolitica [55797]	Endangered	Species or species habitat likely to occur within area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat likely to occur within area
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
Notelaea ipsviciensis Cooneana Olive [81858]	Critically Endangered	Species or species

Name	Status	Type of Presence
		habitat may occur within area
Notelaea lloydii Lloyd's Olive [15002]	Vulnerable	Species or species habitat likely to occur within area
Phaius australis Lesser Swamp-orchid [5872]	Endangered	Species or species habitat likely to occur within area
Plectranthus habrophyllus [64589]	Endangered	Species or species habitat likely to occur within area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat likely to occur within area
Reptiles		
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area
Saiphos reticulatus Three-toed Snake-tooth Skink [88328]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species [Resource Information]

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

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area
Monarcha trivirgatus Spectacled Monarch [610]		Species or species habitat likely to occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area

Name	Threatened	Type of Presence
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [Resource Information]

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name
Defence - GREENBANK TRAINING AREA

Commonwealth Heritage Places [Resource Information]

Name	State	Status
Natural		
Greenbank Military Training Area (part)	QLD	Listed place

Listed Marine Species [Resource Information]

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

Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis Cattle Egret [59542]		Species or species

Name	Threatened	Type of Presence
		habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area
Monarcha trivirgatus Spectacled Monarch [610]		Species or species habitat likely to occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat may occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area

Extra Information

State and Territory Reserves [Resource Information]

Name	State
A and T Koala Billabong	QLD
Koolena	QLD

Invasive Species [Resource Information]

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

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

Name	Status	Type of Presence
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Lepus capensis Brown Hare [127]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus norvegicus Brown Rat, Norway Rat [83]		Species or species habitat likely to occur within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Alternanthera philoxeroides Alligator Weed [11620]		Species or species habitat likely to occur within area
Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]		Species or species habitat likely to occur within area
Cabomba caroliniana Cabomba, Fanwort, Carolina Watershield, Fish Grass, Washington Grass, Watershield, Carolina Fanwort, Common Cabomba [5171]		Species or species habitat likely to occur within area
Chrysanthemoides monilifera Bitou Bush, Boneseed [18983]		Species or species habitat may occur within area
Chrysanthemoides monilifera subsp. rotundata Bitou Bush [16332]		Species or species habitat likely to occur within area
Cryptostegia grandiflora Rubber Vine, Rubbervine, India Rubber Vine, India Rubbervine, Palay Rubbervine, Purple Allamanda [18913]		Species or species habitat likely to occur within area
Eichhornia crassipes Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Genista monspessulana Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom [20126]		Species or species habitat likely to occur within area
Hymenachne amplexicaulis Hymenachne, Olive Hymenachne, Water Stargrass, West Indian Grass, West Indian Marsh Grass [31754]		Species or species habitat likely to occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Parthenium hysterophorus Parthenium Weed, Bitter Weed, Carrot Grass, False Ragweed [19566]		Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and Sterile Pussy Willow [68497]		Species or species habitat likely to occur within area
Salvinia molesta Salvinia, Giant Salvinia, Aquarium Watermoss, Kariba Weed [13665]		Species or species habitat likely to occur within area
Senecio madagascariensis Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area
Solanum elaeagnifolium Silver Nightshade, Silver-leaved Nightshade, White Horse Nettle, Silver-leaf Nightshade, Tomato Weed, White Nightshade, Bull-nettle, Prairie-berry, Satansbos, Silver-leaf Bitter-apple, Silverleaf-nettle, Trompillo [12323]		Species or species habitat likely to occur within area
Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Ramphotyphlops braminus Flowerpot Blind Snake, Brahminy Blind Snake, Cacing Besi [1258]		Species or species habitat likely to occur within area

Nationally Important Wetlands [Resource Information]

Name	State
Greenbank Army Training Area C	QLD

Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

Coordinates

-27.73446 152.98374

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 9

Queensland Government

Wildlife Online Extract

Search Criteria: Species List for a Specified Point
Species: All
Type: All
Status: All
Records: All
Date: All
Latitude: -27.7345
Longitude: 152.9837
Distance: 5
Email: chris@28south.com.au
Date submitted: Tuesday 10 Dec 2019 12:43:27
Date extracted: Tuesday 10 Dec 2019 12:50:02

The number of records retrieved = 388

Disclaimer

As the DSITIA is still in a process of collating and vetting data, it is possible the information given is not complete. The information provided should only be used for the project for which it was requested and it should be appropriately acknowledged as being derived from Wildlife Online when it is used.

The State of Queensland does not invite reliance upon, nor accept responsibility for this information. Persons should satisfy themselves through independent means as to the accuracy and completeness of this information.

No statements, representations or warranties are made about the accuracy or completeness of this information. The State of Queensland disclaims all responsibility for this information and all liability (including without limitation, 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.

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufonidae	*Rhinella marina*	cane toad	Y			18
animals	amphibians	Hylidae	*Litoria nasuta*	striped rocketfrog		C		3
animals	amphibians	Hylidae	*Litoria dentata*	bleating treefrog		C		3
animals	amphibians	Hylidae	*Litoria peronii*	emerald spotted treefrog		C		5
animals	amphibians	Hylidae	*Litoria rubella*	ruddy treefrog		C		6
animals	amphibians	Hylidae	*Litoria wilcoxii*	eastern stony creek frog		C		2
animals	amphibians	Hylidae	*Litoria gracilenta*	graceful treefrog		C		5
animals	amphibians	Hylidae	*Litoria latopalmata*	broad palmed rocketfrog		C		7
animals	amphibians	Hylidae	*Litoria brevipalmata*	green thighed frog		C		1
animals	amphibians	Hylidae	*Litoria fallax*	eastern sedgefrog		C		16
animals	amphibians	Hylidae	*Litoria caerulea*	common green treefrog		C		11
animals	amphibians	Limnodynastidae	*Limnodynastes tasmaniensis*	spotted grassfrog		C		3
animals	amphibians	Limnodynastidae	*Limnodynastes terraereginae*	scarlet sided pobblebonk		C		6
animals	amphibians	Limnodynastidae	*Platyplectrum ornatum*	ornate burrowing frog		C		9
animals	amphibians	Limnodynastidae	*Limnodynastes peronii*	striped marshfrog		C		9
animals	amphibians	Limnodynastidae	*Adelotus brevis*	tusked frog		V		2
animals	amphibians	Myobatrachidae	*Mixophyes fasciolatus*	great barred frog		C		3
animals	amphibians	Myobatrachidae	*Pseudophryne coriacea*	red backed broodfrog		C		3
animals	amphibians	Myobatrachidae	*Crinia parinsignifera*	beeping froglet		C		10
animals	amphibians	Myobatrachidae	*Uperoleia laevigata*	eastern gungan		C		1
animals	amphibians	Myobatrachidae	*Pseudophryne raveni*	copper backed broodfrog		C		2
animals	amphibians	Myobatrachidae	*Uperoleia rugosa*	chubby gungan		C		3
animals	amphibians	Myobatrachidae	*Uperoleia fusca*	dusky gungan		C		2
animals	birds	Acanthizidae	*Smicrornis brevirostris*	weebill		C		7
animals	birds	Acanthizidae	*Acanthiza chrysorrhoa*	yellow-rumped thornbill		C		2
animals	birds	Acanthizidae	*Sericornis frontalis*	white-browed scrubwren		C		11
animals	birds	Acanthizidae	*Gerygone olivacea*	white-throated gerygone		C		10
animals	birds	Acanthizidae	*Acanthiza nana*	yellow thornbill		C		2
animals	birds	Acanthizidae	*Gerygone mouki*	brown gerygone		C		2
animals	birds	Acanthizidae	*Acanthiza lineata*	striated thornbill		C		1
animals	birds	Acanthizidae	*Acanthiza pusilla*	brown thornbill		C		11
animals	birds	Accipitridae	*Accipiter cirrocephalus*	collared sparrowhawk		C		4
animals	birds	Accipitridae	*Accipiter novaehollandiae*	grey goshawk		C		3
animals	birds	Accipitridae	*Haliaeetus leucogaster*	white-bellied sea-eagle		C		1
animals	birds	Accipitridae	*Haliastur sphenurus*	whistling kite		C		8
animals	birds	Accipitridae	*Aquila audax*	wedge-tailed eagle		C		6
animals	birds	Accipitridae	*Elanus axillaris*	black-shouldered kite		C		3
animals	birds	Accipitridae	*Accipiter fasciatus*	brown goshawk		C		2
animals	birds	Accipitridae	*Aviceda subcristata*	Pacific baza		C		34
animals	birds	Acrocephalidae	*Acrocephalus australis*	Australian reed-warbler		C		1
animals	birds	Aegothelidae	*Aegotheles cristatus*	Australian owlet-nightjar		C		3
animals	birds	Alcedinidae	*Ceyx azureus*	azure kingfisher		C		10
animals	birds	Alcedinidae	*Ceyx pusillus*	little kingfisher		C		1
animals	birds	Anatidae	*Aythya australis*	hardhead		C		1
animals	birds	Anatidae	*Dendrocygna arcuata*	wandering whistling-duck		C		1
animals	birds	Anatidae	*Spatula rhynchotis*	Australasian shoveler		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Anatidae	*Dendrocygna eytoni*	plumed whistling-duck		C		2
animals	birds	Anatidae	*Anas platyrhynchos*	northern mallard	Y			2
animals	birds	Anatidae	*Chenonetta jubata*	Australian wood duck		C		60
animals	birds	Anatidae	*Anas superciliosa*	Pacific black duck		C		49
animals	birds	Anatidae	*Cygnus atratus*	black swan		C		2
animals	birds	Anatidae	*Anas gracilis*	grey teal		C		1
animals	birds	Anhingidae	*Anhinga novaehollandiae*	Australasian darter		C		3
animals	birds	Anseranatidae	*Anseranas semipalmata*	magpie goose		C		2
animals	birds	Apodidae	*Apus pacificus*	fork-tailed swift		SL		1
animals	birds	Apodidae	*Hirundapus caudacutus*	white-throated needletail		V	V	5
animals	birds	Ardeidae	*Ixobrychus flavicollis*	black bittern		C		2
animals	birds	Ardeidae	*Ardea alba modesta*	eastern great egret		C		6
animals	birds	Ardeidae	*Ardea intermedia*	intermediate egret		C		5
animals	birds	Ardeidae	*Ardea pacifica*	white-necked heron		C		8
animals	birds	Ardeidae	*Bubulcus ibis*	cattle egret		C		28
animals	birds	Ardeidae	*Nycticorax caledonicus*	nankeen night-heron		C		29
animals	birds	Ardeidae	*Egretta novaehollandiae*	white-faced heron		C		57
animals	birds	Artamidae	*Strepera graculina*	pied currawong		C		66
animals	birds	Artamidae	*Gymnorhina tibicen*	Australian magpie		C		121
animals	birds	Artamidae	*Artamus personatus*	masked woodswallow		C		1
animals	birds	Artamidae	*Cracticus nigrogularis*	pied butcherbird		C		50
animals	birds	Artamidae	*Cracticus sp.*					4
animals	birds	Artamidae	*Cracticus torquatus*	grey butcherbird		C		83
animals	birds	Artamidae	*Artamus leucorynchus*	white-breasted woodswallow		C		2
animals	birds	Cacatuidae	*Cacatua galerita*	sulphur-crested cockatoo		C		67
animals	birds	Cacatuidae	*Cacatua tenuirostris*	long-billed corella	Y	C		1
animals	birds	Cacatuidae	*Cacatua sanguinea*	little corella		C		1
animals	birds	Cacatuidae	*Eolophus roseicapilla*	galah		C		63
animals	birds	Cacatuidae	*Nymphicus hollandicus*	cockatiel		C		1
animals	birds	Cacatuidae	*Calyptorhynchus banksii*	red-tailed black-cockatoo		C		1
animals	birds	Cacatuidae	*Calyptorhynchus lathami lathami*	glossy black-cockatoo (eastern)		V		2
animals	birds	Campephagidae	*Coracina novaehollandiae*	black-faced cuckoo-shrike		C		67
animals	birds	Campephagidae	*Coracina papuensis*	white-bellied cuckoo-shrike		C		2
animals	birds	Campephagidae	*Coracina tenuirostris*	cicadabird		C		6
animals	birds	Campephagidae	*Lalage tricolor*	white-winged triller		C		1
animals	birds	Campephagidae	*Lalage leucomela*	varied triller		C		2
animals	birds	Charadriidae	*Vanellus tricolor*	banded lapwing		C		2
animals	birds	Charadriidae	*Vanellus miles*	masked lapwing		C		2
animals	birds	Charadriidae	*Vanellus miles novaehollandiae*	masked lapwing (southern subspecies)		C		35
animals	birds	Ciconiidae	*Ephippiorhynchus asiaticus*	black-necked stork		C		1
animals	birds	Cisticolidae	*Cisticola exilis*	golden-headed cisticola		C		5
animals	birds	Climacteridae	*Cormobates leucophaea*	white-throated treecreeper		C		1
animals	birds	Climacteridae	*Cormobates leucophaea metastasis*	white-throated treecreeper (southern)		C		10
animals	birds	Columbidae	*Lopholaimus antarcticus*	topknot pigeon		C		1
animals	birds	Columbidae	*Streptopelia chinensis*	spotted dove	Y			14
animals	birds	Columbidae	*Geopelia humeralis*	bar-shouldered dove		C		42

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Columbidae	*Macropygia amboinensis*	brown cuckoo-dove		C		15
animals	birds	Columbidae	*Phaps chalcoptera*	common bronzewing		C		16
animals	birds	Columbidae	*Ocyphaps lophotes*	crested pigeon		C		40
animals	birds	Columbidae	*Geopelia striata*	peaceful dove		C		9
animals	birds	Columbidae	*Columba livia*	rock dove	Y			5
animals	birds	Coraciidae	*Eurystomus orientalis*	dollarbird		C		39
animals	birds	Corvidae	*Corvus orru*	Torresian crow		C		127
animals	birds	Corvidae	*Corvus coronoides*	Australian raven		C		1
animals	birds	Cuculidae	*Eudynamys orientalis*	eastern koel		C		31
animals	birds	Cuculidae	*Cacomantis variolosus*	brush cuckoo		C		17
animals	birds	Cuculidae	*Scythrops novaehollandiae*	channel-billed cuckoo		C		19
animals	birds	Cuculidae	*Cacomantis flabelliformis*	fan-tailed cuckoo		C		11
animals	birds	Cuculidae	*Centropus phasianinus*	pheasant coucal		C		46
animals	birds	Cuculidae	*Cuculus optatus*	oriental cuckoo		SL		1
animals	birds	Cuculidae	*Chalcites lucidus*	shining bronze-cuckoo		C		2
animals	birds	Cuculidae	*Cacomantis pallidus*	pallid cuckoo		C		2
animals	birds	Dicruridae	*Dicrurus bracteatus*	spangled drongo		C		62
animals	birds	Estrildidae	*Neochmia temporalis*	red-browed finch		C		21
animals	birds	Estrildidae	*Taeniopygia bichenovii*	double-barred finch		C		4
animals	birds	Eurostopodidae	*Eurostopodus mystacalis*	white-throated nightjar		C		1
animals	birds	Falconidae	*Falco berigora*	brown falcon		C		4
animals	birds	Falconidae	*Falco longipennis*	Australian hobby		C		2
animals	birds	Falconidae	*Falco cenchroides*	nankeen kestrel		C		8
animals	birds	Falconidae	*Falco hypoleucos*	grey falcon		V		1
animals	birds	Halcyonidae	*Todiramphus macleayii*	forest kingfisher		C		54
animals	birds	Halcyonidae	*Todiramphus sanctus*	sacred kingfisher		C		23
animals	birds	Halcyonidae	*Dacelo novaeguineae*	laughing kookaburra		C		103
animals	birds	Hirundinidae	*Cheramoeca leucosterna*	white-backed swallow		C		3
animals	birds	Hirundinidae	*Petrochelidon ariel*	fairy martin		C		4
animals	birds	Hirundinidae	*Petrochelidon nigricans*	tree martin		C		2
animals	birds	Hirundinidae	*Hirundo neoxena*	welcome swallow		C		39
animals	birds	Jacanidae	*Irediparra gallinacea*	comb-crested jacana		C		1
animals	birds	Maluridae	*Malurus cyaneus*	superb fairy-wren		C		16
animals	birds	Maluridae	*Malurus lamberti*	variegated fairy-wren		C		18
animals	birds	Maluridae	*Malurus melanocephalus*	red-backed fairy-wren		C		21
animals	birds	Megaluridae	*Cincloramphus mathewsi*	rufous songlark		C		1
animals	birds	Megaluridae	*Megalurus timoriensis*	tawny grassbird		C		1
animals	birds	Megapodiidae	*Alectura lathami*	Australian brush-turkey		C		10
animals	birds	Meliphagidae	*Ptilotula fusca*	fuscous honeyeater		C		1
animals	birds	Meliphagidae	*Meliphaga lewinii*	Lewin's honeyeater		C		81
animals	birds	Meliphagidae	*Acanthorhynchus tenuirostris*	eastern spinebill		C		17
animals	birds	Meliphagidae	*Plectorhyncha lanceolata*	striped honeyeater		C		4
animals	birds	Meliphagidae	*Melithreptus albogularis*	white-throated honeyeater		C		29
animals	birds	Meliphagidae	*Myzomela erythrocephala*	red-headed honeyeater		C		1
animals	birds	Meliphagidae	*Anthochaera chrysoptera*	little wattlebird		C		2
animals	birds	Meliphagidae	*Philemon citreogularis*	little friarbird		C		27

