# Regional Ecosystem Mapping Project Report

**Fraser Coast, QLD**
August 2021

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# Contents

# 1 Introduction

Redleaf Environmental was engaged by Fraser Coast Regional Council (FCRC) to undertake a Regional Ecosystem (RE) Vegetation Mapping Project to create an evidence base to inform several council projects including the Planning Scheme Review Project, Threatened Species Action Plan and Greening Fraser Coast. The components of the planning scheme review include Matters of Local Environmental Significance (MLES) for locally significant species habitat, ecological linkages/wildlife corridors, local wetlands and koala habitat.

## 1.1 Project objectives

While Council have some small patches of high-resolution vegetation mapping (1:10,000 or 1:25,000), the State's current adopted RE vegetation mapping is predominantly mapped at a broad and unrefined scale (most parts of Queensland were prepared at a scale of 1:100,000 or 1:50,000). This project will obtain refined mapping at a 1:25,000 scale.

## 1.2 Study areas

Council identified 11 priority study areas for the Regional Ecosystem mapping (Figure 1).

- Booral
- Burrum Heads 1
- Burrum Heads 2
- Burrum Heads 3
- Burrum Heads 4
- Toogoom
- Nikenbah/Dundowran
- Nikenbah/Kawungan
- Maryborough North
- St Helens
- Tinana


Legend

Study area
- Booral
- Burrum Heads 1
- Burrum Heads 2
- Burrum Heads 3
- Burrum Heads 4
- Maryborough North
- Nikenbah/Dundowran
- Nikenbah/Kawungan
- St Helens
- Tinana
- Toogoom

CRS: GDA 1994 MGA Zone 56
Projection: Transverse Mercator

Scale 1:160000 (A4)

0 1 2 3 km

N

# Figure 1: Study Area Locations

Regional Ecosystem Mapping Project
Fraser Coast Regional Council

| Rev | Description | Drawn | Approved | Date |
|---|---|---|---|---|
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Map Number 1 of 1

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# 2 Methods

## 2.1 Field surveys

Fraser Coast council area was broken up into eleven (11) study areas, Booral, Burrum Heads 1, Burrum Heads 2, Burrum Heads 3, Burrum Heads 4, Maryborough North, Nikenbah/Dundowran, Nikenbah/Kawungan, St Helens, Tinana and Toogoom (Figure 1). These study areas were surveyed in accordance with the Methodology for Survey and Mapping of Regional Ecosystems and Vegetation Communities in Queensland (Neldner et al. 2020).

Surveys were carried out during May and June 2021 by two teams of botanists and ecologists. The following is an outline of the processes used to ground-truth regional ecosystem vegetation mapping in the project study areas:

- Conduct preliminary RE verification over the project area via desktop assessment of satellite imagery.
- Conduct field-based assessment of RE's within the project study areas using Quaternary sites.
- Obtain and examine topological, geological and soil data to determine RE classification.
- Obtain and examine historical satellite imagery to determine vegetation status.
- Verify and accurately map the extent of RE's within the project study areas.

As per the Queensland Herbarium methodology, Quaternary sites are used primarily to verify regional ecosystem and vegetation mapping. Quaternary sites may be collected at regular intervals along a traverse, and/or made where RE's/vegetation communities change. In this case Quaternary sites were collected where RE's were thought to differ and to confirm existing mapping.

Land access was arranged by FCRC, and private properties were surveyed where assess was granted. Where access was restricted, observations were taken from publicly accessible lands with information collected using binoculars where necessary.

Redleaf completed over 700 quaternary sites covering the priority study areas. Photos, site description and GPS coordinates were recorded at each survey site. From the targeted field assessments, the following attributes were ground-truthed:

- Pre-clear vegetation
- Remnant vegetation
- High-value regrowth
- Vegetation cover/height
- Non-remnant areas

Additional environmental values identified in the field were documented with photography, GPS coordinates, and note taking. This included capturing data on:

- Floristic values, including the presence of threatened species.
- Locally significant flora species;
- Koala sightings and presence of scat

## 2.2 Desktop study

A desktop study was carried out post field survey to clarify and confirm observations made in the field. Mapping linework was adjusted based on satellite imagery and aerial imagery for historical clearing, geological mapping and field survey results. The following databases and Geographic Information System (GIS) layers were searched/obtained.

- Department of Environment and Science (2020) Certified Regional Ecosystem Mapping Database (DES Regional Ecosystem Mapping & Preclear Vegetation Mapping).

### 2.2.1 Historical satellite imagery

Desktop analysis included reviewing historical satellite imagery, woody vegetation cover and other orthorectified digital aerial imagery. Interpretation using historical aerial photographs will also assist in determining the existing

vegetation status (remnant, non-remnant or high-value regrowth). And when comparing with on-ground assessments, can help to make a final determination for vegetation mapping units within the study areas.

As per Nelder et. al (2020), in order for vegetation to be classified as High-value regrowth (HVR) or Remnant (R) certain thresholds must be met. For example, HVR applies to vegetation not cleared in the last 15 years. Patches of vegetation in the study area that were considered during field assessment to be of, or close to HVR status were observed and compared to satellite imagery of the same patch back to 2006. If the vegetation had been cleared within this time, the patch did not meet the requirements of HVR classification.

Table 1 shows the satellite imagery obtained from Qimagery to verify if vegetation has been cleared in the last 15 years. This particular patch off Urangan Branch Railway (2RP35492) was surveyed as being of Remnant quality. The vegetation was shown to be cleared in historic sattelite imagery from 1998, but hasn't been cleared since. This patch then meets the non-clearing requirements for HVR.

*Table 1 Satellite imagery showing regrowth of vegetation (1998 – current)*

| | | | |
|---|---|---|---|
|  |  |  |  |
| 15th October 1998 | 1st July 2004 | 21st September 2006 | 2020 – Current imagery (Qimagery) |

### 2.2.2 Geological mapping

Part of the RE Mapping methodology involves the examination of geological maps to determine the land zone category, which is a determining factor for RE classification. Surface geology mapping, topography and soils mapping were searched/obtained from the Queensland Government Publications portal, and this information was used to clarify landzone queries from the field assessment.

# 3 Results

Redleaf recorded 708 quaternary sites across the study areas (Appendix A: Quaternary Sites and Regional Ecosystem Maps and Appendix B: Quaternary site data). The survey has revealed some changes in extent (hectares) based on the Vegetation Management Act status and RE types for the regional ecosystems and ground truthed RE (GTRE) mapping (Table 2 and Table 3).

*Table 2: A comparison of the current Vegetation Management Act 1999 (VMA) Status and ground truthed RE layer( GTRE) in hectares (this study).*

| VMA Status | VMA | GTRE |
|---|---|---|
| High Value Regrowth – Endangered | 172 | 182 |
| High Value Regrowth – Least Concern | 365 | 354 |
| High Value Regrowth – Of Concern | 625 | 268 |
| Non Remnant | 8337 | 8662 |
| Remnant – Endangered | 361 | 360 |
| Remnant Least Concern | 1802 | 2031 |
| Remnant Of Concern | 751 | 552 |
| water | 103 | 108 |
| Total | 12515 | 12515 |

*Table 3: A comparison of the current VMA RE type and ground truthed RE layer in hectares (this study)*

| Regional Ecosystem | RE Description | VMA | GTRE |
|---|---|---|---|
| 12.1.2 | Saltpan vegetation including grassland, herbland and sedgeland on marine clay plains | 5 | 4 |
| 12.1.3 | Mangrove shrubland to low closed forest | 5 | 2 |
| 12.2.11 | *Corymbia tessellaris* +/- *Eucalyptus tereticornis*, *C. intermedia* and *Livistona decora* woodland on beach ridges in northern half of bioregion | 81 | 136 |
| 12.2.12 | Closed heath on seasonally waterlogged sand plains | 16 | - |
| 12.2.13 | Open or dry heath on dunes and beaches | | 15 |
| 12.2.15 | *Gahnia sieberiana*, *Empodisma minus*, *Gleichenia spp.* closed sedgeland in coastal swamps | 6 | 7 |
| 12.2.2 | Microphyll/notophyll vine forest on beach ridges | - | 3 |
| 12.2.7 | *Melaleuca quinquenervia* or rarely *M. dealbata* open forest on sand plains | 126 | 77 |
| 12.2.9 | *Banksia aemula* low open woodland on dunes and sand plains. Usually deeply leached soils | 145 | 159 |
| 12.3.11 | *Eucalyptus tereticornis* +/- *Eucalyptus siderophloia*, *Corymbia intermedia* open forest on alluvial plains usually near coast | 763 | 618 |
| (12.3.11) | Mapping unit requiring resolution/discussion | - | 107 |
| 12.3.11/12.3.5 | *Eucalyptus tereticornis* +/- *Eucalyptus siderophloia*, *Corymbia intermedia* open forest on alluvial plains usually near coast | 585 | 172 |

| Regional Ecosystem | RE Description | VMA | GTRE |
|---|---|---|---|
| | *Melaleuca quinquenervia* open forest on coastal alluvium | | |
| 12.3.11/12.3.6 | *Eucalyptus tereticornis* +/- *Eucalyptus siderophloia*, *Corymbia intermedia* open forest on alluvial plains usually near coast<br>*Melaleuca quinquenervia* +/- *Eucalyptus tereticornis*, *Lophostemon suaveolens*, *Corymbia intermedia* open forest on coastal alluvial plains | 8 | - |
| 12.3.16 | Complex notophyll to microphyll vine forest on alluvial plains | 5 | - |
| 12.3.20 | *Melaleuca quinquenervia*, *Casuarina glauca* +/- *Eucalyptus tereticornis*, *E. siderophloia* open forest on low coastal alluvial plains | 14 | 8 |
| 12.3.3/12.3.20 | *Eucalyptus tereticornis* woodland on Quaternary alluvium<br>*Melaleuca quinquenervia*, *Casuarina glauca* +/- *Eucalyptus tereticornis*, *E. siderophloia* open forest on low coastal alluvial plains | 0 | - |
| 12.3.5 | *Melaleuca quinquenervia* open forest on coastal alluvium | 48 | 187 |
| 12.3.5/12.3.6 | *Melaleuca quinquenervia* open forest on coastal alluvium<br>*Melaleuca quinquenervia* +/- *Eucalyptus tereticornis*, *Lophostemon suaveolens*, *Corymbia intermedia* open forest on coastal alluvial plains | 61 | - |
| 12.3.5/12.3.6/12.3.11 | *Melaleuca quinquenervia* open forest on coastal alluvium<br>*Melaleuca quinquenervia* +/- *Eucalyptus tereticornis*, *Lophostemon suaveolens*, *Corymbia intermedia* open forest on coastal alluvial plains<br>*Eucalyptus tereticornis* +/- *Eucalyptus siderophloia*, *Corymbia intermedia* open forest on alluvial plains usually near coast | 2 | 1 |
| 12.3.6 | *Melaleuca quinquenervia* +/- *Eucalyptus tereticornis*, *Lophostemon suaveolens*, *Corymbia intermedia* open forest on coastal alluvial plains | 12 | 10 |
| 12.3.7 | *Eucalyptus tereticornis*, *Casuarina cunninghamiana subsp. cunninghamiana* +/- *Melaleuca spp.* fringing woodland | 100 | 71 |
| 12.3.8 | Swamps with *Cyperus spp.*, *Schoenoplectus spp.* and *Eleocharis spp.* | 1 | |
| 12.3.20 | *Melaleuca quinquenervia*, *Casuarina glauca* +/- *Eucalyptus tereticornis*, *E. siderophloia* open forest on low coastal alluvial plains | - | 37 |
| 12.5.13 | Microphyll to notophyll vine forest +/- *Araucaria cunninghamii* on remnant Tertiary surfaces | 75 | 25 |
| 12.5.13a | Microphyll to notophyll vine forest +/- *Araucaria cunninghamii* | - | 60 |
| 12.5.2 | *Corymbia intermedia*, *Eucalyptus tereticornis* open forest on remnant Tertiary surfaces, usually near coast | 204 | 123 |
| 12.5.2a* | *Corymbia intermedia* tall open-forest with *L. confertus* and rainforest trees and vine understorey | - | 41 |
| 12.5.2a | *Corymbia intermedia*, *Eucalyptus tereticornis* woodland | 20 | 268 |
| 12.5.2a/12.5.2a* | *Corymbia intermedia*, *Eucalyptus tereticornis* woodland<br>*Corymbia intermedia* tall open-forest with *L. confertus* and rainforest trees and vine understorey | - | 20 |

| Regional Ecosystem | RE Description | VMA | GTRE |
|---|---|---|---|
| 12.5.4 | *Eucalyptus latisinensis* +/- *Corymbia intermedia*, *C. trachyphloia subsp. trachyphloia*, *Angophora leiocarpa*, *Eucalyptus exserta* woodland | 1128 | 1478 |
| 12.5.4a | Woodland of *Melaleuca quinquenervia* and/or *M. viridiflora var. viridiflora* +/- *Eucalyptus latisinensis*, *Corymbia intermedia*, *Angophora leiocarpa*, *E. exserta*, *Lophostemon suaveolens* and *M. nodosa*. | - | 15 |
| 12.5.4/12.5.2 | *Eucalyptus latisinensis* +/- *Corymbia intermedia*, *C. trachyphloia subsp. trachyphloia*, *Angophora leiocarpa*, *Eucalyptus exserta* woodland<br>*Corymbia intermedia*, *Eucalyptus tereticornis* open forest on remnant Tertiary surfaces, usually near coast | 214 | - |
| 12.5.4/12.5.7 | *Eucalyptus latisinensis* +/- *Corymbia intermedia*, *C. trachyphloia subsp. trachyphloia*, *Angophora leiocarpa*, *Eucalyptus exserta* woodland<br>*Corymbia citriodora subsp. variegata* +/- *Eucalyptus portuensis* or *E. acmenoides*, *E. fibrosa subsp. fibrosa* open forest | 165 | - |
| 12.5.5 | *Eucalyptus portuensis*, *Corymbia intermedia* open forest | 1 | - |
| 12.5.7 | *Corymbia citriodora subsp. variegata* +/- *Eucalyptus portuensis* or *E. acmenoides*, *E. fibrosa subsp. fibrosa* open forest | 2 | 82 |
| 12.5.7/12.5.4 | *Corymbia citriodora subsp. variegata* +/- *Eucalyptus portuensis* or *E. acmenoides*, *E. fibrosa subsp. fibrosa* open forest<br>*Eucalyptus latisinensis* +/- *Corymbia intermedia*, *C. trachyphloia subsp. trachyphloia*, *Angophora leiocarpa*, *Eucalyptus exserta* woodland | 276 | - |
| 12.9-10.16 | Araucarian microphyll to notophyll vine forest | 0 | - |
| 12.9-10.17 | *Eucalyptus acmenoides*, *E. major*, *E. siderophloia* +/- *Corymbia citriodora subsp. variegata* open forest on sedimentary rocks | 8 | - |
| 12.9-10.21 | *Eucalyptus acmenoides* or *E. portuensis* woodland usually with *Corymbia trachyphloia subsp. trachyphloia* | - | 28 |
| estuary | | 0 | 0 |
| non-rem | | 8337 | 8662 |
| water | | 103 | 108 |
| **Grand Total** | | **12515** | **12515** |

Several Matters of State Environmental Significance (MSES) and Matters of Local Environmental Significance (MLES) were observed during the survey effort and are recorded in Table 4.

*Table 4: MSES, MNES and MLES found during surveys.*

| Feature | Species | Common name | Date located | Lat | long | Notes |
|---|---|---|---|---|---|---|
| MSES, MNES | *Phascolarctos cinereus* | Koala (scat) | 19.05.21 | -25.34274 | 152.86909 | Found under a large Eucalyptus exserta tree. Site code NK25 for area. |
| | *Phascolarctos cinereus* | Koala (scat) | 18.05.21 | -25.33602 | 152.83821 | Found under large Eucalyptus tereticornis that had lots of scratches on it. Indicating has been used multiple times. |
| | *Samadera bidwillii* | Quassia | 20.05.21 | -25.33500 | 152.85670 | Area where this species is known to exist. Confirmed presence. Did not undertake a count but there were multiple plants. |
| MLES | *Agathis robusta* | Kauri pine | 18.05.21 | -25.33751 | 152.83793 | Large, in private property with some cleared land. |
| | *Acacia bakeri* | Marblewood | 21.05.21 | -25.31338 | 152.81188 | This was not on the list of MLES but this species is uncommon in the Hervey bay area. A count was not conduced but there were multiple individuals in the immediate vicinity of this GPS location. |

Definitions: - MNES – Matter of national environmental significance, MSES – Matter of state environmental significance, MLES – Matter of local environmental significance

## 3.1 Site images

**RE 12.2.13 - Burrum heads**

Quaternary site no. TOBH39. Field verified as RE 12.2.13 Open or dry heath. Characteristic shrubs include stunted *Banksia aemula and Allocasuarina littoralis* as well as *Xanthorrhoea johnsonii, Leptospermum semibaccatum, Phebalium woombye, Dillwynia retorta* and *Caustis recurvata.* Usually occurs on Pleistocene dunes and beach ridges.

**RE 12.3.11 - Nikenbah/Kawungun**

Quaternary site code NK22. Ground-truthed as RE 12.3.11. This RE is described as *Eucalyptus tereticornis +/- E. siderophloia and Corymbia intermedia* open forest to woodland. *Corymbia tessellaris, Lophostemon suaveolens* and *Melaleuca quinquenervia* frequently occur and often form a low tree layer. This image shows the low tree layer dense with *Melaleuca quinquenervia.*

RE 12.5.3 - Nikenbah/Kawungun section

Quaternary site NK24. Field verified as Remnant 12.3.5. *Melaleuca quinquenervia* open forest to woodland. Understorey depends upon duration of water logging; sedges and ferns, especially *Blechnum indicum,* in wetter microhabitats and grasses and shrubs in drier microhabitats. Ground layer species include the

RE 12.5.2a - Nikenbah/Kawungun section

Quaternary site NK18. Field verified as HVR 12.5.2a. This RE is described as *Corymbia intermedia, Eucalyptus tereticornis* woodland. Other species can include *Lophostemon suaveolens, Angophora leiocarpa, Eucalyptus acmenoides* or *E. portuensis, E. siderophloia or E. crebra, Corymbia tessellaris* and *Melaleuca quinquenervia* (lower slopes). *Eucalyptus exserta* is usually present in northern parts of bioregion. Occurs

grasses *Leersia hexandra and Imperata cylindrica,* the sedges/rushes, *Machaerina rubiginosa, Gahnia sieberiana, Lepironia articulata, Schoenus brevifolius and Schoenus scabripes* and the fern *Lygodium microphyllum.* Other tree species that may be present as scattered individuals or clumps include *Lophostemon suaveolens, Eucalyptus robusta, E. tereticornis, E. bancroftii, E. latisinensis, Corymbia intermedia, Melaleuca salicina, Livistona australis, Casuarina glauca, Endiandra sieberi. Melastoma malabathricum subsp. malabathricum, Glochidion sumatranum* and *Melicope elleryana* are often in understorey. Occurs on Quaternary alluvium in coastal areas. (BVG1M: 22a)

on complex of remnant Tertiary surfaces +/- Cainozoic and Mesozoic sediments usually in coastal areas with deep red soils. (BVG1M: 9g)

RE 12.5.4 - Nikenbah/Kawungun section

Ground-truthed as RE 12.5.4. This RE is described as *Eucalyptus latisinensis +/- Corymbia intermedia, C. trachyphloia subsp. trachyphloia, Angophora leiocarpa, Eucalyptus exserta woodland. Other characteristic species include Eucalyptus siderophloia, Lophostemon suaveolens, Melaleuca viridiflora var. viridiflora, M. quinquenervia, M. cheelii and Grevillea banksii.* Patches of *Allocasuarina luehmannii* or *Banksia oblongifolia* present locally and *Xanthorrhoea johnsonii* common in ground layer.