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Meliphagidae	*Myzomela sanguinolenta*	scarlet honeyeater		C		82
animals	birds	Meliphagidae	*Caligavis chrysops*	yellow-faced honeyeater		C		62
animals	birds	Meliphagidae	*Entomyzon cyanotis*	blue-faced honeyeater		C		55
animals	birds	Meliphagidae	*Lichmera indistincta*	brown honeyeater		C		14
animals	birds	Meliphagidae	*Philemon corniculatus*	noisy friarbird		C		137
animals	birds	Meliphagidae	*Manorina melanocephala*	noisy miner		C		37
animals	birds	Meropidae	*Merops ornatus*	rainbow bee-eater		C		25
animals	birds	Monarchidae	*Myiagra inquieta*	restless flycatcher		C		1
animals	birds	Monarchidae	*Carterornis leucotis*	white-eared monarch		C		1
animals	birds	Monarchidae	*Monarcha melanopsis*	black-faced monarch		SL		5
animals	birds	Monarchidae	*Grallina cyanoleuca*	magpie-lark		C		65
animals	birds	Monarchidae	*Myiagra cyanoleuca*	satin flycatcher		SL		1
animals	birds	Monarchidae	*Myiagra rubecula*	leaden flycatcher		C		11
animals	birds	Motacillidae	*Anthus novaeseelandiae*	Australasian pipit		C		8
animals	birds	Nectariniidae	*Dicaeum hirundinaceum*	mistletoebird		C		10
animals	birds	Neosittidae	*Daphoenositta chrysoptera*	varied sittella		C		3
animals	birds	Oriolidae	*Sphecotheres vieilloti*	Australasian figbird		C		15
animals	birds	Oriolidae	*Oriolus sagittatus*	olive-backed oriole		C		29
animals	birds	Pachycephalidae	*Colluricincla megarhyncha*	little shrike-thrush		C		3
animals	birds	Pachycephalidae	*Pachycephala rufiventris*	rufous whistler		C		48
animals	birds	Pachycephalidae	*Pachycephala sp.*					1
animals	birds	Pachycephalidae	*Colluricincla harmonica*	grey shrike-thrush		C		64
animals	birds	Pachycephalidae	*Pachycephala pectoralis*	golden whistler		C		40
animals	birds	Pardalotidae	*Pardalotus striatus*	striated pardalote		C		31
animals	birds	Pardalotidae	*Pardalotus punctatus*	spotted pardalote		C		36
animals	birds	Pelecanidae	*Pelecanus conspicillatus*	Australian pelican		C		6
animals	birds	Petroicidae	*Eopsaltria australis*	eastern yellow robin		C		30
animals	birds	Petroicidae	*Tregellasia capito*	pale-yellow robin		C		1
animals	birds	Petroicidae	*Petroica rosea*	rose robin		C		12
animals	birds	Phalacrocoracidae	*Microcarbo melanoleucos*	little pied cormorant		C		21
animals	birds	Phalacrocoracidae	*Phalacrocorax sulcirostris*	little black cormorant		C		9
animals	birds	Phasianidae	*Coturnix ypsilophora*	brown quail		C		8
animals	birds	Podargidae	*Podargus strigoides*	tawny frogmouth		C		29
animals	birds	Podicipedidae	*Tachybaptus novaehollandiae*	Australasian grebe		C		5
animals	birds	Pomatostomidae	*Pomatostomus temporalis*	grey-crowned babbler		C		15
animals	birds	Psittacidae	*Platycercus elegans*	crimson rosella		C		1
animals	birds	Psittacidae	*Parvipsitta pusilla*	little lorikeet		C		12
animals	birds	Psittacidae	*Alisterus scapularis*	Australian king-parrot		C		29
animals	birds	Psittacidae	*Platycercus adscitus*	pale-headed rosella		C		77
animals	birds	Psittacidae	*Aprosmictus erythropterus*	red-winged parrot		C		1
animals	birds	Psittacidae	*Trichoglossus chlorolepidotus*	scaly-breasted lorikeet		C		44
animals	birds	Psittacidae	*Trichoglossus haematodus moluccanus*	rainbow lorikeet		C		89
animals	birds	Psophodidae	*Psophodes olivaceus*	eastern whipbird		C		31
animals	birds	Rallidae	*Gallinula tenebrosa*	dusky moorhen		C		6
animals	birds	Rallidae	*Lewinia pectoralis*	Lewin's rail		C		1
animals	birds	Rallidae	*Porphyrio melanotus*	purple swamphen		C		7

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Recurvirostridae	*Himantopus himantopus*	black-winged stilt		C		1
animals	birds	Rhipiduridae	*Rhipidura leucophrys*	willie wagtail		C		31
animals	birds	Rhipiduridae	*Rhipidura rufifrons*	rufous fantail		SL		12
animals	birds	Rhipiduridae	*Rhipidura albiscapa*	grey fantail		C		72
animals	birds	Rhipiduridae	*Rhipidura leucophrys leucophrys*	willie wagtail (southern)		C		1
animals	birds	Scolopacidae	*Gallinago hardwickii*	Latham's snipe		SL		1
animals	birds	Strigidae	*Ninox boobook*	southern boobook		C		35
animals	birds	Strigidae	*Ninox strenua*	powerful owl		V		5
animals	birds	Sturnidae	*Sturnus vulgaris*	common starling	Y			2
animals	birds	Sturnidae	*Acridotheres tristis*	common myna	Y			6
animals	birds	Threskiornithidae	*Platalea regia*	royal spoonbill		C		20
animals	birds	Threskiornithidae	*Platalea flavipes*	yellow-billed spoonbill		C		24
animals	birds	Threskiornithidae	*Threskiornis molucca*	Australian white ibis		C		19
animals	birds	Threskiornithidae	*Threskiornis spinicollis*	straw-necked ibis		C		34
animals	birds	Timaliidae	*Zosterops lateralis*	silvereye		C		41
animals	insects	Lycaenidae	*Zizina otis labradus*	common grass-blue (Australian subspecies)				1
animals	insects	Nymphalidae	*Euploea corinna*	common crow				2
animals	insects	Nymphalidae	*Danaus plexippus*	monarch	Y			2
animals	insects	Nymphalidae	*Acraea andromacha andromacha*	glasswing				1
animals	insects	Nymphalidae	*Melanitis leda bankia*	evening brown				1
animals	insects	Nymphalidae	*Tirumala hamata hamata*	blue tiger				1
animals	insects	Nymphalidae	*Junonia villida villida*	meadow argus				1
animals	insects	Nymphalidae	*Danaus petilia*	lesser wanderer				1
animals	insects	Nymphalidae	*Vanessa kershawi*	Australian painted lady				1
animals	mammals	Acrobatidae	*Acrobates pygmaeus*	feathertail glider		C		2
animals	mammals	Canidae	*Vulpes vulpes*	red fox	Y			26
animals	mammals	Canidae	*Canis familiaris*	dog	Y			6
animals	mammals	Dasyuridae	*Dasyurus maculatus maculatus*	spotted-tailed quoll (southern subspecies)		V	E	7
animals	mammals	Dasyuridae	*Phascogale tapoatafa tapoatafa*	brush-tailed phascogale		C		5
animals	mammals	Dasyuridae	*Antechinus flavipes sensu lato*	yellow-footed antechinus		C		1
animals	mammals	Dasyuridae	*Sminthopsis murina*	common dunnart		C		2
animals	mammals	Dasyuridae	*Antechinus stuartii*	brown antechinus		C		1
animals	mammals	Dasyuridae	*Antechinus flavipes flavipes*	yellow-footed antechinus (south-east Queensland)		C		6
animals	mammals	Emballonuridae	*Saccolaimus flaviventris*	yellow-bellied sheathtail bat		C		2
animals	mammals	Felidae	*Felis catus*	cat	Y			1
animals	mammals	Leporidae	*Lepus europaeus*	European brown hare	Y			23
animals	mammals	Leporidae	*Oryctolagus cuniculus*	rabbit	Y			3
animals	mammals	Macropodidae	*Macropus parryi*	whiptail wallaby		C		51
animals	mammals	Macropodidae	*Macropus sp.*					1
animals	mammals	Macropodidae	*Macropus agilis*	agile wallaby		C		2
animals	mammals	Macropodidae	*Wallabia bicolor*	swamp wallaby		C		10
animals	mammals	Macropodidae	*Macropus giganteus*	eastern grey kangaroo		C		31
animals	mammals	Macropodidae	*Macropus rufogriseus*	red-necked wallaby		C		29

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	mammals	Molossidae	*Tadarida australis*	white-striped freetail bat		C		5
animals	mammals	Muridae	*Rattus rattus*	black rat	Y			10
animals	mammals	Muridae	*Mus musculus*	house mouse	Y			2
animals	mammals	Muridae	*Pseudomys gracilicaudatus*	eastern chestnut mouse		C		1
animals	mammals	Ornithorhynchidae	*Ornithorhynchus anatinus*	platypus		SL		4
animals	mammals	Peramelidae	*Perameles nasuta*	long-nosed bandicoot		C		1
animals	mammals	Peramelidae	*Isoodon macrourus*	northern brown bandicoot		C		5
animals	mammals	Petauridae	*Petaurus norfolcensis*	squirrel glider		C		7
animals	mammals	Petauridae	*Petaurus breviceps*	sugar glider		C		6
animals	mammals	Petauridae	*Petaurus sp.*					3
animals	mammals	Petauridae	*Petaurus australis australis*	yellow-bellied glider (southern subspecies)		C		2
animals	mammals	Phalangeridae	*Trichosurus sp.*					7
animals	mammals	Phalangeridae	*Trichosurus vulpecula*	common brushtail possum		C		77
animals	mammals	Phalangeridae	*Trichosurus caninus*	short-eared possum		C		1
animals	mammals	Phascolarctidae	*Phascolarctos cinereus*	koala		V	V	194
animals	mammals	Pseudocheiridae	*Pseudocheirus peregrinus*	common ringtail possum		C		12
animals	mammals	Pseudocheiridae	*Petauroides volans volans*	southern greater glider		V	V	3/1
animals	mammals	Pteropodidae	*Pteropus sp.*					2
animals	mammals	Pteropodidae	*Pteropus alecto*	black flying-fox		C		3
animals	mammals	Pteropodidae	*Pteropus poliocephalus*	grey-headed flying-fox		C	V	7
animals	mammals	Pteropodidae	*Pteropus scapulatus*	little red flying-fox		C		4
animals	mammals	Suidae	*Sus scrofa*	pig	Y			1
animals	mammals	Tachyglossidae	*Tachyglossus aculeatus*	short-beaked echidna		SL		2
animals	ray-finned fishes	Eleotridae	*Mogurnda adspersa*	southern purplespotted gudgeon				2
animals	ray-finned fishes	Poeciliidae	*Gambusia holbrooki*	mosquitofish	Y			1
animals	reptiles	Agamidae	*Pogona barbata*	bearded dragon		C		13
animals	reptiles	Agamidae	*Diporiphora australis*	tommy roundhead		C		6
animals	reptiles	Agamidae	*Intellagama lesueurii*	eastern water dragon		C		58
animals	reptiles	Boidae	*Morelia spilota*	carpet python		C		19
animals	reptiles	Chelidae	*Wollumbinia latisternum*	saw-shelled turtle		C		2
animals	reptiles	Chelidae	*Chelodina longicollis*	eastern snake-necked turtle		C		1
animals	reptiles	Chelidae	*Emydura macquarii macquarii*	Murray turtle		C		1
animals	reptiles	Chelidae	*Chelodina sp.*					1
animals	reptiles	Colubridae	*Tropidonophis mairii*	freshwater snake		C		5
animals	reptiles	Colubridae	*Dendrelaphis punctulatus*	green tree snake		C		34
animals	reptiles	Diplodactylidae	*Amalosia jacovae*	clouded gecko		C		1
animals	reptiles	Elapidae	*Pseudonaja textilis*	eastern brown snake		C		2
animals	reptiles	Elapidae	*Vermicella annulata*	bandy-bandy		C		2
animals	reptiles	Elapidae	*Cacophis squamulosus*	golden crowned snake		C		2
animals	reptiles	Elapidae	*Cryptophis nigrescens*	eastern small-eyed snake		C		6
animals	reptiles	Elapidae	*Brachyurophis australis*	coral snake		C		2
animals	reptiles	Elapidae	*Pseudechis porphyriacus*	red-bellied black snake		C		8
animals	reptiles	Elapidae	*Pseudechis guttatus*	spotted black snake		C		1
animals	reptiles	Elapidae	*Demansia sp.*					1
animals	reptiles	Elapidae	*Cacophis harriettae*	white-crowned snake		C		2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	reptiles	Elapidae	*Demansia psammophis*	yellow-faced whipsnake		C		5
animals	reptiles	Elapidae	*Furina diadema*	red-naped snake		C		1
animals	reptiles	Gekkonidae	*Gehyra dubia*	dubious dtella		C		3
animals	reptiles	Gekkonidae	*Hemidactylus frenatus*	house gecko	Y			5
animals	reptiles	Pygopodidae	*Lialis burtonis*	Burton's legless lizard		C		3
animals	reptiles	Scincidae	*Lampropholis amicula*	friendly sunskink		C		1
animals	reptiles	Scincidae	*Anomalopus verreauxii*	three-clawed worm-skink		C		4
animals	reptiles	Scincidae	*Lampropholis delicata*	dark-flecked garden sunskink		C		9
animals	reptiles	Scincidae	*Calyptotis scutirostrum*	scute-snouted calyptotis		C		2
animals	reptiles	Scincidae	*Cryptoblepharus pulcher pulcher*	elegant snake-eyed skink		C		7
animals	reptiles	Scincidae	*Eulamprus quoyii*	eastern water skink		C		3
animals	reptiles	Scincidae	*Ctenotus sp.*					1
animals	reptiles	Scincidae	*Ctenotus taeniolatus*	copper-tailed skink		C		1
animals	reptiles	Scincidae	*Carlia pectoralis*	open-litter rainbow skink		C		1
animals	reptiles	Scincidae	*Tiliqua scincoides*	eastern blue-tongued lizard		C		6
animals	reptiles	Scincidae	*Lygisaurus foliorum*	tree-base litter-skink		C		2
animals	reptiles	Scincidae	*Ctenotus spaldingi*	straight-browed ctenotus		C		1
animals	reptiles	Scincidae	*Carlia vivax*	tussock rainbow-skink		C		6
animals	reptiles	Typhlopidae	*Anilios proximus*	proximus blind snake		C		1
animals	reptiles	Varanidae	*Varanus varius*	lace monitor		C		8
animals	reptiles	Varanidae	*Varanus gouldii*	sand monitor		C		1
animals	uncertain	Indeterminate	*Indeterminate*	Unknown or Code Pending		C		1
fungi	Agaricomycetes	Hyphodermataceae	*Hyphoderma setigerum*			C		1/1
fungi	Agaricomycetes	Meripilaceae	*Antrodia*					1/1
fungi	lecanoromycetes	Acarosporaceae	*Acarospora citrina*			C		1/1
fungi	lecanoromycetes	Caliciaceae	*Dirinaria flava*			C		1/1
fungi	lecanoromycetes	Candelariaceae	*Candelariella aurella*			C		1/1
fungi	lecanoromycetes	Cladoniaceae	*Ramalinora glaucolivida*			C		1/1
fungi	lecanoromycetes	Cladoniaceae	*Thysanothecium scutellatum*			C		1/1
fungi	lecanoromycetes	Lecanoraceae	*Lecanora*					1/1
fungi	lecanoromycetes	Lecanoraceae	*Lecanora oreinoides*			C		1/1
fungi	lecanoromycetes	Lecideaceae	*Paraporpidia glauca*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Parmotrema subsumptum*			C		1/1
fungi	lecanoromycetes	Pertusariaceae	*Pertusaria xanthoplaca*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Rinodina moziana*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca*					1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca crenulatella*			C		2/2
plants	land plants	Acanthaceae	*Thunbergia alata*	black-eyed Susan	Y			1/1
plants	land plants	Amaranthaceae	*Alternanthera brasiliana*		Y			1/1
plants	land plants	Araliaceae	*Trachymene incisa subsp. incisa*			C		1/1
plants	land plants	Asteraceae	*Erigeron pusillus*		Y			1/1
plants	land plants	Asteraceae	*Eclipta platyglossa subsp. platyglossa*			C		1/1
plants	land plants	Asteraceae	*Chrysocephalum apiculatum*	yellow buttons		C		1
plants	land plants	Asteraceae	*Euryops chrysanthemoides*		Y			1/1
plants	land plants	Asteraceae	*Ozothamnus diosmifolius*	white dogwood		C		1
plants	land plants	Asteraceae	*Lagenophora gracilis*			C		1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Bignoniaceae	*Campsis radicans*		Y			1/1
plants	land plants	Caesalpiniaceae	*Chamaecrista rotundifolia var. rotundifolia*		Y			1
plants	land plants	Campanulaceae	*Lobelia quadrangularis*			C		2/1
plants	land plants	Campanulaceae	*Lobelia stenophylla*			C		1/1
plants	land plants	Casuarinaceae	*Allocasuarina littoralis*			C		1
plants	land plants	Cyperaceae	*Cyperus haspan subsp. haspan*			C		1/1
plants	land plants	Cyperaceae	*Rhynchospora corymbosa*			C		1/1
plants	land plants	Cyperaceae	*Abildgaardia vaginata*			C		1/1
plants	land plants	Cyperaceae	*Scleria tricuspidata*			C		1/1
plants	land plants	Cyperaceae	*Cyperus laevis*			C		1/1
plants	land plants	Cyperaceae	*Scleria rugosa*			C		1/1
plants	land plants	Cyperaceae	*Cyperus pilosus*			C		1/1
plants	land plants	Cyperaceae	*Cyperus bowmanni*			C		1/1
plants	land plants	Cyperaceae	*Cyperus rotundus*	nutgrass	Y			1
plants	land plants	Cyperaceae	*Cyperus aquatilis*			C		1/1
plants	land plants	Cyperaceae	*Cyperus cyperoides*			C		1/1
plants	land plants	Cyperaceae	*Fimbristylis tristachya*			C		1/1
plants	land plants	Cyperaceae	*Cyperus leiocaulon*			C		1/1
plants	land plants	Dilleniaceae	*Hibbertia vestita*			C		1/1
plants	land plants	Droseraceae	*Drosera*					1
plants	land plants	Droseraceae	*Drosera spatulata*			C		1
plants	land plants	Fabaceae	*Hardenbergia violacea*			C		1
plants	land plants	Fabaceae	*Daviesia villifera*	prickly daviesia		C		1
plants	land plants	Fabaceae	*Erythrina crista-galli*		Y			2/2
plants	land plants	Fabaceae	*Glycine clandestina*			C		1
plants	land plants	Fabaceae	*Jacksonia scoparia*			C		1
plants	land plants	Goodeniaceae	*Velleia spathulata*	wild pansies		C		1
plants	land plants	Goodeniaceae	*Goodenia rotundifolia*			C		1
plants	land plants	Hemerocallidaceae	*Dianella longifolia*			C		1
plants	land plants	Hypoxidaceae	*Hypoxis pratensis var. pratensis*			C		1/1
plants	land plants	Iridaceae	*Patersonia sericea*			C		1
plants	land plants	Juncaceae	*Juncus prismatocarpus*	branching rush		C		1/1
plants	land plants	Lamiaceae	*Coleus habrophyllus*			E	E	1/1
plants	land plants	Laxmanniaceae	*Lomandra multiflora*			C		1
plants	land plants	Laxmanniaceae	*Lomandra longifolia*			C		1
plants	land plants	Laxmanniaceae	*Lomandra filiformis*			C		1
plants	land plants	Loganiaceae	*Mitrasacme alsinoides*			C		1/1
plants	land plants	Loganiaceae	*Mitrasacme paludosa*			C		1/1
plants	land plants	Menyanthaceae	*Nymphoides geminata*			C		1/1
plants	land plants	Mimosaceae	*Acacia concurrens*			C		1
plants	land plants	Myrsinaceae	*Myrsine howittiana*			C		1/1
plants	land plants	Myrtaceae	*Leptospermum polygalifolium*	tantoon		C		2/2
plants	land plants	Myrtaceae	*Melaleuca decora*			C		1/1
plants	land plants	Myrtaceae	*Eucalyptus tereticornis*			C		1
plants	land plants	Myrtaceae	*Corymbia tessellaris*	Moreton Bay ash		C		1
plants	land plants	Myrtaceae	*Eucalyptus propinqua*	small-fruited grey gum		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Myrtaceae	*Lophostemon suaveolens*	swamp box		C		1
plants	land plants	Myrtaceae	*Melaleuca irbyana*			E		2/2
plants	land plants	Orchidaceae	*Cymbidium canaliculatum*			C		1
plants	land plants	Orchidaceae	*Pterostylis nutans*			C		1/1
plants	land plants	Philydraceae	*Philydrum lanuginosum*	frogsmouth		C		1
plants	land plants	Phytolaccaceae	*Phytolacca*					1/1
plants	land plants	Picrodendraceae	*Petalostigma pubescens*	quinine tree		C		1
plants	land plants	Poaceae	*Eragrostis paniciformis*		Y			1/1
plants	land plants	Poaceae	*Cenchrus purpurascens*			C		1
plants	land plants	Poaceae	*Eragrostis bahiensis*		Y			1/1
plants	land plants	Poaceae	*Themeda triandra*	kangaroo grass		C		1
plants	land plants	Poaceae	*Urochloa foliosa*			C		1/1
plants	land plants	Poaceae	*Sporobolus fertilis*	giant Parramatta grass	Y			1/1
plants	land plants	Poaceae	*Setaria pumila subsp. subtesselata*		Y			1/1
plants	land plants	Polygalaceae	*Polygala paniculata*		Y			1/1
plants	land plants	Proteaceae	*Grevillea banksii*			C		1
plants	land plants	Rhamnaceae	*Alphitonia excelsa*	soap tree		C		1
plants	land plants	Rubiaceae	*Richardia brasiliensis*	white eye	Y			2/2
plants	land plants	Rutaceae	*Acronychia imperforata*	beach acronychia		C		2/2
plants	land plants	Rutaceae	*Severinia buxifolia*		Y			1/1
plants	land plants	Solanaceae	*Solanum torvum*	devil's fig	Y			1/1
plants	land plants	Stylidiaceae	*Stylidium debile*	frail trigger plant		C		1/1
plants	land plants	Thymelaeaceae	*Pimelea linifolia*			C		1
plants	land plants	Viscaceae	*Notothixos incanus*			C		1/1

CODES

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

Q - Indicates the Queensland conservation status of each taxon under the *Nature Conservation Act 1992.* The codes are Extinct in the Wild (PE), Endangered (E), Vulnerable (V), Near Threatened (NT), Least Concern (C) or Not Protected ( ).

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

Records – The first number indicates the total number of records of the taxon for the record option selected (i.e. All, Confirmed or Specimens).
This number is output as 99999 if it equals or exceeds this value. The second number located after the / indicates the number of specimen records for the taxon.
This number is output as 999 if it equals or exceeds this value.

28ºS ENVIRONMENTAL

ATTACHMENT 10

Department of Natural Resources, Mines and Energy



Vegetation management report

For Lot: 10 Plan: RP184067

Current as at 10/12/2019

Queensland Government

This publication has been compiled by Operations Support, Department of Natural Resources, Mines and Energy.

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Recent changes

Updated mapping

The Regulated Vegetation Management Map and Supporting Map was updated in June 2019 to reflect the most up to date information available in relation to regional ecosystems, essential habitat and wetland mapping (Version 11).

Overview

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

- *Vegetation management framework* - an explanation of the application of the framework.
- *Property details* - information about the specified Lot on Plan, lot size, local government area, bioregion(s), subregion(s), catchment(s), coastal or non coastal status, and any applicable area management plans associated with your property.
- *Vegetation management details for the specified Lot on Plan* - specific information about your property including vegetation categories, regional ecosystems, watercourses, wetlands, essential habitat, and protected plants.
- *Contact information.*
- *Maps* - a series of colour maps to assist in identifying regulated vegetation on your property.
- *Other legislation contact information.*

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.

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 Queensland's Protected Plants framework or the Commonwealth Government's *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Section 6 of this guide provides contact details of other agencies you should confirm requirements with, before commencing vegetation clearing.

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1. Vegetation management framework

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.

1.1 Exempt clearing work

Exempt clearing work is an activity for which you do not need to notify DNRME or obtain an approval 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 5.1), 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 approval under the vegetation management framework. For all other land tenures, contact DNRME 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/vegetation/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 DNRME prior to clearing in any of these areas.

1.2 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/vegetation/codes/

If you intend to clear vegetation under an accepted development vegetation clearing code, you must notify DNRME 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/

1.3 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.

AMPs for fodder harvesting, managing thickened vegetation and managing encroachment will continue until March 2020. New notifications cannot be made for these AMPs.

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 2.2 of this report. Before clearing under one of these AMPs, you must first notify the DNRME and then follow the conditions and requirements listed in the AMP.
https://www.qld.gov.au/environment/land/vegetation/area-plans/

1.4 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/development

2. Property details

2.1 Tenure

All of the lot, plan and tenure information associated with property Lot: 10 Plan: RP184067, including links to relevant Smart Maps, are listed in Table 1. The tenure of the property (whether it is freehold, leasehold, or other) may be viewed by clicking on the Smart Map link(s) provided.

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

Lot	Plan	Tenure	Link to property on SmartMap
10	RP184067	Freehold	https://apps.information.qld.gov.au/data/cadastre/GenerateSmartMap?q=10\RP184067

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.

2.2 Property location

Table 2 provides a summary of the locations for property Lot: 10 Plan: RP184067, 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
Brisbane

Area Management Plan(s)

Nil

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

Coastal

*See also Map 5.4

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

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

No Class A

No Class B

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

See section 5 to identify the location and extent of Class A and/or Class B Agricultural land on Lot: 10 Plan: RP184067.

3. Vegetation management details for Lot: 10 Plan: RP184067

3.1 Vegetation categories

Vegetation categories are shown on the regulated vegetation management map in section 5.1 of this report. A summary of vegetation categories on the subject lot are listed in Table 3. Descriptions for these categories are shown in Table 4.

Table 3: Vegetation categories for subject property. Total area: 2.0ha

Vegetation category	Area (ha)
Category B	1.1
Category X	0.9

Table 4

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 DNRME 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 DNRME 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)

This report does not confirm if a Property Map of Assessable Vegetation (PMAV) exists on a lot. To confirm whether or not a PMAV exists on a lot, please check the PMAV layer on the Queensland Globe2, or contact DNRME on 135VEG (135 834).

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 5.2 and are listed in Table 5.

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

Table 5: Regional ecosystems present on subject property

Regional Ecosystem	VMA Status	Category	Area (Ha)	Short Description	Structure Category
12.9-10.12	Endangered	B	0.90	Eucalyptus seeana, Corymbia intermedia, Angophora leiocarpa woodland on sedimentary rocks	Sparse
12.9-10.2	Least concern	B	0.23	Corymbia citriodora subsp. variegata +/- Eucalyptus crebra open forest on sedimentary rocks	Mid-dense
non-rem	None	X	0.87	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 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 5.2.

3.4 Wetlands

There are no vegetation management wetlands present on this property.

3.5 Essential habitat

Protected wildlife is native wildlife prescribed under the *Nature Conservation Act 1992* (NCA), and includes 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 5.2.