RE 12.5.4 - Nikenbah/Dundowran section

Quaternary site code ND08. Ground-truthed as RE 12.5.4. *Eucalyptus latisinensis +/- Corymbia intermedia, C. trachyphloia subsp. trachyphloia, Angophora leiocarpa, Eucalyptus exserta* woodland on complex of remnant Tertiary surfaces and Cainozoic and Mesozoic sediments.

Non- rem. Nikenbah/Kawungun section

Quaternary site code NK21. Ground-truthed as Non-Rem. Vegetation here had been cleared recently and was noted as regrowth *Acacia leiocalyx, Melaleuca quinquenervia and Eucalyptus tereticornis, with some large remaining remnant Eucalyptus tereticornis canopy trees*

# 4 Discussion

## 4.1 Mapping units requiring resolution/discussion - Booral

**"(12.3.11)"**

(12.3.11) has been used as an interim label for vegetation found to occur widely/uniformly along a level to gently undulating landform ("plain") adjacent to the coastline at Booral. The plain is 300 m – 1000 m wide and slightly elevated above the HAT. It is fringed in places on the seaward side by a narrow sandy beach ridge vegetated with small patches of RE 12.2.11. The geology comprises sedimentary sub-formations of the Maryborough Formation, with little to no evidence of Tertiary weathering. Rock is exposed along the shore below the plain. There appears to be an incipient drainage pattern – the hillshade option under Elevation in Qld Globe indicates small gullies rising on the hillslopes and becoming diffuse at the break of slope at the edge of the plain.

The aerial photo record shows the area was more or less entirely cleared and cropped in places. A parkland type tree cover (thinned, no understorey, mowed) is present in places (Image 1) and some localised remnants (older regrowth?) are present. The remnant patches have been mapped by the Herbarium as 12.3.11 along with some RE 12.5.2 and 12.5.4. The main retained canopy trees are *E. tereticornis +/- E. siderophloia* and *C. intermedia*. *Acacia* spp., and *Melaleuca* spp. are present in the understorey in less disturbed places. "(12.3.11)" merges into 12.5.4 or 12.5.2a at the base of hillslopes.

Based upon field observations it is suggested that land zone 3 is not the predominant land zone associated with this landform.

**12.5.2a**

RE 12.5.2a is described as Corymbia intermedia, Eucalyptus tereticornis woodland. Other species listed that may occur in the ecological community include Lophostemon suaveolens, Angophora leiocarpa, Eucalyptus acmenoides/E. portuensis, E. siderophloia or E. crebra, Corymbia tessellaris and Melaleuca quinquenervia (lower slopes). Eucalyptus exserta is usually present in northern parts of bioregion.

The above description is a good general fit for much of the vegetation on stony soils associated with several prominent ridges on beds of hardened siltstone south of Hervey Bay between Dundowran and River Heads, part of the Maryborough Formaton (Willmott 2016). The following specific patterns were detected:

1. *Corymbia intermedia – E. tereticornis* tall open-forest/open-forest +/- rainforest understorey and/or patches of rainforest. Mostly cleared/regrowth. Regrowth contains *Acacia disparrima* which can form a mid-dense T1 15 – 22 m tall +/- occasional *E. tereticornis* and *C. intermedia*.
2. Tall open forest to open forest of *C. intermedia* with a T2 layer of *Lophostemon confertus* and scattered rainforest trees (Image 2). Rainforest trees, vines and shrubs form T3 and S layers and there are localised patches of rainforest. Appears to occur on unweathered sedimentary rocks on the seaward side of the ridge
3. *C. intermedia – E. exserta* woodland with a closed T2 layer of *Lophostemon confertus* and sparse shrub and ground layers (in places trends to low closed forest of *L. confertus* with emergent *Eucalyptus*). Fringes the 12.5.2a*.
4. *Eucalyptus acmenoides* dominant open-forest (Image 3). Note that *E. acmenoides/ E. portuensis* are grouped together here as they are difficult to distinguish (see notes below).
5. A woodland to shrubby woodland with *E. latisinensis, E. exserta*, *E. siderophloia, Angophora leiocarpa.*

Much of the vegetation appears to be regrowth although some patches with large old trees were sampled. An occurrence of the *Corymbia intermedia* tall open forest had evidence of historical storm damage (windthrown trees).

The following interim units have been recognised:

- *Corymbia intermedia, E. tereticornis* (tall) open-forest has been mapped as 12.5.2.

- The *Corymbia intermedia* tall open-forest with *L. confertus* and rainforest trees and vine understorey has been mapped as 12.5.2a*.
- The *C. intermedia. E. exserta* woodland with the dense layer of *L. confertus* has been mapped as 12.5.4 although *E. latisinensis* is rare/absent.
- The woodland with *E. latisinensis* + other species fits RE 12.5.4.
- *The Eucalyptus acmenoides* dominant open-forest has been mapped as RE 12.9/10.21.
- Regrowth has been mapped and labelled "regrowth *A. disparrima*" +/- rainforest species.

It is worth noting that apart from some occurrences of 12.5.2 (Image 4), much of the vegetation appears to occur on unweathered sedimentary rocks (LZ 9/10). It is acknowledged, though, that the RE descriptions allow for occurrences on weathered land surfaces and associated sedimentary rocks.

**12.5.4a**

The RE comprises Melaleuca quinquenervia/M. viridiflora/Lophostemon suaveolens and 12.5.4 species.

Occurrences of vegetation consistent with 12.5.4a occurring on flat terrain (Tertiary surface remnant) south of the airport, for example in the vicinity of the aptly named Ti Tree Rd West, have been tentatively classified as 12.5.4a. The RE mapping identifies RE 12.3.6 as being present although no watercourses/alluvial deposits are apparent (Image 5) with the presence of Melaleuca reflecting impeded drainage or seasonal ground water conditions.

It also appears that isolated remnants of 12.5.4 in peri-urban areas can become invaded by M. quinquenervia in the absence of fire and/or through altered hydrology which subsequently changes structure and floristic composition.

**Geology unit QC**

QC comprises sand, muddy sand, minor mud and peat: coastal plain deposits (undifferentiated swamps, tidal flats, beach-ridges and dunes) SW corner of survey area (Curran St, Wheeley and Rowley Roads) This area is heavily fragmented/altered by peri-urban land use. The RE mapping has assigned areas associated with the QC in this locality as LZ 3 and this LZ decision has been adopted here (noting that QC can also be assigned LZ 2 depending upon the texture of the sediments).

***Image 1.*** *Retained/regrowth E. tereticornis on level/gently undulating terrain, Janine Road Booral*

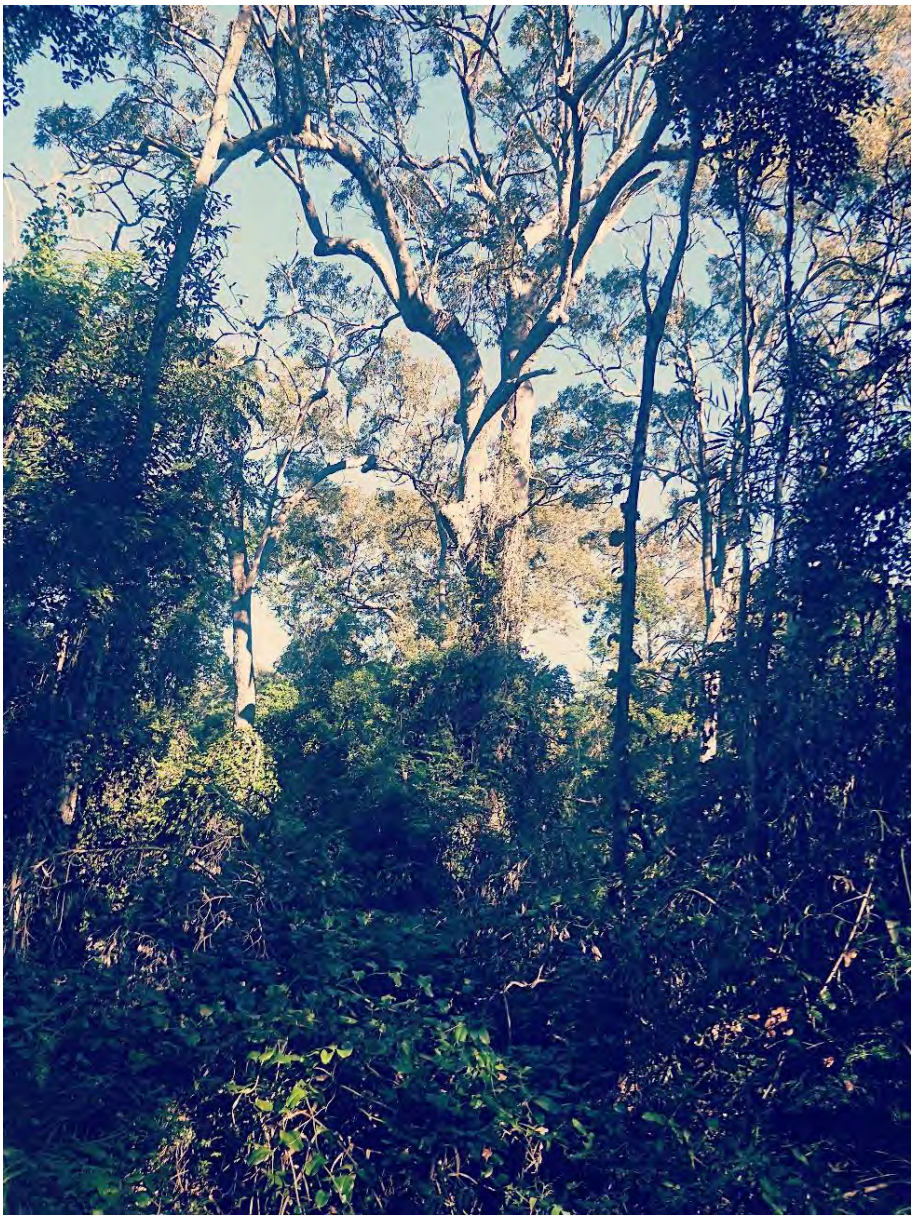

***Image 2*** *Corymbia intermedia tall open forest ("12.5.2a*).*

Image 3 *Eucalyptus acmenoides* open-forest

***Image 4*** *Some of the 12.5.2 is confirmed as occurring on deeply weathered material (laterite/duricrust). The image shows an example adjacent to a road cutting exposing a deep weathering profile (see Willmott 2016 for a detailed description of deep weathering) where termites have brough red clay-loam soil to the surface.*


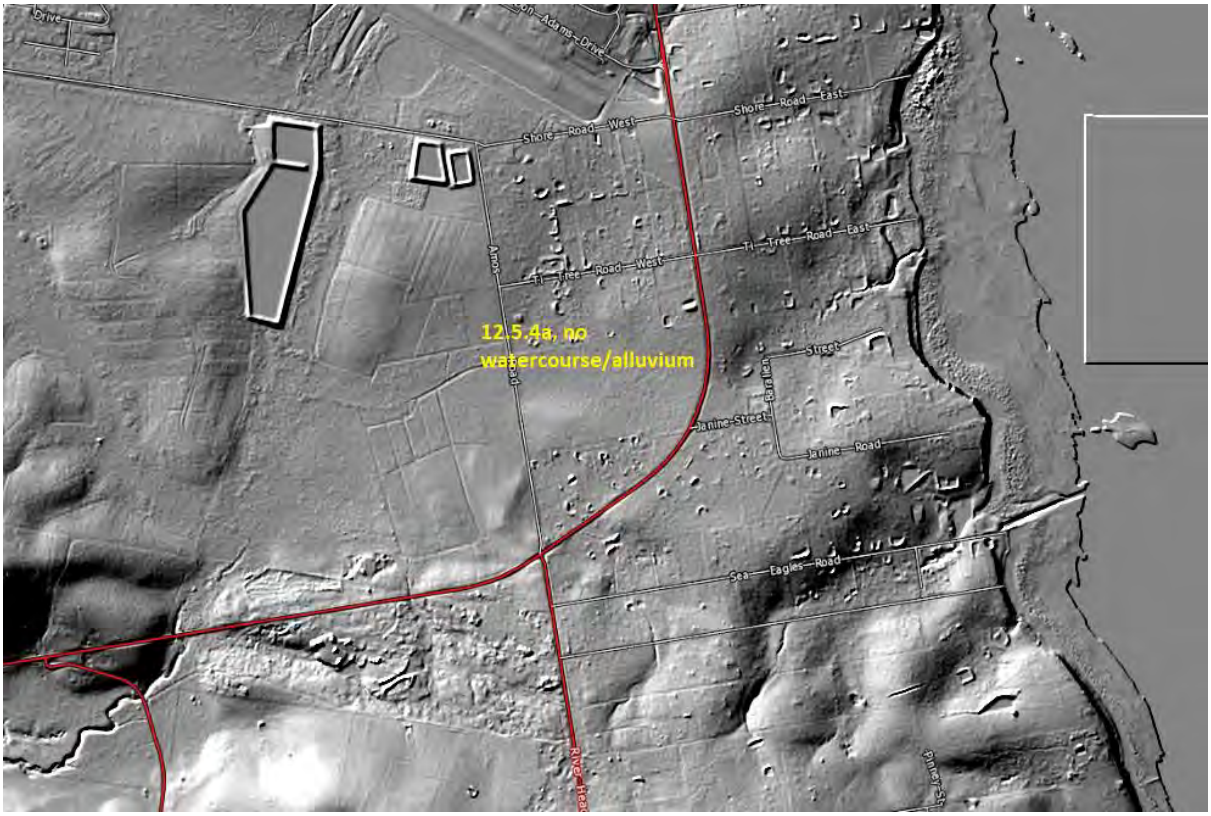


***Image 5.*** *Occurrence of 12.5.4a? (top) on level terrain with no evidence of watercourse/alluvial deposits south of the airport.*

## 4.2 Notes on E. acmenoides/portuensis and E. latisinensis

*Eucalyptus acmenoides* and *E. portuensis* are difficult to distinguish and the latter is not formally recognised as a separate species within Eucalypts of Australia 4th Edition, accessed at: https://apps.lucidcentral.org/euclid/text/intro/about.htm.

*Eucalyptus acmenoides* is readily distinguished from *E. latisinensis* by leaf texture and colour – *E. latisinensis* has thick, leathery concolourous, mid to dark green leaves while *E. acmenoides* has thin-textured, mid-green coloured leaves that are somewhat discolorous (around Maryborough they do not appear to be as strongly discolorous as some other places).

## 4.3 Discussion points associated with REs, Maryborough

**Heterogeneous polygons with 12.5.4 (*E. latisinensis, C. trachyphloia* etc woodland/open-forest/12.5.7 (*C. citriodora* etc open-forest).**

Each polygon was visited and it has been possible to label areas with a single RE.

**Heterogeneous polygons with 12.3.11 Eucalyptus/Corymbia spp., with Melaleuca/L. suaveolens T2 layer/12.3.5 (*M. quinquenervia* open-forest) or 12.3.6 Eucalyptus- M. quinquenervia – L. suaveolens open-forest**

RE 12.3.11 was found to range from a woodland to (tall) open-forest with sparse to mid-dense T2 layer. The *Eucalyptus* are generally somewhat taller than the *Melaleuca/Lophostemon suaveolens.* However, there is a gradation and distinguishing 12.3.11 from 12.3.6 is not clear cut.

In the surveyed areas patches of 12.3.5 were generally confined to small areas where drainage has been altered (through increased waterlogging?) resulting in dense even-aged or "pole" regrowth of *M. quinquenervia*. Several small patches have been mapped.

Localised patches of the 12.3.11 surveyed have a relatively dense *M. quinquenervia* and *L. suaveolens* T2 layer (up to 65% cover) and may qualify for consideration as RE 12.3.6. However, these areas are small, and as noted above, the T1 layer is predominantlyinantly or exclusively *Eucalyptus/Corymbia* (mainly *E. tereticornis, E. exserta, C. intermedia*). Consequently, they were considered to fall within the rather broad definition of 12.3.11.

The channels of Deadman's Gully (watercourse south of railway crossing on highway) and Saltwater Creek are incised. The vegetation within banks along Deadman's Gully has been mapped as 12.3.5 while west of the highway Saltwater Creek has more mixed composition and has been mapped as 12.3.6. Saltwater Creek east of the highway has a narrow channel with brackish water influence reflected by presence of *Hibiscus tiliaceus, Casuarina glauca* and *Acrostichum speciosum* as well as *M. quinquenervia*. It has been mapped in the interim as a fringing community (12.311) but RE 12.3.20 may be a better fit.

## 4.4 Discussion points associated with REs, Burrum Heads - Toogoom

**Quaternary coastal surface geology units - Land zones based upon Wilson and Taylor (2012)**

Qhcs – mud, supratidal flat. All LZ 1

Qcw – mud, muddy sand, sand, peat/swamp deposits. **NB** Mainly LZ2, fine textured material = LZ3

Qhcb - fine to coarse sand of younger beach ridge/swales. All LZ 2

Qpbc/2 moderately old beach ridge/swale systems. All LZ 2

Qpbc – older degraded beach ridge/swale systems. All LZ 2

1. Some small patches of *E. moluccana* were noted and mapped at Burrum Heads and Toogoom on areas with surface geology mapped as sand-dominant (Qhcb and Qpbc/2). There is no close RE match within LZ 2 and the patches have not been assigned an RE at present. They may be growing on localised/unmapped occurrences of old estuarine material (e.g. Qcw = LZ3). Some of the 12.2.7 *M. quinquenervia* open-forest at Toogoom associated with, or close to mapped Qcw was found to have a

loam to clay loam surface soil. However, these areas have been retained as 12.2.7 in line with the current RE mapping.

2. An area sampled in the south-west corner of the Toogoom survey area (north of Oregan Creek Rd and west of Toogoom Rd) appears to be on LZ 2 as opposed to duricrust/ sedimentary rocks indicated by the surface geology mapping. Consequently, an area mapped as 12.5.4 has been re-mapped as 12.2.11 and other minor refinements made.
3. Polygons mapped as 12.2.12 Closed/wet heath were sampled at Burrum Heads and Toogoom. The vegetation was found to be more closely aligned to RE 12.2.13 Open or dry heath and most of the characteristic shrubs listed for the RE (*Banksia aemula, Allocasuarina littoralis, Xanthorrhoea johnsonii, Leptospermum semibaccatum, Phebalium woombye, Dillwynia retorta and Caustis recurvata*) were recorded.

Loamy surface soil (rather than sand/peaty sand) under an occurrence of RE 12.2.7 at Toogoom

# 5 References

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# Appendix A: Quaternary Sites and Regional Ecosystem Maps

Fraser Coast REGIONAL COUNCIL

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Burrum Heads 1
- Burrum Heads 2
- Burrum Heads 3

Regional Ecosystems

- 12.2.11
- 12.2.13
- 12.2.15
- 12.2.7
- 12.2.9
- 12.3.20
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

redleaf ENVIRONMENTAL

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| Date | 03/08/2021 |
| Version | 1.0 |
| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 1 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Burrum Heads 3
- Burrum Heads 4

Regional Ecosystems

- 12.3.20
- non-rem

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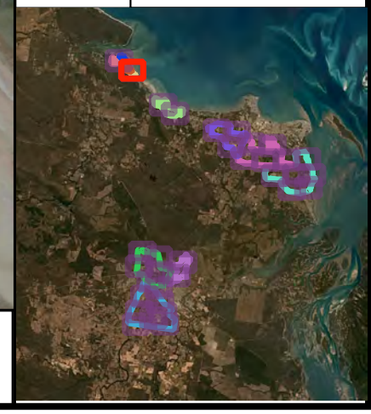
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 2 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Toogoom

Regional Ecosystems

- 12.1.2
- 12.2.11
- 12.2.13
- 12.2.7
- 12.2.9
- non-rem

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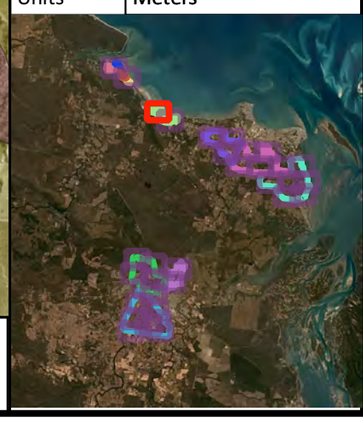
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 3 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Toogoom

Regional Ecosystems

- 12.2.11
- 12.2.13
- 12.2.2
- 12.2.7
- 12.2.9
- non-rem

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|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 4 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Dundowran

Regional Ecosystems

- 12.3.11
- 12.5.13
- 12.5.4
- 12.5.7
- non-rem

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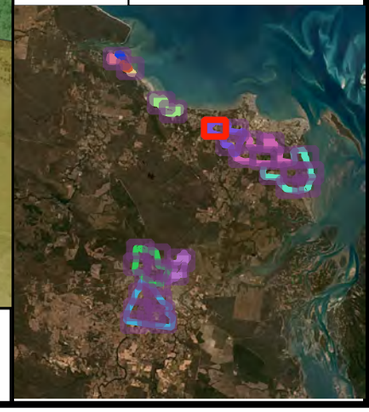
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 5 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Dundowran
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.20
- 12.3.5
- 12.5.13
- 12.5.13a
- 12.5.2
- 12.5.4
- non-rem

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| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 6 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Dundowran
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.3.20
- 12.3.5/12.3.6/12.3.11
- 12.5.13
- 12.5.2
- 12.5.4
- non-rem

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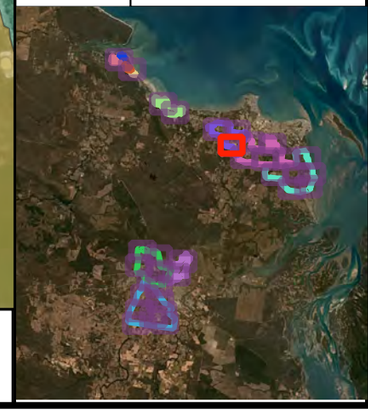
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 7 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Dundowran
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.3.20
- 12.3.5
- 12.5.13
- 12.5.13a
- 12.5.2
- 12.5.4
- non-rem

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| Projection | Transverse Mercator |
| Units | Meters |

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| Version | 1.0 |
| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 8 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Dundowran
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.3.5
- 12.5.2
- 12.5.4
- non-rem
- water

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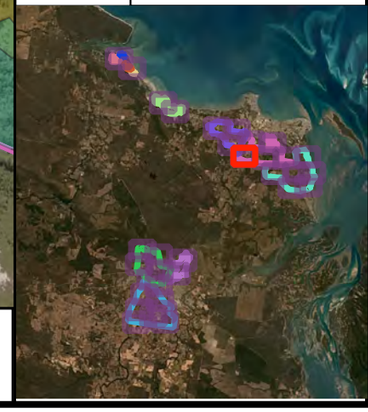
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 9 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.3.5
- 12.5.13
- 12.5.2
- 12.5.2a
- 12.5.4
- non-rem
- water

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| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 10 of 33

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Fraser Coast REGIONAL COUNCIL

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.5.13
- 12.5.2
- 12.5.4
- non-rem

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| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 11 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.2
- 12.5.4
- non-rem
- water

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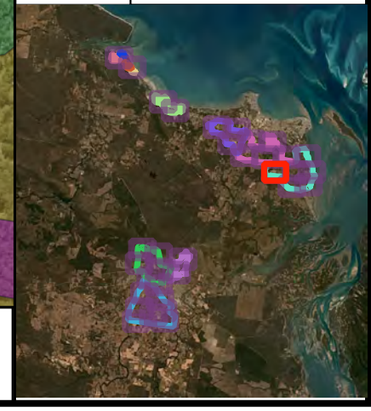
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 12 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

## Legend

- Qsites

Study area

- Booral
- Nikenbah/Kawungan

Regional Ecosystems

- 12.3.11
- 12.3.11/12.3.5
- 12.3.5
- 12.5.13
- 12.5.2
- 12.5.4
- 12.5.4a
- 12.9-10.21
- non-rem

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Map Set - Regional Ecosystems & Quaternary sites- Map 13 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.13
- 12.5.2
- 12.5.2a
- 12.5.4
- non-rem
- water

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| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 14 of 33

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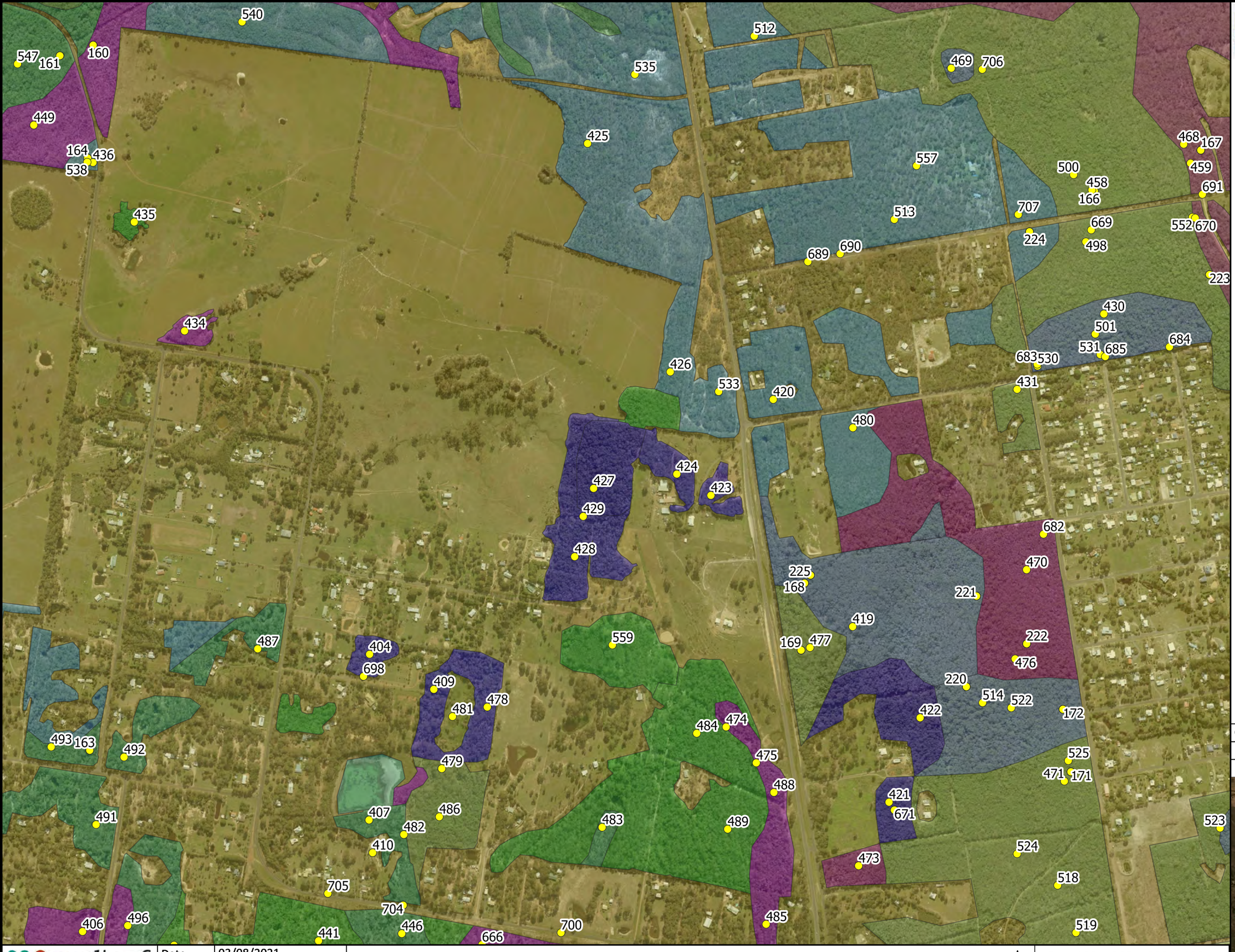


Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral

Regional Ecosystems

- (12.3.11)
- 12.3.11
- 12.3.5
- 12.5.13
- 12.5.2
- 12.5.2
- 12.5.2a
- 12.5.2a
- 12.5.4
- 12.9-10.21
- non-rem
- water

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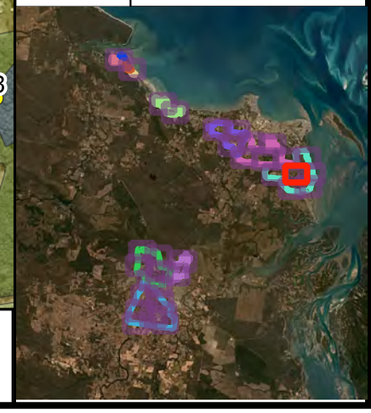
| Units | Meters |



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| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 15 of 33

N

0 100 200 300 400 m

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral

Regional Ecosystems

- (12.3.11)
- 12.2.11
- 12.3.11
- 12.5.2
- 12.5.2a
- 12.5.2a
- 12.5.4
- 12.5.4a
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

redleaf ENVIRONMENTAL

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| Date | 03/08/2021 |
| Version | 1.0 |
| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 16 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral

Regional Ecosystems

- (12.3.11)
- 12.2.11
- 12.3.5
- 12.5.13
- 12.5.2
- 12.5.2
- 12.5.2a
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

redleaf ENVIRONMENTAL

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| Date | 03/08/2021 |
| Version | 1.0 |
| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 17 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Booral

Regional Ecosystems

- (12.3.11)
- 12.2.11
- 12.5.13
- 12.5.2
- 12.5.2a
- 12.5.4
- non-rem

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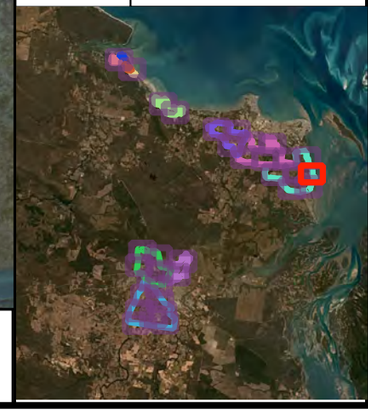

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Map Set - Regional Ecosystems & Quaternary sites- Map 18 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North

Regional Ecosystems

- 12.3.11
- 12.5.4
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

redleaf ENVIRONMENTAL

| | |
|---|---|
| Date | 03/08/2021 |
| Version | 1.0 |
| Drawn by | Kaitlyn Cavanagh |

Map Set - Regional Ecosystems & Quaternary sites- Map 19 of 33

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Fraser Coast REGIONAL COUNCIL

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.4
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 20 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.4
- non-rem

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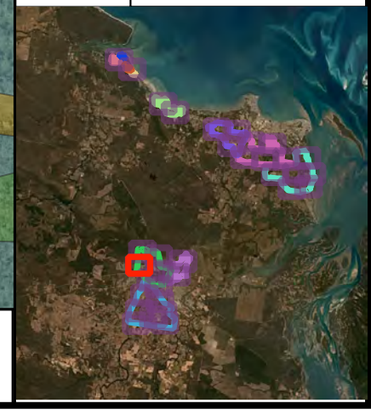
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 21 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North
- St Helens

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.4
- non-rem

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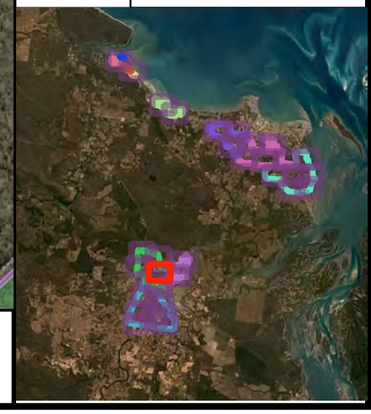
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 22 of 33

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# Regional Ecosystem Mapping

**Legend**

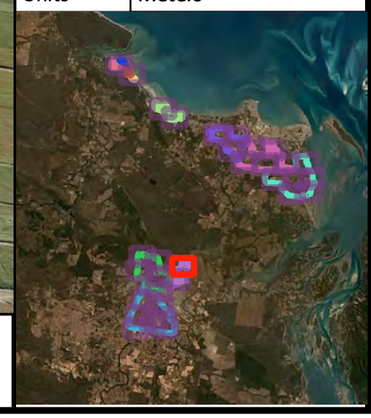
Study area

- St Helens

Regional Ecosystems

- 12.1.2
- 12.3.11
- 12.3.20
- 12.3.5
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 23 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North
- Tinana

Regional Ecosystems

- 12.3.11
- 12.3.5
- 12.5.4
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 24 of 33

N

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North
- St Helens

Regional Ecosystems

- 12.3.11
- 12.3.20
- 12.5.4
- 12.5.7
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
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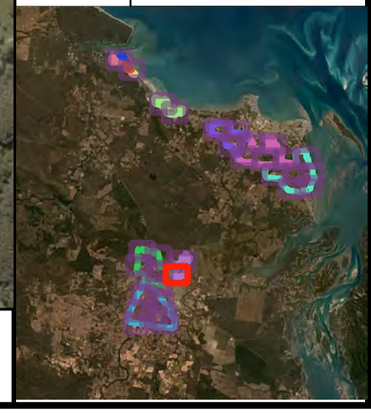
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 25 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Maryborough North
- St Helens
- Tinana

Regional Ecosystems

- 12.3.11
- 12.5.4
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 26 of 33

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# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.5.4
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 27 of 33

N

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.5.4
- non-rem
- water

293 294 295 291 292 393 392 309 310 308 296 297 238 391 290 298 299 226

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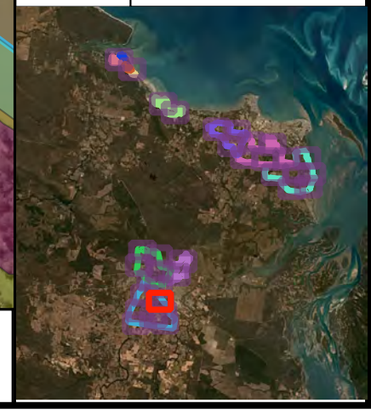
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 28 of 33

N

0 100 200 300 400 m

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.5.2
- 12.5.4
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |

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Map Set - Regional Ecosystems & Quaternary sites- Map 29 of 33

N

0 100 200 300 400 m

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

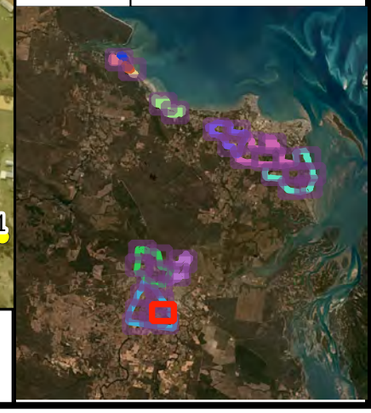
Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.3.20
- 12.5.4
- 12.5.7
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 30 of 33

N

0 100 200 300 400 m

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Fraser Coast REGIONAL COUNCIL

# Regional Ecosystem Mapping

**Legend**

- Qsites

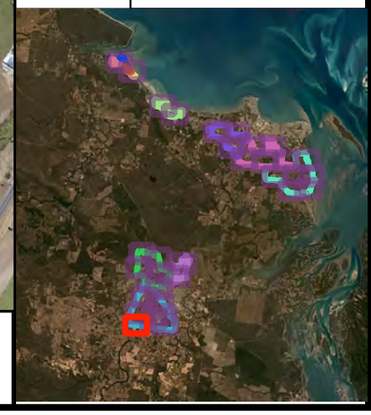
Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.5.13
- 12.5.2
- 12.5.4
- non-rem
- water

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 31 of 33

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.3.20
- 12.5.13
- 12.5.2
- 12.5.4
- 12.5.7
- non-rem

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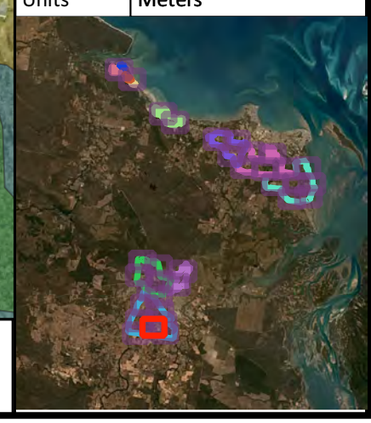
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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Map Set - Regional Ecosystems & Quaternary sites- Map 32 of 33

N

0 100 200 300 400 m

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Fraser Coast Regional Council

# Regional Ecosystem Mapping

**Legend**

- Qsites

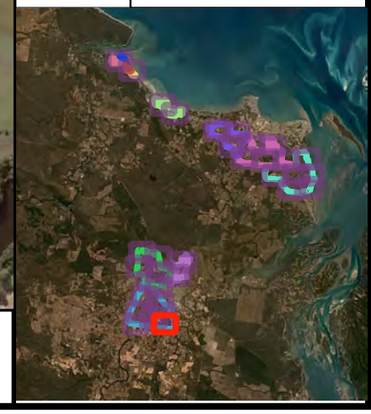
Study area

- Tinana

Regional Ecosystems

- 12.3.11
- 12.3.20
- 12.5.4
- 12.5.7
- non-rem

| | |
|---|---|
| CRS | GDA 2020 MGA Zone 56 |
| Projection | Transverse Mercator |
| Units | Meters |



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| Date | 03/08/2021 |
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Map Set - Regional Ecosystems & Quaternary sites- Map 33 of 33

N

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# Appendix B: Quaternary site data