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 as assessable vegetation -

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

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

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

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

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

Label	Scientific Name	Common Name	NCA Status	Vegetation Community	Altitude	Soils	Position in Landscape
860	Phascolarctos cinereus	koala	V	SEQ: Open eucalypt forest and woodland that has: a) multiple strata layers containing Eucalyptus, Corymbia, Angophora, Lophostemon or Melaleuca trees that-at 1.3 metres above the ground-have a diameter both greater and less than 30 centimetres; and b) at least 1 of the following species: Eucalyptus tereticornis, E. fibrosa, E. propinqua; E. umbra, E. grandis, E. microcorys, E. tindaliae, E. resinifera, E. populnea, E. robusta, E. nigra, E. racemosa, E. crebra, E. exserta, E. seeana, Lophostemon confertus, L. suaveolens, Melaleuca quinquenervia. Outside SEQ: Open eucalypt forest and woodland that contains Eucalyptus &/or Corymbia spp. Tree species used for food varies across State and can include Eucalyptus tereticornis, E. camaldulensis, E. coolabah; E. drepanophylla, E. platyphylla, E. orgadophilla, E. thozetiana, E. melanophloia, E. populnea, E. melliodora, E. dealbata, E. microtheca, E. crebra, E. exserta, E. blakelyi, E. papuana, Corymbia tessellaris, C. citriodora, Melaleuca quinquenervia, M. leucadendra.	Sea level to 1000m.	None	Riparian areas, plains and hill/escarpment slopes.
706	Adelotus brevis	tusked frog	V	In cavities, under debris (logs, stones) in subtropical vine forest, tall open moist forest, heaths, Melaleuca swamp and pasturelands near puddles and streams.	Sea level to 1000m.	None	None
803	Dasyurus maculatus maculatus	spotted-tailed quoll (southern subsp.)	V	Rainforest, wet and dry structurally complex sclerophyll forest (e.g. Eucalyptus andrewsii, E. saligna, E. tereticornis & Corymbia intermedia) on productive soils (gullies & flats) and in rocky areas (ridges), also open woodland (E. alba, E. melliodora, Callitris glaucophylla), coastal heathland (adjacent to forest) and riparian forest. Dens in caves, rock crevices and hollow logs.	Sea level to 1000m.	None	None

Label	Regional Ecosystem (mandatory unless otherwise specified)
860	SEQ: 11.3.2, 11.3.4, 11.3.25, 11.3.26, 11.8.2, 11.8.4, 11.8.5, 11.8.8, 11.9.9, 12.2.5, 12.2.6, 12.2.7, 12.2.8, 12.2.10, 12.3.2, 12.3.3, 12.3.4, 12.3.5, 12.3.6, 12.3.7, 12.3.9, 12.3.10, 12.3.11, 12.3.14, 12.3.18, 12.3.19, 12.3.20, 12.5.1, 12.5.2, 12.5.3, 12.5.4, 12.5.6, 12.5.7, 12.5.10, 12.5.12, 12.8.1, 12.8.8, 12.8.9, 12.8.11, 12.8.12, 12.8.14, 12.8.16, 12.8.17, 12.8.20, 12.8.24, 12.8.25, 12.9-10.1, 12.9-10.2, 12.9-10.3, 12.9-10.4, 12.9-10.5, 12.9-10.7, 12.9-10.8, 12.9-10.11, 12.9-10.12, 12.9-10.14, 12.9-10.17, 12.9-10.18, 12.9-10.19, 12.9-10.21, 12.9-10.25, 12.9-10.26, 12.9-10.27, 12.9-10.28, 12.9-10.29, 12.11.2, 12.11.3, 12.11.5, 12.11.6, 12.11.7, 12.11.8, 12.11.9, 12.11.14, 12.11.15, 12.11.16, 12.11.17, 12.11.18, 12.11.22, 12.11.23, 12.11.24, 12.11.25, 12.11.26, 12.11.27, 12.11.28, 12.12.2, 12.12.3, 12.12.5, 12.12.6, 12.12.7, 12.12.8, 12.12.9, 12.12.11, 12.12.12, 12.12.14, 12.12.15, 12.12.23, 12.12.24, 12.12.25, 12.12.28. Outside SEQ: 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.8, 4.3.10, 4.3.11, 4.4.1, 4.5.3, 4.5.5, 4.5.6, 4.5.8, 4.5.9, 4.7.1, 4.7.7, 4.7.8, 4.9.6, 4.9.10, 4.9.12, 4.9.17, 6.3.1, 6.3.2, 6.3.3, 6.3.4, 6.3.5, 6.3.7, 6.3.8, 6.3.9, 6.3.11, 6.3.12, 6.3.17, 6.3.18, 6.3.22, 6.3.24, 6.3.25, 6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.5.1, 6.5.2, 6.5.3, 6.5.5, 6.5.6, 6.5.7, 6.5.8, 6.5.9, 6.5.10, 6.5.11, 6.5.13, 6.5.14, 6.5.15, 6.5.16, 6.5.17, 6.5.18, 6.5.19, 6.6.2, 6.7.1, 6.7.2, 6.7.5, 6.7.6, 6.7.7, 6.7.9, 6.7.11, 6.7.12, 6.7.13, 6.7.14, 6.7.17, 6.9.3, 7.2.3, 7.2.4, 7.2.7, 7.2.11, 7.3.7, 7.3.8, 7.3.9, 7.3.12, 7.3.13, 7.3.14, 7.3.16, 7.3.19, 7.3.20, 7.3.21, 7.3.25, 7.3.26, 7.3.39, 7.3.40, 7.3.42, 7.3.43, 7.3.44, 7.3.45, 7.3.47, 7.3.48, 7.3.50, 7.5.1, 7.5.2, 7.5.3, 7.5.4, 7.8.7, 7.8.8, 7.8.10, 7.8.15, 7.8.16, 7.8.17, 7.8.18, 7.8.19, 7.11.5, 7.11.6, 7.11.13, 7.11.14, 7.11.16, 7.11.18, 7.11.19, 7.11.20, 7.11.21, 7.11.31, 7.11.32, 7.11.33, 7.11.34, 7.11.35, 7.11.37, 7.11.41, 7.11.42, 7.11.43, 7.11.44, 7.11.45, 7.11.46, 7.11.47, 7.11.48, 7.11.49, 7.11.50, 7.11.51, 7.12.4, 7.12.5, 7.12.17, 7.12.21, 7.12.22, 7.12.23, 7.12.24, 7.12.25, 7.12.26, 7.12.27, 7.12.28, 7.12.29, 7.12.30, 7.12.33, 7.12.34, 7.12.35, 7.12.51, 7.12.52, 7.12.53, 7.12.54, 7.12.55, 7.12.56, 7.12.57, 7.12.58, 7.12.59, 7.12.60, 7.12.61, 7.12.62, 7.12.63, 7.12.65, 7.12.66, 7.12.69, 8.1.5, 8.2.3, 8.2.6, 8.2.7, 8.2.8, 8.2.11, 8.2.12, 8.2.13, 8.2.14, 8.3.1, 8.3.2, 8.3.3, 8.3.5, 8.3.6, 8.3.8, 8.3.10, 8.3.11, 8.3.13, 8.5.1, 8.5.2, 8.5.3, 8.5.5, 8.5.6, 8.5.7, 8.9.1, 8.10.1, 8.11.1, 8.11.3, 8.11.4, 8.11.5, 8.11.6, 8.11.8, 8.11.10, 8.11.12, 8.12.4, 8.12.5, 8.12.6, 8.12.7, 8.12.8, 8.12.9, 8.12.12, 8.12.14, 8.12.20, 8.12.22, 8.12.23, 8.12.25, 8.12.26, 8.12.27, 8.12.28, 8.12.29, 8.12.31, 8.12.32, 9.3.1, 9.3.2, 9.3.3, 9.3.4, 9.3.5, 9.3.6, 9.3.7, 9.3.8, 9.3.10, 9.3.11, 9.3.13, 9.3.14, 9.3.15, 9.3.16, 9.3.17, 9.3.19, 9.3.20, 9.3.21, 9.3.22, 9.3.27, 9.4.1, 9.4.2, 9.4.3, 9.5.1, 9.5.3, 9.5.4, 9.5.5, 9.5.6, 9.5.7, 9.5.8, 9.5.9, 9.5.10, 9.5.11, 9.5.12, 9.5.15, 9.5.16, 9.5.17, 9.7.1, 9.7.2, 9.7.3, 9.7.4, 9.7.5, 9.7.6, 9.8.1, 9.8.2, 9.8.3, 9.8.4, 9.8.5, 9.8.9, 9.8.10, 9.8.11, 9.8.13, 9.10.1, 9.10.3, 9.10.4, 9.10.5, 9.10.7, 9.10.8, 9.11.1, 9.11.2, 9.11.3, 9.11.4, 9.11.5, 9.11.7, 9.11.10, 9.11.12, 9.11.13, 9.11.14, 9.11.15, 9.11.16, 9.11.17, 9.11.18, 9.11.19, 9.11.20, 9.11.21, 9.11.22, 9.11.23, 9.11.24, 9.11.25, 9.11.26, 9.11.28, 9.11.29, 9.11.30, 9.11.31, 9.11.32, 9.12.1, 9.12.2, 9.12.3, 9.12.4, 9.12.5, 9.12.6, 9.12.7, 9.12.10, 9.12.11, 9.12.12, 9.12.13, 9.12.14, 9.12.15, 9.12.16, 9.12.17, 9.12.18, 9.12.19, 9.12.20, 9.12.21, 9.12.22, 9.12.23, 9.12.24, 9.12.25, 9.12.26, 9.12.27, 9.12.28, 9.12.29, 9.12.30, 9.12.31, 9.12.32, 9.12.33, 9.12.35, 9.12.36, 9.12.37, 9.12.38, 9.12.39, 9.12.44, 10.3.2, 10.3.3, 10.3.5, 10.3.6, 10.3.9, 10.3.10, 10.3.11, 10.3.12, 10.3.13, 10.3.14, 10.3.15, 10.3.17, 10.3.20, 10.3.27, 10.3.28, 10.4.3, 10.4.9, 10.5.1, 10.5.2, 10.5.4, 10.5.5, 10.5.7, 10.5.8, 10.5.9, 10.5.10, 10.5.11, 10.5.12, 10.7.1, 10.7.2, 10.7.3, 10.7.4, 10.7.5, 10.7.9, 10.7.10, 10.7.11, 10.7.12, 10.9.2, 10.9.3, 10.9.5, 10.10.1, 10.10.3, 10.10.4, 10.10.5, 10.10.7, 11.2.1, 11.2.5, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.5, 11.3.6, 11.3.7, 11.3.9, 11.3.10, 11.3.12, 11.3.13, 11.3.14, 11.3.15, 11.3.16, 11.3.17, 11.3.18, 11.3.19, 11.3.21, 11.3.23, 11.3.25, 11.3.26, 11.3.27, 11.3.28, 11.3.29, 11.3.30, 11.3.32, 11.3.33, 11.3.35, 11.3.36, 11.3.37, 11.3.38, 11.3.39, 11.4.2, 11.4.3, 11.4.7, 11.4.8, 11.4.9, 11.4.10, 11.4.12, 11.4.13, 11.5.1, 11.5.2, 11.5.3, 11.5.4, 11.5.5, 11.5.7, 11.5.8, 11.5.9, 11.5.12, 11.5.13, 11.5.14, 11.5.17, 11.5.18, 11.5.20, 11.5.21, 11.7.1, 11.7.2, 11.7.3, 11.7.4, 11.7.6, 11.7.7, 11.8.1, 11.8.2, 11.8.4, 11.8.5, 11.8.8, 11.8.11, 11.8.12, 11.8.14, 11.8.15, 11.9.1, 11.9.2, 11.9.3, 11.9.5, 11.9.6, 11.9.7, 11.9.9, 11.9.10, 11.9.11, 11.9.13, 11.9.14, 11.10.1, 11.10.2, 11.10.3, 11.10.4, 11.10.5, 11.10.6, 11.10.7, 11.10.9, 11.10.11, 11.10.12, 11.10.13, 11.11.1, 11.11.2, 11.11.3, 11.11.4, 11.11.6, 11.11.7, 11.11.8, 11.11.9, 11.11.10, 11.11.11, 11.11.12, 11.11.13, 11.11.14, 11.11.15, 11.11.16, 11.11.17, 11.11.19, 11.11.20, 11.12.1, 11.12.2, 11.12.3, 11.12.5, 11.12.6, 11.12.7, 11.12.8, 11.12.9, 11.12.10, 11.12.13, 11.12.14, 11.12.15, 11.12.16, 11.12.17, 11.12.19, 11.12.20, 13.3.1, 13.3.2, 13.3.3, 13.3.4, 13.3.5, 13.3.7, 13.9.2, 13.11.1, 13.11.2, 13.11.3, 13.11.4, 13.11.5, 13.11.6, 13.11.8, 13.11.9, 13.12.1, 13.12.2, 13.12.3, 13.12.4, 13.12.5, 13.12.6, 13.12.8, 13.12.9, 13.12.10.
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3.6 Protected plants (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), with clearing of protected plants in the wild regulated by the Nature Conservation (Wildlife Management) Regulation 2006. These requirements apply irrespective of the classification of the vegetation under the *Vegetation Management Act 1999*.

Prior to clearing, if the plants proposed to be cleared are in the wild (see Operational policy: When a protected plant in Queensland is considered to be 'in the wild') and the exemptions under the Nature Conservation (Wildlife Management) Regulation 2006 are not applicable to the proposed clearing, you must check the flora survey trigger map to determine if any part of the area to be cleared is within a high risk area. The trigger map for this property is provided in section 5.6. The exemptions relate to:

- imminent risk of death or serious injury (refer s261A)
- imminent risk of serious damage to a building or other structure on land, or to personal property (refer s261B)
- *Fire and Emergency Service Act 1990* (refer 261C)
- previously cleared areas (refer s261ZB)
- maintenance activities (refer s261ZC)
- firebreak or fire management line (refer s261ZD)
- accepted development vegetation clearing code (refer s261ZE)
- conservation purposes (refer s261ZG)
- authorised in particular circumstances (refer s385).

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

If the proposed area to be cleared is shown as high risk on the flora survey trigger map, a flora survey of the clearing impact area must be undertaken in accordance with the flora survey guidelines. The main objective of a flora survey is to locate any endangered, vulnerable or near threatened plants (EVNT plants) that may be present in the clearing impact area.

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

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

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

Further information on protected plants is available at
http://www.ehp.qld.gov.au/licences-permits/plants-animals/protected-plants/

For assistance on the protected plants flora survey trigger map for this property, please contact the Department of Environment and Science at palm@des.qld.gov.au.

3.7 Emissions Reduction Fund (ERF)

The ERF is an Australian Government scheme which offers incentives for businesses and communities across the economy to reduce emissions.

Under the ERF, landholders can earn money from activities such as planting (and keeping) trees, managing regrowth vegetation and adopting more sustainable agricultural practices.

The purpose of a project is to remove greenhouse gases from the atmosphere. Each project will provide new economic opportunities for farmers, forest growers and land managers.

Further information on ERF is available at https://www.qld.gov.au/environment/land/state/use/carbon-rights/.

4. Contact information for DNRME

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

For contact details for other State and Commonwealth agencies, please see Section 6.

5. Maps

Maps included in this report may also be requested individually at:

https://www.dnrme.qld.gov.au/qld/environment/land/vegetation/vegetation-map-request-form
and
http://www.ehp.qld.gov.au/licences-permits/plants-animals/protected-plants/map-request.php

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.

Pre-clear map

The vegetation management pre-clear regional ecosystem mapping shows the regional ecosystem, location and extent which is likely to have occurred at that location prior to clearing. This map can be used for identifying exchange areas under the "Managing regulated regrowth vegetation" accepted development vegetation clearing code. It may also be used for for identifying offsets under the vegetation management framework.

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 the State Development Assessment Provisions (SDAP).

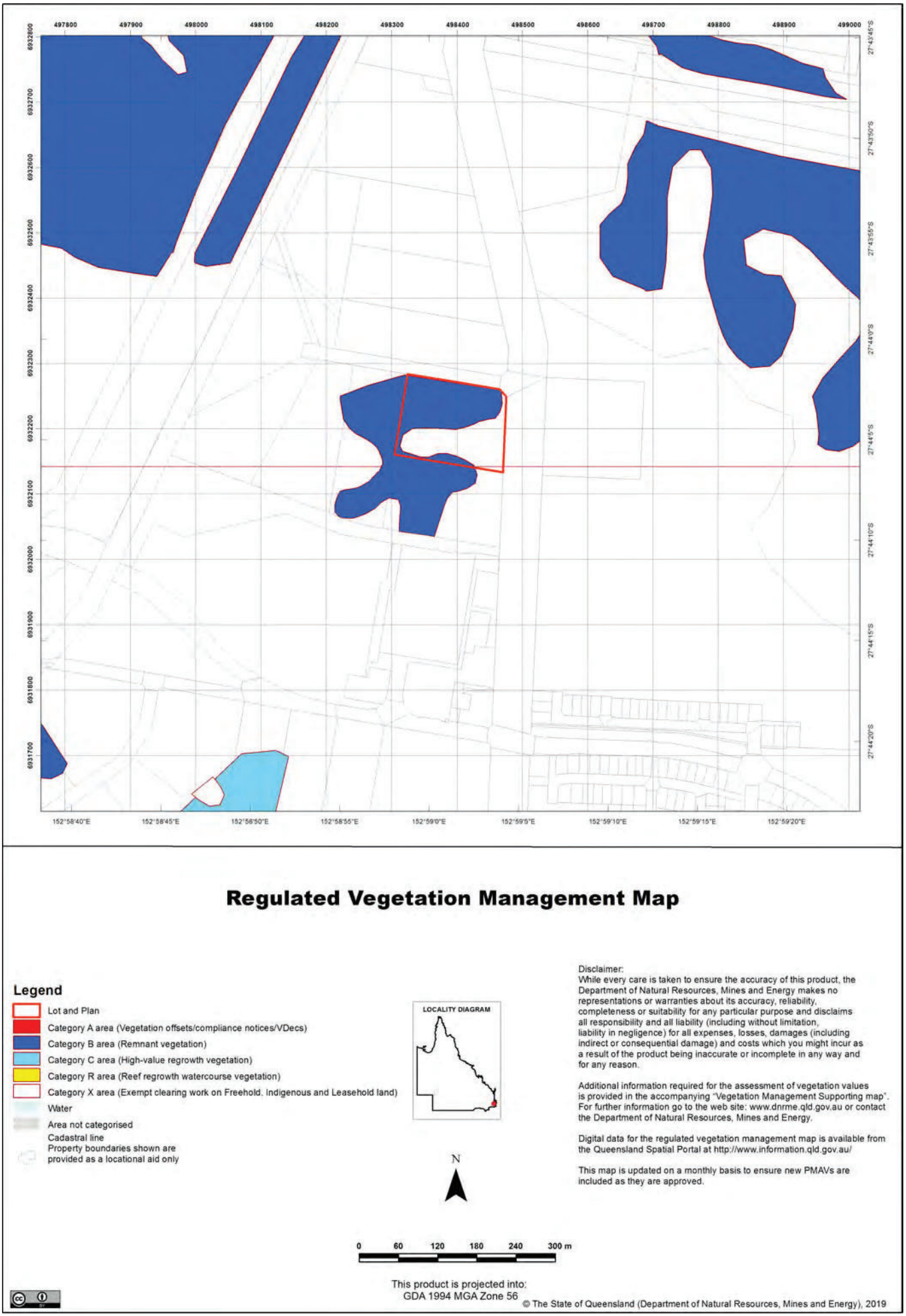
Agricultural Land Class A or B

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.

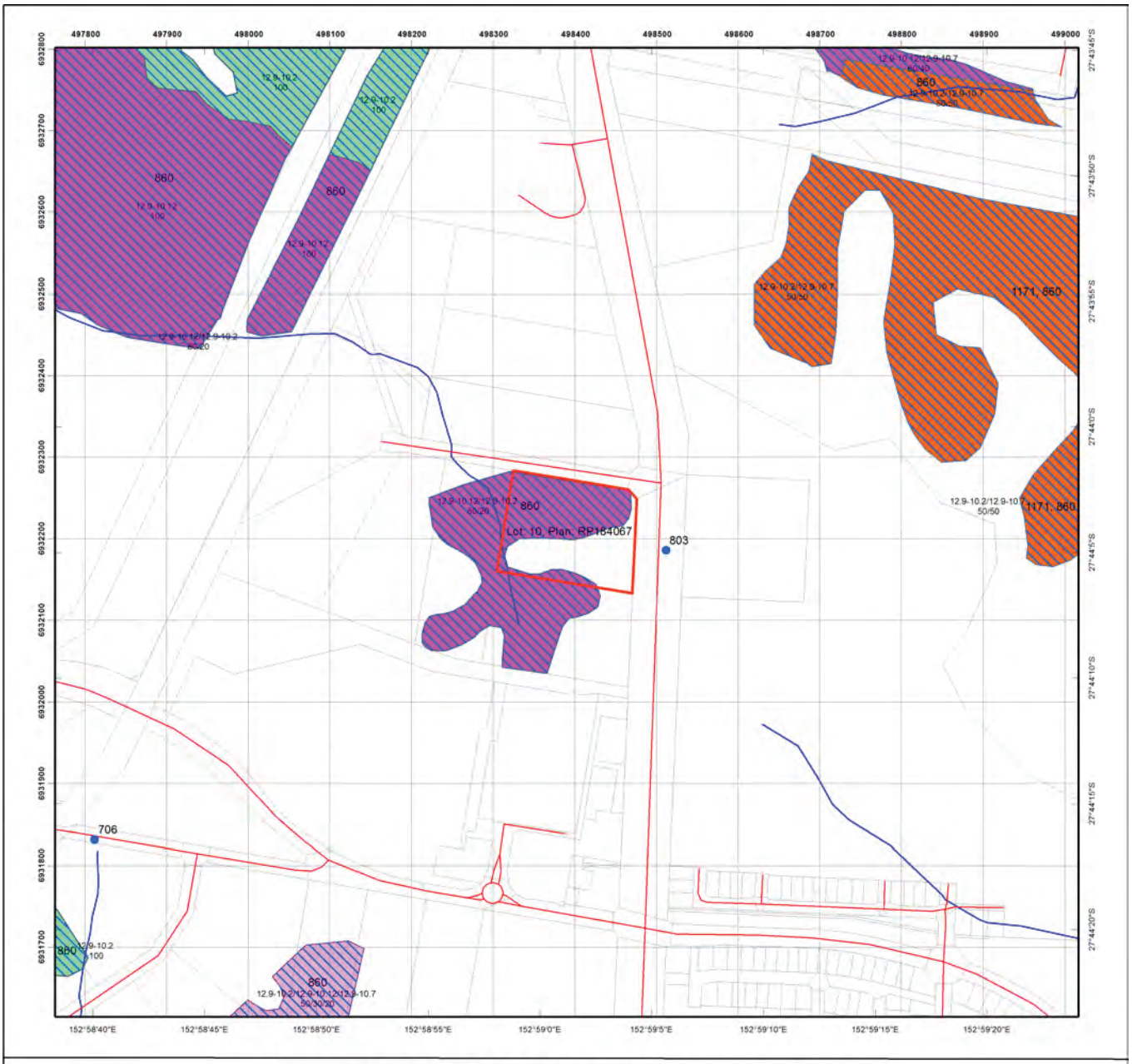
Protected plants map

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

5.1 Regulated vegetation management map



5.2 Vegetation management supporting map



Vegetation Management Supporting Map

Legend

- 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 A or B area under Section 20AH
  These areas are edged in yellow and filled with the remnant RE Status
- 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 C area under Section 20AI
  These areas are edged in purple and filled with the remnant RE Status
- 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)
- Roads
- National Parks, State Forest and other reserves
- Cadastral line
  Property boundaries shown are provided as a locational aid only

LOCALITY DIAGRAM



N

0 40 80 120 160 200 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.

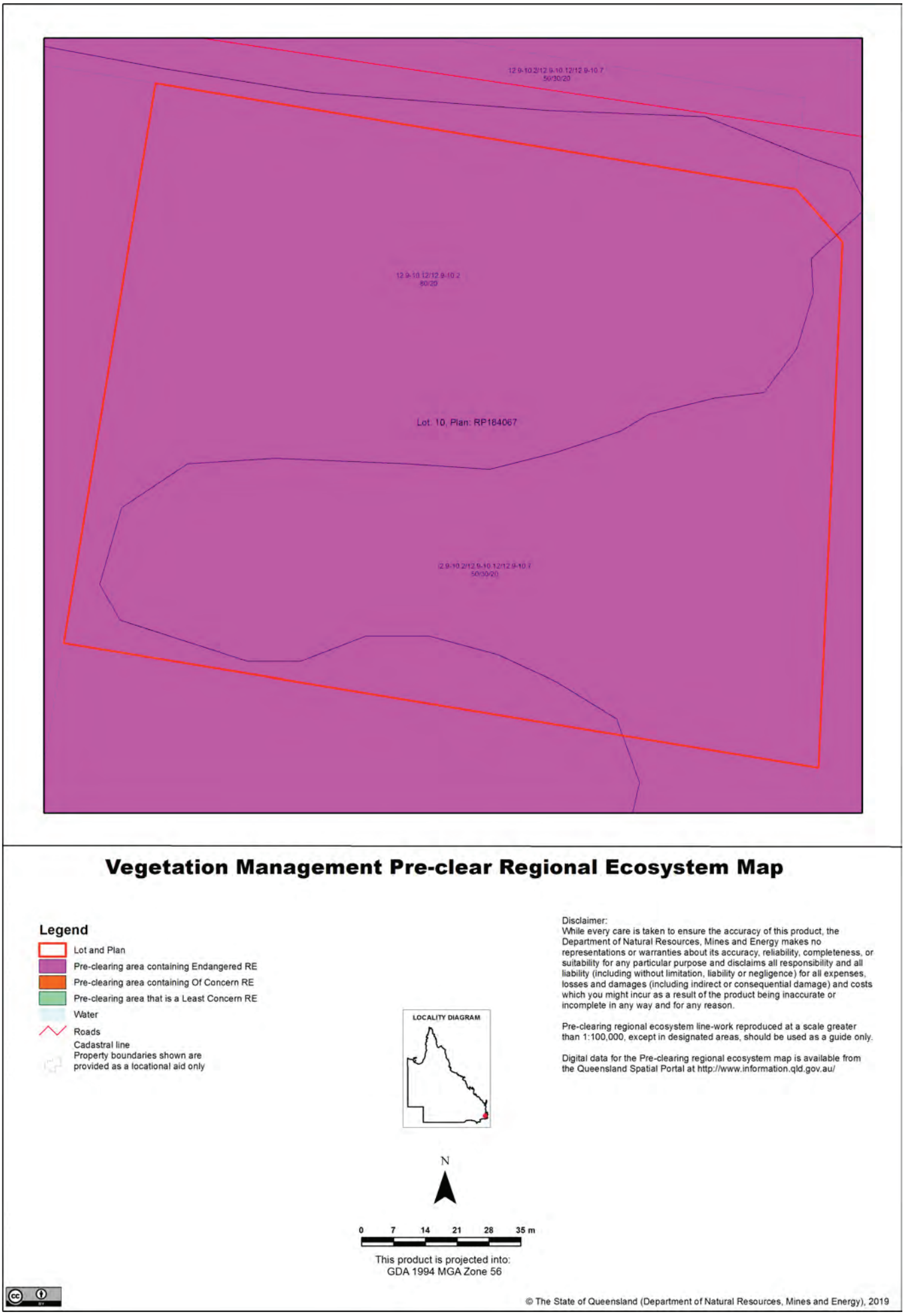
Disclaimer:
While every care is taken to ensure the accuracy of this product, the Department of Natural Resources, Mines and Energy makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability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

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

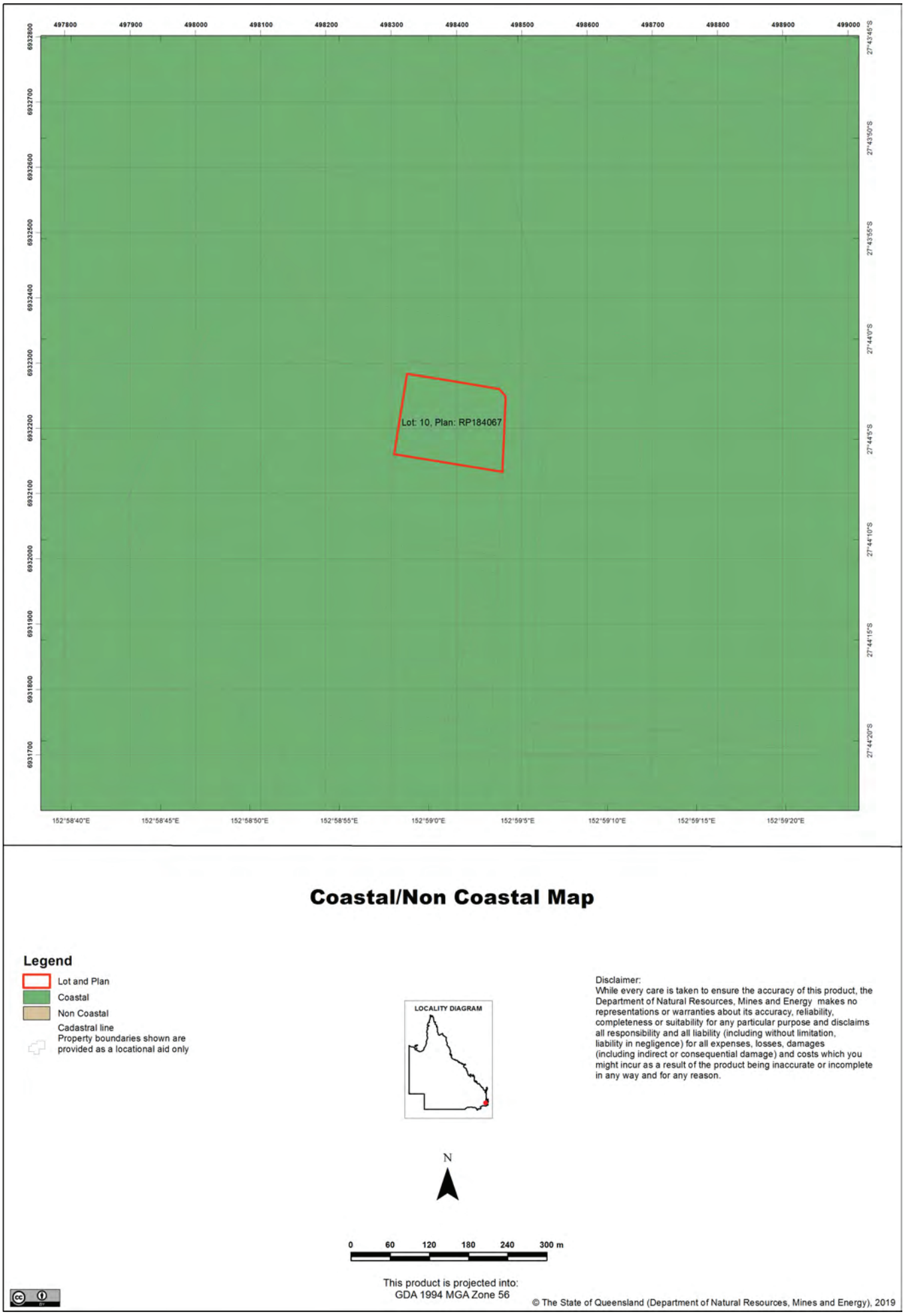
Digital data for the vegetation management watercourse and drainage feature map, vegetation management wetlands map, essential habitat map and the vegetation management remnant and regional ecosystem map are available from the Queensland Spatial Portal at http://www.information.qld.gov.au/

© The State of Queensland (Department of Natural Resources, Mines and Energy), 2019

5.3 Pre-clear map



5.4 Coastal/non coastal map



5.5 Agricultural Land Class A or B map



5.6 Protected plants map administered by DES



Protected Plants Flora Survey Trigger Map

Legend

- Lot and Plan
- High risk area
- Cadastral line
  Property boundaries shown are provided as a locational aid only
- Freeways / motorways / highways
- Secondary roads / streets



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

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@ehp.qld.gov.au

N

0 40 80 120 160 200 m

This product is projected into:
GDA 1994 MGA Zone 56

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

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Protected plants flora survey trigger map