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 1 | -25.30599 | 152.79715 | 12.5.2a | 12.5.2, 12.5.3 | 12.5.4 | Mid dense understory, with emergent E. tereticornis. Cattle on property. Whole block uniform, with varying degrees of regrowth. |
| 2 | -25.30419 | 152.77214 | 12.5.4 | 12.5.4 | 12.5.4 | Open forest dominated by bloodwood and stringybark. Open midstorey with regen. Great quality vegetation (on other side of road too). |
| 3 | -25.30799 | 152.77399 | 12.5.4 | Non-rem | 12.5.4 | On road easement between private property and road. Big long patch of good remnant vegetation. Midstorey dominated by G. banksii and B. oblongifolia. Canopy dominated by bloodwoods (whole patch). |
| 4 | -25.30754 | 152.78777 | 12.3.11 | 12.5.3 | 12.3.11 | Open E. tereticornis woodland. Huge tereticornis emergents. Shrubby rainforest understorey |
| 4 | -25.30754 | 152.78777 | 12.3.11 | 12.5.3 | 12.3.11 | Open E. tereticornis woodland. Huge tereticornis emergents. Shrubby rainforest understorey |
| 5 | -25.30137 | 152.77075 | 12.5.4 | 12.5.4/12.5.7 | 12.5.4 | Small patch of remnant vegetation only to just around the dam. Further isn't remnant or anything - no large trees. |
| 6 | -25.30029 | 152.76929 | 12.5.4 | Non-rem | 12.5.7 | Small patch of rem open woodland dominated by E. fibrosa. Limited T2 layer. E. Fibrosa dominant. |
| 7 | -25.29614 | 152.7626 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland with open midstorey. Sections of M. quinquenervia thickets. Horses in paddock. Great condition. Note: Private property, renter didn't know. |
| 8 | -25.29425 | 152.76094 | 12.5.4 | 12.5.4 | 12.5.4 | Same as ND08. Slightly more dense than ND08, with M. quinquenervia midstorey. (near waterbody). |
| 9 | -25.30149 | 152.76248 | 12.5.4 | 12.5.4 | 12.5.4 | Looked at from Green Acres Rd. Open woodland, with dense midstorey of M. quinquenervia. RE around dam and further into other block. |
| 10 | -25.28674 | 152.75949 | 12.5.13a | 12.5.13a | Non-rem | Non Rem w/ tiny patch of remnant trees but not enough to be rem. A. disparrima dominant. |
| 11 | -25.28671 | 152.76765 | 12.3.11 | 12.3.11 | 12.3.11 | A bit weedy. Cows in paddock. No Eucalypt canopy layer. Mid dense understorey |
| 12 | -25.28652 | 152.78264 | 12.3.20 | 12.3.20, 12.3.11 | Non-rem | Non Rem. No vegetation. Cleared farmland. |
| 13 | -25.28611 | 152.7785 | 12.3.11 | 12.3.11 | 12.3.11 | Big remnant E. tereticornis, Melaleuca + Acacia understorey. Good remnant patch on private property. Can't see ground cover. |
| 14 | -25.28587 | 152.77698 | 12.3.11 | 12.3.11, 12.5.13, NR | 12.3.11 | Not tall enough to be rem. Open woodland HVR. Dominated by E. tereticornis regrowth and Acacia |
| 15 | -25.29827 | 152.79031 | 12.3.5 | Non-rem | Non-rem | Big emergent remnant Eucalypts in height and coverage but missing remnant understorey. Off road in patch of private property. (Roadside stretch looks over remnant). |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 16 | -25.30099 | 152.7886 | 12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Remnant patch of vegetation surrounded by HRV. Grassey understorey. Dense patches - Rem. Great quality. Notes: This one is within NK16. Throw in to patch of mapped vegetation. |
| 17 | -25.301132 | 152.78847 | 12.3.5 | Non-rem | 12.3.5 | Remnant (smallish patch) with emergent E. tereticornis with M. quinquenervia dominated understorey. (Thicket). |
| 18 | -25.3294 | 152.7933 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland sector with E. tereticornis, E. exserta and Corymbia emergents with open midstorey. Great quality. (Rail trail section). |
| 19 | -25.32714 | 152.79523 | 12.5.4 | Non-rem | 12.5.4 | This patch should be mapped as Rem along rail line. Open eucalypt woodland with open understorey. Viewed from roadside. |
| 20 | -25.32693 | 152.79262 | 12.5.4 | 12.5.4 | 12.5.4 | Same vegetation as rail trail, open woodland with emergent Eucalypts. Bit of pine in this section. |
| 21 | -25.32653 | 152.79024 | 12.5.4 | 12.5.4 | 12.5.4 | This whole little patch in 12.5.4 HVR. Open eucalypt woodland with shrubby regrowth Eucalypts/Corymbia/Melaleuca. No emergent Eucalypts |
| 22 | -25.30827 | 152.80173 | 12.5.2a | Non-rem | Non-rem | Non Rem. Dominated by Acacias. Halfway in lots of exotic grasses and guava. |
| 23 | -25.30582 | 152.80653 | 12.5.13a | 12.5.2a/12.5.13a | Non-rem | 1184 WP *Non Rem* |
| 24 | -25.31097 | 152.80428 | 12.5.2a | Non-rem | Non-rem | Non Rem. Dense acacias with some eucalypt regen (very small). **Baptist church site section backing onto road. |
| 25 | -25.31297 | 152.80452 | 12.5.2a | 12.5.2a | 12.5.2a | Small remnant section between tip and the road. Going further up to the hill in turns into low qual Acacia section. (Just this little section is rem). |
| 26 | -25.31095 | 152.80136 | 12.5.2a | Non-rem | Non-rem | No large canopy trees. Non Rem. Dominated by Acacia with some M. quinquenervia. |
| 27 | -25.31102 | 152.80481 | 12.5.2a | 12.5.2a | 12.5.2a | Same as ND25 but HVR. Dense regrowth with some eucalypt but dominated by acacias. On highway. |
| 28 | -25.34131 | 152.88928 | 12.5.4 | Non-rem | 12.3.6 | Section next to intersection. Open Rem woodland, open midstorey. |
| 29 | -25.34101 | 152.88959 | 12.3.6 | Non-rem | 12.3.6 | Open woodland with mid dune understorey of M. quinquenervia and Acacia. Great oval, very old (PBH large) trees. Notes: Points in this patch are the edges of the RE's  show the split between RE's. |
| 30 | -25.34024 | 152.89081 | 12.5.4 | 12.5.4 | 12.5.4 | *Same as NB01. Great patch of Rem vegetation. Old trees. Open woodlands, with open midstorey. |
| 31 | -25.33996 | 152.89136 | 12.5.4 | 12.5.4 | 12.5.4 | House section (cut out of mapping). Good oval remnant. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 32 | -25.33945 | 152.89166 | 12.5.4 | Non-rem | 12.5.4 | Dominated by ironbark, C. intermedia, and E. tereticornis. Great oval remnant. Now understorey (cleared) in house block (cut out section). Note: This should be included in mapped RE. |
| 33 | -25.34012 | 152.89066 | 12.5.4 | 12.3.6 | 12.3.6 | Start of RE 12.3.6 again. E. tereticornis dominated woodland, with M. quinquenervia midstorey (dense). Same as NB02. |
| 34 | -25.34106 | 152.88936 | 12.5.4 | 12.3.6 | 12.5.4 | Small patch around + behind house. (The vegetation around and behind house in remnant.) C. intermedia + E. tereticornis dominant. Cleared understorey around house. |
| 35 | -25.33379 | 152.89529 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodlands patch. Dominated by bloodwoods and a. lithoralis. Open understorey. Good quality. This block all the same RE. |
| 36 | -25.33368 | 152.89554 | 12.5.4 | 12.5.4 | 12.5.4 | Same as NB08 - across road. Whole patch along road is the same. Open woodland with open understorey. Notes: WP 1200 = nothing |
| 37 | -25.33063 | 152.89424 | 12.5.4 | 12.5.4 | 12.5.4 | House block. Rem trees thinned understorey in patches. |
| 38 | -25.33076 | 152.89366 | 12.5.4 | Non-rem | 12.5.4 | HVR, can only see HVR port - could be rem towards back of block where it's mapped. Missing large canopy trees. Good HVR patch in non-Rem section. |
| 39 | -25.33394 | 152.88748 | 12.5.4 | Non-rem | 12.3.6 | Next to patch of Rem 12.3.6. Canopy trees left - cleared understorey but now native grasses. Open woodland. Private land. |
| 39 | -25.33394 | 152.88748 | 12.3.6 | Non-rem | 12.3.6 | Next to patch of Rem 12.3.6. Canopy trees left - cleared understorey but now native grasses. Open woodland. Private land. |
| 40 | -25.32592 | 152.89195 | 12.5.4 | Non-rem | 12.5.4 | This whole block falling (Share Rd West) is HVR. Eucalypts same size as rest of Acacia and melaleucas. |
| 41 | -25.3261 | 152.89082 | 12.5.4 | Non-rem | Non-rem | Non Rem section (horse this block only). Planted trees. |
| 42 | -25.32866 | 152.89444 | 12.5.4 | 12.5.4 | 12.5.4 | Whole big patch of vegetation. Shore Rd East and Ti Tree Rd East - Rem 12.5.4. Open woodland with mid dense understorey. |
| 43 | -25.32971 | 152.90111 | 12.5.4 | Non-rem | 12.3.11 | This point is the edge of the RE 12.3.11. (Between here and ocean) see map. Remnant trees with open (cleared) midstorey/understorey). |
| 44 | -25.306 | 152.83996 | 12.5.13a | Non-rem | Non-rem | Rassmussens Rd, small patch off rd easement. Of Non Rem? exotic sp. |
| 45 | -25.30739 | 152.84126 | 12.5.13a | Non-rem | Non-rem | Northern roundabout section of HVR looking vegetation. |
| 46 | -25.31076 | 152.84386 | 12.5.13a | 12.5.2 | 12.5.2 | In property near second roundabout. Big patch of vegetation. Looks like developing potentially? *black head flying fox |
| 47 | -25.31266 | 152.84494 | 12.5.13a | 12.5.2a | 12.5.2 | Small patch of Rem (mapped) off roundabout - south of road. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 48 | -25.31384 | 152.84593 | 12.5.13a | 12.5.13 | 12.5.2 | Shrubby Acacia regrowth with emergent E. tereticornis and emergent C. intermedia |
| 49 | -25.31542 | 152.8489 | 12.3.11 | 12.3.11 | 12.3.11 | Acacia/Melaleuca quinquenervia understorey and regrowth with open emergent eucalypt and M. quinquenervia |
| 50 | -25.31422 | 152.84979 | 12.3.11 | 12.3.11 | 12.3.11 | Section by roadside with large Corymbia and E. tereticornis. Open woodland. |
| 51 | -25.31389 | 152.8524 | 12.3.11 | 12.3.11 | 12.3.11 | Section of remnant midslopes open forest with E. tereticornis, w shrub layer of A. littoralis, A. leiocalyx, M. quinquenervia, and open grassy ground layer. |
| 52 | -25.31503 | 152.85339 | 12.3.11 | 12.3.11 | 12.3.11 | Mid dense / dense canopy of M. quinquenervia with small creek flowing through |
| 53 | -25.30849 | 152.85268 | 12.5.4 | 12.5.4 | 12.5.4 | Mid dense M. quinquenervia with emergent E. exserta and E. tereticornis |
| 54 | -25.31059 | 152.85271 | 12.3.11 | 12.5.4 | 12.5.4 | Remnant mid dense M. quinquenervia with emergent E. exserta and E. tereticornis. Notes: characteristics are nearly exactly the same as NK10 |
| 55 | -25.31183 | 152.85175 | 12.3.11 | Non-rem | 12.3.11 | HVR in separate block. M. quinquenervia, with emergent E. tereticornis and C. intermedia canopy. |
| 56 | -25.30573 | 152.85075 | 12.5.4 | Non-rem | Non-rem | Open Non Rem with tall eucalypt and Corymbia. Good mature trees. |
| 57 | -25.3203 | 152.85168 | 12.3.11 | Non-rem | 12.3.11 | Good quality HVR opposite oval. Emergent Eucalypts with dense M. quinquenervia understorey. |
| 58 | -25.32051 | 152.85435 | 12.3.11 | 12.3.11 | 12.3.11 | Remnant mid dense with M. quinquenervia understorey. Eucalypt woodland. In good condition. |
| 59 | -25.32083 | 152.85429 | 12.3.11 | 12.3.11 | 12.3.11 | Other side of road, same as above. Remnant good quality. Southern side. |
| 60 | -25.33 | 152.84312 | 12.5.2a | Non-rem | Non-rem | Open shrub non remnant. Exotic grasses and lantana. Immediately opposite detention pond. Surrounding areas are cleared - non rem also. This Q site is representative of the rest of this block (to the right) on map. |
| 61 | -25.33104 | 152.83708 | 12.3.11/12.3.5 | Non-rem | 12.5.2a | Open woodland with large E. tereticornis. Sparse shrubs. Same as NK19 but without thick understorey. High value regrowth. Block has more shrubs in certain sections. |
| 62 | -25.33128 | 152.83727 | 12.3.11/12.3.5 | Non-rem | 12.5.2a | Non mature HVR Dense midstorey / understorey with scattered big eucalypt |
| 63 | -25.33106 | 152.8353 | 12.3.11/12.3.5 | Non-rem | 12.5.2a | Remnant open woodland with large Eucalypts, E. tereticornis / E. sidrophloia. Midstorey of M. quinquenervia , Acacia. Good quality. |
| 64 | -25.33135 | 152.83508 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.5.2a | Regenerating block of acacias and eucalypt sp. With remnant eucalypt sp. Dense thicket of regrowth. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 65 | -25.33286 | 152.83656 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | (Good quality) mid dense with M. quinquenervia. With emergent E. tereticornis + E. siderophloia. Minimal exotics, very good quality (whole block). A palustrine wetland area. |
| 66 | -25.33473 | 152.83635 | 12.3.11/12.3.5 | 12.3.11/.12.3.5 | 12.3.11 | Same as rest of block. Good quality rem. |
| 67 | -25.33494 | 152.83748 | 12.3.11/12.3.5 | 12.3.11/.12.3.5 | 12.3.5 | Wet palustrine wetland. Thicket dominated by M. quinquenervia. Circle on map. One emergent eucalypt. Good quality. Note: GPS 1100 - koala scratches and poo |
| 68 | -25.33597 | 152.83818 | 12.5.4 | 12.3.11/12.3.5 | 12.3.11 | Good quality rem, open woodland with some lantana. Diverse species. Lots of rainforest species present in understorey. Rainforesty area. |
| 69 | -25.33753 | 152.83791 | 12.5.4 | 12.5.4 | 12.5.4 | Very rainforesty. Dense mid/understorey. Variety of species, microphyll or notophyll vine forest. Complex. |
| 70 | -25.33916 | 152.83786 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland good condition, some weeds. C. intermedia dominant. |
| 71 | -25.33902 | 152.83684 | 12.5.4 | 12.5.4 | 12.5.4 | Good quality open forest. Doesn't match 12.5.4 landzone 5. |
| 72 | -25.34085 | 152.83496 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland, good quality. Some lantana. S2 dominated by Philotheca. On side of track. |
| 73 | -25.3423 | 152.83563 | 12.5.4 | 12.5.4 | 12.5.4 | Very good quality. Open Rem woodland. Burnt well (more freq.). |
| 74 | -25.34317 | 152.83684 | 12.5.4 | 12.5.4 | 12.5.4 | *Same as NK30. Very good quality, open woodland. Burnt well. |
| 75 | -25.34295 | 152.8304 | 12.5.4 | 12.5.4 | 12.5.4 | Just off intersection of Main St. On RHS driving in. Open woodland. Not amazing quality (still Rem). |
| 76 | -25.34137 | 152.82927 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.5.4 | Tall patch 12.5.4. Good remnant patch dominated by large E. fibrosa. Some bare earth. |
| 77 | -25.34094 | 152.82938 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | High value (regrowth) in good oval. Open woodland. Not super large trees. Could be 12.3.11 of landzone 3? |
| 78 | -25.33319 | 152.85214 | 12.5.13a | 12.5.13a | 12.5.13a | Regrowth of poor quality. No tree layer. No Eucalypts. Dominated by wattles. *sandstone. |
| 79 | -25.33772 | 152.84526 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Small patch of HVR between grassy area on creekline. With small sector of non Rem in middle. Otherwise good HVR, all way to crest is same. |
| 80 | -25.34108 | 152.8517 | 12.5.2a | 12.3.11/12.3.5, 12.5.2 | 12.3.11/12.3.5 | Whole road sector. Only sparse trees with sparse midstorey. HVR. Map covering whole section as this RE. Some gaps. Not much ground cover. Creek line. |
| 81 | -25.33554 | 152.85266 | 12.5.2a | 12.5.2a | 12.5.2a | Skinny band of good oval HVR on higher side of creek line. OK quality for HVR. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 82 | -25.33588 | 152.85638 | 12.5.2a | 12.5.2a | 12.5.13a | Higher up on ridge. HVR. Rainforest species. No emergent eucalypts. Note: Unsure of landzone. |
| 83 | -25.33458 | 152.85674 | 12.5.2a | 12.5.2 | 12.5.13a | *Landzone 11? Cracking sandstone (unsure). Open woodland with some rainforest species. Good quality. Good species diversity. |
| 84 | -25.33149 | 152.85429 | 12.5.13a | 12.5.13a | 12.5.13a | Section viewed from housing estate. Lots of Acacia (Dominated), some weeds. No canopy trees. |
| 85 | -25.34256 | 152.88161 | 12.5.4 | 12.5.4 | 12.5.4 | Bit weedy. Open Eucalyptus woodlands near cleared areas. (Narrow section along edges). Changes to rocks ground area (next point NK43). Shrubby and weedier understorey. |
| 86 | -25.34297 | 152.88132 | 12.5.4 | 12.5.4 | 12.5.4 | Great quality HVR. Rocky pebbly ground cover (pics). Previously disturbed (piles of soil). |
| 87 | -25.34356 | 152.87921 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland with emergent Eucalyptus (C. intermedia). Very rocky/pebbly ground. Dense midstorey of Acacia regrowth. |
| 88 | -25.34267 | 152.86919 | 12.5.2a | 12.5.2a | 12.5.4 | Open forest with brush box midstorey. Good quality Remnant. No bluegum. Not many weeds (no weeds). Note: K. poo (E. exserta). 1126 NK25, -25.34274, 152.86909 |
| 89 | -25.34123 | 152.8721 | 12.5.4 | 12.5.4 | 12.5.4 | No weeds. Great quality remnant open woodland with very dense l. confertus understorey |
| 90 | -25.34158 | 152.8748 | 12.5.4 | 12.3.11/12.3.5 | 12.3.5 | M. quinquenervia understorey, with emergent E. tereticornis (green mapped area), E. siderophloia, C. intermedia. Great Rem quality. |
| 91 | -25.34228 | 152.82181 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | Small swamp area/palustrine wetland area off road. Open Eucalyptus woodland with emergent Eucalypts. M. quinquenervia dense in sections, and Casuarina glauca - (notes) port of Bunya creek - maybe 12.3.20/12.3.11 for creek section and along the road. Notes: large open |
| 92 | -25.32436 | 152.81615 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Small area of Melaleuca? Thicket. some (2-3) E. tereticornis on creekline, Melaleuca swamp wetland. Remnant. Good quality. |
| 93 | -25.31977 | 152.8141 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Looking into block of trees along creek. Remnant quality but not sure of size of patch. Lots of tereticornis (huge), regen understorey. |
| 94 | -25.31895 | 152.8022 | 12.5.2a | Non-rem | 12.5.4 | Both sides of road (Alborgs Rd) open eucalypt woodland. Great condition. Remnant status. |
| 95 | -25.32416 | 152.79956 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | Good quality remnant open woodland. Dense midstorey layer. |
| 96 | -25.32377 | 152.79997 | 12.5.2a | 12.5.2a | 12.5.2a | Open forest. Great quality. Dominated by C. intermedia, emergent eucalypt (E. tereticornis and C. tessellaris). Less dense midstorey. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 97 | -25.32525 | 152.79962 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Looking into property. Creek running through. Great quality remnant vegetation. M. quinquenervia understorey thicket. Follows whole creekline. |
| 98 | -25.32685 | 152.79878 | 12.5.4 | 12.5.4 | Non-rem | Landowner has done some slashing. Lots of M. quinquenervia. Small number of emergent eucalypt. Patch of Rem towards back and closer to Piggford lane. Non Rem here. |
| 99 | -25.33065 | 152.80743 | 12.5.2a | 12.5.2 | 12.3.11/12.3.5 | Dense paperbark understorey with emergent ironbarks and bloodwoods and stringy. |
| 100 | -25.33058 | 152.80661 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | M. quinquenervia dominant, m. salicina co-dominated. Melaleuca swamp/wetland. Just on low section with great quality. Heads along cleared section creek. Note: road flooded here. |
| 101 | -25.33132 | 152.80672 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Clay/pebble landform. Dominated by M. quinquenervia midstorey. Eucalypt emergent canopy. Great quality remnant vegetation. Same along creek. *Same as other creekline section. |
| 102 | -25.32128 | 152.82507 | 12.3.11/12.3.5 | Non-rem | Non-rem | Full of weeds. No canopy. Nothing through creek mapped section also. |
| 103 | -25.32027 | 152.81784 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Non-rem | Non Rem. No trees at all. |
| 104 | -25.30904 | 152.8188 | 12.5.13a | Non-rem | Non-rem | Non Rem, Acacia and weeds. No canopy trees. |
| 105 | -25.30782 | 152.81313 | 12.5.13a | 12.5.13a | Non-rem | Hickory wattle dominated weeds. No canopy. |
| 106 | -25.31353 | 152.81129 | 12.5.13a | Non-rem | 12.5.13 | (HVR Section - mapped). Remnant condition - dry-ish vine thicket. Rainforest species. Rainforest stops at creek (WP 1147). Very dense understorey. |
| 107 | -25.31324 | 152.81215 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | From rail trail point to more cleared section and to left away from start of open eucalypt forest with large eucalypt emergent. |
| 108 | -25.31346 | 152.81244 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.5.13 | Regrowing rainforest/vine thickets as going back towards cleared area to the East. Same species as NK63, only in worse condition. |
| 109 | -25.31293 | 152.81221 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | Good quality remnant with emergent E. tereticornis and dense Melaleuca midstorey. Waterbody close with marshlands. |
| 110 | -25.30898 | 152.81161 | 12.5.13a | 12.5.13a | 12.5.13a | weedy and no canopy trees, Acacia dominant. Lantana understorey and Psidium. Could be rainforest regrowth? Note: Looked on edge of patch. |
| 111 | -25.30227 | 152.81442 | 12.5.13a | 12.5.13a | 12.5.13a | No canopy. Acacia dominant thicket. Could be rainforest regrowth |
| 112 | -25.31434 | 152.79964 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Open eucalypt woodland with emergent Eucalypts. Dense M. quinquenervia understorey. Great quality. Rem. |
| 113 | -25.31429 | 152.79857 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Great quality eucalypt woodland with creek through it. Emergent Eucalypts. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 114 | -25.31653 | 152.79726 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Contiguous with NK70. Open woodland with emergent Eucalypts and M. quinquenervia dominant midstorey. |
| 115 | -25.31063 | 152.78287 | 12.3.11 | 12.3.11 | 12.3.11 | Open eucalypt forest with emergent Eucalypts. and M. quinquenervia understorey. |
| 116 | -25.31061 | 152.78259 | 12.3.11 | 12.3.11 | Non-rem | Non Rem. No trees. Very few acacias on creekline/drainage ditch. |
| 117 | -25.30998 | 152.77795 | 12.5.4 | 12.5.4 | 12.5.4 | Open woodland with M. quinquenervia midstorey. |
| 118 | -25.31916 | 152.80093 | 12.5.2a | 12.5.2a | 12.5.2a | Open woodland with emergent Eucalypts (lots of Angophora leiocarpa bloodwoods) and large E. tereticornis. Midstorey dense with Eucalypts. |
| 119 | -25.3348 | 152.85049 | 12.5.2a | Non-rem | Non-rem | Plantation of E. dunnii and C. citriodora planted in rows by wide bay water. |
| 120 | -25.31994 | 152.81383 | 12.3.11/12.3.5 | 12.5.2a | Non-rem | No canopy trees. Some Acacia disparrima but only small. Opposite NK50 |