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

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

Updates to the data informing the flora survey trigger map

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

Species information

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

6. Other relevant legislation contacts list

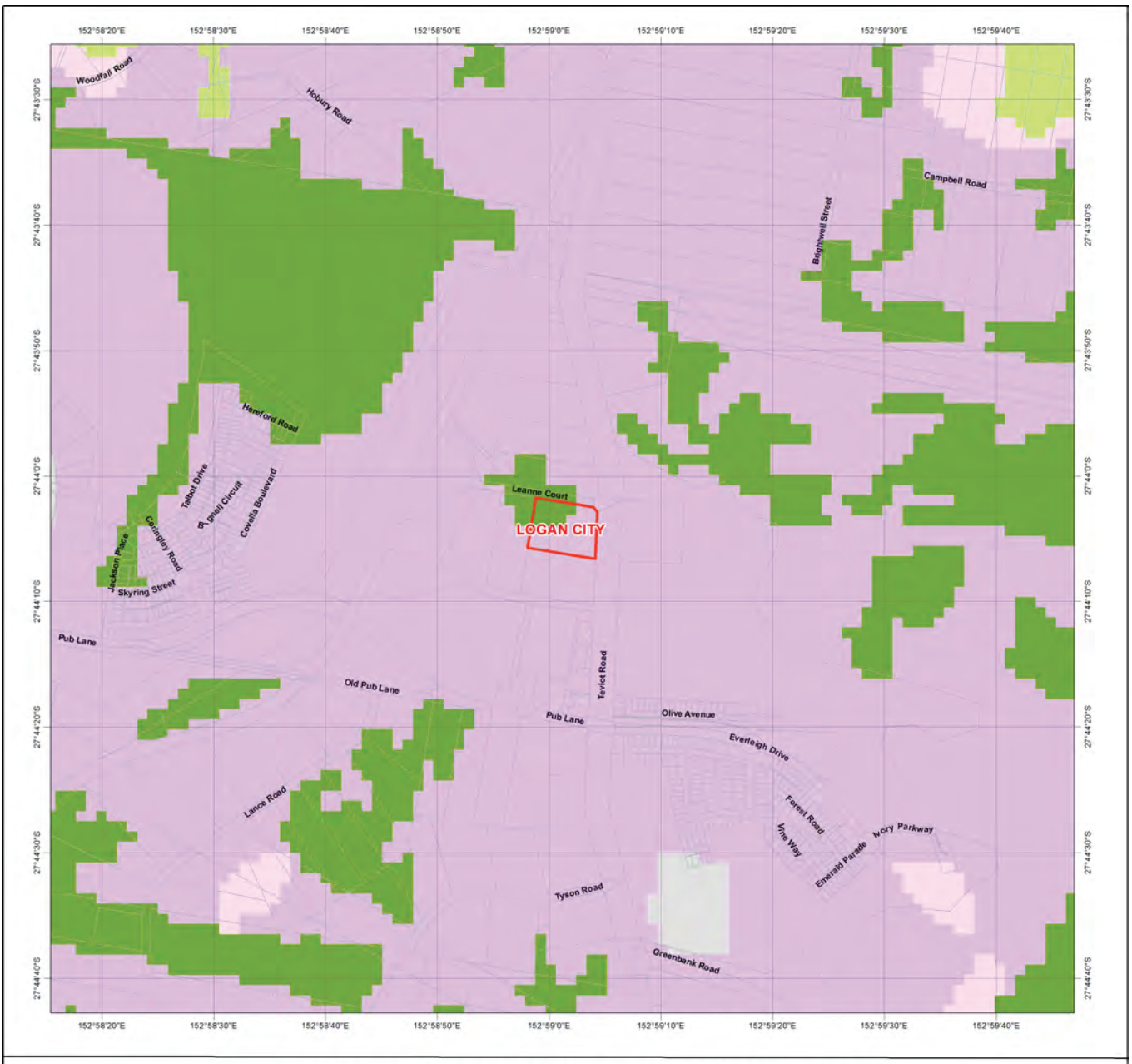
Activity	Legislation	Agency	Contact details
• Interference with overland flow • Earthworks, significant disturbance	*Water Act 2000* *Soil Conservation Act 1986*	Department of Natural Resources, Mines and Energy (Queensland Government)	Ph: 13 QGOV (13 74 68) www.dnrme.qld.gov.au
• Indigenous Cultural Heritage	*Aboriginal Cultural Heritage Act 2003* *Torres Strait Islander Cultural Heritage Act 2003*	Department of Aboriginal and Torres Strait Islander Partnerships (Queensland Government)	Ph: 13 QGOV (13 74 68) www.datsip.qld.gov.au
• Mining and environmentally relevant activities • Infrastructure development (coastal) • Heritage issues • Protected plants and protected areas[1]	*Environmental Protection Act 1994* *Coastal Protection and Management Act 1995* *Queensland Heritage Act 1992* *Nature Conservation Act 1992*	Department of Environment and Science (Queensland Government)	Ph: 13 QGOV (13 74 68) www.des.qld.gov.au
• Interference with fish passage in a watercourse, mangroves • Forestry activities[2]	*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 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, Manufacturing, Infrastructure 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 Local Government, Racing and Multicultural Affairs (Queensland Government)	Ph: 13 QGOV (13 74 68) Your relevant local government office

1. In Queensland, all plants that are native to Australia are protected plants under the *Nature Conservation Act 1992*, which endeavours to ensure that protected plants (whether whole plants or protected plants parts) are not illegally removed from the wild, or illegally traded. Prior to clearing, you should check the flora survey trigger map to determine if the clearing is within a high-risk area by visiting www.des.qld.gov.au. For further information or assistance on the protected plants flora survey trigger map for your property, please contact the Department of Environment and Science on 13QGOV (13 74 68) or email palm@des.qld.gov.au.

2. Contact the Department of Agriculture and Fisheries before clearing:
   - Any sandalwood on state-owned land (including leasehold land)
   - On freehold land in a 'forest consent area' or a 'forest entitlement area'
   - More than five hectares on state-owned land (including leasehold land) containing commercial timber species listed in parts 2 or 3 of Schedule 6 of the Vegetation Management Regulation 2012 and located within any of the following local government management areas-Banana, Bundaberg Regional, Fraser Coast Regional, Gladstone Regional, Isaac Regional, North Burnett Regional, Somerset Regional, South Burnett Regional, Southern Downs Regional, Tablelands Regional, Toowoomba Regional, Western Downs Regional.

ATTACHMENT 11

Map requested: (10/12/2019 13:08:59)
Lot: 10 Plan: RP184067



Koala Habitat in South East Queensland

Lot and Plan

Koala SPP - Habitat Values

Bushland Habitat
- High Value Bushland
- Medium Value Bushland
- Low Value Bushland

Suitable for Rehabilitation
- High Value Rehabilitation
- Medium Value Rehabilitation
- Low Value Rehabilitation

Other Areas of Value
- High Value Other
- Medium Value Other
- Low Value Other
- Generally not suitable
- Water

South East Queensland Koala Habitat Values western SEQ
- Bushland Habitat
- Suitable for rehabilitation
- Other areas of value
- Generally not suitable
- Water
- Cadastral Boundaries
- Local Government Boundaries



N

0 130 260 390 520 650 m

This product is projected into GDA 1994 MGA Zone 56

While every care is taken to ensure the accuracy of this data, 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.

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Based on or contains data provided by the State of Queensland 2010.

Note - These maps are not regulatory. Regulatory maps and requirements can be downloaded from the DES website. Further information in relation to regulatory requirements for development and planning activities should be sought from the relevant Local Government Authority or the Department of Environment and Science.

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Queensland Government

ATTACHMENT 12



State Planning Policy

Making or amending a local planning instrument and designating land for community infrastructure

Date: 10/12/2019

Department of State Development, Manufacturing, Infrastructure and Planning

Queensland Government

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0 70 140 210 280

Metres

Disclaimer:
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Legend

Cadastre (5k)

Cadastre (5k)

Bushfire prone area

Very High Potential Bushfire Intensity

High Potential Bushfire Intensity

Medium Potential Bushfire Intensity

Potential Impact Buffer

Date: 10/12/2019

State Planning Policy

Making or amending a local planning instrument and designating land for community infrastructure

Department of State Development, Manufacturing, Infrastructure and Planning

Queensland Government

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ATTACHMENT 13

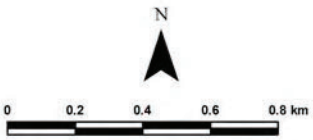


Pre-clearing Regional Ecosystems

Biodiversity Status

- Lot and Plan
- Endangered - Dominant vegetation
- Endangered - Sub-dominant
- Of Concern - Dominant
- Of Concern - Sub-dominant
- No concern at present
- Water
- Cadastral Boundaries





This product is projected into GDA 1994 MGA Zone 56

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

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

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

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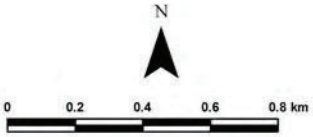


Remnant 2017 Regional Ecosystems

Biodiversity Status

- Lot and Plan
- Endangered - Dominant vegetation
- Endangered - Sub-dominant
- Of Concern - Dominant
- Of Concern - Sub-dominant
- No concern at present
- Non-remnant vegetation, cultivated or built environment
- Plantation
- Water
- Cadastral Boundaries





This product is projected into GDA 1994 MGA Zone 56

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

Regional ecosystems are defined as vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil.

The polygons are labelled by regional ecosystem (RE); where more than one RE occurs, the percentage of each is labelled. The label consists of 3 components: bioregion, land zone, and vegetation community – the dominant canopy species. e.g.: RE 12.3.3. Descriptions of REs are found online. Use the search term "Regional Ecosystem Framework".

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

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

Non-remnant vegetation includes regrowth and disturbed native vegetation.

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ATTACHMENT 14

Family	Scientific Name	Common Name	EPBC Act 1999	NC Act 1992
Agavaceae	*Agave americana*		NL	*
Asteraceae	*Ageratum houstonianum*	blue billygoat weed	NL	*
Amaranthaceae	*Alternanthera philoxeroides*	alligator weed	NL	*
Amaranthaceae	*Amaranthus viridis*	green amaranth	NL	*
Crassulaceae	*Bryophyllum daigremontianum*		NL	*
Apocynaceae	*Catharanthus roseus*	pink periwinkle	NL	*
Verbenaceae	*Citharexylum spinosum*		NL	*
Asteraceae	Crassocephalum crepidioides	thickhead	NL	*
Caesalpiniaceae	*Delonix regia*		NL	*
Amaranthaceae	*Gomphrena celosioides*	gomphrena weed	NL	*
Cactaceae	*Hylocereus undatus*		NL	*
Crassulaceae	*Kalanchoe beharensis*	elephant ear kalanchoe	NL	*
Rutaceae	*Murraya paniculata*	mock orange	NL	*
Passifloraceae	Passiflora suberosa	corky passionvine	NL	*
Araceae	*Philodendron congo*	Congo philodendron	NL	*
Lamiaceae	*Plectranthus amboinicus*	mother-of-herbs	NL	*
Dracaenaceae	*Sansevieria trifasciata*		NL	*
Malvaceae	*Sida cordifolia*		NL	*
Malvaceae	*Sida rhombifolia*		NL	*
Solanaceae	*Solanum nigrum*		NL	*
Arecaceae	*Syagrus romanzoffiana*	Cocos palm	NL	*
Araceae	*Syngonium podophyllum*		NL	*
Basellaceae	Anredera cordifolia	Madeira vine	NL	*(RI)
Asparagaceae	*Asparagus africanus*	asparagus fern	NL	*(RI)
Crassulaceae	*Bryophyllum delagoense*	mother of millions	NL	*(RI)
Verbenaceae	*Lantana camara*	common lantana	NL	*(RI)
Cactaceae	*Opuntia stricta*	common pest pear	NL	*(RI)
Mimosaceae	*Acacia disparrima* subsp. *disparrima*	hickory wattle	NL	LC
Mimosaceae	*Acacia leiocalyx*		NL	LC
Rhamnaceae	*Alphitonia excelsa*	red ash	NL	LC
Arecaceae	*Archontophoenix alexandrae*	Alexandra palm	NL	LC
Phyllanthaceae	*Breynia oblongifolia*	coffee bush	NL	LC
Myrtaceae	*Corymbia citriodora* subsp. *variegata*	spotted gum	NL	LC
Myrtaceae	*Corymbia intermedia*	pink bloodwood	NL	LC
Sapindaceae	*Cupaniopsis anacardioides*	tuckeroo	NL	LC
Myrtaceae	*Eucalyptus seeana*	narrow-leaved red gum	NL	LC
Myrtaceae	*Eucalyptus tereticornis*	Queensland blue gum	NL	LC
Moraceae	*Ficus rubiginosa*		NL	LC
Moraceae				
Cyperaceae	*Gahnia aspera*	red-fruited saw sedge	NL	LC
Araceae	*Lemna aequinoctialis*		NL	LC

Family	Scientific Name	Common Name	EPBC Act 1999	NC Act 1992
Myrtaceae	*Lophostemon confertus*	brush box	NL	LC
Myrtaceae	*Lophostemon suaveolens*	swamp box	NL	LC
Myrtaceae	*Melaleuca quinquenervia*	broad-leaf paperbark	NL	LC
Apocynaceae	Parsonsia straminea	monkey rope	NL	LC

ATTACHMENT 15



205-219 Teviot Road, Greenbank

Attachment 15 - Vegetation Communities

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap October 2019); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

- Site Boundary
- Watercourse (DNRME)
- Property Boundary

Vegetation Communities

- Semi-mature narrow-leaved red gum open forest
- Landscaping with scattered native canopy

Issue Date	Dwg No.	Author
12 December 2019	2019-104-015	RF
Approved	**Revision Note**	
MT		

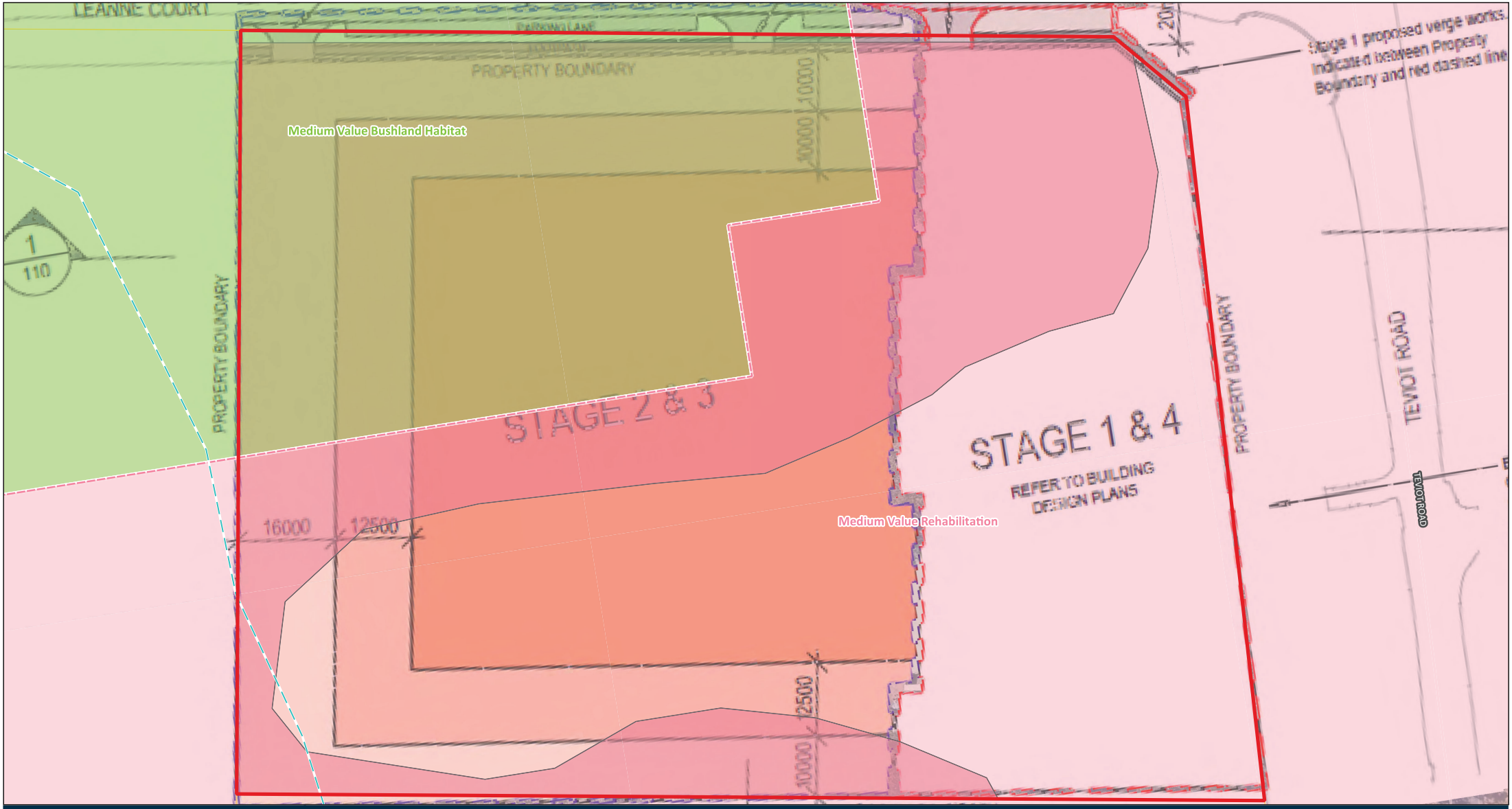
(A3) GDA 94 MGA 56

1:1000

25 0 25 50 75 100 m

N

ATTACHMENT 16



205-219 Teviot Road, Greenbank

Attachment 16 - Impact Plan (Koala SPP & Endangered RE)

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap October 2019); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

- Site Boundary
- Watercourse (DNRME)

Property Boundary

- Medium Value Bushland Habitat
- Medium Value Rehabilitation

Issue Date	Dwg No.	Author
21 August 2020	2019-104-016	RF
Approved	**Revision Note**	
MT		

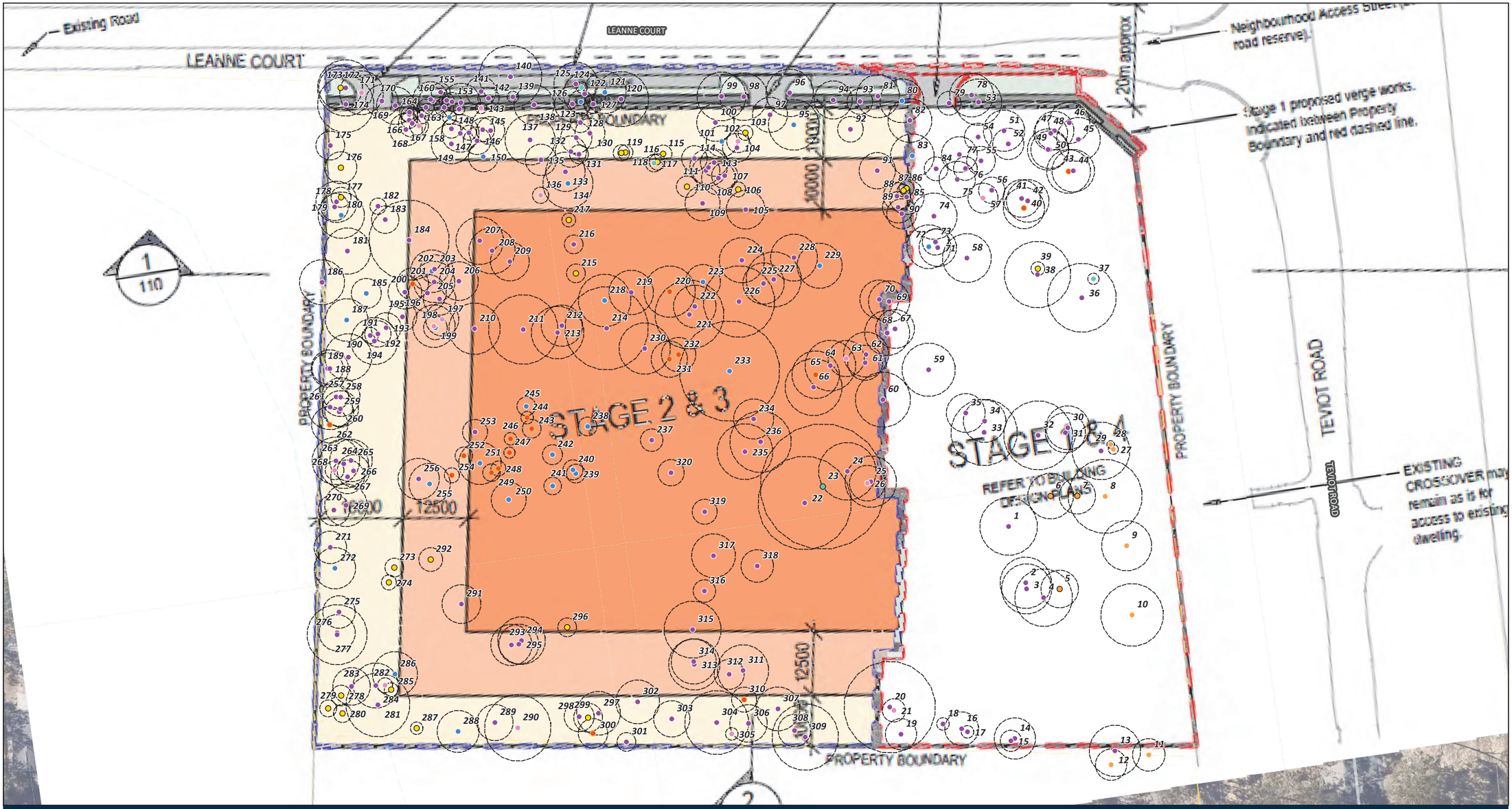
(A3) GDA 94 MGA 56

1:600

25 0 25 50 75 100 m

N

ATTACHMENT 17



205-219 Teviot Road, Greenbank

Attachment 17 - Tree Retention Plan

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap October 2019); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

Attachment 17 - Tree Retention Plan
Surveyed Trees

- Angophora leiocarpa
- Corymbia citriodora subsp. variegata
- Corymbia intermedia
- Eucalyptus seeana
- Eucalyptus tereticornis
- Ficus obliqua
- Ficus rubiginosa
- Lophostemon suaveolens
- Melaleuca quinquenervia

- Tree Protection Zones
- Indicative Stage 2 and 3 Building Location

Attachment 17 image_modified

- Site Boundary copy copy copy copy copy
- Property_boundaries___DCDB_Lite

Issue Date	Dwg No.	Author
21 August 2020	2019-104-017	RF
Approved	**Revision Note**	
MT		

(A3) GDA 94 MGA 56

1:700

25 0 25 50 75 100 m

N

Tree ID	Scientific Name	DBH (mm)	Stems	Height (m)	Health	Comment	Structure	Comment	Habitat	Further Comments	Tree Protection Zone (m)
1	Eucalyptus seeana	460	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		5.52
2	Eucalyptus seeana	410	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		4.92
3	Eucalyptus seeana	400	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		4.8
4	Eucalyptus seeana	460	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		5.52
5	Ficus rubiginosa	300	1 stem	8	Good	Typical	Good	Typical	No visible habitat features		3.6
6	Ficus rubiginosa	365	2 stems	8	Good	Typical	Good	Typical	No visible habitat features		4.38
7	Ficus rubiginosa	290	3 stems	9	Good	Typical	Good	Typical	No visible habitat features		3.48
8	Corymbia citriodora subsp. variegata	590	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		7.08
9	Corymbia citriodora subsp. variegata	400	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.8
10	Corymbia citriodora subsp. variegata	500	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		6
11	Corymbia citriodora subsp. variegata	260	1 stem	14	Good	Typical	Good	Typical	No visible habitat features	Tree tag 208	3.12
12	Corymbia citriodora subsp. variegata	250	1 stem	14	Good	Typical	Good	Typical	No visible habitat features	Tree tag 201	3
13	Eucalyptus seeana	410	2 stems	14	Good	Typical	Good	Typical	No visible habitat features	Tree tag 202	4.92
14	Eucalyptus seeana	330	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.96
15	Eucalyptus seeana	170	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.04
16	Eucalyptus seeana	270	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.24
17	Eucalyptus seeana	100	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.2
18	Eucalyptus seeana	100	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		1.2
19	Eucalyptus seeana	250	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		3
20	Eucalyptus seeana	730	3 stems	18	Good	Typical	Good	Typical	No visible habitat features		8.76
21	Corymbia intermedia	185	2 stems	6	Good	Typical	Good	Typical	No visible habitat features		2.22
22	Eucalyptus seeana	745	4 stems	17	Good	Typical	Good	Typical	No visible habitat features		8.94
23	Ficus obliqua	1000	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		12
24	Eucalyptus seeana	460	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		5.52
25	Eucalyptus seeana	410	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.92
26	Corymbia intermedia	285	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.42
27	Corymbia citriodora subsp. variegata	80	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		0.96
28	Corymbia citriodora subsp. variegata	60	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		0.72
29	Eucalyptus seeana	460	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.52
30	Eucalyptus seeana	350	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.2
31	Eucalyptus seeana	320	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.84
32	Eucalyptus seeana	550	4 stems	17	Good	Typical	Good	Typical	No visible habitat features		6.6

33	Eucalyptus seeana	530	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		6.36
34	Eucalyptus seeana	340	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.08
35	Eucalyptus seeana	310	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.72
36	Eucalyptus seeana	550	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		6.6
37	Melaleuca quinquenervia	90	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.08
38	Eucalyptus seeana	530	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		6.36
39	Lophostemon suaveolens	110	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.32
40	Angophora leiocarpa	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
41	Eucalyptus seeana	300	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.6
42	Eucalyptus seeana	340	1 stem	13	Good	Typical	Good	Typical	No visible habitat features		4.08
43	Angophora leiocarpa	350	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.2
44	Eucalyptus seeana	340	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.08
45	Eucalyptus seeana	350	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		4.2
46	Eucalyptus seeana	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
47	Eucalyptus seeana	310	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.72
48	Eucalyptus seeana	270	1 stem	13	Good	Typical	Good	Typical	No visible habitat features		3.24
49	Eucalyptus seeana	300	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		3.6
50	Eucalyptus seeana	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
51	Eucalyptus seeana	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
52	Eucalyptus seeana	250	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		3
53	Eucalyptus seeana	370	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.44
54	Eucalyptus seeana	220	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.64
55	Eucalyptus seeana	230	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.76
56	Eucalyptus seeana	210	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.52
57	Corymbia intermedia	240	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.88
58	Eucalyptus seeana	390	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.68
59	Eucalyptus seeana	425	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.1
60	Eucalyptus seeana	440	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		5.28
61	Eucalyptus seeana	280	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.36
62	Eucalyptus seeana	360	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.32
63	Corymbia intermedia	290	3 stems	12	Good	Typical	Good	Typical	No visible habitat features		3.48
64	Eucalyptus seeana	405	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		4.86
65	Angophora leiocarpa	380	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.56
66	Eucalyptus seeana	455	3 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.46
67	Eucalyptus seeana	310	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.72
68	Eucalyptus seeana	360	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.32
69	Eucalyptus seeana	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
70	Eucalyptus seeana	310	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.72
71	Eucalyptus seeana	300	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.6
72	Eucalyptus tereticornis	350	1 stem	19	Good	Typical	Good	Typical	No visible habitat features		4.2

73	Eucalyptus seeana	210	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.52
74	Eucalyptus seeana	370	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.44
75	Eucalyptus seeana	290	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		3.48
76	Eucalyptus seeana	190	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.28
77	Eucalyptus seeana	285	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.42
78	Eucalyptus seeana	350	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.2
79	Eucalyptus seeana	190	2 stems	12	Good	Typical	Good	Typical	No visible habitat features		2.28
80	Eucalyptus tereticornis	350	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.2
81	Eucalyptus seeana	345	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.14
82	Eucalyptus seeana	350	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.2
83	Eucalyptus tereticornis	350	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.2
84	Eucalyptus seeana	190	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.28
85	Eucalyptus seeana	280	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.36
86	Lophostemon suaveolens	120	2 stems	5	Good	Typical	Good	Typical	No visible habitat features		1.44
87	Lophostemon suaveolens	100	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.2
88	Eucalyptus seeana	220	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.64
89	Eucalyptus seeana	250	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3
90	Eucalyptus seeana	240	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.88
91	Eucalyptus seeana	290	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.48
92	Eucalyptus seeana	205	3 stems	16	Good	Typical	Good	Typical	No visible habitat features		2.46
93	Eucalyptus seeana	205	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		2.46
94	Eucalyptus seeana	305	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.66
95	Eucalyptus tereticornis	405	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.86
96	Eucalyptus seeana	380	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.56
97	Eucalyptus seeana	280	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.36
98	Eucalyptus seeana	380	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.56
99	Eucalyptus seeana	390	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.68
100	Eucalyptus seeana	300	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.6
101	Eucalyptus tereticornis	250	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3
102	Corymbia intermedia	180	1 stem	10	Good	Typical	Good	Typical	No visible habitat features		2.16
103	Lophostemon suaveolens	120	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.44
104	Eucalyptus seeana	230	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.76
105	Eucalyptus seeana	310	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.72
106	Lophostemon suaveolens	120	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.44
107	Eucalyptus seeana	210	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.52
108	Eucalyptus seeana	270	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.24
109	Eucalyptus seeana	280	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.36

110	Lophostemon suaveolens	170	2 stems	12	Good	Typical	Good	Typical	No visible habitat features		2.04
111	Eucalyptus seeana	220	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.64
112	Eucalyptus seeana	300	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.6
113	Eucalyptus seeana	220	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.64
114	Eucalyptus seeana	205	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		2.46
115	Lophostemon suaveolens	140	1 stem	8	Good	Typical	Good	Typical	No visible habitat features		1.68
116	Lophostemon suaveolens	130	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.56
117	Melaleuca quinquenervia	140	2 stems	5	Good	Typical	Good	Typical	No visible habitat features		1.68
118	Lophostemon suaveolens	120	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.44
119	Lophostemon suaveolens	130	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.56
120	Eucalyptus seeana	440	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		5.28
121	Eucalyptus tereticornis	340	2 stems	19	Good	Typical	Good	Typical	No visible habitat features		4.08
122	Eucalyptus seeana	340	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		4.08
123	Eucalyptus tereticornis	190	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.28
124	Melaleuca quinquenervia	90	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.08
125	Eucalyptus seeana	350	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.2
126	Eucalyptus seeana	285	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		3.42
127	Eucalyptus seeana	150	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		1.8
128	Eucalyptus seeana	160	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		1.92
129	Eucalyptus seeana	250	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3
130	Eucalyptus seeana	240	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		2.88
131	Eucalyptus seeana	150	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.8
132	Eucalyptus seeana	250	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3
133	Eucalyptus seeana	315	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		3.78
134	Eucalyptus tereticornis	400	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.8
135	Eucalyptus seeana	250	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3
136	Corymbia intermedia	130	2 stems	5	Good	Typical	Good	Typical	No visible habitat features		1.56
137	Eucalyptus seeana	400	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.8
138	Eucalyptus seeana	320	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		3.84
139	Eucalyptus seeana	90	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.08
140	Eucalyptus seeana	500	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		6
141	Eucalyptus seeana	240	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		2.88
142	Eucalyptus seeana	170	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		2.04
143	Corymbia intermedia	90	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.08
144	Eucalyptus seeana	225	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		2.7