| 121 | -25.33473 | 152.83635 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Same as rest of block. Good quality remnant 12.3.11. |
| 122 | -25.34287 | 152.83873 | 12.3.11/12.3.5 | Non-rem | Non-rem | Plantation of eucalypt. dunnii, and C. citriodora, planted in rows by wide bay water. |
| 123 | -25.34018 | 152.83913 | 12.5.4 | Non-rem | Non-rem | Plantation of E. dunnii and C. citriodora, planted in rows by wide bay water. |
| 124 | -25.34121 | 152.84391 | 12.3.11/12.3.5 | Non-rem | Non-rem | Plantation of E. dunnii and C. citriodora, planted in rows by wide bay water. |
| 125 | -25.33565 | 152.84481 | 12.5.2a | Non-rem | Non-rem | Plantation of E. dunnii and C. citriodora, planted in rows by wide bay water. |
| 126 | -25.252423 | 152.680378 | 12.2.11 | 12.2.11 | 12.2.11 | Old regrowth? Beach ridge community. Corp rising E. tereticornis, C. tessellaris. Woodland with dense low tree layer of M. quinquenervia on loose white sand. |
| 127 | -25.256031 | 152.680239 | 12.2.7 | 12.2.7 | 12.2.11 | Narrow beach ridge with semi-remnant E. tereticornis, a. leiocalyx woodland adjacent to M. quinquenervia - c. glauca wood. Notes: semi remnant has been disturbed. |
| 128 | -25.24943 | 152.668821 | 12.2.11 | 12.2.11 | 12.2.11 | Beach ridge, woodland with C. tessellaris - a. leiocarpa, and mid-dense low tree layer on sand. |
| 129 | -25.253023 | 152.666338 | 12.2.11 | 12.2.11 | 12.2.11 | E. tereticornis - E. exserta, open forest with dense/closed low tree layer of Melaleuca spp. In beach ridge - salt marsh. Ecotone. Notes: Occurs in ecotone with 12.1.2. |
| 130 | -25.256915 | 152.667141 | 12.5.4 | 12.5.4 | 12.2.7 | E. tereticornis emergent. M. quinquenervia, open forest and E. tereticornis emergents - occurs on white sand. Drops to c. glauca. Notes: Roadside observation. |
| 131 | -25.256623 | 152.674127 | 12.2.7 | 12.2.7 | 12.2.7 | M. quinquenervia open forest, and E. tereticornis emergents 12.3. Occurs on dark loamy sand. Notes: not exact fit with geol, more like Qcw. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 132 | -25.258094 | 152.674731 | 12.5.4 | 12.5.4 | 12.2.11 | Beach ridge, open forest with Angophora leiocarpa on white sand adjacent to 12.2.7. |
| 133 | -25.258675 | 152.676776 | 12.2.7 | 12.2.7 | 12.2.11 | Beach ridge community, with Eucalyptus robusta. Woodland with shrubby understorey, ecotonal/ecological community - close to margins of 12.2.9. On white sand. |
| 134 | -25.259482 | 152.678392 | 12.2.7 | 12.2.7 | 12.2.11 | Beach and woodland/open forest. 12.2.11 and healthy understory, shrubby with Angophora leiocarpa on white sand (degraded beach nearby). Note: semi disturbed but otherwise in good condition. Important local variant of 12.2.11. |
| 135 | -25.262198 | 152.678381 | 12.2.7 | 12.2.7 | 12.2.9 | Open forest. Emergent trees present. Banksia aemula shrub on degraded beach - white sand. |
| 136 | -25.262369 | 152.67954 | 12.2.7 | 12.2.7 | 12.2.7 | Ecotone. |
| 137 | -25.261513 | 152.685489 | 12.2.7 | Non-rem | Non-rem | Small patch extends over road, sparse understorey. Eucalyptus moluccana open forest, (on clay loam) (duller soil?), not mapped. |
| 138 | -25.263152 | 152.685235 | 12.2.7 | 12.2.7 | 12.2.7 | M. quinquenervia forest adjacent to artificial drain. Low open forest (poles) with larger remnant emergent trees. |
| 139 | -25.264428 | 152.698044 | 12.2.7 | 12.2.7 | 12.2.7 | Melaleuca quinquenervia forest along watercourse surrounded by 12.2.11. |
| 140 | -25.26625 | 152.697286 | 12.2.7 | 12.2.7 | 12.2.7 | Melaleuca quinquenervia open forest in broad channel |
| 141 | -25.267407 | 152.697416 | 12.2.9 | 12.2.9 | 12.2.9 | Shrubby open forest on degraded older sandy beach ridge deposits. |
| 142 | -25.265491 | 152.70212 | 12.2.7 | 12.2.7 | 12.2.7 | Remnant of melaleuca quinquenervia open forest in watercourse. |
| 143 | -25.265517 | 152.684647 | 12.2.12 | 12.2.12 | 12.2.13 | Open heath, no weeds. Sparse taller shrubs layer and low emergent trees. Geology white sand, older degraded dune system. |
| 144 | -25.272874 | 152.699681 | 12.2.9 | 12.2.9 | 12.2.9 | Burnt banksia woodland/open forest. Recent hot fire. Shrubs burnt - no data. |
| 145 | -25.264869 | 152.700277 | 12.2.7 | 12.2.11 | 12.2.11 | Closed forest emergent Corymbia tessellaris, Agathis robusta. Infor collected on boundary. Geology young sandy beach ridge system. |
| 146 | -25.266292 | 152.705714 | 12.2.7 | 12.2.7 | 12.2.7 | Melaleuca quinquenervia open forest in board sandy watercourse. Casuarina glauca also present. |
| 147 | -25.196334 | 152.602895 | 12.2.15 | 12.2.15 | 12.2.15 | Sedgeland in poor condition - dry. Plants sterile, desiccated |
| 148 | -25.196817 | 152.602366 | 12.2.9 | 12.2.9 | 12.2.9 | Banksia aemula shrubby woodland on QPBC. |
| 149 | -25.193486 | 152.606707 | 12.2.12 | 12.2.12 | 12.2.13 | Tall shrubland on Qpbc older degraded dune/beach ridge system. |
| 150 | -25.188172 | 152.612957 | 12.2.11 | 12.2.11 | 12.2.11 | Eucalyptus tereticornis, C. intermedia tall open forest, reasonable condition older beach ridge system. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 151 | -25.187485 | 152.613385 | 12.2.11 | 12.2.11 | Non-rem | E. moluccana, C. glauca. No RE match on LZ2. Would fit LZ3 RE? NON REM for now |
| 152 | -25.189245 | 152.617275 | 12.2.7 | 12.2.7 | 12.2.7 | M. quinquenervia open forest wit he. Tereticornis emergents. Melaleucas small. Clay loam beach ridge system. |
| 153 | -25.191394 | 152.619797 | 12.2.11 | 12.2.11 | 12.2.11 | Beach ridge with C. tessellaris woodland. |
| 154 | -25.192829 | 152.619873 | 12.2.11 | 12.2.11 | Non-rem | No RE match on LZ 2. E. moluccana and E. tereticornis open forest with tree stratus of Melaleuca sp. Non-rem for now |
| 155 | -25.341711 | 152.870051 | 12.5.4 | 12.5.4 | 12.9-10.21 | E. acmenoides open forest on hillside. |
| 156 | -25.344914 | 152.868854 | 12.5.2a | 12.5.2 | 12.5.2 | E. tereticornis tall open forest on lower hillslope. |
| 157 | -25.347819 | 152.87048 | 12.3.11/12.3.5 | 12.3.5 | 12.3.5 | Water channel fringing community included with RE 12.3.11 on adjacent floodplain. |
| 158 | -25.347559 | 152.870583 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | tall shrubland on Qpbc older degraded dune/beach ridge system. |
| 159 | -25.345351 | 152.872056 | 12.5.2a | 12.5.2 | 12.5.2 | C. intermedia, E. tereticornis open forest on lower slope. |
| 160 | -25.346896 | 152.873278 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | M. quinquenervia open forest on alluvial plain. |
| 161 | -25.347163 | 152.87235 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | C. intermedia open forest on alluvial plain. |
| 162 | -25.370437 | 152.888509 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | Corymbia intermedia, E. siderophloia tall open forest on low rise on sedimentary rocks. |
| 163 | -25.364766 | 152.873165 | 12.3.11 | 12.3.11 | 12.3.11 | Tall open forest/woodland on coastal plain sediments. |
| 164 | -25.349758 | 152.873122 | 12.3.11/12.3.5 | 12.3.11 | 12.5.4 | C. intermedia and A. leiocarpa open forest on low rise. Drops quickly into RE 12.3.5 down slope. |
| 165 | -25.345351 | 152.872056 | 12.5.2a | 12.5.4 | 12.5.4 | C. intermedia and E. latisinensis woodland on shallow on shallow rocky soils. |
| 165 | -25.345351 | 152.872056 | 12.5.2a | 12.5.4 | 12.5.4 | C. intermedia and E. latisinensis woodland on shallow on shallow rocky soils. |
| 166 | -25.350617 | 152.901189 | 12.5.2a | 12.5.2 | 12.5.4 | C. intermedia, E. exserta woodland with T2 layer of L. confertus on gently undulating hill slope. |
| 166 | -25.350617 | 152.901189 | 12.5.2a | 12.5.2 | 12.5.4 | C. intermedia, E. exserta woodland with T2 layer of L. confertus on gently undulating hill slope. |
| 167 | -25.349581 | 152.904156 | 12.3.11 | 12.3.11 | 12.3.11 | C. intermedia, E. siderophloia open forest on flat/gently sloping surface. |
| 168 | -25.360546 | 152.8931 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.13 | E. tereticornis woodland with understorey of Acacia disparrima and rainforest trees and vines. |
| 169 | -25.362245 | 152.893001 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2 | C. intermedia, E. tereticornis tall open forest on upper to mid-slope. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 170 | -25.373878 | 152.900724 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | Regrowth E. exserta/ C. intermedia open forest on low hills. |
| 171 | -25.365333 | 152.900522 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | C. intermedia open forest with L. confertus T2 layer on low hillslope. |
| 172 | -25.363749 | 152.900301 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | C. intermedia, l. confertus tall open forest with mid-dense understorey of rainforest trees and vines on low coarse sedimentary rocks. |
| 173 | -25.354927 | 152.83896 | 12.3.20 | 12.3.20 | 12.3.5 | Melaleuca quinquenervia closed forest with E. tereticornis emergents on alluvial plain watercourse. |
| 174 | -25.34984 | 152.868539 | 12.5.4 | 12.3.11/12.3.5 | 12.3.5 | Mature M. quinquenervia open forest on alluvium rocks, very nice. |
| 175 | -25.34578 | 152.867336 | 12.5.2a | 12.5.2 | 12.5.2 | C. intermedia, E. exserta, L. confertus open forest bordering M. quinquenervia swamp. |
| 176 | -25.337084 | 152.888227 | 12.5.4 | 12.5.4 | 12.5.2 | Tall open forest of E. siderophloia, E. tereticornis, C. intermedia, E. exserta on gently undulating to flat crest. No watercourse. |
| 177 | -25.327636 | 152.894563 | 12.5.4 | 12.5.4 | 12.5.4a | Low open forest of M. quinquenervia. Regrowth with sandy soil. Healthy vegetation. |
| 178 | -25.254731 | 152.682955 | 12.2.11 | Non-rem | Non-rem | cleared with sparse remnant/regrowth E. tereticornis, Melaleuca nodosa |
| 179 | -25.252327 | 152.682666 | 12.2.11 | Non-rem | Non-rem | cleared with sparse remnant/regrowth 12.2.11 |
| 180 | -25.255367 | 152.678803 | 12.2.11 | 12.2.11 | 12.2.7 | even-aged "pole" M. quinquenervia open forest 12 m tall near bund |
| 181 | -25.255627 | 152.679434 | 12.2.7 | 12.2.7 | 12.2.11 | narrow disturbed beach ridge woodland with regrowth Acacia. though disturbed meets rem criteria |
| 182 | -25.256749 | 152.678002 | 12.2.11 | 12.2.11 | 12.2.11 | beach ridge woodland E. tereticornis, Angophora leiocarpa, Leptospermum neglectum etc |
| 183 | -25.248978 | 152.66704 | 12.2.11 | 12.2.11 | Non-rem | edge of low lying weedy area, formerly M. quinquenervia, Casuarina glauca? |
| 184 | -25.25201 | 152.666409 | 12.2.11 | 12.2.11 | 12.2.11 | to be checked |
| 185 | -25.254414 | 152.66742 | 12.1.2 | 12.1.2 | 12.1.2 | saltpan with scattered Casuarina glauca |
| 186 | -25.25878 | 152.678952 | 12.2.7 | 12.2.7 | 12.2.11 | regrowth dense pole type M. quinquenervia with E. tereticornis 10 - 12 m tall |
| 187 | -25.261715 | 152.679428 | 12.2.7 | 12.2.7 | 12.2.11 | 12.2.11 distinguished by large Callitris col |
| 189 | -25.262757 | 152.67959 | 12.2.7 | 12.2.7 | 12.2.11 | semi-remnant shrubby woodland with E. latisinensis, Callitris col |
| 190 | -25.261503 | 152.68436 | 12.2.7 | 12.2.7 | 12.2.7 | semi-remnant M. quinquenervia with scattered E. tereticornis and Livistona |
| 191 | -25.263363 | 152.685259 | 12.2.7 | 12.2.7 | Non-rem | large deep drain with water, Phragmites, Leersia, regen M. quinquenervia |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 192 | -25.260879 | 152.694655 | 12.2.11 | 12.2.11 | Non-rem | fragmented/partly cleared E. tereticornis, M. quinquenervia, Cupaniopsis, Acacia, mapped as 12.2.11. semi-remnant 12.2.11? To check |
| 193 | -25.264796 | 152.697357 | 12.2.7 | 12.2.7 | 12.2.7 | dense pole open forest of M. quinquenervia with scattered larger rem trees; geol Qcw |
| 194 | -25.264354 | 152.68546 | 12.2.7 | 12.2.7 | 12.2.9 | 12.2.9 B. aemula shrubby woodland near 12.2.9 proforma sites |
| 195 | -25.269584 | 152.701267 | 12.2.9 | 12.2.9 | 12.2.9 | B. aemula woodland. Heavy band of Allocasuarina littoralis regrowth fringing road |
| 196 | -25.268937 | 152.700669 | 12.2.9 | 12.2.9 | 12.2.9 | B. aemula woodland. Heavy band of Allocasuarina littoralis regrowth fringing road |
| 197 | -25.263908 | 152.708561 | 12.2.11 | 12.2.11 | 12.2.11 | linear band of beach ridge open forest along edge of road |
| 198 | -25.265795 | 152.706305 | 12.2.7 | Non-rem | 12.2.11 | Regrowth/semi-rem E. tereticornis + mid-dense M. quinquenervia 15 - 20 m tall |
| 199 | -25.254853 | 152.679202 | 12.2.11 | 12.2.11 | 12.2.11 | patch of E. robusta - E. tereticornis hybrids - refer to info on EUCLID re E. robusta hybrids. Semi rem? of conservation interest |
| 200 | -25.195128 | 152.609152 | 12.2.9 | 12.2.9 | 12.2.9 | Banksia aemula shrubby woodland |
| 201 | -25.193803 | 152.609043 | 12.2.9 | 12.2.9 | 12.2.9 | Banksia aemula shrubby woodland |
| 202 | -25.194938 | 152.611659 | 12.2.11 | Non-rem | 12.2.11 | narrow remnant strip 12.2.11 with C. intermedia prominent |
| 203 | -25.192765 | 152.608705 | 12.2.11 | 12.2.9 | 12.2.11 | narrow remnant strip 12.2.11 with C. intermedia prominent |
| 204 | -25.188038 | 152.617278 | 12.2.7 | 12.2.7 | 12.2.11 | Beach ridge open forest with C. intermedia, C tessellaris sim to TOBH45 |
| 205 | -25.189463 | 152.616829 | 12.2.7 | 12.2.7 | 12.2.11 | Beach ridge woodland confirmed |
| 206 | -25.18798 | 152.617685 | 12.2.7 | 12.2.7 | 12.2.11 | Beach ridge woodland Eucalypt tereticornis, Banksia integrifolia, E. exserta, L. suaveolens confirmed |
| 207 | -25.19125 | 152.620276 | 12.2.11 | 12.2.11 | 12.2.11 | Beach ridge woodland confirmed |
| 208 | -25.192298 | 152.620366 | 12.2.7 | 12.2.7 | 12.2.7 | M. quinquenervia open forest confirmed |
| 209 | -25.191765 | 152.619809 | 12.2.11 | 12.2.11 | 12.2.11 | to be checked |
| 210 | -25.201532 | 152.62045 | 12.3.3d/12.3.20 | Non-rem | 12.3.20 | interpreted as regrowth, predominantly even-aged Casuarina glauca + M. quinquenervia, E. tereticornis. Geol QHCB = LZ 2? |
| 211 | -25.204176 | 152.619771 | 12.2.7 | Non-rem | Non-rem | interpreted as regrowth, predominantly even-aged Casuarina glauca + M. quinquenervia, E. tereticornis. Geol QHCB = LZ 2? |
| 212 | -25.21444 | 152.632548 | 12.2.11 | Non-rem | Non-rem | active development, recently cleared |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 213 | -25.209604 | 152.629867 | 12.2.11 | 12.2.11 | Non-rem | beach ridge with thinned C. tessellaris, C int, Callitris understorey slashed |
| 214 | -25.335938 | 152.905813 | 12.5.4 | 12.5.4 | 12.2.11 | Beach ridge woodland, semi-remnant narrow ridge along the strand. |
| 215 | -25.336128 | 152.905092 | 12.5.4 | Non-rem | 12.5.2 | E. tereticornis open forest, semi remnant (thinned in past). E. siderophloia further to the west |
| 216 | -25.336468 | 152.895515 | 12.5.4 | 12.5.4 | 12.5.4 | Eucalyptus latisinensis, Corymbia intermedia, Angophora leiocarpa open forest. |
| 217 | -25.326279 | 152.886032 | 12.5.4 | 12.5.4 | 12.5.4a | E. latisinensis, C. intermedia, A. leiocarpa open forest. Reference site for tea tree west road vegetation and vicinity before there is a lot of M. quinquenervia regrowth. |
| 218 | -25.33483 | 152.888013 | 12.3.6 | 12.3.6/12.5.4 | 12.5.2a | Eucalyptus exserta, Corymbia intermedia, Melaleuca quinquenervia open forest on broad flat crest. Flat terrain. |
| 219 | -25.345537 | 152.871088 | 12.3.11/12.3.5 | 12.5.2 | 12.9-10.21 | Eucalyptus acmenoides/portuensis open forest on lower slope. Site has been disturbed by extraction. |
| 220 | -25.363174 | 152.897609 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | Corymbia intermedia tall open forest/woodland with T2 layer of rainforest species. The canopy has been altered by wind or storm damage creating gaps which have been colonised by dense vine thickets. There are logs/stems on the ground. This point is a use |
| 221 | -25.360878 | 152.897895 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | Lophostemon confertus low closed forest and emergent trees on erudite. Site near edge of patch dominated by Acacia disparrima. |
| 222 | -25.362087 | 152.899292 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.4 | Low open forest of Lophostemon confertus on erudite hillside. The extensive pattern at Booral with Lophostemon confertus dominated tree is interpreted because of historical disturbance. |
| 223 | -25.352734 | 152.904396 | 12.5.2a | 12.3.11 | TBD | Corymbia intermedia, Eucalyptus tereticornis, Eucalyptus siderophloia open forest. Flat very gently undulating, loamy soil and stone. Parent material arenite/mudstone. |
| 224 | -25.351645 | 152.899379 | 12.5.4 | 12.5.4 | 12.5.4 | Corymbia intermedia latisinensis open forest. No Lophostemon confertus present. |
| 225 | -25.360344 | 152.893265 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2 | Acacia disparrima open forest with occasional C. intermedia and E. tereticornis. Interpreted as HVR of E. tereticornis, C. intermedia open forest with some rainforest trees/vines in understorey after clearing for agriculture. Regrowth older than 40 years. |
| 226 | -25.549088 | 152.68843 | 12.3.7 | 12.3.7 | 12.3.7 | Regrowth understorey mown so only trees and E. tereticornis where |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 227 | -25.556111 | 152.686697 | 12.3.11 | 12.3.11 | 12.3.11 | Police paddock. Flat terrain no drainage lines nearby. E. tereticornis tall open forest. Uniform from edge of Woon Rd. |
| 228 | -25.561456 | 152.68591 | 12.5.4/12.5.7 | 12.5.4 | 12.5.7 | Corymbia citriodora, Eucalyptus fibrosa, E. siderophloia tall open forest. Gully mapped as 12.3.11 but only linear strip of M.9 on channel. (PM7 non rem. Urban new estate) |
| 229 | -25.561892 | 152.67578 | 12.3.11 | 12.3.11 | 12.3.20 | Melaleuca leucadendra (some looks disturbed) non-rem regrowth open E. tereticornis open forest |
| 230 | -25.513885 | 152.679321 | 12.3.11 | 12.3.11 | 12.3.11 | Tall woodland with mid-dense T2 layer of Melaleuca quinquenervia, Lophostemon suaveolens. Between patch and walker st is also 12.3.11 alluvial system. |
| 231 | -25.511361 | 152.679731 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 Open forest on LZ5- 9/10. |
| 232 | -25.49894 | 152.682259 | 12.5.4 | 12.5.4/12.5.7 | 12.5.4 | Corymbia sp., E. latisinensis grassy woodland on LZ 5 - 9/10 |
| 233 | -25.49511 | 152.680033 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | E. tereticornis, E. exserta woodland with M. quinquenervia and L. suaveolens. |
| 234 | -25.500974 | 152.673751 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | Corymbia intermedia, E. latisinensis, E. exserta open forest. |
| 235 | -25.509489 | 152.678823 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 Open forest on LZ5- 9/10. Broad crest but wet seasonally. M. quinquenervia but mostly cleared T2 layer. |
| 236 | -25.503636 | 152.656286 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 Open forest with Corymbia trachyphloia, C. intermedia, E. siderophloia, E. latisinensis on LZ 5-9/10 |
| 237 | -25.5009 | 152.656936 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Naple St. C. intermedia, L. suaveolens open forest. Semi-rem? |
| 238 | -25.545463 | 152.673215 | 12.5.4/12.5.7 | 12.3.11 | 12.3.11 | E. tereticornis and C. intermedia woodland and M. quinquenervia, Eucalyptus sp and l. suaveolens in T2. |
| 239 | -25.557826 | 152.653233 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.2 | 12.5.2 open forest regrowth with some old trees. |
| 240 | -25.497049 | 152.660121 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Flat terrain, E. tereticornis, C. intermedia, E. exserta emergent open forest. |
| 241 | -25.499229 | 152.651181 | 12.5.4 | 12.5.7/12.5.4 | 12.5.4 | E. siderophloia open forest on LZ 5-9/10. |
| 242 | -25.502896 | 152.698953 | 12.5.7/12.5.4 | 12.5.4 | 12.5.7 | C. citriodora, E. acmenoides/portuensis, E. siderophloia open forest on LZ 5-9/10 |
| 243 | -25.481754 | 152.63964 | 12.5.4 | 12.5.4 | 12.5.4 | Healthy shrubby woodland old regrowth. Latisinensis, C. trachyphloia on LZ 5-9/10 |
| 244 | -25.478413 | 152.640536 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Eucalyptus woodland with M. quinquenervia |
| 245 | -25.473512 | 152.657199 | 12.5.4 | 12.5.4 | 12.5.4 | Semi remnant patch of Angophora leiocarpa, E. siderophloia open forest/woodland. |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 246 | -25.473518 | 152.66549 | 12.5.4 | 12.3.11/12.3.5 | 12.3.7 | Fringing forest with brackish H20. |
| 247 | -25.473518 | 152.66549 | 12.5.4 | 12.5.4 | 12.5.4 | Leggy, dieback, grazed in past. E. siderophloia, E. latisinensis open forest on LZ5-9/10 |
| 248 | -25.48165 | 152.664285 | 12.3.11/12.3.5 | 12.3.11 | 12.5.3 | Incised channel with linear M. quinquenervia along channel |
| 249 | -25.467247 | 152.656668 | 12.3.5 | 12.3.5 | 12.3.6 | Saltwater Creek west of highway. Watercourse fringed by M. quinquenervia with L. suaveolens, E. tereticornis within banks away from channel. |
| 250 | -25.471379 | 152.660564 | 12.5.4 | 12.3.11/12.3.5 | 12.3.11 | Broad low channel. Woodland of E. tereticornis, E. exserta with mid-dune T2 comprising M. quinquenervia and others. |
| 251 | -25.495368 | 152.663823 | 12.5.4 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Composite site. Patches of dense, even-aged M. quinquenervia (RE 12.3.5) and E. tereticornis, C. intermedia woodland with Lophostemon suaveolens and patchy M. quinquenervia. |
| 252 | -25.49444 | 152.66427 | 12.5.4 | Non-rem | 12.5.4 | reasonable condition meets rem status |
| 253 | -25.50499 | 152.6966 | 12.5.7/12.5.4 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 confirmed, no 12.5.7 located |
| 254 | -25.49733 | 152.68407 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 255 | -25.50541 | 152.67729 | 12.5.7/12.5.4 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 confirmed, no 12.5.7 located |
| 256 | -25.49152 | 152.68271 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | polygon all 12.3.11 |
| 257 | -25.49253 | 152.67799 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 258 | -25.50443 | 152.67037 | 12.3.11/12.3.5 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 confirmed no 12.5.7 located |