145	Eucalyptus seeana	190	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.28
146	Eucalyptus seeana	220	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		2.64
147	Eucalyptus seeana	120	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.44
148	Eucalyptus seeana	300	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.6
149	Eucalyptus seeana	320	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.84
150	Eucalyptus tereticornis	240	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		2.88
151	Eucalyptus seeana	90	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.08
152	Eucalyptus seeana	310	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.72
153	Eucalyptus seeana	150	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.8
154	Eucalyptus seeana	120	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.44
155	Eucalyptus seeana	150	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.8
156	Eucalyptus seeana	150	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.8
157	Eucalyptus tereticornis	110	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.32
158	Eucalyptus seeana	150	1 stem	8	Good	Typical	Good	Typical	No visible habitat features		1.8
159	Eucalyptus seeana	130	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.56
160	Eucalyptus seeana	220	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.64
161	Eucalyptus seeana	285	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		3.42
162	Eucalyptus seeana	130	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.56
163	Corymbia intermedia	150	1 stem	9	Declining	Typical	Good	Typical	No visible habitat features		1.8
164	Eucalyptus seeana	130	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.56
165	Eucalyptus seeana	160	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		1.92
166	Eucalyptus seeana	130	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		1.56
167	Eucalyptus seeana	220	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		2.64
168	Eucalyptus seeana	260	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.12
169	Eucalyptus seeana	300	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.6
170	Eucalyptus seeana	260	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.12
171	Corymbia intermedia	350	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.2
172	Eucalyptus seeana	450	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		5.4
173	Lophostemon suaveolens	350	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		4.2
174	Eucalyptus seeana	450	3 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.4
175	Eucalyptus seeana	230	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.76
176	Lophostemon suaveolens	255	4 stems	8	Good	Typical	Good	Typical	No visible habitat features		3.06
177	Lophostemon suaveolens	160	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.92
178	Eucalyptus seeana	330	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.96
179	Eucalyptus seeana	220	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.64
180	Eucalyptus tereticornis	370	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.44
181	Eucalyptus seeana	370	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		4.44
182	Eucalyptus seeana	130	1 stem	12	Good	Typical	Good	Typical	No visible habitat features	Growing from stump	1.56
183	Eucalyptus seeana	220	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.64

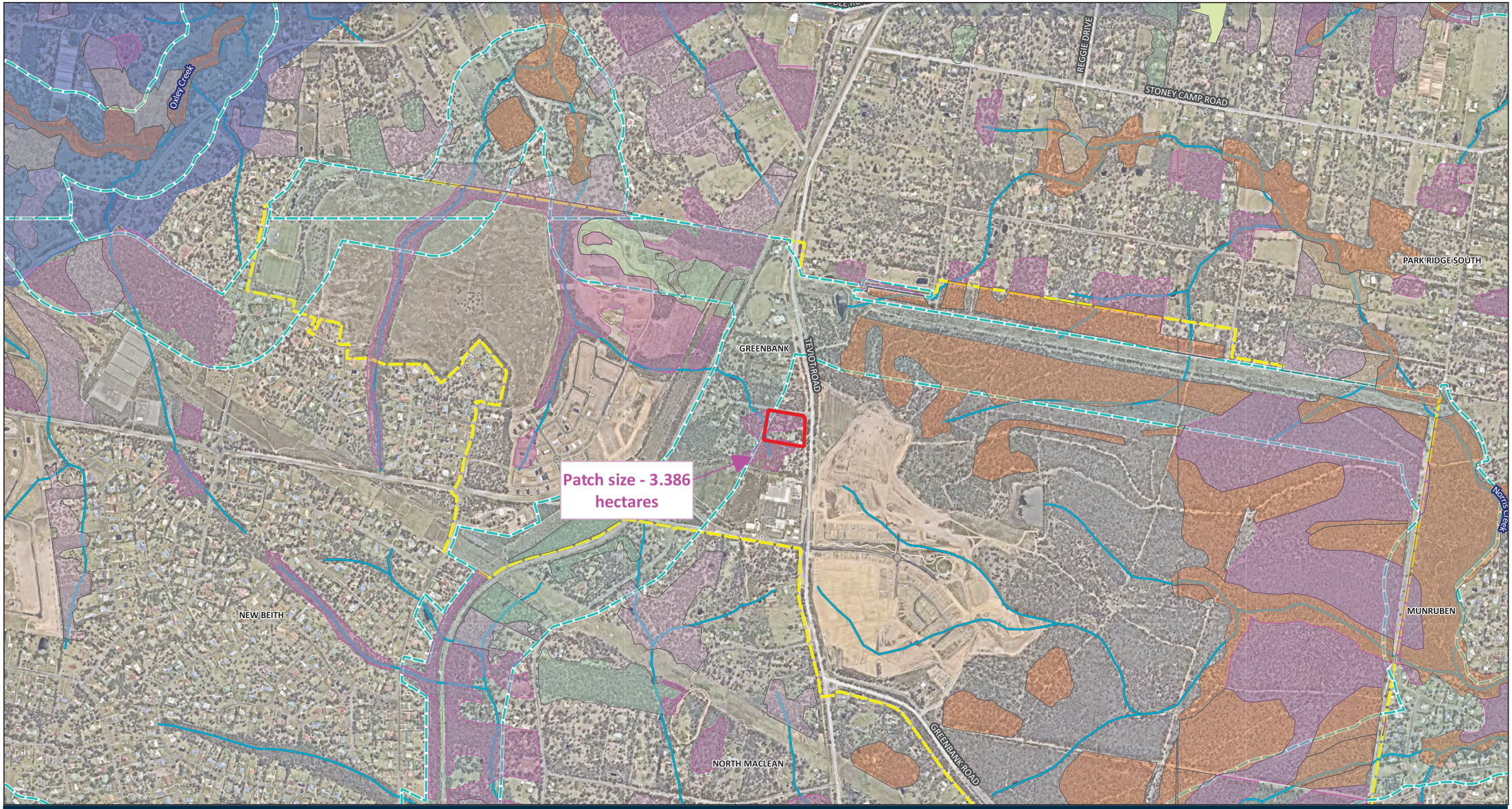
184	Eucalyptus seeana	640	5 stems	18	Good	Typical	Good	Typical	No visible habitat features		7.68
185	Eucalyptus tereticornis	240	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		2.88
186	Eucalyptus seeana	360	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.32
187	Eucalyptus tereticornis	340	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.08
188	Eucalyptus seeana	250	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3
189	Eucalyptus seeana	300	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.6
190	Eucalyptus seeana	375	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.5
191	Eucalyptus seeana	130	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		1.56
192	Eucalyptus seeana	210	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.52
193	Eucalyptus seeana	240	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		2.88
194	Eucalyptus seeana	375	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		4.5
195	Eucalyptus seeana	230	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		2.76
196	Eucalyptus seeana	300	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.6
197	Corymbia intermedia	265	4 stems	12	Good	Typical	Good	Typical	No visible habitat features		3.18
198	Eucalyptus tereticornis	190	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.28
199	Corymbia intermedia	340	3 stems	15	Good	Typical	Good	Typical	No visible habitat features		4.08
200	Eucalyptus seeana	270	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.24
201	Angophora leiocarpa	255	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		3.06
202	Eucalyptus tereticornis	340	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.08
203	Eucalyptus seeana	230	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.76
204	Eucalyptus seeana	330	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		3.96
205	Eucalyptus seeana	260	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.12
206	Eucalyptus seeana	310	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.72
207	Eucalyptus seeana	380	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.56
208	Eucalyptus seeana	370	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		4.44
209	Eucalyptus seeana	310	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.72
210	Eucalyptus seeana	410	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.92
211	Eucalyptus seeana	555	3 stems	18	Good	Typical	Good	Typical	No visible habitat features		6.66
212	Eucalyptus seeana	330	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.96
213	Eucalyptus seeana	420	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		5.04
214	Eucalyptus seeana	665	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		7.98
215	Lophostemon suaveolens	150	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.8
216	Eucalyptus seeana	150	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.8
217	Lophostemon suaveolens	110	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.32
218	Eucalyptus tereticornis	420	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		5.04
219	Eucalyptus seeana	355	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		4.26
220	Angophora leiocarpa	410	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.92
221	Eucalyptus seeana	550	3 stems	18	Good	Typical	Good	Typical	No visible habitat features		6.6
222	Eucalyptus seeana	340	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.08
223	Eucalyptus tereticornis	280	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		3.36

224	Eucalyptus seeana	360	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.32
225	Eucalyptus seeana	330	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.96
226	Eucalyptus seeana	570	4 stems	18	Good	Typical	Good	Typical	No visible habitat features		6.84
227	Eucalyptus seeana	440	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		5.28
228	Eucalyptus seeana	375	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.5
229	Eucalyptus tereticornis	360	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.32
230	Eucalyptus seeana	410	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.92
231	Angophora leiocarpa	290	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		3.48
232	Angophora leiocarpa	275	2 stems	18	Good	Typical	Good	Typical	No visible habitat features		3.3
233	Eucalyptus tereticornis	800	1 stem	24	Good	Typical	Good	Typical	No visible habitat features		9.6
234	Eucalyptus seeana	320	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.84
235	Eucalyptus seeana	445	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.34
236	Eucalyptus seeana	490	3 stems	17	Good	Typical	Good	Typical	No visible habitat features		5.88
237	Eucalyptus seeana	180	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.16
238	Eucalyptus tereticornis	150	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.8
239	Eucalyptus tereticornis	150	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.8
240	Eucalyptus tereticornis	160	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.92
241	Eucalyptus tereticornis	140	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.68
242	Eucalyptus tereticornis	160	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.92
243	Angophora leiocarpa	150	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.8
244	Angophora leiocarpa	100	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.2
245	Eucalyptus tereticornis	150	1 stem	9	Good	Typical	Good	Typical	No visible habitat features		1.8
246	Angophora leiocarpa	100	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.2
247	Angophora leiocarpa	90	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.08
248	Angophora leiocarpa	120	3 stems	5	Good	Typical	Good	Typical	No visible habitat features		1.44
249	Angophora leiocarpa	140	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.68
250	Eucalyptus tereticornis	280	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		3.36
251	Eucalyptus tereticornis	340	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.08
252	Angophora leiocarpa	140	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.68
253	Eucalyptus seeana	200	2 stems	9	Good	Typical	Good	Typical	No visible habitat features		2.4
254	Angophora leiocarpa	120	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.44
255	Eucalyptus tereticornis	330	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.96
256	Eucalyptus seeana	330	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.96
257	Eucalyptus seeana	200	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.4
258	Eucalyptus seeana	310	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.72
259	Eucalyptus seeana	230	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		2.76
260	Eucalyptus seeana	290	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.48
261	Eucalyptus seeana	360	3 stems	15	Good	Typical	Good	Typical	No visible habitat features		4.32
262	Angophora leiocarpa	290	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.48
263	Eucalyptus seeana	380	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.56
264	Eucalyptus seeana	395	3 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.74
265	Eucalyptus seeana	340	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		4.08

266	Eucalyptus seeana	260	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.12
267	Eucalyptus seeana	270	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.24
268	Corymbia intermedia	150	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		1.8
269	Eucalyptus seeana	340	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.08
270	Eucalyptus seeana	250	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3
271	Eucalyptus seeana	260	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.12
272	Eucalyptus tereticornis	330	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.96
273	Lophostemon suaveolens	150	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.8
274	Lophostemon suaveolens	120	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.44
275	Eucalyptus seeana	260	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.12
276	Eucalyptus seeana	290	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.48
277	Eucalyptus seeana	480	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		5.76
278	Lophostemon suaveolens	165	3 stems	7	Good	Typical	Good	Typical	No visible habitat features		1.98
279	Lophostemon suaveolens	135	3 stems	7	Good	Typical	Good	Typical	No visible habitat features		1.62
280	Lophostemon suaveolens	145	3 stems	7	Good	Typical	Good	Typical	No visible habitat features		1.74
281	Eucalyptus seeana	510	5 stems	17	Good	Typical	Good	Typical	No visible habitat features		6.12
282	Eucalyptus seeana	360	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.32
283	Eucalyptus seeana	300	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		3.6
284	Corymbia intermedia	120	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.44
285	Lophostemon suaveolens	110	1 stem	5	Good	Typical	Good	Typical	No visible habitat features		1.32
286	Eucalyptus tereticornis	360	1 stem	18	Good	Typical	Good	Typical	No visible habitat features		4.32
287	Lophostemon suaveolens	100	1 stem	4	Good	Typical	Good	Typical	No visible habitat features		1.2
288	Eucalyptus tereticornis	335	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.02
289	Eucalyptus seeana	290	1 stem	17	Good	Typical	Good	Typical	No visible habitat features		3.48
290	Corymbia intermedia	530	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		6.36
291	Eucalyptus seeana	310	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.72
292	Lophostemon suaveolens	190	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		2.28
293	Eucalyptus seeana	330	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		3.96
294	Eucalyptus seeana	380	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		4.56
295	Eucalyptus seeana	320	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.84
296	Lophostemon suaveolens	150	1 stem	6	Good	Typical	Good	Typical	No visible habitat features		1.8
297	Eucalyptus seeana	350	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		4.2
298	Eucalyptus seeana	240	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.88

299	Lophostemon suaveolens	230	2 stems	12	Good	Typical	Good	Typical	No visible habitat features		2.76
300	Angophora leiocarpa	235	2 stems	12	Good	Typical	Good	Typical	No visible habitat features		2.82
301	Eucalyptus seeana	150	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		1.8
302	Eucalyptus seeana	350	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.2
303	Eucalyptus seeana	290	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		3.48
304	Eucalyptus seeana	510	3 stems	18	Good	Typical	Good	Typical	No visible habitat features		6.12
305	Corymbia intermedia	100	1 stem	7	Good	Typical	Good	Typical	No visible habitat features		1.2
306	Eucalyptus seeana	300	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		3.6
307	Eucalyptus seeana	350	3 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.2
308	Eucalyptus seeana	260	2 stems	14	Good	Typical	Good	Typical	No visible habitat features		3.12
309	Eucalyptus seeana	530	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		6.36
310	Angophora leiocarpa	200	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		2.4
311	Eucalyptus seeana	410	2 stems	17	Good	Typical	Good	Typical	No visible habitat features		4.92
312	Eucalyptus seeana	240	1 stem	16	Good	Typical	Good	Typical	No visible habitat features		2.88
313	Eucalyptus seeana	410	2 stems	16	Good	Typical	Good	Typical	No visible habitat features		4.92
314	Eucalyptus seeana	360	1 stem	15	Good	Typical	Good	Typical	No visible habitat features		4.32
315	Eucalyptus seeana	455	2 stems	15	Good	Typical	Good	Typical	No visible habitat features		5.46
316	Eucalyptus seeana	180	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		2.16
317	Eucalyptus seeana	350	1 stem	14	Good	Typical	Good	Typical	No visible habitat features		4.2
318	Eucalyptus seeana	260	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		3.12
319	Eucalyptus seeana	200	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.4
320	Eucalyptus seeana	210	1 stem	12	Good	Typical	Good	Typical	No visible habitat features		2.52

ATTACHMENT 18



205-219 Teviot Road, Greenbank

Attachment 18

28 South Project Ref: 2019-104

Data Sources: Nearmap Aerial Imagery (Nearmap November 2018); Digital Cadastre Database (Dept. Natural Resources and Mines, 2019); Roads (DNRME, 2018).

28ºS ENVIRONMENTAL

Legend

- Site Boundary
- Watercourse (DNRME)
- Remnant Least Concern
- Remnant Of Concern
- Remnant Endangered
- High Value Regrowth Least Concern
- High Value Regrowth Of Concern
- High Value Regrowth Endangered
- Greater Flagstone Priority Development Area (northern component)
- Biodiversity Corridor (LCC)
- Regional Biodiversity Corridor (SEQ Regional Plan)

Issue Date	Dwg No.	Author
12 December 2019	2019-104-018	RF
Approved	**Revision Note**	
MT		

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