| 259 | -25.4958 | 152.66629 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | Non-rem | recently cleared |
| 260 | -25.50241 | 152.65243 | 12.5.7/12.5.4 | 12.5.4/12.5.7 | 12.5.4 | western section traversed E. acmenoides present. 12.5.7 unlikely |
| 261 | -25.49416 | 152.66119 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 262 | -25.49289 | 152.66176 | 12.5.4 | 12.5.4 | 12.5.4 | has been disturbed but still meets rem status |
| 263 | -25.49723 | 152.65352 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 264 | -25.47274 | 152.66619 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 265 | -25.47648 | 152.6445 | 12.5.4 | 12.5.4 | 12.5.4 | sighted through perimeter fence, 12.5.4 confirmed |
| 266 | -25.48219 | 152.64143 | 12.5.4 | 12.5.4 | 12.5.4 | sighted through fence heathy 12.5.4 good condition |
| 267 | -25.55715 | 152.68476 | 12.3.11 | 12.3.11 | 12.3.11 | 12.3.11 confirmed good condition, low M. quinquenervia presence |
| 268 | -25.56013 | 152.68365 | 12.3.11 | 12.5.7 | 12.5.7 | 12.5.7, C citriodora, some E. fibrosa on crest |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 269 | -25.55499 | 152.68451 | 12.3.11 | 12.5.7 | 12.5.7 | 12.5.7 confirmed |
| 270 | -25.5573 | 152.66528 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | sighted from road best fit 12.5.4 no C. citriodora observed |
| 271 | -25.56566 | 152.69552 | 12.3.11 | 12.3.11 | Non-rem | |
| 272 | -25.56272 | 152.67541 | 12.3.11 | 12.3.11 | 12.3.20 | Casuarina glauca, M. quinquenervia, E. tereticornis, remnant trees and patchy regrowth |
| 273 | -25.56341 | 152.68442 | 12.5.4/12.5.7 | 12.5.4 | 12.5.7 | 12.5.7 with 12.3.11 and young M. quinquenervia in adjacent gully |
| 274 | -25.56315 | 152.68084 | 12.5.4/12.5.7 | 12.5.4 | 12.5.7 | 12.5.7 does not extend much further to south |
| 275 | -25.56429 | 152.67904 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | around boundary of 12.5.7 and 12.5.4 |
| 276 | -25.57376 | 152.67937 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | 12.5.4 sighted from streets |
| 277 | -25.56654 | 152.68809 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 278 | -25.57282 | 152.68114 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 279 | -25.57128 | 152.68928 | 12.3.11 | 12.3.11 | 12.3.11 | polygon too wide |
| 280 | -25.57007 | 152.68848 | 12.3.11 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 281 | -25.5732 | 152.69131 | 12.5.4/12.5.7 | 12.5.4 | Non-rem | young regrowth |
| 282 | -25.57186 | 152.68773 | 12.3.11 | 12.5.4 | 12.5.4 | 12.5.4 confirmed |
| 283 | -25.57342 | 152.69515 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 284 | -25.57218 | 152.69363 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 285 | -25.57681 | 152.68997 | 12.3.11 | 12.3.11 | 12.3.11 | current herbarium polygon bit wide in places |
| 286 | -25.56594 | 152.66861 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 287 | -25.56622 | 152.67355 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 288 | -25.57016 | 152.66762 | 12.5.4/12.5.7 | 12.3.11 | 12.3.5 | could not access, cleared area with patch of pole M. quinquenervia |
| 289 | -25.52395 | 152.65956 | 12.3.11 | 12.3.11 | 12.3.11 | polygon can be extended to include additional area, disturbed but meet remnant status |
| 290 | -25.54701 | 152.67265 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping. some dense pole M. quinquenervia present |
| 291 | -25.54006 | 152.67396 | 12.3.11 | Non-rem | 12.3.11 | regrowth relatively advanced |
| 292 | -25.54202 | 152.67513 | 12.3.11 | Non-rem | Non-rem | young regrowth |
| 293 | -25.53072 | 152.66165 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 294 | -25.53164 | 152.66583 | 12.3.11 | 12.3.11 | 12.3.11 | parts recently thinned, understorey removed |
| 295 | -25.5345 | 152.66975 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 296 | -25.54461 | 152.66497 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | no 12.5.7 noted |
| 297 | -25.5453 | 152.66344 | 12.3.11 | 12.3.11 | 12.3.11 | 12.3.11 confirmed |
| 298 | -25.54908 | 152.66297 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 299 | -25.55037 | 152.66308 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 300 | -25.55401 | 152.66349 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | no 12.5.7 noted |
| 301 | -25.55198 | 152.66852 | 12.5.4/12.5.7 | Non-rem | Non-rem | scalded area with some young regrowth Casuarina glauca |
| 302 | -25.52977 | 152.64166 | 12.3.16 | 12.3.16 | 12.3.16 | appears to be regrowth |
| 303 | -25.53642 | 152.64782 | 12.3.11 | 12.3.11 | 12.5.4 | vegetation in polygon is 12.5.4 |
| 304 | -25.53914 | 152.65498 | 12.5.4/12.5.7 | 12.5.4/7 | 12.5.4 | confirmed as 12.5.4 |
| 305 | -25.53991 | 152.65488 | 12.3.11 | 12.3.11 | 12.3.5 | invasive dense M. quinquenervia due to dam, regrowth 12.3.5 better fit |
| 306 | -25.54256 | 152.65441 | 12.3.11 | 12.3.11 | 12.3.11 | sliver of 12.3.11 OK, watercourse altered by drain |
| 307 | -25.54619 | 152.6548 | 12.3.11 | 12.5.4/12.5.7/12.3.11 | 12.5.4 | drainage line incipient, narrow, polygon appears to be all 12.5.4 |
| 308 | -25.5434 | 152.6648 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | No 12.5.7, dense regrowth Lophostemon present |
| 309 | -25.54292 | 152.66015 | 12.5.4/12.5.7 | 12.3.11 | 12.3.11 | extent of 12.3.11 increased |
| 310 | -25.54349 | 152.65781 | 12.5.4/12.5.7 | 12.5.4/7 | 12.5.4 | No 12.5.7 present |
| 311 | -25.54338 | 152.63853 | 12.3.7 | 12.3.11 | 12.3.11 | matches herbarium mapping. narrow band of 12.3.7 confirmed |
| 312 | -25.54454 | 152.63592 | 12.3.7 | 12.3.11 | 12.3.11 | matches herbarium mapping. narrow band of 12.3.7 confirmed |
| 313 | -25.55804 | 152.65824 | 12.3.11 | 12.3.11 | 12.3.11 | 12.3.11 polygon narrower than map and eastern end similar not regrowth |
| 314 | -25.5566 | 152.6543 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.2 | vegetation surrounding 12.3.11 quite mesic C. intermedia dominated better fit for 12.5.2 |
| 315 | -25.5572 | 152.65809 | 12.3.11 | 12.5.4/12.5.7 | Non-rem | cleared area |
| 316 | -25.55629 | 152.63765 | 12.3.11 | 12.3.11 | 12.3.7 | within banks vegetation 12.3.7 poor condition weedy |
| 317 | -25.55879 | 152.63954 | 12.3.11 | 12.3.11 | 12.3.11 | mapped herbarium polygon enlarged, fairly disturbed |
| 318 | -25.55734 | 152.64211 | 12.3.11 | 12.3.11 | 12.3.11 | mapped polygon includes non-rem |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 319 | -25.55608 | 152.62707 | 12.3.7 | 12.3.7 | 12.3.7 | Matches herbarium mapping |
| 320 | -25.56353 | 152.6348 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 321 | -25.56665 | 152.64168 | 12.9-10.17 | 12.9-10.17 | 12.5.4 | only inspected from road no change in vegetation locally to suggest it may be 9/10.17, 12.5.4 would be more consistent, Tertiary weathering in area |
| 322 | -25.5649 | 152.64811 | 12.3.11 | 12.3.11 | 12.3.11 | polygon altered slightly |
| 323 | -25.56561 | 152.64597 | 12.3.11 | Non-rem | 12.3.11 | small polygon added, meets rem but average condition |
| 324 | -25.56257 | 152.65892 | 12.3.11 | 12.3.11 | 12.3.11 | 12.3.11 confirmed polygon altered |
| 325 | -25.57097 | 152.65181 | 12.5.4/12.5.7 | 12.5.4 | 12.5.2 | E. tereticornis present, Tertiary weathering |
| 326 | -25.5689 | 152.65152 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | regrowth | regrowth Acacia disparrima and Rainforest trees, |
| 327 | -25.56931 | 152.64344 | 12.3.11 | 12.3.11 | 12.3.11 | patch of regrowth 12.3.11 confirmed |
| 328 | -25.56802 | 152.63183 | 12.9-10.17 | 12.9-10.17 | Non-rem | not 12.9/10.17, weedy vegetation around a dam |
| 329 | -25.55103 | 152.65488 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 confirmed, no 12.5.7 |
| 330 | -25.55426 | 152.65468 | 12.5.4/12.5.7 | 12.5.4/5.7 | 12.5.2 | herbarium query, to re-check |
| 331 | -25.57027 | 152.65817 | 12.3.11 | 12.5.4/12.5.7 | 12.5.4 | Matches herbarium mapping |
| 332 | -25.56346 | 152.66184 | 12.3.11 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 333 | -25.5624 | 152.65759 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | Matches herbarium mapping |
| 334 | -25.56218 | 152.65207 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 surrounding 12.3.11 along watercourse. |
| 335 | -25.548 | 152.64774 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | matches 12.5.4 |
| 336 | -25.54885 | 152.64964 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | matches 12.5.4 |
| 337 | -25.54985 | 152.64536 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 confirmed, tree death from seepage from land fill? |
| 338 | -25.54886 | 152.64492 | 12.3.11 | 12.3.11 | 12.3.11 | polygon reduced due to clearing |
| 339 | -25.55006 | 152.64416 | 12.5.4/12.5.7 | 12.5.4/12.5.7 | 12.5.4 | confirmed as 12.5.4 |
| 340 | -25.55147 | 152.64724 | 12.3.11 | 12.3.11 | Non-rem | clearing /disturbance from landfill |
| 341 | -25.55852 | 152.6355 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium polygon |
| 342 | -25.55915 | 152.6379 | 12.3.11 | 12.3.11 | 12.3.11 | disturbed but meets rem |
| 343 | -25.5471 | 152.64393 | 12.3.11 | 12.3.11 | 12.3.11 | matches polygon re-defined |
| 344 | -25.5439 | 152.64115 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 345 | -25.54661 | 152.6443 | 12.5.5 | 12.5.5 | 12.5.4 | matches 12.5.4 |
| 346 | -25.54699 | 152.64299 | 12.3.11 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 347 | -25.54711 | 152.64116 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 348 | -25.54357 | 152.64371 | 12.5.4/12.5.7 | 12.3.11 | 12.3.11 | appears to be dense Acacia regrowth |
| 349 | -25.54324 | 152.63979 | 12.3.11 | Non-rem | | Non-rem |
| 350 | -25.49772 | 152.66159 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | Polygon all 12.3.11 |
| 351 | -25.5002 | 152.66398 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 352 | -25.50059 | 152.65988 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 353 | -25.49538 | 152.6547 | 12.5.4 | 12.5.4 | 12.5.4 | remnant |
| 354 | -25.50197 | 152.67057 | 12.5.4 | 12.3.11/12.3.5 | 12.3.11 | confirmed as all 12.3.11 |
| 355 | -25.50178 | 152.67275 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 356 | -25.49595 | 152.6377 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.6 | extensive M. quinquenervia and Eucalypts |
| 357 | -25.4965 | 152.63903 | 12.5.2a | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 358 | -25.49408 | 152.64013 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | narrow band along watercourse |
| 359 | -25.49011 | 152.64384 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 360 | -25.49379 | 152.6417 | 12.5.2a | 12.5.2 | 12.5.4 | mainly regrowth/disturbed |
| 361 | -25.49611 | 152.6396 | 12.5.2a | 12.5.2 | 12.5.4 | polygon all 12.5.4, similar to vegetation at back of TAFE campus, quite mesic forest with some E. acmenoides/E. portuensis present along with usual 12.5.4 species |
| 362 | -25.49447 | 152.63793 | 12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 363 | -25.5042 | 152.6988 | 12.3.11 | 12.3.11 | 12.5.7 | traversed area, no 12.3.11 in top RHS polygon |
| 364 | -25.4954 | 152.64784 | 12.3.11/12.3.5 | Non-rem | Non-rem | mappable patch on image but had been recently selectively cleared |
| 365 | -25.49759 | 152.64725 | 12.3.11/12.3.5 | 12.5.4/12.5.7 | 12.5.4 | all 12.5.4, no 12.5.7, corner has been cleared |
| 366 | -25.5026 | 152.69564 | 12.5.7/12.5.4 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 patch defined |
| 367 | -25.50621 | 152.6938 | 12.5.7/12.5.4 | 12.5.7/12.5.4 | 12.5.4 | 12.5.4 patch defined |
| 368 | -25.50565 | 152.6925 | 12.3.11 | 12.3.11 | 12.3.11 | Herbarium mapping confirmed, L suaveolens, M. quinquenervia in T2 layer |
| 369 | -25.5029 | 152.6975 | 12.5.7/12.5.4 | 12.5.7/12.5.4 | 12.5.7 | polygon of 12.5.7 delineated |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 370 | -25.47833 | 152.6613 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 371 | -25.48163 | 152.66415 | 12.3.11/12.3.5 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 372 | -25.46713 | 152.66462 | 12.3.5 | 12.3.5 | 12.3.20 | within bank vegetation east highway has M. quinquenervia + Casuarina glauca and other salt tolerant species |
| 373 | -25.50064 | 152.69086 | 12.5.4 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 374 | -25.50599 | 152.68193 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 375 | -25.50621 | 152.67732 | 12.5.7/12.5.4 | 12.5.7/12.5.4 | 12.5.7 | no 12.5.7 observed, all 12.5.4 |
| 376 | -25.5019 | 152.66296 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.6 | dense M. quinquenervia layer has developed under Eucalypts |
| 377 | -25.49927 | 152.66229 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | whole polygon fits 12.3.11 |
| 378 | -25.50627 | 152.68129 | 12.3.11 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 379 | -25.49704 | 152.66343 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | changes drainage has resulted in dense pole M. quinquenervia, close to remnant status |
| 380 | -25.46538 | 152.64811 | 12.3.5 | 12.3.5 | 12.3.6 | within bank vegetation west highway has M. quinquenervia + scattered E. tereticornis. line ball whether 3.5/3.6 |
| 381 | -25.46224 | 152.63934 | 12.3.11/12.3.6 | 12.3.11/12.3.6 | Non-rem | cleared with house |
| 382 | -25.46854 | 152.66199 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | above bank vegetation 12.3.11 |
| 383 | -25.47495 | 152.65714 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | no mappable 12.3.5 noted |
| 384 | -25.48386 | 152.65751 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | within bank vegetation largely M. quinquenervia |
| 385 | -25.48386 | 152.65586 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | above bank vegetation 12.3.11 |
| 386 | -25.48577 | 152.65664 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | above bank vegetation 12.3.11 |
| 387 | -25.47971 | 152.64381 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | scattered M. quinquenervia low tree in places but OK for 12.3.11 |
| 388 | -25.48187 | 152.6497 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | scattered M. quinquenervia low tree in places but OK for 12.3.11 |
| 389 | -25.48184 | 152.65648 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | scattered M. quinquenervia low tree in places but OK for 12.3.11 |
| 390 | -25.48479 | 152.65321 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 391 | -25.54602 | 152.67339 | 12.3.11 | Non-rem | 12.3.11 | area can be mapped with the 12.3.11 as meets rem status |
| 392 | -25.54242 | 152.6662 | 12.3.11 | 12.5.4 | 12.3.11 | 12.3.11 revised as more extensive than mapped, remainder is all 12.5.4 |
| 393 | -25.54119 | 152.66369 | 12.3.11 | 12.3.11 | 12.3.11 | 12.3.11 polygon enlarged |
| 394 | -25.56002 | 152.68272 | 12.5.4/12.5.7 | 12.5.4 | 12.5.7 | whole area delineated is 12.5.7 |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 395 | -25.56406 | 152.68453 | 12.5.4/12.5.7 | 12.5.4 | 12.5.7 | southern edge of local extent of 12.5.7 centred on the larger remnant in conservation park |
| 396 | -25.56752 | 152.68693 | 12.5.4/12.5.7 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 397 | -25.51892 | 152.66181 | 12.3.7 | 12.3.7 | 12.3.7 | Matches herbarium mapping |
| 398 | -25.56794 | 152.65297 | 12.3.11 | 12.3.11 | 12.5.2 | lower hillside disturbed but appears to meet remnant |
| 399 | -25.57088 | 152.65116 | 12.5.4/12.5.7 | 12.5.4 | 12.5.2 | disturbed but appears to meet remnant |
| 400 | -25.57111 | 152.65375 | 12.3.11 | Non-rem | 12.3.11 | patches of regrowth + older trees on LZ 3, rem status? |
| 401 | -25.48277 | 152.66069 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | within bank vegetation 12.3.5, above banks is 12.3.11 |
| 402 | -25.48216 | 152.66544 | 12.3.11/12.3.5 | 12.3.11 | 12.3.5 | within banks is 12.3.5 |
| 403 | -25.48192 | 152.66602 | 12.3.11/12.3.5 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 404 | -25.36234 | 152.88097 | 12.5.4/12.5.2a | Non-rem | 12.5.4 | Non-rem |
| 405 | -25.37025 | 152.86638 | 12.3.11 | 12.3.11 | 12.3.5 | |
| 406 | -25.36936 | 152.87296 | 12.3.11 | 12.3.11 | 12.3.5 | |
| 407 | -25.36654 | 152.88095 | 12.3.11 | 12.3.11 | 12.3.11 | |
| 408 | -25.3713 | 152.88161 | 12.3.11 | 12.3.11 | 12.3.5 | |
| 409 | -25.36323 | 152.88276 | 12.5.4/12.5.2a | 12.5.4/12.5.2/12.3.11 | regrowth | Acacia disparrima some Rainforest trees, the gully in centre non-rem |
| 410 | -25.36737 | 152.88105 | 12.3.11 | 12.3.11 | 12.3.11 | part of area above house non rem, part of area near is pole regen of M. quinquenervia and E. tereticornis |
| 411 | -25.37174 | 152.89273 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 412 | -25.36669 | 152.90549 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 413 | -25.37738 | 152.88846 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.2 | |
| 414 | -25.37626 | 152.89199 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.2 | |
| 415 | -25.37486 | 152.88605 | 12.5.4/12.5.2a | 12.5.2 | Non-rem | thinned trees and pasture understorey rather than regrowth, close to non rem |
| 416 | -25.3757 | 152.89195 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2 | pasture understorey, some thinning but meets rem status |
| 417 | -25.37105 | 152.90552 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 418 | -25.37484 | 152.88835 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 419 | -25.36165 | 152.89444 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 420 | -25.35589 | 152.89223 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 421 | -25.3661 | 152.89545 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 422 | -25.36396 | 152.89632 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 423 | -25.35832 | 152.89049 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 424 | -25.35778 | 152.88954 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 425 | -25.3494 | 152.88706 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 426 | -25.35519 | 152.88936 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 427 | -25.35814 | 152.88722 | 12.5.13a | 12.5.13 | 12.5.13 | Matches herbarium mapping |
| 428 | -25.35987 | 152.88669 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | regrowth | regrowth containing rainforest trees |
| 429 | -25.35885 | 152.88693 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.13 | |
| 430 | -25.35373 | 152.90145 | 12.5.2a | 12.3.11 | 12.5.2* | part of fairly uniform level area with incipient drainage lines -very small gullies. Rainforest species in understorey and forming small patches in places |
| 431 | -25.35564 | 152.89903 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | | |
| 432 | -25.33644 | 152.89399 | 12.5.4 | 12.5.4 | 12.5.4a | mid dense M. quinquenervia low tree layer |
| 433 | -25.35375 | 152.90625 | 12.5.2a | 12.5.2 | (12.3.11) | gently undulating, E. tereticornis evident |
| 434 | -25.35414 | 152.87582 | 12.3.11 | Non-rem | 12.3.5 | pole M. quinquenervia |
| 435 | -25.35138 | 152.87442 | 12.5.4/12.5.2a | Non-rem | 12.5.2 | hillside above appears to have been 12.5.2 and some rainforest |
| 436 | -25.34987 | 152.87327 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.5.4 | small patch 12.5.4 on low rise |
| 437 | -25.36929 | 152.8654 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 438 | -25.36971 | 152.87551 | 12.5.4 | 12.3.11 | 12.3.11 | Matches herbarium mapping |
| 439 | -25.3699 | 152.8768 | 12.5.4 | 12.5.4 | 12.5.2 | |
| 440 | -25.37532 | 152.88997 | 12.3.5 | 12.3.5 | 12.3.5 | Matches herbarium mapping |
| 441 | -25.3696 | 152.87954 | 12.5.4 | 12.5.4 | 12.5.2 | intermediate between two 12.5.2 in adjacent areas |
| 442 | -25.34507 | 152.88864 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 443 | -25.37076 | 152.88791 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 444 | -25.37014 | 152.8848 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.3.5 | |
| 445 | -25.35339 | 152.85731 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 446 | -25.36942 | 152.88186 | 12.3.11 | 12.3.11 | 12.5.11 | |
| 447 | -25.37074 | 152.88156 | 12.5.4 | 12.5.4 | 12.3.5 | |
| 448 | -25.34872 | 152.8423 | 12.3.5/12.3.6 | 12.3.5/12.3.6 | Non-rem | |
| 449 | -25.34892 | 152.87162 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | |
| 450 | -25.35389 | 152.86128 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 451 | -25.35355 | 152.84652 | 12.3.5/12.3.6 | 12.3.5/12.3.6 | 12.3.5 | |
| 452 | -25.33654 | 152.88981 | 12.5.4 | 12.5.4 | 12.5.2 | flat terrain, no obvious drainage line |
| 453 | -25.33481 | 152.89015 | 12.3.6 | 12.3.6 | 12.5.4a | |
| 454 | -25.34636 | 152.86421 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | |
| 455 | -25.34706 | 152.86773 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | |
| 456 | -25.34299 | 152.87986 | 12.5.4 | 12.5.4 | 12.5.4 | has had soil extracted loss of ecological function. Heavily disturbed, topsoil removed |
| 457 | -25.34365 | 152.87545 | 12.3.11/12.3.5 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 458 | -25.35059 | 152.90112 | 12.5.2a | 12.5.2 | 12.5.2a | heavy Lophostemon confertus T2 |
| 459 | -25.34991 | 152.90387 | 12.5.2a | 12.3.11 | (12.3.11) | lower colluvial slope?, very small gully nearby, not LZ 3 |
| 460 | -25.35071 | 152.83997 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | |
| 461 | -25.34621 | 152.84071 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | |
| 462 | -25.3545 | 152.84835 | 12.5.4 | 12.5.4 | 12.3.11 | |
| 463 | -25.356 | 152.84052 | 12.5.4 | 12.5.4 | 12.3.11 | |
| 464 | -25.35856 | 152.84194 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 465 | -25.34806 | 152.86984 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | |
| 466 | -25.34278 | 152.90208 | 12.3.11 | 12.3.11 | 12.5.2 | |
| 467 | -25.37343 | 152.90015 | 12.5.4/12.5.2a | Non-rem | 12.5.4 | |
| 468 | -25.34943 | 152.90368 | 12.3.11 | 12.3.11 | 12.5.2 | |
| 469 | -25.3475 | 152.8972 | 12.5.13a | 12.5.13 | 12.5.2* | very small patch within Eucalyptus and Rainforest understorey |
| 470 | -25.36021 | 152.89929 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 471 | -25.36557 | 152.90034 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 472 | -25.37376 | 152.89603 | 12.5.4/12.5.2a | Non-rem | 12.5.4 | |
| 473 | -25.36771 | 152.8946 | 12.5.4/12.5.2a | NU12.5.4/12.5.2aLL | 12.5.2 | |
| 474 | -25.36419 | 152.89091 | 12.3.5 | 12.3.5 | 12.5.4 | |
| 475 | -25.3651 | 152.89175 | 12.3.5 | 12.3.5 | 12.3.5 | Matches herbarium mapping |
| 476 | -25.36247 | 152.89897 | 12.5.4/12.5.2a | 12.5.2/12.5.4 | 12.5.2* | |
| 477 | -25.36218 | 152.89325 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.2 | |
| 478 | -25.36368 | 152.88425 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | regrowth | Acacia disparrima dominant |
| 479 | -25.36524 | 152.88298 | 12.3.11 | 12.3.11 | 12.3.11 | |
| 480 | -25.35661 | 152.89445 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 481 | -25.36392 | 152.88328 | 12.3.11 | 12.3.11 | Non-rem | cleared |
| 482 | -25.36691 | 152.88192 | 12.3.11 | 12.3.11 | 12.3.5 | |
| 483 | -25.36673 | 152.88745 | 12.3.11 | 12.3.11 | 12.3.11 | |
| 484 | -25.36435 | 152.89009 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 485 | -25.36919 | 152.89202 | 12.5.4/12.5.2a | 12.3.5/12.5.4/12.5.2 | 12.3.5 | all polygon is 12.3.5, fairly young pole type M. quinquenervia |
| 486 | -25.36646 | 152.88291 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 487 | -25.3622 | 152.87785 | 12.3.11 | 12.3.11 | 12.3.11 | includes small area mapped as 12.5.4 |
| 488 | -25.36585 | 152.89224 | 12.3.5 | 12.3.5 | 12.3.5 | Matches herbarium mapping |
| 489 | -25.36678 | 152.89095 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 490 | -25.37026 | 152.86689 | 12.3.11 | 12.3.11 | 12.3.5 | M. quinquenervia dominant |
| 491 | -25.36665 | 152.87334 | 12.5.4 | 12.5.4 | 12.3.11 | 12.3.11 based on geology - Qc |
| 492 | -25.36494 | 152.87412 | 12.3.11 | 12.3.11/12.5.4 | 12.3.11 | 12.3.11 based on geology - Qc |
| 493 | -25.36468 | 152.87209 | 12.3.11 | 12.3.11 | 12.3.11 | matches herbarium mapping, good reference site |
| 494 | -25.37764 | 152.87309 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 495 | -25.37915 | 152.87544 | 12.3.5 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 496 | -25.36921 | 152.87422 | 12.3.11 | 12.3.11 | 12.3.5 | M. quinquenervia dominant |
| 497 | -25.37448 | 152.87343 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 498 | -25.3519 | 152.90095 | 12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 499 | -25.34552 | 152.89482 | 12.5.4 | 12.5.4/12.5.2a | 12.5.4 | |
| 500 | -25.3502 | 152.90061 | 12.5.2a | 12.5.2a | 12.5.4 | |
| 501 | -25.35424 | 152.90121 | 12.5.2a | 12.5.2a | 12.5.4 | |
| 502 | -25.3423 | 152.89371 | 12.5.4 | 12.5.4 | 12.5.2a | |
| 503 | -25.3406 | 152.89113 | 12.5.4 | 12.5.4 | 12.5.2a | |
| 504 | -25.33936 | 152.87829 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | LZ 5 | point of reference for area south of airport with extensive M. quinquenervia on considered to be on LZ 5 not 3 |
| 505 | -25.33978 | 152.89831 | 12.5.4 | 12.5.4 | 12.5.2 | |
| 506 | -25.33613 | 152.89579 | 12.5.4 | 12.5.4 | 12.5.4 | Matches herbarium mapping |
| 507 | -25.33438 | 152.89455 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 508 | -25.34023 | 152.88982 | 12.3.6 | 12.3.6 | 12.5.2a | |
| 509 | -25.33662 | 152.88896 | 12.5.4 | 12.5.4 | 12.5.2 | |
| 510 | -25.35277 | 152.9096 | 12.3.11 | 12.3.11 | (12.3.11) | |
| 511 | -25.35254 | 152.90603 | 12.5.2a | 12.3.11 | 12.5.2* | small gully with little to no change in vegetation in surrounds |
| 512 | -25.34668 | 152.89171 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 513 | -25.35133 | 152.89561 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 514 | -25.36358 | 152.89806 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 515 | -25.34956 | 152.90568 | 12.3.11 | 12.3.11 | 12.5.2 | |
| 516 | -25.3525 | 152.90591 | 12.5.2a | 12.5.2a | 12.5.2a | E. tereticornis in cleared paddock to east |
| 517 | -25.34481 | 152.89962 | 12.5.4 | 12.5.4 | (12.3.11) | |
| 518 | -25.36821 | 152.90015 | 12.5.4/12.5.2a | Non-rem | 12.5.4 | |
| 519 | -25.36941 | 152.90066 | 12.5.4/12.5.2a | 12.5.2a | 12.5.4 | |
| 520 | -25.33956 | 152.90036 | 12.5.4 | 12.5.4 | (12.3.11) | |
| 521 | -25.37079 | 152.9013 | 12.5.4/12.5.2a | 12.5.4 | 12.5.4 | |
| 522 | -25.36371 | 152.89886 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2* | Has Lophostemon confertus and Rainforest trees and vines in understorey |
| 523 | -25.36676 | 152.90468 | 12.5.4/12.5.2a | 12.5.13 | 12.5.13 | surrounded by 12.5.2* with rainforest understorey |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 524 | -25.36741 | 152.89902 | 12.5.4/12.5.2a | 12.5.2a | 12.5.4 | |
| 525 | -25.36505 | 152.90045 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.2a | dense Lophostemon confertus T2 |
| 526 | -25.3269 | 152.89553 | 12.5.4 | 12.5.4 | 12.5.4a | pole M. quinquenervia and heathy/sedge ground layer |
| 527 | -25.35344 | 152.90679 | 12.5.2a | 12.5.2 | (12.3.11) | |
| 528 | -25.35651 | 152.91184 | 12.3.11 | 12.3.11 | (12.3.11) | |
| 529 | -25.33551 | 152.88849 | 12.5.4 | 12.5.4 | 12.5.4a | edge of 12.5.4a |
| 530 | -25.35505 | 152.8996 | 12.5.2a | 12.5.2 | 12.5.2* | rainforest understorey |
| 531 | -25.35476 | 152.90135 | 12.3.11 | 12.3.11 | 12.5.2* | |
| 532 | -25.37324 | 152.90323 | 12.5.4/12.5.2a | 12.5.4/12.5.2a | 12.5.4 | |
| 533 | -25.35569 | 152.89071 | 12.5.4 | Non-rem | Non-rem | heavily disturbed by extraction |
| 534 | -25.35294 | 152.90816 | 12.3.11 | 12.5.2 | (12.3.11) | |
| 535 | -25.34765 | 152.88838 | 12.5.4 | Non-rem | Non-rem | heavily disturbed by extraction |
| 536 | -25.34383 | 152.88042 | 12.5.4 | 12.5.4 | 12.5.4 | heavily disturbed by extraction |
| 537 | -25.35798 | 152.91267 | 12.3.11 | Non-rem | Non-rem | remnant E. tereticornis typical of (12.3.11) |
| 538 | -25.34986 | 152.87311 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.5.4 | |
| 539 | -25.34446 | 152.87898 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 540 | -25.34631 | 152.87743 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 541 | -25.34437 | 152.88115 | 12.5.4 | 12.5.4 | 12.5.4 | |
| 542 | -25.34411 | 152.87853 | 12.5.4 | 12.5.4 | Non-rem | |
| 543 | -25.34492 | 152.8775 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | |
| 544 | -25.34472 | 152.87673 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | |
| 545 | -25.34172 | 152.86972 | 12.5.4 | 12.5.4 | 12.9-10.21 | |
| 546 | -25.34297 | 152.88293 | 12.5.4 | Non-rem | 12.5.4 | |
| 547 | -25.34737 | 152.87117 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | 12.3.5 polygons delineated as well |
| 548 | -25.34529 | 152.87168 | 12.5.2a | 12.5.2 | 12.9-10.21 | has quaternary sites as well |
| 549 | -25.34141 | 152.87018 | 12.5.4 | 12.5.2 | 12.9-10.21 | has quaternary sites as well |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 550 | -25.34544 | 152.87071 | 12.5.2a | 12.5.2 | 12.9-10.21 | has quaternary sites as well |
| 551 | -25.36789 | 152.90517 | 12.5.4/12.5.2a | 12.5.2a | 12.5.2* | edge of 12.5.2* Rainforest species in understorey |
| 552 | -25.35128 | 152.90392 | 12.3.11 | 12.3.11 | (12.3.11) | incipient drainage, no pronounced alluvial features, no change in vegetation |
| 553 | -25.37251 | 152.89285 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2 | |
| 554 | -25.3716 | 152.90275 | 12.3.11 | 12.3.11 | 12.5.13 | |
| 555 | -25.35762 | 152.9057 | 12.5.2a | 12.5.2a | 12.5.4 | |
| 556 | -25.35622 | 152.91122 | 12.3.11 | 12.3.11 | 12.5.2 | |
| 557 | -25.34997 | 152.89623 | 12.5.4 | 12.5.4 | Non-rem | has been heavily thinned and all understorey removed |
| 558 | -25.35293 | 152.9094 | 12.3.11 | 12.3.11 | 12.5.2 | |
| 559 | -25.36211 | 152.88774 | 12.5.4/12.5.2a | Non-rem | regrowth | Acacia disparrima + Eucalypts |
| 560 | -25.26423 | 152.69714 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 561 | -25.2663 | 152.70586 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 562 | -25.26206 | 152.67905 | 12.2.7 | 12.2.7 | Non-rem | non rem, drain |
| 563 | -25.26693 | 152.69787 | 12.2.9 | 12.2.9 | 12.2.11 | |
| 564 | -25.26768 | 152.70157 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 565 | -25.2655 | 152.70205 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 566 | -25.26559 | 152.70609 | 12.2.11 | Non-rem | 12.2.11 | tall regrowth would meet remnant status |
| 567 | -25.2648 | 152.7061 | 12.2.11 | 12.2.11 | 12.2.2 | 12.2.2 with emergent Eucalypts and Agathis, not regrowth large rainforest trees could be seen |
| 568 | -25.26515 | 152.68634 | 12.2.7 | 12.2.7 | 12.2.9 | mapped as 12.2.7, confirmed as 12.2.9 |
| 569 | -25.26271 | 152.68587 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 570 | -25.26472 | 152.69844 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 571 | -25.26732 | 152.69088 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 572 | -25.25773 | 152.67423 | 12.5.4 | 12.5.4 | 12.2.11 | |
| 573 | -25.25556 | 152.67207 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 574 | -25.26139 | 152.68426 | 12.2.7 | 12.2.7 | 12.2.7 | |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 575 | -25.26131 | 152.68605 | 12.2.7 | Non-rem | no match | localised occurrence of E. moluccana around 80m x 40m on Qcw, several trees across road |
| 576 | -25.25459 | 152.66685 | 12.1.2 | 12.1.2 | 12.1.2 | |
| 577 | -25.25317 | 152.66652 | 12.2.11 | 12.2.11 | 12.2.11 | dense Mel nodosa around edge of patch in ecotone with brackish zone |
| 578 | -25.25551 | 152.6724 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 579 | -25.25723 | 152.66708 | 12.5.4 | 12.5.4 | 12.2.7 | siliceous sand substrate |
| 580 | -25.24909 | 152.66869 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 581 | -25.24882 | 152.66633 | 12.1.2 | 12.2.11 | Non-rem | cleared |
| 582 | -25.25276 | 152.66741 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 583 | -25.25685 | 152.66749 | 12.5.4 | 12.5.4 | 12.2.7 | |
| 584 | -25.26629 | 152.69759 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 585 | -25.26536 | 152.68937 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 586 | -25.26306 | 152.68507 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 587 | -25.26723 | 152.70605 | 12.2.7 | Non-rem | 12.2.11 | was 12.2.11 with tall E. tereticornis |
| 588 | -25.26489 | 152.6869 | 12.2.7 | 12.2.7 | 12.2.9 | |
| 589 | -25.25872 | 152.67654 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 590 | -25.26756 | 152.6873 | 12.2.9 | 12.2.9 | 12.2.9 | |
| 591 | -25.26644 | 152.68315 | 12.2.12 | 12.2.12 | 12.2.12 | mapped 12.2.12 OK |
| 592 | -25.19029 | 152.61331 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 593 | -25.19539 | 152.61173 | 12.2.11 | Non-rem | 12.2.11 | |
| 594 | -25.1886 | 152.61755 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 595 | -25.18967 | 152.61733 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 596 | -25.19335 | 152.60434 | 12.2.9 | 12.2.9 | 12.2.9 | |
| 597 | -25.19233 | 152.60544 | 12.2.9 | 12.2.9 | 12.2.11 | |
| 598 | -25.19717 | 152.59907 | 12.2.12 | 12.2.12 | 12.2.15 | |
| 599 | -25.1956 | 152.60763 | 12.2.12 | 12.2.12 | 12.2.13 | dry heath |
| 600 | -25.19405 | 152.60707 | 12.2.12 | 12.2.12 | 12.2.12 | |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 601 | -25.19692 | 152.6039 | 12.2.15 | 12.2.15 | 12.2.15 | badly drought affected |
| 602 | -25.19632 | 152.60194 | 12.2.9 | 12.2.9 | 12.2.9 | matches herbarium mapping |
| 603 | -25.19627 | 152.61019 | 12.2.12 | 12.2.12 | 12.2.13 | dry heath |
| 604 | -25.26558 | 152.68995 | 12.2.7 | 12.2.7 | 12.2.11 | beach ridge remnant |
| 605 | -25.26555 | 152.69214 | 12.2.7 | 12.2.7 | 12.2.7 | matches herbarium mapping |
| 606 | -25.19278 | 152.60875 | 12.2.9 | Non-rem | 12.2.11 | |
| 607 | -25.19091 | 152.61305 | 12.2.7 | 12.2.7 | 12.2.7 | matches herbarium mapping |
| 608 | -25.26965 | 152.70684 | 12.2.9 | Non-rem | 12.2.9 | |
| 609 | -25.26786 | 152.70158 | 12.2.9 | 12.2.9 | 12.2.11 | |
| 610 | -25.26769 | 152.6977 | 12.2.9 | 12.2.9 | 12.2.9 | matches herbarium mapping |
| 611 | -25.26565 | 152.7093 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 612 | -25.25689 | 152.67993 | 12.2.11 | 12.2.11 | 12.2.7 | |
| 613 | -25.26779 | 152.70962 | 12.2.11 | Non-rem | 12.2.11 | |
| 614 | -25.26669 | 152.70527 | 12.2.7 | 12.2.11 | 12.2.11 | |
| 615 | -25.2506 | 152.66604 | 12.2.11 | 12.2.11 | 12.2.11 | confirmed |
| 616 | -25.25315 | 152.66963 | 12.2.11 | 12.2.11 | 12.2.11 | confirmed |
| 617 | -25.25781 | 152.67866 | 12.2.7 | 12.2.11 | 12.2.11 | matches herbarium mapping; has been disturbed but still remnant large Angophora leiocarpa |
| 618 | -25.25616 | 152.67563 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 619 | -25.25879 | 152.68582 | 12.2.11 | 12.2.11 | 12.2.11 | remnant |
| 620 | -25.25771 | 152.67671 | 12.2.7 | 12.2.11 | Non-rem | abandoned cane field |
| 621 | -25.25757 | 152.67137 | 12.5.4 | 12.5.4 | 12.2.11 | |
| 622 | -25.26858 | 152.69966 | 12.2.9 | 12.2.9 | 12.2.9 | matches herbarium mapping |
| 623 | -25.25758 | 152.68228 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 624 | -25.25865 | 152.68173 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 625 | -25.25875 | 152.68362 | 12.2.7 | Non-rem | Non-rem | regrowth polygon too large |
| 626 | -25.25629 | 152.68062 | 12.2.7 | 12.2.7 | 12.2.7 | semi-rem 12.2.7 |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 627 | -25.2567 | 152.68087 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 628 | -25.25751 | 152.68146 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 629 | -25.25733 | 152.67953 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 630 | -25.25354 | 152.6801 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 631 | -25.26415 | 152.70882 | 12.2.11 | Non-rem | 12.2.11 | |
| 632 | -25.25635 | 152.67972 | 12.2.11 | 12.2.11 | 12.2.11 | |
| 633 | -25.25298 | 152.67649 | 12.2.11 | 12.2.11 | 12.2.7 | |
| 634 | -25.25861 | 152.67963 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 635 | -25.26102 | 152.68521 | 12.2.7 | Non-rem | 12.2.7 | regrowth 12.2.7 adjacent to E. moluccana patch |
| 636 | -25.26125 | 152.68267 | 12.2.7 | Non-rem | 12.2.11 | |
| 637 | -25.26043 | 152.6828 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 638 | -25.18744 | 152.61386 | 12.2.11 | 12.2.11 | 12.3.20? | E. moluccana, Casuarina glauca + patches of M. styphelioides; no neat RE fit |
| 639 | -25.19317 | 152.6191 | 12.2.11 | 12.2.11 | | E. moluccana, Melaleuca spp. |
| 640 | -25.26068 | 152.68421 | 12.2.7 | 12.2.7 | 12.2.7 | |
| 641 | -25.18905 | 152.61427 | 12.2.11 | 12.2.11 | 12.3.20? | thickets of M. styphelioides associated with the E. moluccana, Casuarina glauca |
| 642 | -25.20848 | 152.62271 | 12.3.3d/12.3.20 | Non-rem | 12.3.20 | |
| 643 | -25.25524 | 152.67868 | 12.2.11 | 12.2.7 | 12.2.7 | pole M. quinquenervia associated with bunding, has reached rem status |
| 644 | -25.20477 | 152.62119 | 12.3.3d/12.3.20 | Non-rem | 12.3.20 | |
| 645 | -25.215 | 152.63243 | 12.2.11 | Non-rem | 12.1.1 | regrowth 12.1.1 |
| 646 | -25.21212 | 152.63037 | 12.2.11 | Non-rem | Non-rem | regrowth. Casuarina glauca, M. quinquenervia has been cleared for development |
| 647 | -25.19129 | 152.61796 | 12.2.11 | 12.2.11 | 12.2.7 | |
| 648 | -25.26271 | 152.6796 | 12.2.7 | 12.2.7 | 12.2.11 | |
| 649 | -25.19031 | 152.61808 | 12.2.7 | 12.2.11 | 12.2.11 | adjacent to drought stressed 12.2.7 |
| 650 | -25.26257 | 152.67821 | 12.2.7 | 12.2.7 | 12.2.9 | 12.2.9 |
| 651 | -25.20106 | 152.6203 | 12.3.3d/12.3.20 | Non-rem | 12.3.20 | 12..3.20 |
| 652 | -25.26193 | 152.67889 | 12.2.7 | 12.2.7 in part | Non-rem | large drain colonised by M. quinquenervia |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 653 | -25.19217 | 152.6192 | 12.2.11 | 12.2.11 | 12.2.11 | 12.2.11 |
| 654 | -25.26158 | 152.67917 | 12.2.7 | 12.2.7 | 12.2.11 | 12.2.11 with large Callitris |
| 655 | -25.27448 | 152.68723 | 12.2.11 | 12.2.11 | 12.2.2 | 12.2.2 with Agathis |
| 656 | -25.25605 | 152.67331 | 12.2.7 | 12.2.7 | 12.2.7 | matches herbarium mapping |
| 657 | -25.25597 | 152.67977 | 12.2.7 | 12.2.7 | 12.2.11 | 12.2.11 |
| 658 | -25.25259 | 152.68021 | 12.2.11 | 12.2.11 | 12.2.11 | matches herbarium mapping. some older canopy species remain |
| 659 | -25.2649 | 152.70644 | 12.2.11 | 12.2.11 | 12.2.2 | 12.2.2 + Eucalypt emergents |
| 660 | -25.2726 | 152.6998 | 12.2.9 | 12.2.9 | 12.2.9 | recently burnt |
| 661 | -25.26947 | 152.7018 | 12.2.9 | 12.2.9 | 12.2.9 | matches herbarium mapping |
| 662 | -25.341711 | 152.870051 | 12.5.4 | 12.5.2 | 12.5.2 | E. tereticornis, C. intermedia |
| 663 | -25.3427 | 152.8695 | 12.5.2a | 12.5.2/12.5.4 | 12.9-10.21 | E. acmenoides |
| 664 | -25.3434 | 152.8709 | 12.5.2a | 12.5.2/12.5.4 | 12.9-10.21 | E. acmenoides |
| 665 | -25.3449 | 152.8688 | 12.5.2a | 12.5.2 | 12.5.2 | E. tereticornis - C. intermedia |
| 666 | -25.3697 | 152.8841 | 12.5.4/12.5.2a | 12.3.5 | 12.3.5 | M. quinquenervia, E. tereticornis |
| 667 | -25.3701 | 152.8801 | 12.5.4 | 12.5.4 | 12.5.2 | similar to BO17 |
| 668 | -25.3428 | 152.8806 | 12.5.4 | 12.5.4 | 12.5.4 | heavily disturbed/regrowth with C. intermedia, E. exserta, E. latisinensis |
| 669 | -25.3516 | 152.9011 | 12.5.2a | 12.5.2 | 12.5.2a | C. intermedia, E exserta with closed L. confertus T2 layer on low hillslope on Km |
| 670 | -25.3513 | 152.904 | 12.3.11 | 12.3.11 | 12.5.2 | C. intermedia, E siderophloia, E. tereticornis, E. latisinensis, M. quinquenervia Open Forest on lower slope on Km |
| 671 | -25.3663 | 152.8956 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.13 | Closed forest on crest/upper slope on Kb (sighted from road) |
| 672 | -25.3745 | 152.8954 | 12.5.4/12.5.2a | Non-rem | 12.5.4a | regrowth E. exserta, C. intermedia, L. confertus |
| 673 | -25.3497 | 152.8409 | 12.3.5/12.3.6 | 12.3.5/12.3.6 | Non-rem | mapped as 12.3.5/12.3.6 but non-rem with small clumps regrowth |
| 674 | -25.3515 | 152.8403 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | E. siderophloia, E. tereticornis, E. exserta, M. quinquenervia Open Forest on alluvium |
| 675 | -25.3517 | 152.8401 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.5 | dense M. quinquenervia open forest + E. tereticornis emergents on alluvium |
| 676 | -25.353547 | 152.839652 | 12.3.5/12.3.6 | 12.3.5/12.3.6 | 12.3.5 | dense M. quinquenervia open forest + E. tereticornis emergents on alluvium |
| 677 | -25.345543 | 152.840835 | 12.3.11/12.3.5 | 12.3.11/12.3.5 | 12.3.11 | linear remnant along road with E. tereticornis, C. intermedia, E. siderophloia, M. quinquenervia |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 678 | -25.342979 | 152.878649 | 12.5.4 | 12.5.4 | 12.5.4 | heavily disturbed/regrowth with C. intermedia, E. exserta, E. latisinensis |
| 679 | -25.326584 | 152.88937 | 12.5.4 | 12.5.4 | 12.5.4.a | Urban area near airport, RE 12.5.4a confirmed, M. quinquenervia present |
| 680 | -25.357896 | 152.90628 | 12.5.2a | 12.5.2 | 12.5.2a | C intermedia, E exserta, L. confertus shrubby type, E. tereticornis starts below at break of slope |
| 681 | -25.357094 | 152.911456 | 12.3.11 | 12.3.11 | (12.3.11) | E. tereticornis, E. siderophloia, C. intermedia, Melaleuca, Acacia understorey, not considered alluvial |
| 682 | -25.359311 | 152.899762 | 12.5.2a | 12.5.4/12.5.2 | 12.5.2a | C intermedia, E exserta, L. confertus shrubby |
| 683 | -25.355003 | 152.899593 | 12.5.2a | 12.5.2 | 12.5.2* | C intermedia, L. confertus, Rainforest understorey |
| 684 | -25.354566 | 152.903279 | 12.5.2a | 12.5.2 | 12.5.2* | L. confertus, C. intermedia, Rainforest species can see heads of Agathis robusta |
| 685 | -25.354811 | 152.901488 | 12.3.11 | 12.3.11 | 12.5.2* | L. confertus, C. intermedia, Rainforest species can see heads of Agathis robusta, incipient gully nearby |
| 686 | -25.3739 | 152.9012 | 12.5.4/12.5.2a | Non-rem | 12.5.2a | slight rise with dense regen L. confertus, some C intermedia |
| 687 | -25.3718 | 152.8939 | 12.5.4/12.5.2a | 12.5.4/12.5.2 | 12.5.2 | E. tereticornis, C intermedia, E siderophloia, reddish soil prob LZ 5 lateritised profile cutting up road |
| 688 | -25.357 | 152.9097 | 12.5.2a | Non-rem | Non-rem | roadside trees E. tereticornis, flat but not alluvial would have been (12.3.11) |
| 689 | -25.3524 | 152.8932 | 12.5.4 | 12.5.4 | 12.5.4a | C intermedia, dense L. confertus, Melaleuca salicina low rise |
| 690 | -25.3522 | 152.8941 | 12.5.4 | 12.5.4 | 12.5.4 | little bit of L. confertus, but dense L. confertus nearby |
| 691 | -25.3507 | 152.9042 | 12.3.11 | Non-rem | Non-rem | Confirmed E. tereticornis paddock trees to SE from point. |
| 692 | -25.3418 | 152.9002 | 12.5.4 | 12.3.11 nearby | (12.3.11) | semi rem patch with E. tereticornis, C intermedia, south side road. Not alluvial |
| 693 | -25.3378 | 152.9007 | 12.5.4 | Non-rem | ex (12.3.11) | parkland E. tereticornis trees retained, not alluvial |
| 694 | -25.334 | 152.899 | 12.3.11 | 12.5.4 | 12.5.4 | semi remnant E exserta, E latisinensis, C intermedia etc |
| 695 | -25.3338 | 152.9012 | 12.3.11 | Non-rem | ex (12.3.11) | further east than BO139, past boundary with (12.3.11), E. tereticornis parkland trees |
| 696 | -25.3624 | 152.9103 | 12.5.4/12.5.2a | Non-rem | ex (12.3.11) | parkland E. tereticornis trees retained, not alluvial |
| 697 | -25.3608 | 152.9095 | 12.5.2a | Non-rem | ex (12.3.11) | parkland E. tereticornis trees retained, not alluvial |
| 698 | -25.3629 | 152.8808 | 12.5.4/12.5.2a | Non-rem | 12.5.13 | relatively poor regrowth Acacia disparrima, scattered Rainforest trees |
| 699 | -25.3702 | 152.8919 | 12.3.5 | 12.3.5/12.5.4/12.5.2 | 12.3.5 | pole M. quinquenervia + E. tereticornis emergents |
| 700 | -25.3694 | 152.8863 | 12.3.11 | 12.5.4/12.5.2 | 12.3.5 | pole M. quinquenervia + E. tereticornis emergents |

| No. | Latitude | Longitude | VMA Preclear RE | VMA RE | Ground-truthed RE | Notes |
|---|---|---|---|---|---|---|
| 701 | -25.36441 | 152.90823 | 12.5.4/12.5.2a | Non-rem | ex (12.3.11) | parkland E. tereticornis trees retained, small mapped watercourse, linear suggesting it was converted to a drain |
| 702 | -25.364738 | 152.906 | 12.3.11 | Non-rem | ex (12.3.11) | parkland E. tereticornis trees retained |
| 703 | -25.3687 | 152.8819 | 12.3.11 | 12.2.11 | 12.3.11 | north side rd. - old E. tereticornis, invasive M. quinquenervia |
| 704 | -25.3687 | 152.8819 | 12.3.11 | 12.3.11 | 12.3.11 | south side rd. - old E. tereticornis, invasive M. quinquenervia |
| 705 | -25.3684 | 152.8798 | 12.5.4 | 12.5.4 | 12.5.2 | intermediate between 12.5.4/5.2 |
| 706 | -25.347529 | 152.898066 | 12.5.4 | 12.5.4 | 12.5.2* | C intermedia, L. confertus, Rainforest understorey in places |
| 707 | -25.351206 | 152.899067 | 12.5.4 | 12.5.4 | 12.5.4 | 12.5.4 good example, confirmed herbarium mapping |
| 708 | -25.25828 | 152.676892 | 12.2.7 | Non-rem | Non-rem | abandoned cane field with cane which gives signature sim to Melaleuca quinquenervia regeneration non-rem but partly 12.2.7 in RE map |

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